



Legislation Details (With Text)

File #: 2020-0243 **Version:** 0 **Name:** Wolf Road, 143rd Street to 167th Street, Supplement #3

Type: MOTION **Status:** PASSED

File created: 3/24/2020 **In control:** Board of Trustees

On agenda: 4/6/2020 **Final action:** 4/6/2020

Title: Wolf Road, 143rd Street to 167th Street, Supplement #3

Code sections:

Attachments: 1. AECOM Proposal - Supplement 3, 2. Signed Contract

Date	Ver.	Action By	Action	Result
4/6/2020	0	Board of Trustees		
3/24/2020	0	Engineering Programs & Services	INTRODUCED TO BOARD	

Title
Wolf Road, 143rd Street to 167th Street, Supplement #3

History

On July 8, 2005, the Village Board of Trustees approved a contract for Phase I Engineering Services for Wolf Road from 143rd Street to 167th Street for URS Corporation of Chicago, Illinois for a total professional fee of \$244,850.00.

On March 16, 2009, the Village Board of Trustees approved Supplement #1 for additional engineering services required by the Illinois Department of Transportation (IDOT) and Federal Highway Administration (FHWA) for this project for URS Corporation of Chicago, Illinois for a total professional fee of \$155,173.21.

On March 2, 2015, the Village Board of Trustees approved Supplement #2 for additional engineering services required by IDOT including traffic data, crash data, topographic survey, environmental surveys, intersection design studies, and Project Development Report for URS Corporation of Chicago, Illinois for a total professional fee of \$152,141.72.

In 2014, AECOM purchased URS Corporation and Village’s engineering services contracts for this project were transferred to AECOM.

Since the approval of Supplement #2, IDOT has come up with new or modified design and engineering requirements resulting in the additional scope of services that were not included in the original prime agreement or subsequent supplements. The majority of additional scope involves the additional effort associated with new or updated IDOT design/policy requirements.

The following is a summary of scope items that need to be added to the project in order to complete the Phase I Engineering Study:

1. Roadway Geometry and Intersection Design Studies - This effort include the following five items:
 - a. Wolf Road and 143rd Street Intersection Alignment
 - b. CMAP 2050 Traffic Projections and Sensitivity Analysis

- c. Geometric Revisions at Potential Retaining Wall Locations
- d. Laurels of Spring Creek Development
- e. ADA/PROWAG Policy Updates

2. Noise Study and Report - The consultants completed a Traffic Noise Study in 2010 which utilized 2006 traffic data and design year of 2030 traffic projections. In 2011 and 2017, IDOT and FHWA issued an updated noise policy which made the 2010 study obsolete. These changes require completing a new noise study.

3. Location Drainage Study - This task includes the following six items:

- a. Hydraulic Report - Marley Creek (two crossings of Wolf Road)
- b. Hydraulic Report - Spring Creek
- c. Stream Surveys (two crossings)
- d. Revise Draft per IDOT Directions
- e. Revise LDS to Include Potential New ESR Limits
- f. Coordination with IDOT Hydraulics and Village of Orland Park

4. Structural Studies - This effort includes the following three items:

- a. Culvert Inspection and Culvert Condition Memorandum
- b. Retaining Wall Type, Size, and Location Plans
- c. Geotechnical Investigations

5. Project Development Report (PDR) Update - Based on the scope additions and revisions, AECOM will update the PDR including text, exhibits, and appendices.

Current Request

To complete the added scope of services outlined above and described in the attached AECOM's proposal, AECOM is requesting \$332,039 in additional professional fees. The engineering staff has reviewed and negotiated the scope of services and man-hours and is recommending this supplement for AECOM to complete Phase I Engineering Services.

Over the last several months, Village staff has worked with AECOM's team and with IDOT's input, reduced the Phase I scope of work required for its completion, specifically for geotechnical and structural design elements. Additionally, at staff's request and to show AECOM is working with the Village's on this project, they have eliminated \$17,505 in professional fees associated with Supplement #3.

Financial Impact

Sufficient funds for Supplement #3 are presently included in the 2020 Capital Improvement budget.

Recommended Action/Motion

I move to approve the proposal from AECOM of Chicago, Illinois for the Wolf Road, 143rd Street to 167th Street, Phase I Engineering Services, Supplement #3 for a not to exceed amount of \$332,039 in professional fees.