



CITY OF HOUSTON - CITY COUNCIL

Meeting Date: 11/9/2022

ALL

Item Creation Date: 1/27/2022

HPW – 20PMO54 PES / KIMLEY-HORN AND ASSOCIATES, INC.

Agenda Item#: 55.

Summary:

ORDINANCE appropriating the sum of \$525,000.00 out of the Metro Projects Construction DDSRF and approving and authorizing a Professional Engineering Services Contract between the City of Houston and **KIMLEY-HORN AND ASSOCIATES, INC.** for Intelligent Transportation Systems (ITS); providing funding for CIP cost recovery relating to construction of facilities financed by the Metro Projects Construction DDSRF

Background:

SUBJECT: Professional Engineering Services Contract between the City and Kimley-Horn and Associates, Inc. for Intelligent Transportation Systems (ITS).

RECOMMENDATION: An ordinance approving a Professional Engineering Services Contract with Kimley-Horn and Associates, Inc. and appropriate funds.

PROJECT NOTICE/JUSTIFICATION: This project is part of the Public Works Traffic and Drainage Operations Program and is needed to meet the needs of future City of Houston design and safety standards and improve traffic mobility.

DESCRIPTION/SCOPE: The scope of this project is to develop an Intelligent Transportation Systems (ITS) Master Plan to guide and prioritize technology investments in the City's transportation network. ITS is defined as the integration of advanced technologies into transportation infrastructure to improve safety, efficiency, and mobility. ITS in the City of Houston currently includes Bluetooth devices, Ethernet switches / routers, fiber optic cables, CCTV cameras, mid-block counters, Dynamic Messaging Signs (DMS), enhanced detection devices, etc. Utilization of ITS enabled technologies aid in reducing stops and delays at intersections, communicating information, controlling speeds and reducing travel time. The creation of the ITS Master Plan will be a collaborative and engaging process led by the selected consulting engineer with the support of City and non-City stakeholders. The ITS Master Plan will document existing conditions, define unmet stakeholder needs and create a meaningful plan that guides future ITS investments by the City. The ITS Master Plan will focus on those ITS assets that improve the City's ability to manage, monitor, operate and maintain transportation operations in the City with a focus on safety for all modes of travel. City of Houston assets to be included in the ITS Master Plan will focus upon systems such as traffic signals, traffic management center, monitoring devices, detection devices, and overall, ITS communications/networks. Additionally, the plan will include addressing the City's needs for those systems as they relate to future changes associated with connected and automated vehicles.

LOCATION: The projects are located throughout the City of Houston.

SCOPE OF CONTRACT AND FEE: Under the scope of the Contract, the Consultant will perform Design Concept Services and Additional Services as defined by the work order. Design Concept Services and Additional Services fees will be negotiated on a reimbursable basis with a not-to-exceed agreed upon amount based on the scope of the work order.


The total requested appropriation is \$525,000.00 to be appropriated as follows: \$500,000.00 for contract services and \$25,000.00 for CIP Cost Recovery.

PAY OR PLAY PROGRAM: The proposed contract requires compliance with the City's 'Pay or Play' ordinance regarding health benefits for employees of City contractors. In this case, the Contractor provides health benefits to eligible employees in compliance with City policy.

M/WBE PARTICIPATION: The M/WBE goal for the project is set at 24.00%. The Consultant has proposed the following firms to achieve this goal.

<u>Name of Firms</u>	<u>Work Description</u>	<u>Amount</u>	<u>% of Contract</u>
1. Ally General Solutions, LLC	Engineering Support Services"	\$55,000.00	11.00%
2. Othon, Inc.	Intelligent Transportation Services	\$65,000.00	13.00%
TOTAL		\$120,000.00	24.00%

FISCAL NOTE: No significant Fiscal Operating Impact is anticipated as a result of this project.

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 1/1/2022
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Carol Ellinger Haddock, P.E., Director
 Houston Public Works

WBS No. N-321040-0047-3

Amount and Source of Funding:
 \$525,000.00 – Fund No. 4040 METRO Projects Construction – DDSRF

Contact Information:
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ATTACHMENTS:	
Description	Type
Signed Coversheet	Signed Cover sheet
SAP documents	Financial Information
Map	Backup Material
Pay or Play (POP 1-3)	Backup Material
Form B	Backup Material
OBO Documents	Backup Material
Ownership Form & Tax Document	Backup Material
Form 1295	Backup Material
Signed Ordinance	Ordinance/Resolution/Motion
Signed Contract	Contract/Exhibit