



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
Sat Nagar, P.E., Senior Project Manager

Subject: Emerson Street/Ridge Avenue/Green Bay Road Project (RFQ 13-12)
Phase III Engineering Services Contract Change Order No. 1

Date: March 29, 2017

Recommended Action:

Staff recommends City Council authorize the City Manager to execute Change Order No. 1 for the Phase III Construction Engineering Services with ESI Consultants, Ltd., (1979 N. Mill Street, Suite 100, Naperville, IL 60563) in the amount of \$92,787.67. This will increase the contract fee from \$723,803.89 to \$816,591.56. There is no time extension associated with this change order.

Funding Source:

This change will be funded from the Capital Improvement Fund 2016 GO Bonds (Account No. 415.40.4116.65515-416450). The construction contract is approximately 98% complete and based on actual quantities; staff believes that the final construction contract amount will be approximately \$400,000 below the awarded contract amount for items proposed to be funded by GO Bond funds.

Livability Benefits:

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

Climate & Energy: Reduce greenhouse gas emissions

Equity & Empowerment: Ensure equitable access to community assets

Health & Safety: Promote healthy, active lifestyles

Background:

The Emerson/Ridge/Green Bay project is a federally funded project and the City is required to follow the Illinois Department of Transportation (IDOT) Standards and federal guidelines in the project execution. Therefore, IDOT holds the contract with the construction contractor, ALamp Concrete Contractors, Inc. IDOT is responsible to pay the contractor, and then they ask for reimbursement for the City's share of the costs. The City of Evanston holds the contract for engineering services with ESI Consultants.

The City pays the engineering firm, ESI Consultants, and asks IDOT for reimbursement for the IDOT share of the cost.

The City Council awarded the Phase III Construction Engineering services contract for the Emerson/Ridge/Green Bay Project to ESI Consultants on January 16, 2016. While the construction contract (awarded to ALamp) had the original milestones of construction substantial completion by October 31, 2016, and landscaping/final completion of June 15, 2017, this engineering contract had an original completion date of December 31, 2018 in order to accommodate completion of the traffic signal timing.

Analysis:

The change order for the construction engineering services includes a construction supervision time extension and design of additional signage/ signal operations described in the tasks noted below:

Task 1 – Project Shut Down Due to State Budget Impasse

Due to the State of Illinois budget impasse, the Illinois Department of Transportation (IDOT) instructed the City to have the project contractor demobilize any materials and equipment from the construction site. This task includes an additional engineering effort needed to set up a safe construction zone and additional temporary pavement markings to ensure safety of the travelling public during the shut down. This task also includes the necessary paper work required by IDOT to process the additional mobilization and demobilization cost. This will result in a contract increase of \$20,958.40.

Task 2 – Additional Inspection Hours Due to Project Shutdown

Due to the five-week duration IDOT imposed construction shutdown, the street lights and traffic signal equipment installation extended beyond October 31, 2016, from November 1, 2016 to January 31, 2017. This resulted in additional construction observation hours by ESI. This will result in a contract increase of \$43,819.96.

Task 3 – Additional Mast Arm Sign Design

Northbound Ridge Avenue south of Emerson has a specific lane designations for Emerson Street, Green Bay Road & Ridge Avenue traffic. The travelling public has expressed concern regarding inadequate signage when travelling northbound on Ridge. Therefore, staff is recommending that an additional mast arm sign with directive signage be installed just north of Clark Street on Ridge Avenue to alleviate this concern. ESI will design the new mast arm sign (including the foundation) to be installed as part of the project. This task is for the design only. This will result in a contract increase of \$13,449.12.

Task 4 – Emerson, Ridge & Green Bay Intersection Signal Timing Analysis

Based on comments received, motorists travelling on Emerson making right turn on northbound and southbound Green Bay Road are encountering limited visibility because of the larger turning radius. Additional modelling and traffic signal analysis can be used to improve the signal timing for the intersection operation by providing a pedestrian-only walk phase. This will improve pedestrian safety. This will result in a contract increase of \$6,102.61.

Task 5 – Final As-Built Survey and Electronic Drawings

The City has been transitioning to receiving all engineering drawing information to be stored in electronic format. This allows information, such as underground utilities, to be more easily imported into the GIS system. This task was not in the original contract. This will result in a contract increase of \$8,457.58.

A summary of the contract increase for this change order is as follows:

Task	Proposed Cost Increase
Task 1 – Project Shut Down Due to State Budget Impasse	\$20,958.40
Task 2 – Additional Inspection Hours Due to Project Shutdown	\$43,819.96
Task 3 – Additional Mast Arm Sign Design and Installation	\$13,449.12
Task 4 – ERBG Intersection Signal Timing Analysis	\$6,102.61
Task 5 – Final As-Built Survey and Electronic Drawings	\$8,457.58
Total	\$92,787.67

Overall, this change order will result in a total increase of \$92,787.67. There is no time extension as a result of this change order.

IDOT has stated that they will pay the increase in construction cost for ALamp related to the IDOT directive to shut down the project. The City has requested reimbursement of the engineering costs related to IDOT directive, but IDOT has declined to reimburse the City for these charges. Therefore, the City will need to fund this change order entirely from GO bonds. The final construction contract is estimated to be approximately \$400,000 under the cost, so it is likely that this extra cost will be offset by construction savings.

The detailed memo from ESI consultants explaining the various tasks and the cost breakdown is attached.

Legislative History:

- City Council awarded Phase I Engineering Services to ESI on October 28, 2013
- City Council awarded Phase II Engineering Services to ESI on February 23, 2015
- City Council awarded Phase III Engineering Services to ESI on January 10, 2016

Attachments:

- ESI additional scope memo
- Change order form