

**WORK AUTHORIZATION # CM2286-WA05
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
RFQ/BID NO. NC14-026**

Consultant:	Civil Services, Inc.
Contract Number:	CM2286-WA05
Contact Name:	Ali A. Najafi
Contact Number:	904-309-8593
Email:	anajafi@civilservicesinc.com

CURRENT WORK AUTHORIZATION			
Project Short Title: Guardrail Design services for Amelia Road at Culvert 3401 in Fernandina Beach			
		CONTRACT OVERVIEW	
Date Submitted	4/9/20	Total of Previous Authorizations	\$225,716.74
Amount	\$28,673.09	This Work Authorization	\$28,673.09
Scheduled Completion	5 Weeks	Current Contract Total	\$254,389.83

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 May 9, 2016. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

The Consultant shall prepare and provide final construction documents for guardrail and roadway improvements for Amelia Road at Culvert 3401 in accordance with the proposal dated April 9, 2020, attached hereto as Exhibit "A".

ARTICLE 2. Time Schedule

The Consultant shall begin upon written notification to proceed by County with an estimated completion date of 5 weeks.

ARTICLE 3. Budget

The Consultant and its subconsultants will perform the scope of services outlined herein for the lump sum amount of \$28,673.09. Prime Consultant and Subconsultant fee amounts are detailed further in Exhibit "A". The Consultant will be using billing rates established under Continuing Contract CM2286.

Article 4. Other Provisions

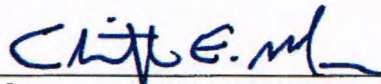
The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments or schedules. Additional terms or contract provisions whether submitted purposely or

inadvertently, shall have no force or effect. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

In presenting this Work Authorization, the Consultant agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by the 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 are attached.

AGREED TO BY:

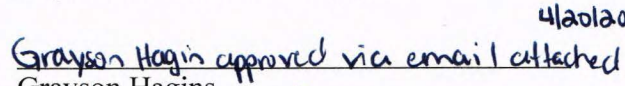
BY: 
Print Name: Christopher Morse
Title: President
Date: 4/20/2020

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

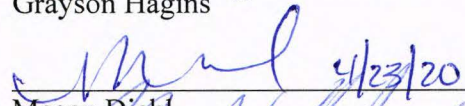
County Engineer:


Department Head or Designee


Contract Management:

 4/20/20
Grayson Hagins approved via email attached
Grayson Hagins

Office of Management & Budget:

 4/23/20
Megan Diehl

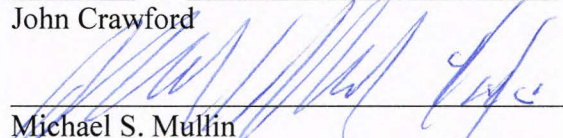
County Manager:


Michael S. Mullin

Ex-Officio Clerk:

N/A
John Crawford

County Attorney:


Michael S. Mullin

APPROVED by the BOARD OF COUNTY COMMISSIONERS or their Designee, this
24 day of April, 2020.

BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA

N/A
Daniel B. Leeper
Chairman

ACCOUNT NO.:03405541-546000 BRDGR

EXHIBIT "A"



BRIDGE • ROADWAY • CIVIL • WATER RESOURCES

Jacksonville • Atlanta • Riviera Beach • Augusta

April 9, 2020

Mr. Caleb Hurst, P.E.
Nassau County Public Works Department
96161 Nassau Place
Yulee, FL 32097

Re: Amelia Road Guardrail Design at Culvert 3401

Dear Mr. Hurst:

Civil Services, Inc. (CSI) is pleased to submit the following proposal for providing professional engineering services for the Amelia Road Guardrail Design at Culvert 3401. This Exhibit forms an integral part of the agreement between the Nassau County Public Works Department (hereinafter referred to as the "COUNTY") and Civil Services, Inc. (CSI) (hereinafter referred to as the "CONSULTANT") relative to the transportation facility described as follows:

Description: The purpose of this project is to provide Guardrail Design services for Amelia Road at Culvert 3401 in Fernandina Beach

I. PURPOSE

The purpose of this Exhibit is to describe the scope of work and the responsibilities of the CONSULTANT and the COUNTY in connection with design services for the above project. It shall be the CONSULTANT'S responsibility to utilize the very best engineering judgment, practices and principles possible during the prosecution of the work commissioned under this contract.

The CONSULTANT shall demonstrate good project management practices while working on this project. These include communication with the COUNTY and Utility Companies and others as necessary, management of time and resources and documentation.

II. PROJECT OBJECTIVE

The project objective is that CONSULTANT will design and prepare a set of construction plans suitable for bidding purposes.

All of the design is to be conducted in accordance with the latest standard specifications adopted by AASHTO, FDOT Standard Specifications, FDOT Design Standards and directions provided by the COUNTY.

CSI shall design and prepare a complete set of construction plans suitable for bidding purposes.

A. Design Approach

CSI will thoroughly review the project. The key personnel involved in designing the project will participate in field reviews. Data collection will be done at the very beginning of the project. A thorough field review by members of the design team will be accomplished to become familiar with the project details. The plan sheets anticipated include Key Sheet, Summary of Pay Items, General Notes, Roadway Plans, Cross Sections, Traffic Control Plans and Summary of Quantities Sheets.

Please refer to the attached scope of work for the survey from T2 Utility Engineers (formally Cardno, Inc.)

B. Roadway Design

CSI will develop roadway plans, cost estimates, bid package and post design services during construction. recommendations for review and approval by the COUNTY. CSI will perform any necessary field reviews to obtain dimensions not shown on existing plans. The roadway design shall include but not be limited to the following:

1. General Project Information which includes general plan and details and other miscellaneous details
2. Provide cost estimates.
3. Utilities: Address the impact of existing utilities (above ground) during the construction phase. Identify all impacted utilities including type, location and contact information for utility coordination.

Phase III: 90% Plans Submittal:

After the approval of the 30% Plans Submittal including recommended preliminary design plans, preliminary Engineer's Cost Estimate, and after resolving all the plans review comments, CSI will submit 90% Plans for review by COUNTY.

Phase IV: 100% Plans Submittal:

The 100% Plans will incorporate all 90% review comments along with responses to review comments.

C. Utility Coordination:

The CSI team will provide all utility coordination for the project. The CSI will identify which utilities exist within the corridor by calling Sunshine 811 "design" ticket listing all utility owners within the project limit. CSI will prepare a Utility Conflict Matrix for all

utilities which may be impacted by construction activities. CSI will prepare the minutes of the utility meetings. CSI will review the Utility Work Schedules (if project requires it) to make sure that they are compatible with the construction plans.

The following phase submittals shall adhere to the requirements of the FDOT Roadway Plans Preparation Manual for the project:

1. Phase I (30%): A preliminary estimated construction cost will be prepared.
2. Phase III (90%)
3. Phase IV (100%)

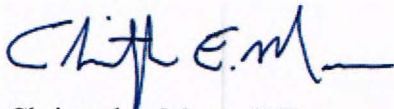
Our total engineering fee for the above referenced tasks is \$28,673.09. A breakdown of fees is shown below.

BREAKDOWN OF PROPOSED FEES

<u>TASK</u>	<u>FEE</u>
I. Roadway Design (Civil Services, Inc.)	\$ 22,591.17
II. Survey Services (T2 Utility Engineers)	\$ 6,081.92
TOTAL FEE	\$ 28,673.09

Upon your review and concurrence, please sign and return one copy of this proposal for our record.

Sincerely,
CIVIL SERVICES, INC.



Christopher Morse, P.E.
President

Approved:
NASSAU COUNTY PUBLIC WORKS DEPARTMENT

Name of Consultant

Project Information Sheet

Financial Project Identification Number: _____		Federal Aid Project Identification Number: <u>NA</u>		
Name of Prime / Subconsultant: <u>Civil Services</u>		County: <u>Nassau</u>		
Project Description: <u>Amelia Road Guardrail Design at Culvert 3401</u>				
Begin Milepost: _____	End Milepost: _____	Project Length: _____ Miles		
Number of Lanes: <u>2</u>	Typical Section: <u>Rural</u> (Urban / Rural / Int.)	Lane Configuration: <u>Undivided</u> (Divided / Undivided)		
Project Type: _____ (Minor / Major)	Access Management Classification: _____	Roadway Classification: _____ (NHS/FHSDOF Sys.)		
CAP Level: _____	TCP Level: _____	Survey Level: _____		
Design Variations: 1. _____		Design Exceptions: 1. _____		
2. _____		2. _____		
3. _____		3. _____		
4. _____		4. _____		
5. _____		5. _____		
Proposed Design Contract Time: _____ months/days		Date of Negotiation: _____		
Project Activity:	Estimated By:		Negotiated By: (name - firm)	
	Consultant	FDOT	Consultant	FDOT
3. Project Common & Project General Tasks	A. Najafi / Civil Services	Enter name & office	Enter name & firm	Enter name & office
4. Roadway Analysis	A. Najafi / Civil Services	Enter name & office	Enter name & firm	Enter name & office
5. Roadway Plans	A. Najafi / Civil Services	Enter name & office	Enter name & firm	Enter name & office
6a. Drainage Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
6b. Drainage Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
7. Utilities	A. Najafi / Civil Services	Enter name & office	Enter name & firm	Enter name & office
8. Environmental Permits	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
9. Structures Summary	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
10. Structures - Bridge Development Report	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
11. Structures - Temporary Bridge	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
12. Structures - Bridge Repair Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
13. Structures - Medium Span Concrete	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
14. Structures - Structural Steel	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
15. Structures - Segmental Concrete	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
16. Structures - Movable Span	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
17. Structures - Retaining Walls	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
18. Structures - Miscellaneous	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
19. Signing and Pavement Marking Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
20. Signing and Pavement Marking Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
21. Signalization Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
22. Signalization Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
23. Lighting Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
24. Lighting Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
25. Landscape Architecture Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
26. Landscape Architecture Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
27. Survey	Daryl Thier/T2 Utility Engineers	Enter name & office	Enter name & firm	Enter name & office
28. Photogrammetry	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
29. Mapping	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
30. Terrestrial Mobile LIDAR	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
31. Architecture Development	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
32. Noise Barriers Impact Design Assessment	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
33. Intelligent Transportation Systems Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
34. Intelligent Transportation Systems Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
35. Geotechnical	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Amelia Road Guardrail Design at Culvert 3401
 County: Nassau
 FPN: 0
 FAP No.: NA

Consultant Name: Civil Services
 Consultant No.: enter consultants proj. number
 Date: 4/9/2020
 Estimator: insert name

Staff Classification	Hour From "SH Summary - Firm"	Project Manager	Senior Engineer	Engineer	Designer	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	Salary	Average
														By Activity	Cost By Activity	Rate Per Task
3. Project General and Project Common Tasks	58	12	2	34	11	0	0	0	0	0	0	0	0	59	\$2,613	\$44.28
4. Roadway Analysis	50	10	2	29	10	0	0	0	0	0	0	0	0	51	\$2,250	\$44.13
5. Roadway Plans	50	10	2	29	10	0	0	0	0	0	0	0	0	51	\$2,250	\$44.13
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	4	1	0	2	1	0	0	0	0	0	0	0	0	4	\$172	\$43.06
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, Dvgs, 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 - Bridge Repair Plans	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)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
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	162	33	6	94	32	0	0	0	0	0	0	0	0	165		
Total Staff Cost		\$1,932.15	\$399.78	\$4,121.90	\$632.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$7,286.83	\$44.16

Survey Field Days by Subconsultant
 4 - Person Crew.

- 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.

SALARY RELATED COSTS:		\$7,285.83
OVERHEAD:	180%	\$13,115.22
OPERATING MARGIN:	27%	\$1,967.17
FCOM (Facilities Capital Cost Money):	0.35%	\$25.50
EXPENSES:	2.71%	\$197.45
Survey (Field - if by Prime)	0	\$ - / day
4-man crew days @		
SUBTOTAL ESTIMATED FEE:		\$22,591.17
Subconsultant: T2 Utility Engineers & Surveyors		\$6,061.92
Subconsultant: Sub 2		\$0.00
Subconsultant: Sub 3		\$0.00
SUBTOTAL ESTIMATED FEE:		\$28,673.09
Geotechnical Field and Lab Testing		\$0.00
SUBTOTAL ESTIMATED FEE:		\$28,673.09
Optional Services		\$0.00
GRAND TOTAL ESTIMATED FEE:		\$28,673.09

Project Activity 3: General Tasks

Estimator:

Amelia Road Guardrail Design at Culvert 3401

0

Representing	Print Name	Signature / Date
FDOT District		
CSI		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
3.1 Public Involvement Subtotal					0	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	8	8	Bid Package
3.4	Contract Maintenance and EDMS	LS	1	19	19	16 hours for set-up + 3 months duration x 1 hrs/month = 19 hrs
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	15	15	See listing below
3.7	Plans Update	LS	1	0	0	

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	16	16	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	0	0	
3. Project Common and Project General Tasks Total					58	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	0	0	
Drainage	EA	0	0	0	
Utilities	EA	1	1	1	
Environmental	EA	0	0	0	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LIDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	1	2	2	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	1	0	0	
Total Project Manager Meetings		3		3	Total PM Meeting Hours carries to Task 3.6 above

Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

Project Activity 4: Roadway Analysis

Estimator:

Amelia Road Guardrail Design at Culvert 3401

0

Representing	Print Name	Signature / Date
FDOT District		
CSI		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Type Selection Report	LS	1	0	0	
4.3	Pavement Design Package	LS	1	0	0	
4.4	Cross-Slope Correction	LS	1	0	0	
4.5	Horizontal /Vertical Master Design Files	LS	1	24	24	
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	
4.8	Roundabout Final Design Analysis	LS	1	0	0	
4.9	Cross Section Design Files	LS	1	0	0	
4.10	Traffic Control Analysis	LS	1	4	4	Level I MOT
4.11	Master TCP Design Files	LS	1	0	0	
4.12	Design Variations and Exceptions	LS	1	0	0	
4.13	Design Report	LS	1	0	0	
4.14	Quantities	LS	1	8	8	
4.15	Cost Estimate	LS	1	4	4	
4.16	Technical Special Provisions	LS	1	0	0	
4.17	Other Roadway Analyses	LS	1	0	0	
Roadway Analysis Technical Subtotal					40	

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.18	Field Reviews	LS	1	0	0	
4.19	Monitor Existing Structures	LS	1	0	0	
4.20	Technical Meetings	LS	1	6	6	Meetings are listed below
4.21	Quality Assurance/Quality Control	LS	%	5%	2	
4.22	Independent Peer Review	LS	%	0%	0	
4.23	Supervision	LS	%	5%	2	
Roadway Analysis Nontechnical Subtotal					10	
4.24	Coordination	LS	%	0%	0	
4. Roadway Analysis Total					50	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	0	0	0		0
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	2	3	6		0
Work Zone Traffic Control	EA	0	0	0		0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				6	Subtotal Project Manager Meetings:	0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				6	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 4.17

Carries to Tab 3

Project Activity 5: Roadway Plans

Estimator:

Amelia Road Guardrail Design at Culvert 3401

0

Representing	Print Name	Signature / Date
FDOT District		
CSI		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	4	4	
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	2	2	
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	0	0	0	
5.3.2	Typical Section Details		EA	0	0	0	
5.4	General Notes/Pay Item Notes		Sheet	1	4	4	
5.5	Summary of Quantities Sheets		Sheet	2	5	10	
5.6	Project Layout		Sheet	0	0	0	
5.7	Plan/Profile Sheet		Sheet	0	0	0	
5.8	Profile Sheet		Sheet	0	0	0	
5.9	Plan Sheet		Sheet	1	12	12	scale: 1" = 20'
5.10	Special Profile		Sheet	0	0	0	
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	
5.12	Interchange Layout Sheet		Sheet	0	0	0	
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	
5.14	Intersection Layout Details		Sheet	0	0	0	
5.15	Special Details		EA	0	0	0	
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	

Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.17	Roadway Soil Survey Sheet(s)		Sheet	0	0	0	
5.18	Cross Sections		EA	12	0.5	6	
5.19	Temporary Traffic Control Plan Sheets		Sheet	2	4	8	Estimated 2 sheets for Traffic Control Plans
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	
5.21	Temporary Traffic Control Detail Sheets		Sheet	0	0	0	
5.22	Utility Adjustment Sheets		Sheet	0	0	0	
5.23	Selective Clearing and Grubbing Sheet(s)		Sheet	0	0	0	
5.24	Project Network Control Sheet(s)		Sheet	0	0	0	
5.25	Environmental Detail Sheets		Sheet	0	0	0	
5.26	Utility Verification Sheet(s) (SUE Data)		Sheet	0	0	0	
Roadway Plans Technical Subtotal						46	
5.27	Quality Assurance/Quality Control		LS	%	5%	2	
5.28	Supervision		LS	%	5%	2	
5. Roadway Plans Total						50	

Project Activity 7: Utilities

Estimator:

Amelia Road Guardrail Design at Culvert 3401

0

Representing	Print Name	Signature / Date
FDOT District		
CSI		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	0	0	Meeting is listed below
7.2	Identify Existing Utility Agency Owners (UAO(s))	LS	1	0	0	
7.3	Make Utility Contacts	LS	1	2	2	
7.4	Exception Processing	LS	1	0	0	
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	0	0	Meetings are listed below
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	0	0	
7.8	Subordination of Easements Coordination	LS	1	0	0	
7.9	Utility Design Meeting	LS	1	0	0	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	0	0	
7.11	Utility Coordination/Followup	LS	1	2	2	
7.12	Utility Constructability Review	LS	1	0	0	
7.13	Additional Utility Services	LS	1	0	0	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	
7.16	Certification/Close-Out	LS	1	0	0	
7.17	Other Utilities	LS	1	0	0	
7. Utilities Total					4	

Project Activity 7: Utilities

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	0	0	0		0
Preliminary Meeting (see 7.5)	EA	0	0	0		0
Individual UAO Meetings (see 7.6)	EA	0	0	0		0
Field Meetings (see 7.6)	EA	0	0	0		0
Design Meeting (see 7.9)	EA	0	0	0		0
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	0	0	0		0
Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)	0

Carries to Tab 3



April 8, 2020

Mr. Ali Najafi, P.E.
Civil Services, Inc.
2394 St. Johns Bluff Road, S.
Jacksonville, Florida 32246

T2 Utility Engineers

159 SW Spencer Court
Suite 106
Lake City, FL 32024
USA
Phone 386 755 2626
Fax 386 755 2507

www.T2ue.com

RE: Surveying Services for Nassau County – Amelia Road Bridge 3401

Dear Mr. Najafi,

T2 Utility Engineers is pleased to provide you this proposal for Professional Surveying and Subsurface Utility Engineering services for the above referenced Amelia Road Bridge 3401. Our fee is based on the attached scope of services and the project limits as shown on Attachment "A".

For this T2 Utility Engineers will provide the following Services:

- Control/Design Survey
- Subsurface utility designating horizontal marking of subsurface utilities

All surveying services will be performed in accordance with the Standard of Practice for Surveying and Mapping Rule 5J-17 Florida Administrative Code. All Subsurface Utility Engineering will be in accordance with ASCE Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data, CI/ASCE 38-02.

Our fee, based on the attached scope of services and project limits as shown on Attachment "A" is valid for a period of 60 days from the date of this proposal. Our proposal includes all office and field support, mobilization, equipment and materials necessary to perform this project as described within the attached scoping of services.

Lump Sum Fees:

- **Design Survey - \$4,362.03**
- **Subsurface Utility Designating – \$1,719.89**

T2 Utility Engineers committed to diligently working to complete this project in a timely manner which will require close coordination between CSI, Nassau County and T2 Utility Engineers as well as our receiving a timely written notice to proceed from CSI with terms and conditions acceptable to T2 Utility Engineers.

We look forward to working with you on this very important project. After reviewing this proposal, should you have any further questions or need additional information, please feel free to contact us.

Kind Regards,

Daryl Thie, PLS
Vice President – Southern US
T2 Utility Engineers

Surveying and SUBSURFACE UTILITY ENGINEERING

FOR

Civil Services, Inc.

Amelia Road Bridge 3401

Nassau County, Florida

Project Limits:

The goal of this project is to replace the substandard guardrail that exists on the above referenced bridge. T2 Utility Engineers (T2) is task to provide the Surveying and Subsurface Utility Designating for Civil Services Inc. (CSI) who will provide the design for the guardrail replacement. The limits for the survey and Quality Level "B" Designating (horizontal marking) of existing Subsurface Utility Mains to be performed for this project are shown on **Attachment "A"**. The Survey will extend 25 feet right and left of the centerline of pavement and for a distance of 125 feet north and south along Amelia Road. The utility Designating will extend from the edge of pavement out 10 feet on both sides of Amelia Road for a distance of 125 feet north and south along Amelia Road from structure 3401.

Scope of Services:

Survey:

- Set two horizontal control points (iron rod and cap) and tie to Florida State Plane Coordinate Systems Florida East Zone using GPS observations.
- Establish vertical control on NAVD 88 datum using GPS observations
- Set nail and disc at the beginning and ending of the survey baseline established using the centerline of the pavement as baseline of survey. **No attempt will be made to tie this to the actual centerline of the right of way for Amelia Road.**
- Provide a full 3D TOPO/DTM survey from the centerline of Amelia Road pavement and out 25 feet in each direction for a distance of 125 feet north and south of the bridge culvert number 3401.
- Measure the inside dimensions of the bridge culvert and obtain an invert elevation.

Quality Level "B" Designating - Horizontal marking of Subsurface Utility Mains:

T2 will provide Quality Level "B" Designating, marking on the surface the approximate horizontal location of the existing subsurface utility mains from the edge of pavement out 10 feet on both sides of Amelia Road for a distance of 125 feet north and south along Amelia Road from structure 3401.

- By selecting the appropriate electromagnetic and/or geophysical prospecting equipment to include transmitter/receiver combinations to detect metallic underground utilities like ductile iron

pipe and copper telephone cables, and Ground Penetrating Radar (GPR) to detect non-metallic utilities like asbestos cement/transite or PVC Pipe; T2 will Designate (detect and mark) the subsurface utility mains approximate horizontal position on the surface using paint or flags as appropriate based on the field conditions and safety consideration.

- Some existing subsurface utility mains may not be detectable at the surface using current state of the art geophysical detecting equipment, due to their depth, size, material composition or soil conditions. In these cases, T2 will show these utilities based on any visible surface features and any existing record drawings that have been provided to T2. These utility mains shown from surface features and record drawings will be shown as Quality Level "D". Quality Level "A" Locating (VH Test Holes) may be required on these type of utilities for further verification.
- T2 **will not attempt** to locate small service lines connecting to existing building within the project limits.
- T2 **will not** be responsible for locating hose bib connections or abandoned utilities within the project limits.

Deliverables:

- T2 will provide a Micro Station Design file of the survey and subsurface utility designating to FDOT D2 standards.

Schedule of Services:

- In order to complete these services in a timely manner, T2 will work with you to determine a schedule that best meets your schedule. Prior to T2 starting any of the required fieldwork, CSI will need to provide written Notice to Proceed with terms and conditions acceptable to T2.

Note: T2 will perform these services with due diligence, however, T2 does not guarantee that all underground utilities can or will be detected. In areas where the equipment cannot be run directly over the ground surface, investigation may not be possible. The combination of Quality Level "B" Designating along with Geophysical Investigation will result in a very comprehensive evaluation and detection of subsurface utilities within the project limits. Though this investigation may not tell you definitively what the utilities may be in all cases, it will help to identify the location of potential utilities allowing for further investigation using vacuum excavation. This subsequent investigation **is Not** included in this scope of services and fee proposal.



Note: The following are not included in this proposal.


- Centerline and right of way for Amelia Road will not be established or determined
- Centerline or Survey Baseline references will not be provided
- Control Sheets are not included in this proposal
- VH test holes are not included in this proposal
- Wetland survey is not included in this proposal

Attachment "A"

Survey and Utility Designating Limits for Bridge 3401

Legend

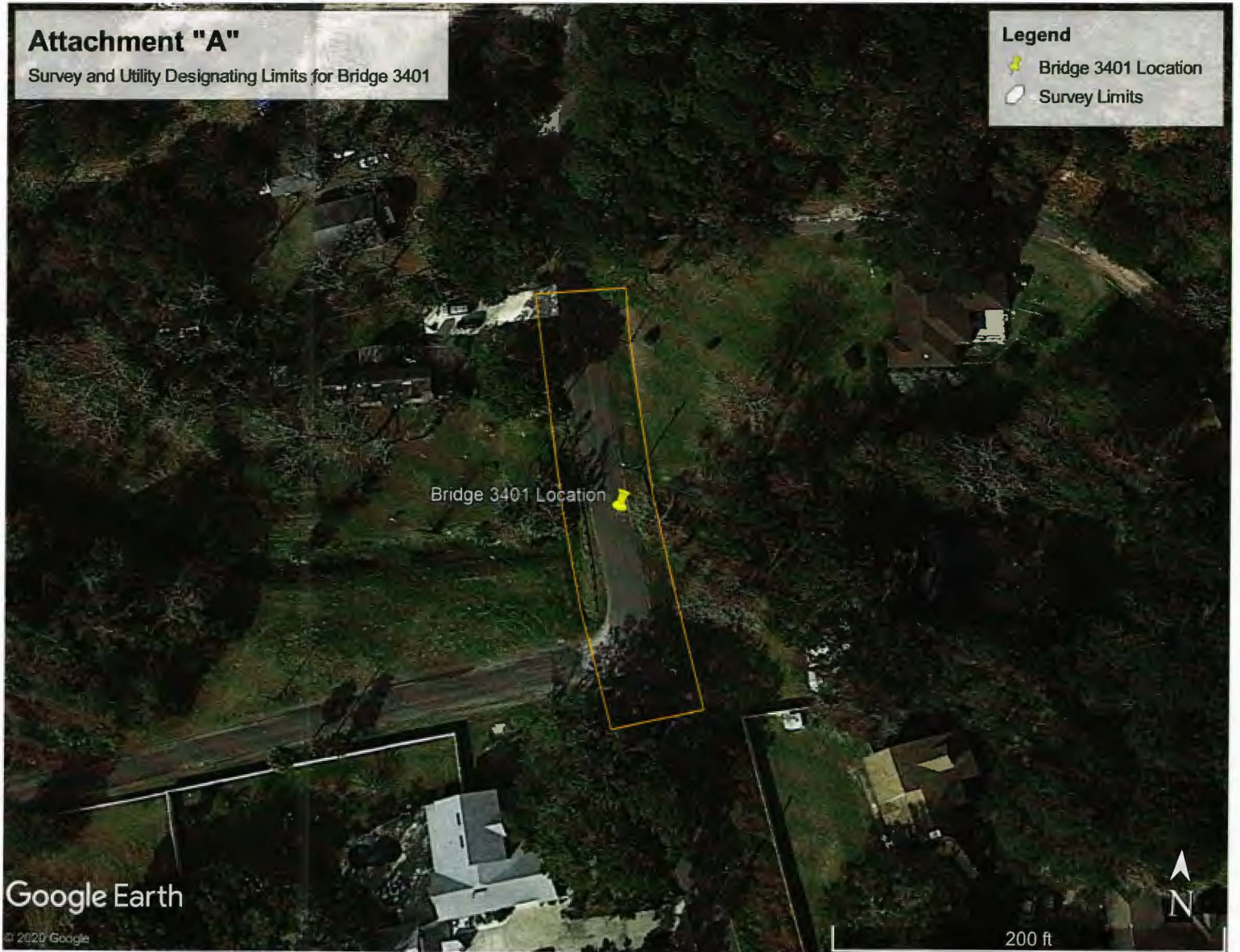
-  Bridge 3401 Location
-  Survey Limits

Bridge 3401 Location 

Google Earth

© 2020 Google

200 ft



Sharon Johns

From: Grayson Hagins
Sent: Monday, April 20, 2020 12:05 PM
To: Sharon Johns
Subject: FW: Work Authorization #05 Contract CM2286 Civil Services Inc
Attachments: CM2286-WA05 Civil Services, Inc..pdf

Good morning Sharon,

I have reviewed and approve to proceed in sending to Robert for his signature. Please let me know if you have any questions before proceeding. Thank you Sharon!!

Grayson Hagins

Contract/Purchasing Manager
Nassau County Board of County Commissioners
96135 Nassau Place, Suite 2
Yulee, FL 32097
904-530-6040
ghagins@nassaucountyfl.com

From: Ali Najafi <anajafi@civilservicesinc.com>
Sent: Monday, April 20, 2020 11:43 AM
To: Grayson Hagins <ghagins@nassaucountyfl.com>
Cc: Caleb Hurst <churst@nassaucountyfl.com>; Sharon Johns <sjohns@nassaucountyfl.com>
Subject: FW: Work Authorization #05 Contract CM2286 Civil Services Inc

CONTAINS EXTERNAL SENDER CONTENT: Do not open attachments unless you are expecting them and trust the sender.

- Technical Services

Grayson,

Good morning and I hope you are all well and staying safe.

Attached please find signed page 2 along with rest of the document for routing.

Thank you,

Sincerely,

Ali A. Najafi, P.E.

CIVIL SERVICES, INC.

2394 St. Johns Bluff Road, S., Jacksonville, FL 32246
Office 904-641-1834 Ext. 203 | Direct 904-309-8593 | Cell 904-591-3589 | Fax 904-645-0057
anajafi@civilservicesinc.com | www.civilservicesinc.com

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 Please consider the environment before printing this email.

From: Grayson Hagins <ghagins@nassaucountyfl.com>

Sent: Monday, April 20, 2020 8:56 AM

To: Ali Najafi <anajafi@civilservicesinc.com>

Cc: Caleb Hurst <churst@nassaucountyfl.com>; Sharon Johns <sjohns@nassaucountyfl.com>

Subject: Work Authorization #05 Contract CM2286 Civil Services Inc

Good morning Ali,

Please see the attached Work Authorization for your review. Upon acceptance, please signa and date the second page and return a color scan copy back to me for routing. If you have any questions, please let me know.

Grayson Hagins

Contract/Purchasing Manager

Nassau County Board of County Commissioners

96135 Nassau Place, Suite 2

Yulee, FL 32097

904-530-6040

ghagins@nassaucountyfl.com

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