

Memorandum

To: Honorable Mayor and Members of the City Council
Administration and Public Works Committee

From: David Stoneback, Public Works Agency Director
Lara Biggs, P.E., Bureau Chief – Capital Planning / City Engineer
Rajeev Dahal, Senior Project Manager - Transportation

Subject: Emerson Street Traffic Signals Modernization Project (RFP 16-73)
Engineering Services Contract

Date: December 28, 2016

Recommended Action:

Staff recommends that City Council authorize the City Manager to execute a contract to provide design engineering services for the Emerson Street Traffic Signal Modernization Project with Terra Engineering, Ltd. (225 West Ohio Street, 4th Floor Chicago, IL 60654) in the amount of \$86,100.00.

Funding Source:

Funding will be provided from funds transferred to the CIP Fund as part of Ordinance 45-O-7 from the developer of the Planned Unit Development Located 1890 Maple Avenue and 1881 Oak Avenue (Account 415.40.4217.62145 – 417016). This project is budgeted at \$150,000 in FY 2017.

Livability Benefits:

Built Environment: Enhance public spaces; Provide compact and complete streets and neighborhoods

Health & Safety: Improve emergency prevention and response

Background:

Emerson Street is an arterial street adjacent to residential and commercial areas and is under the jurisdiction of the City of Evanston. The roadway system is multi-modal in nature with considerable pedestrian, bicycle, and transit services activity, and Emerson Street is a designated truck route. Because of the age of the existing traffic signal infrastructure, staff is unable to locate replacement parts for the controllers, which experience significant maintenance issues. Traffic volume on Emerson Street east of Green Bay Road will increase with the completion of the currently ongoing Emerson/Ridge/Green Bay intersection and Green Bay Road corridor improvement

project, as left turns will now be allowed from south bound Green Bay Road onto east bound Emerson Street.

The project involves signal modernization and fiber interconnection of three signals at Emerson Street/Maple Avenue, Emerson Street/Elgin Road, and Elgin Road/Benson Avenue. It also involves signal modernization of one signal at Emerson Street/Dodge Avenue and eventually coordination with the signals on Emerson Street at Ridge Avenue, Green Bay Road and Asbury Avenue. A location map is attached for reference.

The project will include the replacement of outdated controllers, new mast arm poles, traffic signal equipment, installation of loop detectors and fiber optic interconnect system and LED signal heads per IDOT standards and the addition of traffic signal emergency vehicle preemption devices. Pedestrian countdown signals, including audible pedestrian signals, will also be added at the intersections to improve the safety of pedestrians. The existing on-street parking will be maintained. Phase I and Phase II Engineering will be funded through the City's capital improvement funds, and staff will seek federal Congestion Mitigation & Air Quality funding for construction.

The scope of work for this project includes data collection; traffic capacity analysis and simulation; submittal for CMAQ construction funding by mid February 2017, recommendation of options to address needs of all users; obtaining Phase I Design Approval from IDOT by May 2017; coordinating with stakeholders including property owners abutting the project and known private utilities (such as ComEd, Nicor, AT&T); and preparing construction plans, specifications and cost estimates.

Analysis:

On November 10, 2016, the City issued a Request for Proposal (RFP) for the above consultant services. The RFP was advertised on Demandstar and in the Pioneer Press. A non-mandatory pre-proposal meeting was held on November 17, 2016. On December 6, 2016, eight proposals were received from the following consulting firms:

Consultant	Address	Proposal Cost
Accurate Group	101 Schelster Road, Suite B200 Lincolnshire, IL 60069	\$126,108.30
Christopher Burke Engineering	9575 W. Higgins Road, Suite 600 Rosemont, IL 60018	\$116,449.62
Civiltech Engineering, Inc.	Two Pierce Place, Suite 1400 Itasca, IL 60143	\$161,872.03
Hampton, Lenzini & Renwick, Inc.	380 Shepard Drive Elgin, IL 60123	\$134,987.38
Terra Engineering, Ltd.	225 West Ohio Street, 4 th Floor Chicago, IL 60654	\$86,100.00
Thomas Engineering Group	55 West 22 nd Street, Suite 300 Lombard, IL 60148	\$135,969.33
T.Y. Lin International, Inc.	200 South Wacker Dr., Suite 1400 Chicago, IL 60606	\$203,190.54
Sam Schwartz Engineering	1000 W. Irving Park Rd., Suite 130 Itasca, IL 60143	\$204,242.00

A selection committee consisting of the following members reviewed the proposals and scored the firms for project selection:

- Lara Biggs – Bureau Chief Capital Planning & Engineering/ City Engineer
- Rajeev Dahal – Senior Project Manager, Transportation
- Sat Nagar, P.E. – Senior Project Manager, Streets & Right-of-Way
- Tom Twigg - Traffic Operations Supervisor
- JacQuera Calvert – Purchasing Specialist

The proposals were rated and an interview was conducted with the top firm. Including information from the interview, the final scoring of the proposals is as follows:

Firm	Firm Relevant Qualifications	Staff Relevant Qualifications	Price	Project Approach	Organization and Completeness of Proposal	M/W/EBE	Willingness to Execute Agreement	Total
	10%	15%	20%	25%	10%	10%	10%	100%
Terra Engineering	10	13	20	24	9	10	10	96
Christopher Burke Engineering	10	14	17	22	10	8	10	91
Civiltech Engineering	10	13	13	23	9	10	10	88
Thomas Engineering Group	10	13	15	20	9	10	10	87
Hampton, Lenzini & Renwick	9	11	15	22	10	10	10	87
T.Y. Lin International	9	13	9	21	8	10	10	80
Sam Schwartz Engineering	8	11	9	20	9	10	10	77
Accurate Group	5	10	16	17	9	10	10	77

Terra Engineering was selected as the best candidate to provide the specified engineering services. They demonstrated the best understanding of the project issues. They also have experience working with the City of Evanston and IDOT, and their work has been satisfactory on previous projects. Terra Engineering is proposing to comply with the City’s M/W/EBE goals. A memo reviewing their compliance is attached.

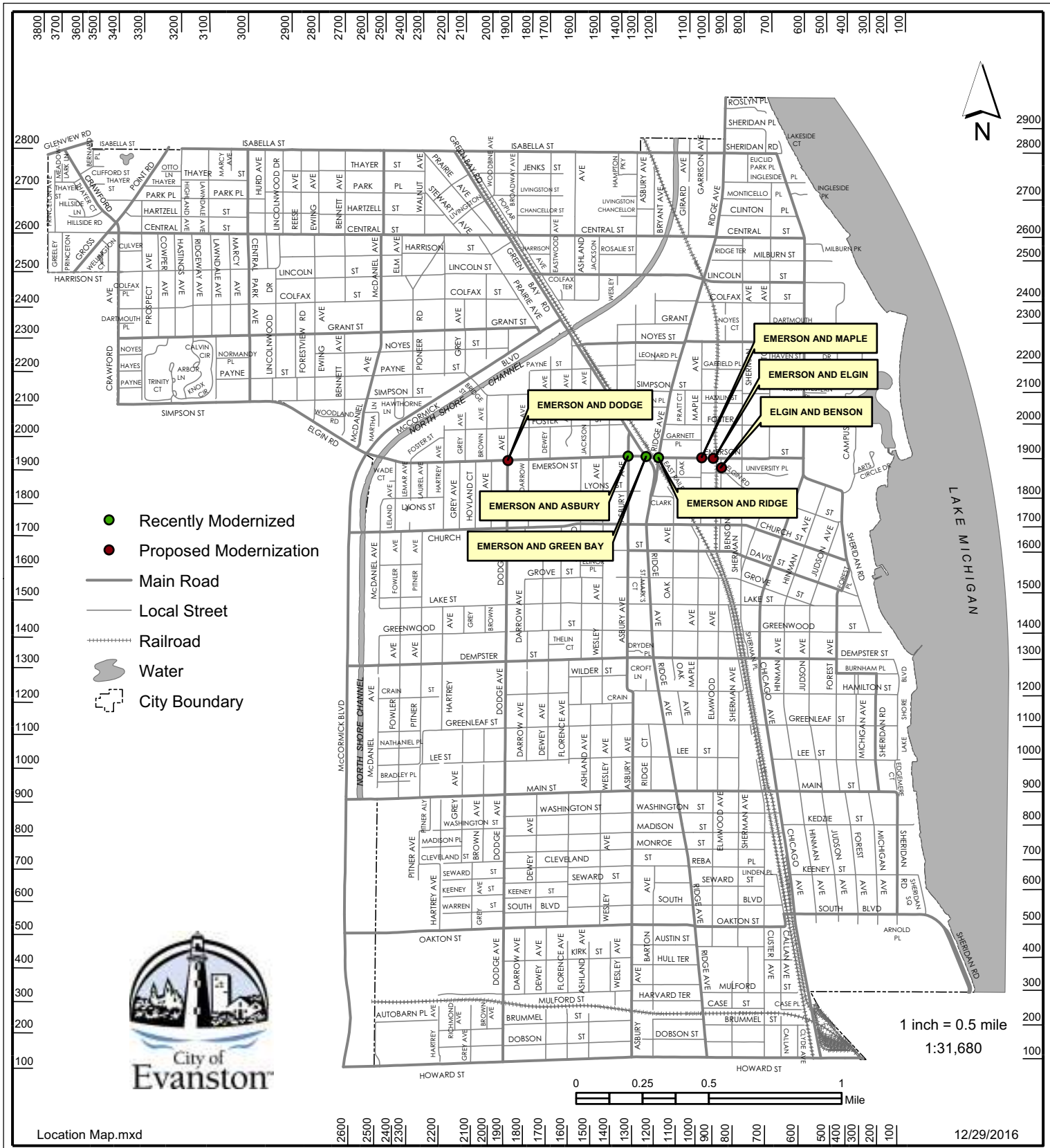
Attachments:

Project Location Map

M/W/EBE Participation Review Memo

CITY OF EVANSTON

EMERSON STREET SIGNAL INTERCONNECT PROJECT



This map is provided "as is" without warranties of any kind. See www.cityofevanston.org/mapdisclaimers.html for more information.



Memorandum

To: David Stoneback, Public Work Agency Director
 Lara Biggs, Bureau Chief – Capital Planning / City Engineer
 Rajeev Dahal, Senior Project Manager - Transportation

From: Tammi Nunez, Purchasing Manager

Subject: Emerson Street Traffic Signals Modernization Project, RFP 16-73

Date: January 9, 2017

The goal of the Minority, Women and Evanston Business Enterprise Program (M/W/EBE) is to assist such businesses with opportunities to grow. In order to help ensure such growth, the City’s goal is to have general contractors utilize M/W/EBEs to perform no less than 25% of the awarded contract.

With regard to the recommendation for the Emerson Street Traffic Signals Modernization Project, RFP 16-73, Terra Engineering’s total base bid is \$86,100.00, and they will receive 89.5% credit for compliance towards the M/W/EBE goal.

Name of M/W/EBE	Scope of Work	Contract Amount	%	MBE	WBE	EBE
Terra Engineering Ltd. 225 W. Ohio Street, 4 th Floor Chicago, IL 60654	Engineering Services	\$77,100.00			X	
Total M/W/EBE		\$77,100.00	89.5%			

CC: Martin Lyons, Assistant City Manager/CFO