

**WORK AUTHORIZATION # CM2287-WA12
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
RFQ/BID NO. NC14-027**

Consultant:	Peters and Yaffee, Inc.
Contract Number:	CM2287-WA12
Contact Name:	Dow Peters
Contact Number:	904-265-0751
Email:	dpeters@petersandyaffee.com

CURRENT WORK AUTHORIZATION			
Project Short Title: US 17 and William Burgess Boulevard FDOT ICE Analysis (Remainder from WA11)			
		CONTRACT OVERVIEW	
Date Submitted	02/03/2021	Total of Previous Authorizations	\$731,411.63
Amount	\$12,584.44	This Work Authorization	\$12,584.44
Scheduled Completion	4/31/2021	Current Contract Total	\$743,996.07

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Continuing Contract for Construction Engineering Inspection (CEI) 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:

Under CM2287-WA11, the Consultant agreed to perform services for an Intersection Control Evaluation (ICE) analysis as required by FDOT for US 17 and William Burgess intersection. Said services are further detailed in the proposal dated April 07, 2019, attached hereto as Exhibit "A". The Consultant failed to complete said services prior to the expiration of CM2287-WA11 on September 30, 2020. A deductive Change Order (CM2287-WA11-CO1) was approved on February 15, 2021 in the amount of \$12,584.44 reducing the total amount for CM2287-WA11 from \$44,579.92 to \$31,995.48 to account for the uncompleted services. The Consultant agreed to provide the remaining services under this Work Authorization in the amount of \$12,584.44.

ARTICLE 2. Time Schedule

The estimated completion date is 04/31/2021.

ARTICLE 3. Budget

The Consultant and its subconsultants shall complete the services detailed in Exhibit "A" for the work remaining from CM2287-WA11 in the amount of \$12,584.44. The Consultant and subconsultant fee amount remaining from CM2287-WA11 along with the supporting invoices recorded under CM2287-WA11 are attached hereto as Exhibit "B".

The Consultant will be using billing rates established under Continuing Contract CM2287.

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 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: Dow Peters
Print Name: Dow Peters
Title: President
Date: 3/12/2021

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

County Engineer:	<u>Robert Companion</u>	3/11/2021
	Department Head or Designee	Date
Procurement:	<u>[Signature]</u>	3/11/2021
	Brian Simmons	Date
Office of Management & Budget:	<u>Megan Diehl</u>	3/12/2021
	Megan Diehl	Date
County Manager:	<u>Taco E. Pope, AICP</u>	3/12/2021
	Taco E. Pope, AICP	Date
Ex-Officio Clerk:	<u>N/A</u>	
	John Crawford	Date
County Attorney/Contract Management:	<u>Michael S. Mullin</u>	3/12/2021
	Michael S. Mullin	Date

APPROVED by the BOARD OF COUNTY COMMISSIONERS or their Designee, this
12th day of March, 2021.

BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA

N/A
Thomas R. Ford
Chairman

ACCOUNT NO.: 63470541-563365 WBEXT

Exhibit "A"



April 7, 2020

via email: rcompanion@nassaucountyfl.com

Robert T. Companion, P.E.
County Engineer
Nassau County
96161 Nassau Place
Yulee, FL 32097

RE: Proposal for Nassau County General Engineering Consulting - US 17 and William Burgess Boulevard - FDOT ICE Analysis

Mr. Companion,

Peters and Yaffee, Inc. appreciates this opportunity to propose our services in connection with this important project. Enclosed, please find a copy of our Scope of Services, Compensation and Agreement for Professional Services for your review. If the proposal is acceptable to you, please execute and return to Peters and Yaffee as our notice to proceed with the included services.

Should you have any questions concerning the information provided, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Russell Yaffee", is written over a light blue horizontal line.

Russell Yaffee, PE, PTOE
Vice President

Peters and Yaffee, Inc.
9822 Tapestry Park Circle, Suite 205
Jacksonville, FL 32246
904.265.0751 (Phone)
904.735.6477 (Cell)



Exhibit A Scope of Services

Nassau County General Engineering Consulting US 17 and William Burgess Boulevard - FDOT ICE Analysis

INTRODUCTION

Nassau County is currently designing the proposed William Burgess Boulevard Extension east of US 17. The roadway design requires the design of appropriate intersection control at the intersection of US 17 and William Burgess Boulevard. US 17 is a two-lane roadway, William Burgess Boulevard is a two-lane roadway and the proposed William Burgess Boulevard Extension will be a two-lane roadway. An Intersection Control Evaluation (ICE) analysis is required by FDOT to determine appropriate intersection control for the US 17 and William Burgess Boulevard intersection.

Base Conditions: FDOT is currently conducting a PD&E study for the widening of US 17 between SR 200/A1A and William Burgess Boulevard. Discussion with the FDOT staff revealed that the funding for the widening of US 17 is currently not in place and may take another 15 to 20 years to secure the same. During the discussions with FDOT, it was determined that the ICE analysis be conducted under the existing conditions of US 17.

The ICE analysis is performed in three stages:

- Stage 1 - Screening
- Stage 2 - Preliminary Control Strategy Assessment
- Stage 3 - Detailed Control Strategy Assessment (*If Required*)

Stage 1 - Screening will include the following tasks:

- Determine Project Purpose and Need
- Collect and Identify data related to existing conditions (Data to be provided by GAI Consultants, including the PD&E Traffic Projections)
- Review data and conduct preliminary analysis to screen for viable control strategy
 - Conduct preliminary safety analysis (SPICE)
 - Determine CAP-X ranking
- Review Right-of-Way issues/constraints
- Identify all viable control strategies
- Submit Stage 1 ICE forms for approval by DTOE and DDE
- Proceed to Stage 2 upon approval of Stage 1 ICE forms

Stage 2 - Preliminary Control Strategy Assessment will include the following tasks:

- Prepare preliminary concept designs for viable control strategies identified in Stage 1 (We are assuming 5 control strategies will be considered)
- Evaluate each viable control strategy based on the following:
 - Opening year and design year operations



- Safety performance (HSM analysis with SPICE Tool)
- Construction Cost Estimates
- Benefit-cost analysis (using FDOT ICE Tool)
- Preliminary Right-of-Way impacts
- Preliminary Environmental
- Preliminary Utility Impacts
- Multimodal accommodations (pedestrian, bike and transit)
- Public input (If required by FDOT and Nassau County)
- Summarize analyses in Stage 2 ICE form and provide justification for identified control strategies and prepare report for submittal to FDOT
- Submit Stage 2 ICE forms for approval by DTOE and DDE
- Proceed to Stage 3 upon approval of Stage 2 ICE forms and if required by FDOT

Stage 3 - Detailed Control Strategy Assessment (If Required) will include the following tasks:

- Conduct more detailed assessment of remaining viable control strategies and collect additional data as needed to support analysis.
- Potential actions include the following:
 - Further public outreach (If required by FDOT and Nassau County)
 - Develop more detailed design
 - Conduct detailed operational analyses (microsimulation if applicable)
 - Conduct detailed cost estimates
 - Conduct additional environmental analysis if needed
- Evaluate each viable control strategy based on more detailed assessment
- Prepare Stage 3 ICE form detailing evaluation outcome and Submit to FDOT for approvals



Exhibit B Compensation

Nassau County General Engineering Consulting US 17 and William Burgess Boulevard - FDOT ICE Analysis

PROFESSIONAL FEES

- Stage 1 - Screening
- Stage 2 - Preliminary Control Strategy Assessment
- Stage 3 - Detailed Control Strategy Assessment (*If Required*)

Stage 1 - Screening

PY Staff (4 Hours)		\$ 592.32
CTSi Staff (49 Hours)		\$ 5,715.00
	Subtotal	\$ 6,307.32

Stage 2 - Preliminary Control Strategy Assessment

PY Staff (120 Hours)		\$ 15,021.20
CTSi Staff (56 Hours)		\$ 6,800.00
	Subtotal	\$ 19,869.88

Subtotal (Stages 1 and 2)

PY Subtotal (124 Hours)		\$ 15,613.52
CTSi Subtotal (142 Hours)		\$ 12,515.00
TOTAL (229 Hours)		\$ 28,128.52

Stage 3 - Detailed Control Strategy Assessment (*If Required*)

PY Staff (68 Hours)		\$ 8,331.40
CTSi Staff (66 Hours)		\$ 8,120.00
	Subtotal	\$ 16,451.40

Total (Stages 1, 2 and 3)

PY Subtotal (192 Hours)		\$ 23,944.92
CTSi Subtotal (171 Hours)		\$ 20,635.00
TOTAL (363 Hours)		\$ 44,579.92



FEE RATES

Upon agreement by both parties, any additional work to be performed outside the scope of services listed within this contract will adhere to the following hourly rates:

Nassau County Approved
RATE SCHEDULE
Peters and Yaffee, Inc.

Labor Grade	Hourly Billing Rate
PY Project Principal	\$ 214.29
Project Manager/ Sr. Engineer	\$ 182.89
Project Engineer	\$ 113.27
Engineering Intern	\$ 76.23
CADD Designer	\$ 69.91
Clerical	\$ 62.80

RATE SCHEDULE
CTSi

Labor Grade	Hourly Billing Rate
CTSi Professional Engineer	\$ 185.00
CTSi Project Engineer/ Sr. Designer	\$ 110.00
CTSi Designer/ Sr. CADD Technician	\$ 95.00
CADD Technician	\$ 65.00
Clerical	\$ 50.00

SCHEDULE

- Stage 1 - Screening
 - 2 weeks - after NTP and receiving data from GAI Consultants
 - 1 to 4 weeks - FDOT Review
- Stage 2 - Preliminary Control Strategy Assessment
 - 3 to 4 Weeks - after receiving responses from FDOT
 - 1 to 4 weeks - FDOT Review
- Stage 3 - Detailed Control Strategy Assessment (If Required)
 - 3 to 4 Weeks - after receiving responses from FDOT
 - 1 to 4 weeks - FDOT Review
- Final Approval from FDOT
 - 3 to 4 Weeks - after completion of Stage 2 or Stage 3 if Stage 3 is required

Exhibit "B"



Peters & Yaffee
 9822 Tapestry Park Circle
 Suite 205
 Jacksonville, FL 32246
 904-265-0751

Nassau County Engineering
 96161 Nassau Place
 Yulee, FL 32097
 Grayson Hagins

Invoice number 2872
 Date 05/31/2016

Project 15-020-10 NASSAU COUNTY CES US 17
 AND WILLIAM BURGESS BOULEVARD -
 FDOT ICE ANALYSIS

Description	Contract Amount	Percent Complete	Prior Billed	Total Billed	Current Billed
Stage 1 - Screening	592.32	100.00	0.00	592.32	592.32
Stage 1 - Screening (CTSI)	5,715.00	100.00	0.00	5,715.00	5,715.00
Stage 2 - Preliminary Control Strategy Assessment	15,021.20	65.00	0.00	9,763.78	9,763.78
Stage 2 - Preliminary Control Strategy Assessment (CTSI)	6,800.00	0.00	0.00	0.00	0.00
Stage 3 - Detailed Control Strategy Assessment	8,331.40	0.00	0.00	0.00	0.00
Stage 3 - Detailed Control Strategy Assessment (CTSI)	8,120.00	0.00	0.00	0.00	0.00
Total	44,579.92	36.05	0.00	16,071.10	16,071.10

Invoice total **16,071.10**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
2872	05/31/2016	16,071.10					16,071.10
	Total	16,071.10	0.00	0.00	0.00	0.00	16,071.10

Approved by:

Russell Yaffee
 Sr. Traffic Engineer



Nassau County Engineering

Project 15-020-10 NASSAU COUNTY CES US 17 AND WILLIAM BURGESS BOULEVARD - FDOT ICE ANALYSIS

Invoice number

2872

Date

05/31/2016

It is a pleasure working with you!

**Peters & Yaffee**

9822 Tapestry Park Circle
 Suite 205
 Jacksonville, FL 32246
 904-265-0751

Nassau County Engineering
 96161 Nassau Place
 Yulee, FL 32097
 Robert Companion

Invoice number 2943
 Date 06/30/2020

Project 15-020-10 NASSAU COUNTY CES US 17
 AND WILLIAM BURGESS BOULEVARD -
 FDOT ICE ANALYSIS

Description	Contract Amount	Percent Complete	Prior Billed	Total Billed	Current Billed
Stage 1 - Screening	592.32	100.00	592.32	592.32	0.00
Stage 1 - Screening (CTSI)	5,715.00	100.00	5,715.00	5,715.00	0.00
Stage 2 - Preliminary Control Strategy Assessment	15,021.20	65.00	9,763.78	9,763.78	0.00
Stage 2 - Preliminary Control Strategy Assessment (CTSI)	6,800.00	67.94	0.00	4,620.00	4,620.00
Stage 3 - Detailed Control Strategy Assessment	8,331.40	0.00	0.00	0.00	0.00
Stage 3 - Detailed Control Strategy Assessment (CTSI)	8,120.00	0.00	0.00	0.00	0.00
Total	44,579.92	46.41	16,071.10	20,691.10	4,620.00

Invoice total **4,620.00**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
2872	05/31/2016	16,071.10					16,071.10
2943	06/30/2020	4,620.00		4,620.00			
	Total	20,691.10	0.00	4,620.00	0.00	0.00	16,071.10

Approved by:

Russell Yaffee
 Sr. Traffic Engineer



Nassau County Engineering

Project 15-020-10 NASSAU COUNTY CES US 17 AND WILLIAM BURGESS BOULEVARD - FDOT ICE ANALYSIS

Invoice number

2943

Date

06/30/2020

It is a pleasure working with you!



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2020 SEP 20 PM 11:00

Peters & Yaffee
9822 Tapestry Park Circle
Suite 205
Jacksonville, FL 32246
904-265-0751

Nassau County Engineering
96161 Nassau Place
Yulee, FL 32097
Robert Companion

Invoice number 2982
Date 08/31/2020

Project 15-020-10 NASSAU COUNTY CES US 17
AND WILLIAM BURGESS BOULEVARD -
FDOT ICE ANALYSIS

Description	Contract Amount	Percent Complete	Prior Billed	Total Billed	Current Billed
Stage 1 - Screening	592.32	100.00	592.32	592.32	0.00
Stage 1 - Screening (CTSI)	5,715.00	100.00	5,715.00	5,715.00	0.00
Stage 2 - Preliminary Control Strategy Assessment	15,021.20	95.82	9,763.78	14,392.67	4,628.89
Stage 2 - Preliminary Control Strategy Assessment (CTSI)	6,800.00	67.94	4,620.00	4,620.00	0.00
Stage 3 - Detailed Control Strategy Assessment	8,331.40	0.00	0.00	0.00	0.00
Stage 3 - Detailed Control Strategy Assessment (CTSI)	8,120.00	0.00	0.00	0.00	0.00
Total	44,579.92	56.80	20,691.10	25,319.99	4,628.89

Invoice total **4,628.89**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
2872	05/31/2016	16,071.10					16,071.10
2943	06/30/2020	4,620.00			4,620.00		
2982	08/31/2020	4,628.89	4,628.89				
Total		25,319.99	4,628.89	0.00	4,620.00	0.00	16,071.10

Approved by:

Austin Chapman
Traffic Engineer

2 09/21/2020
634 70541-563365 WBEXT
CM 2287- WA11



Nassau County Engineering

Project 15-020-10 NASSAU COUNTY CES US 17 AND WILLIAM BURGESS BOULEVARD - FDOT ICE ANALYSIS

Invoice number

2882

Date

08/31/2020

It is a pleasure working with you!



Peters & Yaffee
 9822 Tapestry Park Circle
 Suite 205
 Jacksonville, FL 32246
 904-265-0751

Nassau County Engineering
 96161 Nassau Place
 Yulee, FL 32097
 Robert Companion

Invoice number 3069
 Date 09/20/2020
 Dates of Service 09/01/2020 - 09/20/2020
 Project 15-020-10 NASSAU COUNTY CES US 17
 AND WILLIAM BURGESS BOULEVARD
 - FDOT ICE ANALYSIS - WA#11

Description	Contract Amount	Percent Complete	Prior Billed	Total Billed	Current Billed
Stage 1 - Screening	592.32	100.00	592.32	592.32	0.00
Stage 1 - Screening (CTSI)	5,715.00	100.00	5,715.00	5,715.00	0.00
Stage 2 - Preliminary Control Strategy Assessment	15,021.20	95.82	14,392.67	14,392.67	0.00
Stage 2 - Preliminary Control Strategy Assessment (CTSI)	6,800.00	67.94	4,620.00	4,620.00	0.00
Stage 3 - Detailed Control Strategy Assessment	8,331.40	80.12	0.00	6,675.49	6,675.49
Stage 3 - Detailed Control Strategy Assessment (CTSI)	8,120.00	0.00	0.00	0.00	0.00
Total	44,579.92	71.77	25,319.99	31,995.48	6,675.49

Invoice total **6,675.49**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
3069	09/20/2020	6,675.49			6,675.49		
	Total	6,675.49	0.00	0.00	6,675.49	0.00	0.00

Approved by:

Austin Chapman
 Traffic Engineer



Nassau County Engineering

Project 15-020-10 NASSAU COUNTY CES US 17 AND WILLIAM BURGESS BOULEVARD - FDOT ICE ANALYSIS

Invoice number

3069

Date

09/20/2020

It is a pleasure working with you!