

WORK ORDER 10
SED to Admin 144 Fiber Expansion Project

This Work Order Number 10 is entered into as of this ____ day of _____, _____, pursuant to that certain Continuing Contract Agreement, dated May 2, 2023 (referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Kimley-Horn and Associates, Inc. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the mutually agreed upon lump sum or maximum amount not-to-exceed professional fee. Any additional costs must be approved in writing, and at a rate not to exceed the prices set forth in Exhibit B (Rate Schedule) of the Agreement, made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit A (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:

By: _____

Print Name: Brian Good, P.E.

Title: Principal

**BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY**

By: _____
Susan Adams, Chairman

BCC Approval Date: _____

Attest: Ryan L. Butler, Clerk of Court and Comptroller

By: _____
Deputy Clerk

By: _____
John A. Titkanich, Jr., County Administrator

Approved as to form and legal sufficiency:

William K. DeBraal, County Attorney

EXHIBIT A – SCOPE OF WORK

The COUNTY desires to retain Consultant services to develop construction documents and obtain jurisdictional approvals to expand the COUNTY's fiber network facilities between the COUNTY Administrative Building on 27th Street and the intersection of US Highway 1 and Jackson Street in Sebastian, approximately 14.0 miles. The intended utility corridor will be proposed to follow the northern and western limits of the following roadway Rights-of-Way:

- 27th Avenue
- Aviation Boulevard
- Old Dixie Highway
- 53rd Street
- CR-510
- Indian River Boulevard
- US Highway 1
- Jackson Street

The COUNTY also desires to provide cross connection cabinets the intersections of 53rd Street and Old Dixie Highway, Indian River Boulevard and the Merrill P Barber Bridge, 87th Street and US Highway 1, and Jackson Street and US Highway 1. The Consultant will also provide plans to complete the segments of 96 strand fiber at the intersection of Indian River Boulevard and 53rd Street and Indian River Boulevard and the Merrill P Barber Bridge. A 24 strand drop connection will also be provided at the Indian River County Fire Station Number 5.

A. Fiber Infrastructure Plans:

The Consultant shall develop construction documents necessary to support the proposed improvements along the corridors identified above. The following outlines that tasks and submittals to be made:

Initial Plan Submittal:

The Consultant will create survey and raster-based plan sheets (11"x17", 40 scale) to facilitate delineation of the proposed fiber optic cable (FOC) infrastructure improvements. Existing right-of-way will be depicted using information collected during the Limited Topographic Survey Task. Existing franchise utility record and/ or as-built data will be requested from franchise utility providers operating within the project limits. This information will be depicted within the raster-based plan sheets.

The Consultant will conduct a field review to visually survey existing connection points, fiber optic pull/slack boxes, cabling and conduits, road geometry, existing utilities and other existing elements to delineate a recommended alignment. The Consultant will evaluate alternative routes such that the proposed fiber conduit installation be evaluated to determine an efficient alignment/ crossing design. The Consultant will provide an opinion of

probable construction cost based upon the improvements delineated within the Initial Plan Submittal.

Constructability Plan Submittal:

The Consultant will review, and address COUNTY provided comments based upon the Initial Plan Submittal. The Consultant will meet with the COUNTY to discuss comments and refine the design. The Consultant will incorporate supplemental topographic survey data collected in specific locations to assist in delineating the proposed improvements or to convey additional information required to support the proposed improvements. Concurrently with the Constructability Plan Submittal to the COUNTY, the Consultant will submit jurisdictional permit applications. The Consultant will provide an opinion of probable construction cost based upon the improvements delineated within the Constructability Plan Submittal.

Production Plan Submittal:

The Consultant will review, and address COUNTY and jurisdictional agency provided comments based upon the Constructability Plan Submittal and permit applications. The Consultant will meet with the COUNTY to discuss comments and refine the design. If necessary, the Consultant will incorporate supplemental topographic survey data collected in specific locations to assist in delineating the proposed improvements or to convey additional information required to support the proposed improvements. Prior to submitting the Production Plan Submittal, the Consultant will work with the COUNTY and jurisdictional agency to facilitate permit issuance. Concurrently with the Production Plan Submittal to the COUNTY, the Consultant develop necessary technical specifications to support the proposed improvements. The Consultant will provide an opinion of probable construction cost based upon the improvements delineated within the Production Plan Submittal.

B. Limited Topographic Survey:

The Consultant shall provide limited topographic survey services necessary to support and facilitate contemplated design and permitting activities associated with this project. This task will consist of the preparation of digital base map topographic surveys in accordance with the Florida Minimum Technical Standards set forth by the Florida Board of Professional Surveyors in Chapter 61G17-6, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes. The survey will include:

1. Establishment of a project wide Horizontal Control Network within the PROJECT LIMITS.
2. Establishment of a project wide Vertical Control Network within the PROJECT LIMITS. All elevations will be referenced to NAVD 1988 datum.
3. Supplemental spot elevations and topographic feature information will be collected in sufficient detail to locate, design and construct the contemplated improvements.

C. Jurisdictional Permitting:

The Consultant will perform analysis necessary to prepare jurisdictional permits to support the above-described improvements with the following agencies:

- Indian River County Right-of-Way Use Permit
- Florida Department of Transportation Utility Permit
- Florida East Coast Railway Utility License
- Indian River Farms Water Control District Utility Construction Permit

All permit fees will be paid directly by the COUNTY and are not included in the lump sum fees.

D. Franchise Utility Coordination:

The Consultant will coordinate with franchise utility operators in the vicinity of the project such that the proposed construction activities can be developed to minimize impacts to existing utilities located within the project limits. Franchise utility adjustments, designed by the respective franchise utility operator, will be requested by the Consultant and reflected within the prepared construction documents.

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EXHIBIT B – FEE SCHEDULE

The COUNTY agrees to pay and the Consultant agrees to accept for services rendered pursuant to this Agreement fees inclusive of expenses in accordance with the following:

A. Professional Services Fee

The basic compensation mutually agreed upon by the Consultant and the COUNTY is as follows:

Lump Sum Components

<u>Task</u>	<u>Labor Fee</u>
Fiber Infrastructure Plans	\$ 258,160
Limited Topographic Survey	\$ 115,000
Jurisdictional Permitting	\$ 62,800
Franchise Utility Coordination	\$ 43,580
Total Project	<u>\$ 479,540</u>

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EXHIBIT C – TIME SCHEDULE

Upon authorization to proceed by the COUNTY, final design documents are expected to take approximately ten (10) months from the Notice to Proceed (NTP).

NTP	contingent upon BOCC approval
Initial Submittal (40% Design Drawings)	6 months following NTP
Constructability Submittal (80% Design Drawings)	8 months following NTP
Production Submittal (100% Design Drawings)	10 months following NTP

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Summary

Project Name

Task Summary

SED to Admin 144 Fiber Infrastructure Expansion

Manhours for project

<i>Task</i>	<i>Principle</i>	<i>Senior Professional</i>	<i>Registered Professional</i>	<i>Professional II</i>	<i>Professional I</i>	<i>Support Staff</i>	<i>Remarks</i>
	\$300	\$270	\$210	\$160	\$130	\$75	
Design Analysis	32	56	20	96	0	16	
Fiber Infrastructure Plans	20	60	397	329	419	0	
Utility Coordination	8	20	40	68	120	12	
Permitting	20	40	136	0	88	80	
Total Hours =	80	176	593	493	627	108	
Labor Fee =	\$24,000	\$47,520	\$124,530	\$78,880	\$81,510	\$8,100	
Sub-Total Fee =	\$364,540						
Limited Topographic Survey Fee =	\$115,000						
Geotech Fee =	\$0						
Project Total Fee =	\$479,540						

Design Analysis

Activity: Design Analysis / Review

Task	Principle	Senior Professional	Registered Professional	Professional II	Professional I	Support Staff	Support Staff
Contract File	4					4	
Cost Estimate		32		32			Cost est. conducted at Constructability and Production submittals
Coordination							
IR County	24					12	Three review submittals to County
Field Review		24		24			Site Visits
Computation Book & Quantities			20	40			
QC/QA							
Project Management	4						
Subtotal	32	56	20	96	0	16	

Fiber Infrastructure Plans

Activity: Fiber Infrastructure Plans

Task	Principle	Senior Professional	Registered Professional	Professional II	Professional I	Support Staff	Clerical
Cover Sheet				2	4		
General Notes Sheet				3	6		1 sheet
Summary of Quantities Sheet			4	12	40		1 sheet
Horiz/Vert Control Sheet			2	6	12		
Typical Sections							
<i>Aviation Boulevard</i>			2	8	12		
<i>Old Dixie Highway</i>			2	8	12		
<i>US Highway 1</i>			2	8	12		
Plan Sheets							
<i>27th Street</i>		1	10	6	7		2 sheets @ 12 hrs/ sht
<i>Aviation Boulevard</i>		1	10	6	7		2 sheets @ 12 hrs/ sht
<i>Old Dixie Highway</i>		18	144	90	108		30 sheets @ 12 hrs/ sht
<i>53rd Street</i>		1	10	6	7		2 sheets @ 12 hrs/ sht
<i>CR-510</i>		1	5	3	4		1 sheets @ 12 hrs/ sht
<i>Indian River Boulevard</i>		1	10	6	7		2 sheets @ 12 hrs/ sht
<i>US Highway 1</i>		20	163	102	122		34 sheets @ 12 hrs/ sht
<i>Jackson Street</i>		1	5	3	4		1 sheets @ 12 hrs/ sht
Miscellaneous Const. Details			16	40	40		- includes HDD profiles
<i>Cross Connection Cabinet Sheets</i>		4	12	20	15		
QC/QA	20						
Project Management		12					
Subtotal	20	60	397	329	419	0	

Utilities

Activity: Utility Coordination

Task	Principle	Senior Professional	Registered Professional	Professional II	Professional I	Support Staff	Remarks
Ex. Utility Review		8	40	60	120	8	Coordination w/ Util Co.'s - Request as-built data
Franchise Utility Coordination Meeting		12		8		4	
QC/QA	4						
Project Management	4						
Subtotal	8	20	40	68	120	12	

Activity: Permitting

Task	Principle	Senior Professional	Registered Professional	Professional II	Professional I	Support Staff	Remarks
Pre-application Meetings							
IRC	4		8			4	
FDOT	4		8			4	
IRFWCD	4		8			4	
FEC	4		8			4	
Preliminary Exhibits for Permit					8		
Permit Package							
IRC			6			8	
FDOT			6			8	
IRFWCD			6			8	
FEC			6			8	
Request for Information							
IRC		10	20		20	8	
FDOT		10	20		20	8	
IRFWCD		10	20		20	8	
FEC		10	20		20	8	
Project Management	4						
Subtotal	20	40	136	0	88	80	