

INDIVIDUAL PROJECT ORDER NUMBER 6

Describing a specific agreement between Kimley-Horn and Associates, Inc. (ENGINEER), and Sumter County Board of County Commissioners (BOARD) in accordance with the terms of the Master Agreement for Continuing Professional Services dated September 22, 2020, which is incorporated herein by reference.

Identification of Project:

Project: CR 466 & CR 475 Intermediate Improvements

Client: Sumter County Board of County Commissioners

Project Understanding:

The Project consists of providing engineering design services associated with the intermediate improvements at the intersection of CR 466 and CR 475 in Sumter County per the Intersection Traffic Study for CR 466 at CR 475, prepared by Traffic Engineering Data Solutions, Inc., dated October 2020 (see Exhibit A). The engineering design component will also include survey, geotechnical, environmental, and permitting services.

Specific Scope of Basic Services:

Task 1 – Surveying and Mapping Services

The ENGINEER will perform a topographic survey to support the design of the subject project. Specifically, the ENGINEER will perform the following as part of this Task:

- A. Perform a topographic survey encompassing all above ground visible improvements within the project area.
- B. Horizontal & vertical data will meet or exceed Standards of Practice as set forth by the Florida Administrative Code in Rule 5J.
- C. Contours will be collected on a 100' grid.
- D. Spot elevation data will be interpolated to depict one-foot contour intervals and will be shown on the survey.
- E. Collect invert data for storm sewer structures.

Task 2 – Geotechnical Explorations

The ENGINEER will provide geotechnical investigations needed for the project. Our geotechnical scope of services for this project will consist of the following:

- A. Perform two borings to a depth of 10 feet within the proposed roadway pavement area.
- B. The boring will be reviewed to identify each soil type encountered along with horizontal and vertical permeability tests, fillable porosity tests and measurements of groundwater level and seasonal high-water level estimates.
- C. All data collected during the field and laboratory services will be reviewed by a professional engineer and assembled into a report to document findings and professional opinions.

Task 3 – Environmental Services – Optional Service

The ENGINEER may need to provide environmental services for the project if the SWFWMD requires it. Our environmental scope of services for this project will consist of the following:

A. Environmental Assessment

A field survey will be performed at the project site to review the occurrence or likelihood of occurrence of wildlife and plants listed for protection under provisions of the Endangered Species Act (ESA) of 1973, as amended (ESA 1973-1988) and wildlife species listed for protection under provisions for the Florida Rule (Chapter 68A-27, F.A.C.) (FWC 2017) (Listed Species) known to occur within Sumter County, Florida.

During the field survey, the site will be reviewed for wetland areas or surface waters that may be considered jurisdictional by Sumter County (pursuant to the Land Development Code), Southwest Florida Water Management District (SWFWMD), Florida Department of Environmental Protection (FDEP), Department of the Army Corps of Engineers (ACOE) and/or Sumter County.

The deliverable of this task will include report of findings (including supporting figures and tables) with an assessment of management options/permitting for listed species and jurisdictional wetlands and potential mitigation.

Note that this environmental scope excludes the following:

- Delineation of observed wetland areas.
- Permitting or environmental permitting support with any agency.

Should these excluded services be required, a separate scope and fee will be provided.

Task 4 – Roadway Design

This task will include the following design, analysis, and coordination components.

- A. The ENGINEER will prepare design plans on 11"x17" sheets depicting the proposed roadway and stormwater improvements.

The design plans will be prepared in accordance with the Sumter County Engineering Manual (SCEM) and applicable Land Development Code standards, Florida Greenbook 2016 Edition, as well as the applicable FDOT Standard Plans for Road Construction and the applicable FDOT Standard Specifications for Road & Bridge Construction. The design plans will consist of the following sheets:

- 1) Cover Sheet.
- 2) General Notes.
- 3) Typical Section – Typical section will be developed to illustrate the proposed roadway improvements. A pavement design analysis will be performed based on findings documented in the geotechnical report. The proposed pavement section will be documented on the typical section sheet.
- 4) Roadway Plan and Profile Sheet – This sheet will illustrate the horizontal and vertical construction details associated with the roadway improvements.

The ENGINEER will coordinate the proposed design with affected utility companies to minimize utility conflicts. The individual utility owners will designate their existing utilities within the project limits. Based on information provided by the various utility providers in the corridor and existing utility alignments, proposed utility adjustments will be detailed in plan view on this sheet as necessary.

- 5) Cross Sections – Roadway cross sections will be developed and shown on this sheet.
- 6) Temporary Traffic Control Notes – Temporary Traffic Control (TTC) requirements for the

construction of this project will be provided using general notes and reference to the FDOT Standard Plans for Road Construction (102-600 Series).

- 7) Erosion Control / SWPPP Plans – Erosion control plans will be prepared depicting site specific erosion control measures, as well as general notes, details, and specifications for additional erosion control measures that may be needed depending on site conditions. It is assumed that these plans will constitute the Storm Water Pollution Prevention Plan (SWPPP) that the contractor will utilize during construction.
- 8) Signing and Pavement Marking Plan Sheet – Signing and pavement marking plan sheet and a General Notes sheet will be provided.
- 9) Submittals – The ENGINEER will submit up to three (3) copies of the design plans at the 60% stage and the Final submittal stage to the BOARD. In addition, the ENGINEER will submit the design plans at 60% and Final stages to affected utility companies. An electronic copy of all design files will be provided to the BOARD with the Final submittal.
- 10) Quantities – The ENGINEER will develop quantities consistent with BOARD preferences and prepare an Opinion of Probable Construction Costs (OPC) document. An OPC with quantities will be submitted with the 60% and Final plans.
 - i. *Note: The ENGINEER has no control over the cost of labor, materials, equipment, over the Contractor's methods of determining prices, over competitive bidding, or market conditions. Opinions of probable costs provided in accordance with this AGREEMENT are based on the information known at the time the opinions of cost are developed and represent only the ENGINEER's judgment as a design professional familiar with the construction industry. Actual costs for proposals, bids, or actual construction costs will be different.*

Task 5 – Drainage Analysis and Permitting

The stormwater system will be designed to meet minimum permit requirements of SWFWMD and Sumter County.

Permitting associated with the subject improvements will be required through the following agencies:

- A. SWFWMD Environmental Resource Permit (ERP).

The ENGINEER will prepare for and attend a pre-application meeting with SWFWMD staff to confirm what type of submittal this project will consist of.

If required, the ENGINEER will prepare the application for this permit and coordinate with SWFWMD. Up to two RAI's will be responded to if necessary.

- B. Sumter County Construction Plan Review – 60% Plans Review with Sumter County Public Works Department.

Task 6 – Permit Application Fee Allowance

Under this task, ENGINEER will provide payment of application fees to the permitting agencies identified in the Scope of Services, and invoice to the BOARD for those amounts as a direct expense on the following monthly invoice.

Schedule:

Field survey and geotechnical exploration services will be completed within 3 calendar weeks of written notice to proceed. The design and permitting tasks will be completed within a mutually agreeable schedule.

Additional Services if Required:

Services requested that are not specifically included in this Agreement will be provided under a new and separate task order agreement or can be performed on an hourly basis upon written authorization.


Method of Compensation:

The ENGINEER will perform the services described in Tasks 1 through 6 of the Scope of Services for a lump sum fee of **\$36,205.00**. A breakdown by Task is provided below and in the attached Table A.

Task	Description	Fee
1	Surveying and Mapping Services	\$6,265.00
2	Geotechnical Explorations	\$1,720.00
3	Environmental Services – Optional Service	\$2,260.00
4	Roadway Design	\$16,920.00
5	Drainage Analysis and Permitting	\$6,540.00 *
6	Permitting Application Fee Allowance	\$2,500.00
<p><i>* If it is determined that this project is exempt from SWFWMD ERP permitting, portions of Task 5 can be eliminated.</i></p>		

Services provided under this will be invoiced monthly. All invoices will include a description of services provided.

KIMLEY-HORN AND ASSOCIATES, INC.

BY: 
Richard V. Busche, PE

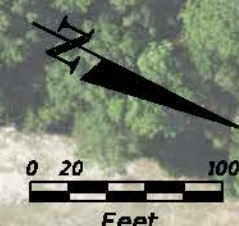
TITLE: Sr. Vice President

DATE: March 15, 2021

EXHIBIT A

SHORT-TERM IMPROVEMENTS

INTERMEDIATE IMPROVEMENTS



Realign vertically the yield sign located adjacent to the eastbound right-turn lane.

Refresh the edge of pavement line markings along the eastbound right-turn lane.

Adjust vertically the stop ahead sign towards the stopped westbound through lane approach to meet the minimum 7-foot height requirement.

In lieu of refreshing pavement markings on the eastbound left-turn lane approach, realign the eastbound left-turn lane at a 90-degree angle to CR 475, beginning at a point 200 feet west of CR 475, and include the appropriate signage (R1-1, R4-7c, and R5-1) and pavement markings.

Re-stabilize the northern edge of pavement and the adjacent shoulder area along the southbound right-turn lane/curve.

Refresh the existing stop bar, the double yellow line, and the edge of pavement line markings at the eastbound left-turn lane approach.

LEGEND

NEW ASPHALT PAVEMENT

CR 466 AT CR 475
SUMTER COUNTY - FLORIDA

- Utility Pole
- Traffic Sign
- Luminaire

- Symbols:
- Traffic Controller Cabinet
 - Ditch Bottom Inlet

- Signal Pole
- Pedestrian Signal Pole
- Flexible Delineator

Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive
Dunbar, FL 32713
Phone: 386.753.0538
Fax: 386.753.0778

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FIGURE 7
SHORT-TERM AND INTERMEDIATE
IMPROVEMENT DIAGRAM



**TABLE A
FEE ESTIMATE FOR PROFESSIONAL SERVICES**

PROJECT: CR 466 AND CR 475 INTERMEDIATE IMPROVEMENTS	FILE NO.
CLIENT: BOARD OF SUMTER COUNTY COMMISSIONERS	DATE: 3/15/2021
KHA PM: MOHAMMAD ANSARI, P.E.	
BASIS FOR ESTIMATE: APPROVED RATES PER RFQ 030-0-2020/RS	

TASK NO.	DESCRIPTION	DIRECT LABOR (MAN-HOURS)							LABOR HOURS	SUB (\$)	LABOR TOTAL
		Principal Engineer	Sr. Engineer Project Manager	Project Engineer	Senior Designer	CAD Draftsperson	Support Staff				
		\$ 225.00	\$ 195.00	\$ 135.00	\$ 130.00	\$ 85.00	\$ 70.00				
1	SURVEYING AND MAPPING SERVICES		1.0	2.0	1.0			1.0	5.0	\$ 5,600	\$ 6,265
2	GEOTECHNICAL EXPLORATIONS		1.0	2.0				1.0	4.0	\$ 1,185	\$ 1,720
3	ENVIRONMENTAL SERVICES - OPTIONAL SERVICE		2.0					1.0	3.0	\$ 1,800	\$ 2,260
4	ROADWAY DESIGN	4.0	22.0	50.0	10.0	40.0		4.0	130.0		\$ 16,920
5	DRAINAGE ANALYSIS AND PERMITTING		12.0	24.0		8.0		4.0	48.0		\$ 6,540
6	PERMIT APPLICATION FEE ALLOWANCE								0.0	\$ 2,500	\$ 2,500
TOTALS		4.0	38.0	78.0	11.0	48.0		11.0	190.0		\$ 36,205.00