



Legislation Details (With Text)

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Title:	Engineering Services for Intelligent Transportation System Projects				

Attachments:

Date	Ver.	Action By	Action	Result
6/24/2024	1	City Council Business Meeting	Approve	Pass

Engineering Services for Intelligent Transportation System Projects

Action:

- A. Approve contracts for engineering services for Intelligent Transportation System projects for an initial term of three years with the following:**
 - **Exult Engineering, PC (SBE),**
 - **Kimley-Horn and Associates, Inc.,**
 - **STV Engineers, Inc.,**
 - **VHB Engineering NC, P.C., and**

- B. Authorize the City Manager to renew the contracts for up to two, one-year terms with possible price adjustments and amend the contracts consistent with the purpose for which the contracts were approved.**

Staff Resource(s):

Debbie Smith, Transportation
Charlie Jones, Transportation
Ashley Boenisch, Transportation

Explanation

- The Strategic Mobility Plan (SMP), adopted by Council in June 2022, outlines the mobility policies to achieve a safe, connected, equitable, sustainable, prosperous, and innovative transportation network for Charlotte.
- Intelligent Transportation Systems (ITS) projects are part of the implementation of the Charlotte Department of Transportation ITS Master Plan.
- The city continues to install fiber optic cable to support its growing communications system with almost 420 miles of fiber optic cable connecting over 950 traffic signals and 550 traffic management cameras.
- Fiber optic cabling, traffic signal interconnection, and video traffic management cameras provide the ability to remotely adjust traffic signals in response to traffic flow and emergency conditions.
- These services will vary and include conceptual planning, design preparation, utility coordination services, facilitation and investigation of grants, and construction administration/inspection.
- On February 26, 2024, the city issued a Request for Qualifications (RFQ); nine proposals were received.
- Exult Engineering, PC, Kimley-Horn and Associates, Inc., STV Engineers, Inc., and VHB Engineering NC, P.C. best meet the city's needs in terms of qualifications, experience, cost, and responsiveness to the RFQ requirements.
- Total expenditures over the five-year term are estimated to be \$7,700,000, including \$1,332,038

in grant funding.

Charlotte Business INclusion

The city negotiates subcontracting participation after the proposal selection process. On these contracts, the Prime Consultants have each committed 10% of the total contract amount to the following certified firm(s):

Exult Engineering, PC (SBE)

Exult Engineering, PC is a city SBE and will self-count its participation of 9.00% of the total contract amount toward the contract goal. Exult Engineering, PC has also committed 1.00% of the total contract amount to the following certified firm(s):

- John Davenport Engineering Inc. (MBE) (traffic and transportation engineering)

Kimley-Horn and Associates, Inc.

- Exult Engineering, PC (SBE) (traffic and transportation engineering)
- Hinde Engineering (SBE) (utility management)

STV Engineers, Inc

- Jarrett Engineering, PLLC (WBE, SBE) (utility management)

VHB Engineering NC, P.C.

- Exult Engineering, PC (SBE) (traffic and transportation engineering)
- Hinde Engineering (SBE) (utility management)

Small Professional Services Firm (SPSF) Opportunity

For Federal Highway Administration funded on-call contracts, NCDOT does not mandate a goal through the State's SPSF program.

Fiscal Note

Funding: General Capital Investment Plan and Carbon Reduction Program Discretionary Grant