

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: Resolution 10-R-17, CMAQ Grant Application for Emerson Street Traffic Signals Modernization Project

Date: January 30, 2017

Recommended Action:

Staff recommends City Council adopt Resolution 10-R-17 authorizing the City Manager to apply for Congestion Mitigation and Air Quality (CMAQ) Grants for the Emerson Street Signal Modernization Project.

Funding Source:

The estimated total construction cost of the Emerson Street Signal Modernization Project is \$1,100,000 of which \$880,000 (80%) would be funded by CMAQ Grant funds. The remaining estimated \$220,000 for construction would be funded by the City. In addition, the City would also need to fund the engineering services during construction, estimated to cost \$110,000. Funding for the City costs would be provided through future General Obligation Bonds. Design engineering is being funded through funds transferred to the CIP Fund as part of Ordinance 45-O-7 from the developer of the Planned Unit Development located at 1890 Maple and 1881 Oak Avenue.

Livability Benefits:

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

Climate & Energy: Reduce greenhouse gas emissions

Health & Safety: Improve emergency prevention and response

Background:

The Congestion Mitigation and Air Quality Control Program is a federally-funded program of surface transportation improvements designed to improve air quality and mitigate congestion. For traffic signal interconnect projects, CMAQ funds are now available only for construction with the maximum federal share of 80%. Since previous applications for funding to upgrade some of these signals along the Emerson Street were not successful, staff recommends that City offer to fund the construction

engineering cost (estimated at \$110,000) to have a favorable review of the funding request. Concept planning (Phase I Engineering) and final design (Phase II Engineering) costs are not eligible for federal funding and need to be funded by the City. These are currently under contract with Terra Engineering and are being funded through funds transferred to the CIP Fund as part of Ordinance 45-O-7 from the developer of the Planned Unit Development located at 1890 Maple and 1881 Oak Avenue.

The project involves signal modernization and fiber interconnection of three traffic 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 eventual coordination with the signals at Ridge Avenue, Green Bay Road and Asbury Avenue.

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. Pedestrian audible pedestrian signal will also be added at the intersections to improve the safety of pedestrians. It will also allow the traffic signals to be interconnected and coordinated to improve flow of traffic on Emerson.

Initial submittal of the grant application needs to be done by mid-February 2017, and Phase I Design Approval needs to be obtained from IDOT by May 2017 for funding consideration by CMAP.

Attachments:

Resolution 10-R-17

Project Location Map

10-R-17

A RESOLUTION

Authorizing the City Manager to Submit an Application for Grant Funds from the Congestion Mitigation and Air Quality Control Program for the Emerson Street Traffic Signal Modernization Project at Dodge Avenue, Maple Avenue, Elgin Road and Elgin Road/Benson Avenue

WHEREAS, the Congestion Mitigation and Air Quality Control (“CMAQ”) program, is a federal grant program operated by the Chicago Metropolitan Planning Agency (“CMAQ”) in partnership with other state agencies, local governments, interest groups, and citizens, designed to enhance the transportation system and encourage more livable communities; and

WHEREAS, CMAQ funding can be requested to support projects that will mitigate transportation congestion, emission reduction, operational improvements, and mode shift, and

WHEREAS, the CMAQ Program funds eighty percent (80%) of the subject project cost and the remaining twenty percent (20%) must be matched by the respective program participant for the payment of construction and construction engineering costs; and

WHEREAS, the City is submitting a CMAQ application for the construction of the Emerson Street Traffic Signal Modernization Project at Dodge Avenue, Maple Avenue, Elgin Road and Elgin Road/Benson Avenue (hereinafter referred to as the “Project”); and

WHEREAS, the total Project construction cost is estimated to be one million one hundred thousand dollars (\$1,100,000.00) and construction engineering cost

is estimated at one hundred ten thousand dollars (\$110,000.00) and the City seeks to apply to CMAP for eight hundred eighty thousand dollars (\$880,000.00) of CMAQ funds for the Project and the City's match portion for the Project will be two hundred twenty thousand dollars (\$220,000.00) for construction and one hundred ten thousand dollars (\$110,000.00) for construction engineering,

NOW BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EVANSTON, COOK COUNTY, ILLINOIS:

SECTION 1: The City Manager is hereby authorized to submit the CMAQ Application for federal funds to CMAP and the City Clerk is hereby authorized and directed to attest, on behalf of the City of Evanston.

SECTION 2: The City Manager is hereby authorized and directed to negotiate any additional conditions of the application that he deems to be in the best interests of the City.

SECTION 3: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

Elizabeth B. Tisdahl, Mayor

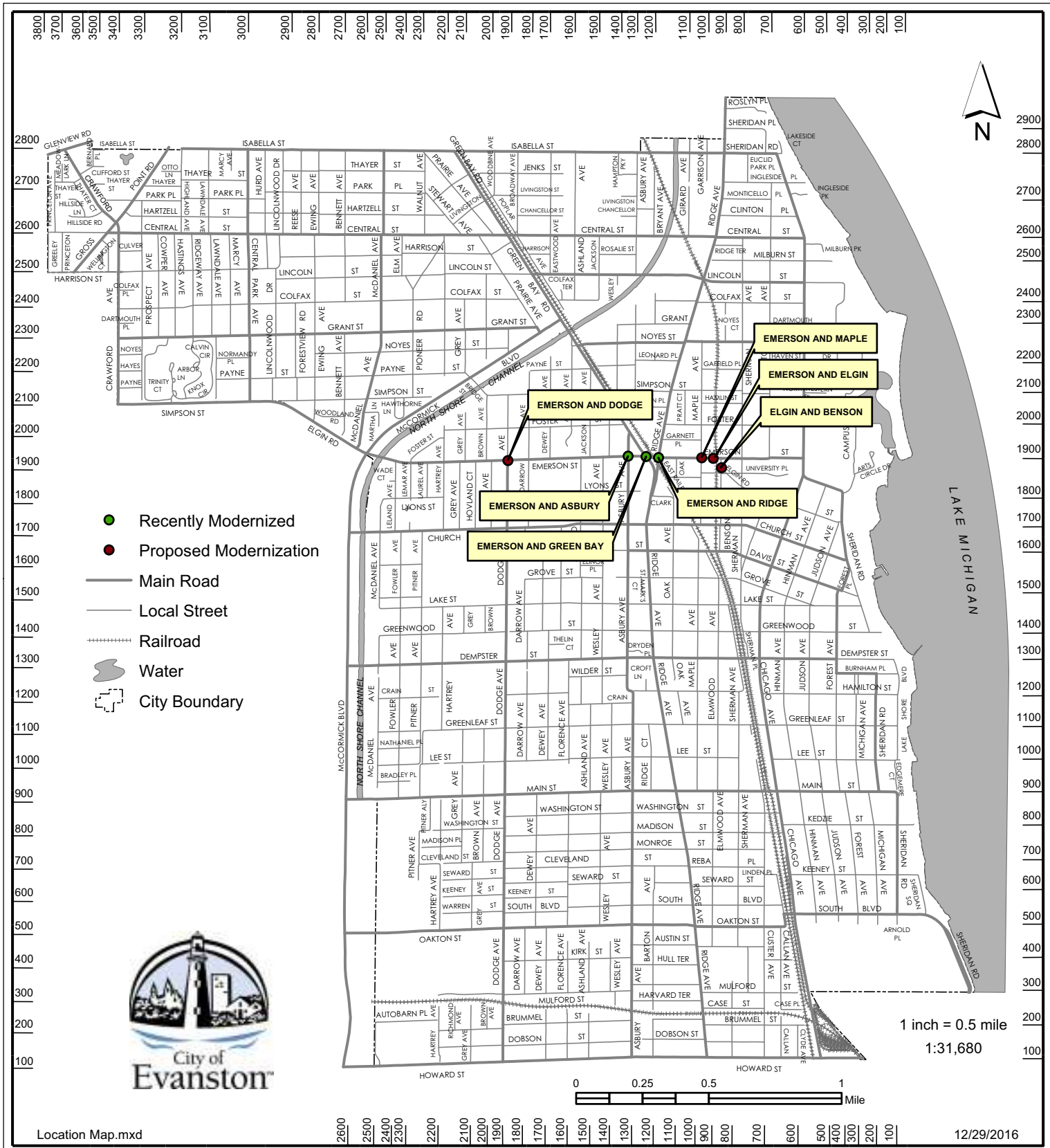
Attest:

Rodney Greene, City Clerk

Adopted: _____, 2017

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.