



INDIVIDUAL PROJECT ORDER NUMBER 54

Describing a Scope of Services between Kimley-Horn and Associates, Inc. (Kimley-Horn), and Board of Sumter County Commissioners (the County) in accordance with the terms of the Master Agreement for Continuing Professional Services dated September 22, 2020, last amended October 2022, which is incorporated herein by reference.

Identification of Project:

Project: Pike 75 Fire Flow Analysis

Client: Board of Sumter County Commissioners

Project Manager: Richard Busche, P.E.

Project Understanding:

Sumter County has been awarded a Duke Energy Foundation Economic Development Grant to evaluate the available fire flow within an industrial development area of the County known as the Pike 75 Industrial Park. Under this Task Order, Kimley-Horn will prepare an analysis estimating the available fire flow based on system modeling previously completed by the City of Wildwood.

Specific Scope of Basic Services:

Task 1 – Fire Flow Analysis

- A. Kimley-Horn will conduct a meeting with the County to identify the project area and to lay out the objectives for the analysis.
- B. Kimley-Horn will coordinate with the City of Wildwood to utilize their existing potable water master plan hydraulic model to perform the analysis. Kimley-Horn will make minor updates to the model if needed as part of this analysis.
- C. Kimley-Horn will conduct fire hydrant flow testing in the field near the location of the development area to obtain system flows and pressures. Kimley-Horn will utilize the results of the flow testing to calibrate the model if needed.
- D. Kimley-Horn will perform a steady state hydraulic analysis for the desired flows to the industrial area to determine what the maximum expected flow and pressure could be for a fire flow event.
- E. Kimley-Horn will prepare a technical memorandum summarizing our analysis and recommendations and provide it to the County for their use.

Additional Services, if Required

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



**TABLE A
FEE ESTIMATE FOR PROFESSIONAL SERVICES**

| | |
|---|-----------------|
| PROJECT: IPO 54 PIKE 75 FIRE FLOW ANALYSIS | FILE NO. |
| CLIENT: BOARD OF SUMTER COUNTY COMMISSIONERS | DATE: JUNE 2023 |
| KHA PM: RICHARD BUSCHE, P.E. | |
| BASIS FOR ESTIMATE: 2022 APPROVED RATES PER RFQ 030-0-2020/RS | |

| TASK NO. | DESCRIPTION | DIRECT LABOR (MAN-HOURS) | | | | | | | LABOR TOTAL |
|---------------|--------------------|--------------------------|------------------------------|------------------|--------------------|---------------|-------------|----------|--------------------|
| | | Principal Engineer | Sr. Engineer Project Manager | Project Engineer | Engineering Intern | Support Staff | LABOR HOURS | SUB (\$) | |
| | | \$252 | \$218 | \$151 | \$118 | \$78 | -- | -- | |
| 1 | FIRE FLOW ANALYSIS | 4 | 8 | 10 | 20 | 4 | | | \$ 6,934.00 |
| TOTALS | | 4 | 8 | 10 | 20 | 4 | 0 | 0 | \$ 6,934.00 |

Schedule

The scope of services will be completed within a mutually agreeable schedule.

Method of Compensation

Services under this IPO will be provided on a lump sum basis in accordance with the attached TABLE A. The total cost to complete this project is \$6,934.00.

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

Attachments: TABLE A

ACCEPTED: BOARD OF SUMTER COUNTY COMMISSIONERS KIMLEY-HORN AND ASSOCIATES, INC.

BY: [Signature]

BY: [Signature]
Richard V. Busche, P.E.

TITLE: County Administrator

TITLE: Senior Vice President

DATE: 6/15/2023

DATE: June 14, 2023