

**WORK AUTHORIZATION # CM2287-WA06  
 NASSAU COUNTY  
 BOARD OF COUNTY COMMISSIONERS  
 CONTINUING CONTRACT FOR PROFESSIONAL ENGINEERING SERVICES  
 RFQ/BID NO. NC14-026**

<b>Consultant:</b>	Peters & Yaffee, Inc.
<b>Contract Number:</b>	CM2287
<b>Contact Name:</b>	Dow W. Peters III, P.E.
<b>Contact Number:</b>	904-265-0751
<b>Email:</b>	dpeters@petersandyaffee.com

CURRENT WORK AUTHORIZATION			
<b>Project Short Title:</b> Safety Study Proposal for Improvements to S 14 <sup>th</sup> St & Sadler Road			
<b>CONTRACT OVERVIEW</b>			
<b>Date Submitted</b>	2/23/18	<b>Total of Previous Authorizations</b>	\$306,438.29
<b>Amount</b>	\$31,511.10	<b>Change Orders/Adjustments</b>	\$0
<b>Scheduled Completion</b>	60 Days from NTP	<b>This Work Authorization</b>	\$31,511.10
		<b>Current Contract Total</b>	\$337,949.39

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:

Peters and Yaffee, Inc. shall provide a safety study with crash data analysis, recommendations and cost benefit analysis to evaluate the markings, including the center lane, on South 14<sup>th</sup> Street (from Hickory Street to Sadler Road) and Sadler Road (from 8<sup>th</sup> Street to east of Citrona Drive) in Nassau County, Florida, pursuant to the scope of services dated February 23, 2018, attached hereto as Exhibit "A".

ARTICLE 2. Time Schedule

Peters and Yaffee, Inc. has an anticipated completion date within 60 days of NTP, with final completion no later than October 31, 2018.

ARTICLE 3. Budget

Peters and Yaffee, Inc. will perform the scope of services outlined herein for a lump sum fee of \$31,511.10, detailed in the estimate of work effort and fee, attached hereto as Exhibit "B".

Article 4. Other Provisions

The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments

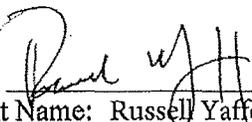
or schedules. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

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In presenting this Work Authorization, Consultant agrees that:

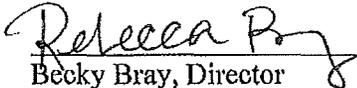
Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed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

AGREED TO BY:

BY:   
Print Name: Russell Yaffee, PE, PTOE  
Title: Vice President  
Date: 3/26/2018

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

Public Works

  
Becky Bray, Director

Contract Management:

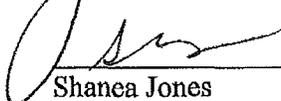
  
Grayson Hagins

Office of Management and Budget:

 4.16.18

  
Justin Stankiewicz

County Manager:

  
Shanea Jones

APPROVED by the County Manager, Designee for Nassau County Board of County Commissioners, the 20th day of April, 2018.

Account Number: #03420541-531000



February 23, 2018

Ms. Josephine Craver  
Engineer II  
Nassau County Public Works  
Engineering Services  
96161 Nassau Place  
Yulee, FL 32097

*via email: [jcraver@nassaucountyfl.com](mailto:jcraver@nassaucountyfl.com)*

RE: Safety Study Proposal for Improvements to South 14<sup>th</sup> Street (from Hickory Street to Sadler Road) and Sadler Road (from 8<sup>th</sup> Street to east of Citrona Drive)

Ms. Craver,

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,

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

### Safety Study for Improvements to South 14<sup>th</sup> Street (from Hickory Street to Sadler Road) and Sadler Road (from 8<sup>th</sup> Street to east of Citrona Drive)

#### INTRODUCTION

We are pleased to provide this proposal for professional services for the referenced project. It is our understanding that Nassau County is requesting a safety study with crash data analysis, recommendations and cost benefit analysis to evaluate the markings including the center lane on South 14th Street (from Hickory Street to Sadler Road) and Sadler Road (from 8th Street to east of Citrona Drive).

These improvements will at a minimum investigate markings, signage, medians/islands, dotted line continuation, designated turn lanes, refreshing bicycle lane markings and other motorists, pedestrian and bicycle safety improvements. Additionally, this study will review the Sadler Road Diet Traffic Study prepared by CTSi on 11/14/17 and incorporate, if possible some of the recommendations, such as the lane elimination, addition of bicycle facilities and the roundabout. This study will be part of a grant application package for the 2018/2019 FDOT Off-System Highway Safety Improvement Program (HSIP). This proposal outlines the services required to perform the study. Our fee and schedule is based on our understanding as described in more detail as follows:

#### **Traffic Study**

A. Existing Conditions

Peters and Yaffee (PY) will perform a detailed field review to determine the existing field conditions along the corridor, such as geometry, right-of way, typical cross sections, signing and pavement markings, medians, turn lanes, operational characteristics, access classification and historical traffic count data. We will also review any planned roadway or intersection improvements that are anticipated along the corridor.

B. Sadler Road Diet Traffic Study Review

PY will review the Sadler Road Diet Traffic Study prepared by CTSi on 11/14/17 to assess if the recommendations made in that study can be incorporated into the final study.

C. Collision Analysis

PY will perform a collision analysis utilizing Signal Four Analytics for the five year period from January 1, 2012 to December 31, 2016. PY will verify that the collision data used in the study has been verified by FDOT. Collision diagrams will be prepared and a collision analysis will be performed and summarized.

D. Qualitative Assessment

PY will perform a qualitative assessment to investigate the corridor during both peak and non-peak periods to identify any geometric, traffic safety, traffic operations and traffic control conditions that may provide input into the determination of our recommended concepts.

E. Concept Plan

Concept plans will be developed based on input from County staff, field observations, collision data, qualitative assessments and applicable FDOT design criteria.

F. Cost Estimate

The FDOT Long Range Estimating (LRE) system along with recent historical cost data provided by the County will be used to develop a cost estimates for the concept plan.

G. Benefit/Cost Analysis and Net Present Value

Using industry standard Safety Benefit-Cost (B/C) and Net Present Value calculation methodology, PY will calculate B/C ratios & Net Present Values (NPVs) for the identified safety concept plan. The purpose of the analysis will be to determine eligibility of a proposed improvement to qualify for federal safety funding under the HSIP.

H. Recommendations

Recommendations will be provided for in a final report summarizing all of the data collection, analysis, concepts and cost estimates.

**MISCELLANEOUS SERVICES**

A. Meetings and Project Coordination

Peters and Yaffee will attend up to two (2) meetings with the Client, other consultants, legal counsel, governmental agencies and others as requested by the Client or as necessary for the timely processing of plan submittals and permit applications. Any additional meetings as requested by the Client will be billed on an hourly time charge basis.

B. Additional Services

Additional services include any "Additional Services" described above and any other service requested by the Client that is not described in the Scope of Services.

## Exhibit B

### Safety Study for Improvements to South 14<sup>th</sup> Street (from Hickory Street to Sadler Road) and Sadler Road (from 8<sup>th</sup> Street to east of Citrona Drive)

#### Compensation

For the services described in Exhibit A, the CLIENT agrees to pay and the CONSULTANT agrees to accept the lump sum amounts delineated as:

Safety Study	\$ 31,511.10
Miscellaneous Services	Time Charge

which sum constitutes compensation for all of the CONSULTANT's salary costs, general and administrative overhead, direct project expenses and profit. The CLIENT agrees to pay the CONSULTANT monthly based on the estimated percentage of total work completed through the billing period as certified by the CONSULTANT.

Services requested by the CLIENT beyond those described in Exhibit A will be considered to be additional services, for which the CLIENT agrees to pay the CONSULTANT monthly, for work completed, on the basis of the standard hourly billing rates in effect when services are provided by the CONSULTANT's employees of various labor grades, currently, as shown below. In such cases, direct project expenses are also reimbursable at cost.

#### RATE SCHEDULE

(Negotiated with Nassau County 02/26/16)

Classification	Loaded Billing Rate
Project Principal	\$ 214.29
Project Manager	\$ 182.89
Senior Engineer	\$ 182.89
Project Engineer	\$ 113.27
Engineering Intern	\$ 76.23
CADD Designer	\$ 69.91
Clerical	\$ 62.80

