



CONTRACT# ENG 201895 ²¹⁰⁸⁹⁵

CITY OF OCALA CONTINUING PROFESSIONAL SERVICES CONTRACT WORK ORDER

WORK ORDER NUMBER # 21

Contracting Officer
Approval/Initials

EFFECTIVE DATE: 10/06/2022

Project Title: Design Traffic Report - NW/SW 44 Avenue at SR 40

To: *Kimley-Horn and Associates*
101 East Silver Springs Blvd
Ocala, FL 34471

Vendor # 1530

Attn: *Amber L. Gartner, P.E.*

FUNDING SOURCE: Professional Services

EXPENDITURE
ACCOUNT NUMBER:

001-020-201-541-54-31010

In accordance with **your proposal 2022-12: (Design Traffic Report - NW/SW 44 Avenue at SR 40)**, you are hereby authorized to commence the work outlined in the attached scope of work. The approved work order amount as a maximum limiting amount shall not to exceed **\$ 18,554.04** .

Requested By: *Sam Travis* Date: 10/6/2022
Department Director

Approved By: *Kenneth Lubbock* Date: 10-7-22
Deputy/Assistant City Manager



INDIVIDUAL PROJECT ORDER NUMBER 2022-12

Describing a specific Agreement between Kimley-Horn and Associates, Inc. (Kimley-Horn), and The City of Ocala (the City) in accordance with the terms of the Master Agreement for Continuing Professional Services dated 9/25/2022 which is incorporated herein by reference.

Identification of Project:

Project: Design Traffic Report – NW/SW 44th Avenue at SR 40

Client: City of Ocala

Project Manager: Amber L. Gartner, P.E.

General Category of Services:

1. The Client is developing construction plans for the extension of NW/SW 44th Avenue from US 27 south to SR 200.
2. The NW/SW 44th Avenue Extension will include a new intersection at SR 40.
3. The Client has requested that a design traffic report be prepared to support discussions with FDOT on the recommended design and traffic control for the intersection.

SCOPE OF SERVICES

Task 1 – Design Traffic Analysis

Kimley-Horn will prepare a design traffic memorandum for the project. The following tasks will be performed:

- A. Kimley-Horn will obtain existing traffic data from Marion County and Florida Department of Transportation (FDOT) adjacent to the intersection.
- B. Kimley-Horn will develop Average Daily Traffic (ADT) projections at the intersection using the Central Florida Regional Planning Model (CFRPM) v7 transportation model as a base. CFRPM model runs will be performed for year 2025 and 2045.
 - 1) The traffic analysis zones along NW/SW 44th Avenue between SR 200 and US 27 will be reviewed for consistency with current and approved development and expected development growth within the 2045 design year. Kimley-Horn will coordinate with the City to receive approval on the development assumptions to incorporate into the CFRPM modeling effort for years 2025 and 2045.
- C. Kimley-Horn will identify design traffic factors for use in the traffic projections for the intersection.
- D. Kimley-Horn will utilize average daily traffic (ADT) projections from the model output, traffic factors, initial percent turns assumptions and volume balancing to develop and Design Hour Volume projections (DHV) for the opening year (2025), ten years (2035) and twenty years (2045) from opening the new facility. The DHV will be developed for the AM and PM peak hours.
- E. Kimley-Horn will perform intersection capacity analyses of the intersection for opening year conditions and design year conditions during the AM and PM peak hours.
 - 1) Intersection geometry (turn bays and turn bay lengths) and control (traffic signal, stop-control) that optimizes traffic conditions will be provided for the intersection for opening year and design year traffic conditions.

- F. Kimley-Horn will perform a Stage 1 Intersection Control Evaluation (ICE) analysis including completion of CAP-X and SPICE forms published by FDOT.

Note: This task assumes that only a Stage 1 ICE analysis will be required by FDOT. If a Stage 2 or Stage 3 ICE analysis is required, these tasks can be performed as an amendment to this Agreement.

- G. Kimley-Horn will prepare a draft design traffic technical memorandum documenting results and recommendations from the design traffic analysis. The draft technical memorandum will be submitted to the City of Ocala and FDOT for review and approval.
- H. Kimley-Horn will discuss the finding and recommendations of the design traffic analysis with the City of Ocala and FDOT staff and respond to requests for additional information.
- I. Kimley-Horn will prepare a Final design traffic technical memorandum that incorporates comments from the review agencies.

ADDITIONAL SERVICES

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

SCHEDULE

Kimley-Horn will begin services upon receipt of an executed IPO. The above services will be provided as expeditiously as practicable to meet a mutually agreed upon schedule.

FEE AND EXPENSE

Kimley-Horn will perform the Scope of Services in Task 1 for a lump sum fee of \$18,554.04. All permitting, application, and similar project fees will be paid directly by the City. A breakdown of the fee per task is provided in the Attached Table A.


Attachments: Table A

ACCEPTED:

THE CITY OF OCALA, FLORIDA

KIMLEY-HORN AND ASSOCIATES, INC.

BY: 

BY: 
Amber L. Gartner, P.E.

TITLE: _____

TITLE: Assistant Secretary

DATE: _____

DATE: August 22, 2022



**TABLE A
COST ESTIMATE FOR SERVICES**

PROJECT: NWSW 44TH AVENUE AT SR 40 DESIGN TRAFFIC REPORT

CLIENT: CITY OF OCALA

KHA PM: AMBER L. GARTNER, PE

BASIS FOR ESTIMATE: COUNCIL-APPROVED HOURLY RATES, CONTRACT #ENG/210895

SHEET: 1 of 1

DATE: 8/19/2022

NO.	DESCRIPTION	DIRECT LABOR (MAN-HOURS)							LABOR TOTAL
		Project Manager	Engineer	Engineering Intern	Secretary/Clerical	LABOR HOURS	SUB (\$)	LABOR TOTAL	
A-B	Traffic Data and Modeling	2	\$175.50	\$137.42	\$103.26	4	21.0	\$	2,924.06
C-D	Design Traffic Forecasts		4	10			14.0	\$	2,076.20
E	Intersection Evaluation and Recommendations	2	4	8			14.0	\$	2,251.08
F	Stage 1 ICE Analysis	2	8	25			35.0	\$	5,289.22
G-I	Reporting and Agency Coordination	10	5	15			38.0	\$	6,013.48
SUB TOTAL:								\$	18,554.04
GRAND TOTAL:								\$	18,554.04