

# TASK ORDER APPROVAL FORM

CONTRACT #: C19-2747-PW

TASK ORDER #: 16

TASK ORDER AMOUNT: \$ 241,196.41

Contract:# C19-2747-PW  
MOTT MACDONALD FLORIDA, LLC.  
GENERAL ENGINEERING SERVICES FOR PW  
Expires: 09/30/2023

OFFERED BY CONSULTANT:

Mott MacDonald Florida, LLC

FIRM'S NAME

David D. Skipper, PE

REPRESENTATIVE'S PRINTED NAME



SIGNATURE

Senior Vice President

TITLE

12/13/2022

DATE

**RECOMMENDED FOR APPROVAL**  
**(Department Director)**

Jason T. Autrey, P.E., Digitally signed by Jason T. Autrey, P.E. C.P.M.  
C.P.M. Date: 2022.12.14 09:34:37 -06'00'

SIGNATURE

Public Works Director

TITLE

12/14/2022

DATE

**APPROVED BY OKALOOSA COUNTY**  
**(Per Purchasing Manual) Table 1**

Jeffrey A Hyde Digitally signed by Jeffrey A Hyde  
Date: 2022.12.14 10:30:15 -06'00'

PURCHASING MANAGER

12.14.2022

DATE

Faye Douglas Digitally signed by Faye Douglas  
Date: 2022.12.16 14:10:04 -06'00'

OMB DIRECTOR

12.16.2022

DATE

John Hofstad Digitally signed by John Hofstad  
Date: 2022.12.19 11:25 07 -06'00'

COUNTY ADMINISTRATOR (if applicable)

12.19.2022

DATE



Robert A. "Trey" Goodwin III, CHAIRMAN

01/03/2023

DATE





Submitted to  
Scott Bitterman, PE  
County Engineer

Okaloosa County  
1759 S Ferdon Blvd  
Crestview, FL 32536

**Project**  
Design Services for  
Intersection Improvements:  
SR 189/Beal Pkwy and  
Carmel Dr

**Project Number**  
502100708-010

Ricky Branton, PE  
Project Principal

Mott MacDonald  
220 W Garden Street  
Suite 700  
Pensacola, FL 32502  
[ricky.branton@mottmac.com](mailto:ricky.branton@mottmac.com)

## Professional Engineering Services Proposal

Mr. Bitterman,

Mott MacDonald is pleased to provide this Task Order proposal for professional engineering services related to intersection improvements at Beal Parkway (State Road 189) and Carmel Drive in Wright, north of Fort Walton Beach. The County identified the Beal Pkwy/Carmel Dr intersection as a constrained signal. Capacity and safety improvements include turn lane addition and pedestrian access upgrades on Carmel Dr, to relieve congestion on SR 189 and improve motorist and pedestrian safety.

A CIGP grant application was submitted in March 2022 requesting FDOT funding assistance for the construction phase of the project. The County desires to advance design and permitting for the project without final approval of the grant application. The project is planned to include the following improvements as described in the application:

- An additional left turn lane on EB Carmel Dr at the SR 189 signalized intersection, extending from the Lowe's driveway; requires widening for approximately 400 feet of EB Carmel Dr to accommodate right turn lane.
- A traffic separator on Carmel Dr at the SR 189 intersection to manage access and minimize conflicting movements
- A proposed 6-foot sidewalk along EB Carmel Dr, extending from Bridgeport Colony Lane to SR 189
- A proposed midblock crosswalk with Rectangular Rapid Flashing Beacon (RRFB) devices included with pedestrian crossing warning signs, located at the southeast corner of Claeven Cir crossing Carmel Dr
- Roadway milling and resurfacing, curb and gutter segments, drainage, and signing and pavement markings on Carmel Dr from Bridgeport Colony Lane to SR 189
- Signal modifications and intersection pavement markings on SR 189

The scope of services includes: data collection (topographic survey and geotechnical investigation); coordination; engineering design services (60%, 90%, and final construction documents); and permitting assistance.

This Task Order, when executed, will be incorporated as part of the original Contract for General Engineering Services C19-2747-PW dated March 9, 2021, between Okaloosa County and Mott MacDonald Florida, LLC.

### Scope of Services

#### 1. Data Collection and Coordination

##### a. Topographic Survey

Southeastern Surveying and Mapping Corporation will perform a topographical survey of the anticipated project limits, including 0.3 miles on Carmel Drive west of Beal Pkwy; the Beal Pkwy intersection with Carmel Drive and Clifford Street; and approximately 120 feet on Clifford Street east of Beal Pkwy. The survey shall include the collection of both horizontal and vertical position data for all visible and apparent features, along with property corner data. However, the survey does not include a

title search nor commitment for said road right of ways. The survey scope does not include sub-surface utility exploration, tree survey, or easement sketches.

**b. Geotechnical Exploration and Reporting**

Universal Engineering Sciences will provide geotechnical services for the proposed roadway and stormwater features. The geotechnical analysis will provide pavement design, soil conditions, percolation rates, and water table elevations. Activities will involve field exploration, laboratory testing, and reporting.

Field exploration services will include:

- Performing two (2) auger borings, each to a depth of 20 feet below existing grade (BEG), in the proposed underground storm pipe/French drain area.
- Performing four (4) pavement cores, with 5-foot deep auger borings to be performed subsequent to the coring. The cores will be located on approximate 300 to 500-foot centers within the project limits. The borings will be backfilled with soil cuttings and the core locations will be patched with cold patch asphalt upon completion of each boring. Temporary traffic control measures including signs and flaggers will be provided in order to complete the coring and boring operations.
- Obtaining one (1) bulk sample of the predominant subgrade strata encountered along the roadway alignment for Limerock Bearing Ratio (LBR) testing, for use in designing the pavement section for the widening of the existing roadway.
- Obtaining digital photographs of the existing pavement section at each core location to be included in the final report as supporting documentation of pavement conditions that will be discussed in the body of the report.
- Measuring thicknesses of both the asphaltic concrete and underlying base materials encountered at the core locations.

Laboratory classification and index property tests will be performed, as necessary, on selected soil samples obtained from the exploration. The testing will be performed to better define the soils encountered by the field exploration, and to determine the soils' strength/compressibility characteristics and suitability for use in the proposed construction. In addition, Limerock Bearing Ratio (LBR) testing will be performed in accordance with FM 5-515 on a sample of the predominant subgrade soil stratum from the area of the proposed widening along the roadway alignment.

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

- A brief discussion of the engineer's understanding of the planned construction
- A presentation of the field and laboratory test procedures used and the data obtained

- A presentation of the existing on-site conditions, such as observed topography, surface vegetation, etc., as they relate to the planned construction
- A presentation of the subsurface conditions including boring logs, estimated seasonal high groundwater, and estimated geotechnical engineering properties (as necessary)
- A geotechnical engineering evaluation of the site and subsurface conditions with respect to the planned construction
- Recommendations for the required site preparation and earthwork construction
- Recommendations for flexible pavement sections
- Hydrogeologic design parameters, including remolded laboratory permeability test data or field permeability test data as required, for use in the design of the stormwater management system.

## 2. Design and Permitting

### a. Design and Construction Documents

Consultant to complete design of the following items and prepare three plan submittals for County review:

- **Roadway Design** – Consultant will design dual left turn lanes and shift the through lane and right turn lane to the south. Sidewalks, curb and gutter will be constructed along the eastbound through lane. The existing lanes will be milled and resurfaced for the entire project limits. A concrete traffic separator will be constructed for the dual left turn lanes at the Beal Parkway intersection. Right of way impacts and temporary construction easements will be identified on the plans.
- **Drainage Design** – Consultant will analyze and design the proposed drainage required for the roadway improvements. The roadway runoff along the south side of Carmel Drive will be collected and conveyed to a French drain system that will retain some of the stormwater before allowing the runoff to continue to flow offsite or into the FDOT storm drain system. Drainage calculations and gutter spread will be evaluated as part of this design.
- **Traffic Control** – Consultant will prepare traffic control plans and details for construction activities within the project limits. Existing lanes of traffic should be maintained during construction. The Consultant will coordinate closely with the County regarding construction phasing and schedule.
- **Utility Coordination** – Consultant will review existing utilities within the project limits; determine potential impacts; and coordinate with utility agencies based on impacts, concerns, or potential construction conflicts. Consultant will distribute plans to the utility agencies to confirm required disposition of each facility. Consultant will attend a utility coordination meeting after the 60% construction plan submittal to the County.
- **Signalization** – Panhandle Engineering & Construction Services (PECS) will assist the Consultant and update the existing signal plan with new a signal head arrangement. Existing mast arm structural calculations will be performed to determine if the existing mast arm

wind and dead load capacity structurally meets FDOT requirements. PECS will design vehicle detection and clearance timing for Carmel Drive. Turn lane queue lengths will be based on FDOT Design Manual. Traffic counts or modeling will not be provided as part of this project.

**Signing and Pavement Markings** – Consultant will prepare signing and pavement marking plans in accordance with MUTCD, FDOT, and County standards. Any existing signs or striping that are in conflict or impacted by construction activities will be removed and/or relocated as needed. Carmel Drive and turning movements onto Beal Parkway will be restriped to clearly define the traffic movements.

Consultant to prepare 60% plans, in addition to 90% and final construction documents (plans and specifications) in accordance with applicable County and FDOT codes and standards. Consultant will prepare signed and sealed 11" x 17" construction plans for the project. The plans shall include a key sheet, general notes, project layout, plan and profile views, drainage structures, cross sections, signing and pavement markings, traffic control, signalization, and miscellaneous detail sheets. Review meetings to be held with County following the 60% and 90% submittals. OPCC references will be provided at each of the three submittals; refer to OPCC Note\*.

Consultant to perform ongoing coordination and project management activities among County, design team disciplines, subconsultants, and permitting agency personnel. Consultant to provide monthly status reports and document outcomes of critical meetings and project milestones.

**b. Permitting Assistance**

Consultant to coordinate among permitting agencies to submit documentation and facilitate permit issuance prior to construction. Consultant will prepare and submit required documentation to NWFWMD and FDOT for the proposed improvements. A NWFWMD exemption is anticipated for the sidewalk and turn lane addition. However, an application meeting will be held with NWFWMD, and a formal exemption will be submitted. FDOT permitting will be required for the roadway and signal improvements. The County is responsible to pay all permitting fees.

**Project Deliverables**

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- Construction Documents – Plans (60%, 90%, Final) and Specifications (90% and Final)
- Opinion of Probable Construction Cost (60%, 90%, Final)
- Report of Geotechnical Exploration
- Permit Coordination and Documentation
- Meetings
  - Design/Review Meetings (3)
  - Stakeholder/Agency Meetings (4)

**Anticipated Schedule**

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It is anticipated that the project data collection and design will be completed within the following timeframe:

- Data Collection: 30 working days after NTP

- 60% Design/Plans: 60 working days after Data Collection completion
- 90% Design/Plans: 45 working days after 60% submittal County review period
- Final Plans: 20 working days after 90% submittal County review period

#### **Compensation**

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We propose a lump sum fee of \$241,196.41 for the services and deliverables described herein. Please refer to the attached fee schedule for staff hour breakdown.

#### **Proposal Conditions and Assumptions**

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The following items are excluded from the scope of work:

- Tree survey
- Subsurface utility exploration
- Public involvement
- Property acquisition support
- Permit fees
- Bid and construction phase services
- Construction engineering inspection (CEI)
- Additional services not outlined in the scope

\*OPCC Note: Mott MacDonald does not guarantee that proposals, bids, or actual costs will not vary from the prepared opinion of probable construction cost. Mott MacDonald does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions. Therefore, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, have been made on the basis of Mott MacDonald's experience and represent the judgment of experienced and qualified professionals, familiar with the industry.

In addition, some work included in the opinion of probable construction costs and schedule may include material or products from areas impacted by the supply chain issues, natural disasters, or war/conflict. In addition, actions by Governments or Local Authorities resulting in labor disruptions in order to reduce the effects of a pandemic may occur while this project is under construction. The opinion of probable construction costs and schedule do not account for and specifically exclude any cost increases, disruptions or delays to the procurement or supply of such materials, or work disruptions caused by the current coronavirus or COVID-19 outbreak, natural disasters, or war/conflict.



State of Florida

# Office of Management & Budget

DATE: January 03, 2023

SUBJECT: Budget Transfer – Half Cent Sales Tax Fund  
BT-23-014

TO: Board of County Commissioners  
Finance Director

Transfer From	Department	Account	Amount
Reserve - Future Capital Outlay	3399	599300	\$250,000
Transfer To	Department	Account	Amount
Sales Tax Stormwater Project (ST000010)	3301	563001	\$250,000

Faye Douglas

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Douglas  
Date: 2022.12.15 14:28:59  
-06'00'

Reviewed by:  
Faye Douglas, Office of Management and Budget Director

**Reference:** Transfer from Reserves \$250,000 to Surtax Project ST000010 – Carmel Drive & Beal Pkwy Intersection Improvements for Design Task Order #16 under contract C19-2747-PW.

Okaloosa County Administration Building  
1250 N Eglin Parkway, Suite 102  
Shalimar, Florida 32579  
(850) 651-7643