



Engineering & Public Works Department

SUBJECT: Central Avenue Phase I Engineering Services

MEETING DATE: May 10, 2016

FROM: [Brigitte Berger](#), P.E. Director of Engineering and Public Works
[Russ Jensen](#), P.E., Village Engineer

BUDGET IMPACT:

Contract Cost	\$178,556
Over/(Under) Budget	(\$161,444)

Recommended Motion

Move to approve a contract in the amount of \$178,556 with TranSystems, Schaumburg, IL for Central Avenue Phase I engineering services.

Background

The STP program is a federal program that provides funding for locally initiated transportation projects. The North Shore Council of Mayors, the agency that administers the STP funds, issued a call for new projects for consideration to be added to the multi-year program beginning in 2017. In 2012, the Village Board approved a resolution supporting the request for federal transportation funds to be used to rebuild Central Avenue from Green Bay Road to Sheridan Road. The Village was successful receiving the federal grant.

The general scope of work for the Central Avenue project includes the following:

- Road reconstruction
- Curb and gutter and sidewalk (if necessary) removal and replacement
- Drainage improvements
- Pedestrian and bikeway improvements
- Green infrastructure
- Streetscape enhancements in the Village Center
- Traffic signal replacement at Central and Wilmette Avenues

In addition, given the age and condition of the watermain beneath Central Avenue, staff recommends replacing the water main as part of the reconstruction project. The water main replacement will be locally funded and is incorporated into the current capital improvement program.

Discussion

Federal STP projects require that the Village follow the standard Phase I (Preliminary Engineering) Phase II (Design Engineering) and Phase III (Construction) sequence. The scope of work for the Phase I study includes:

Phase I Preliminary Engineering

1. Collect data required for the Phase I report and perform necessary classification and cataloging for use in subsequent tasks.
2. Prepare base map to be used in all phases of the project including right-of-way and property lines, street names, and individual house addresses.
3. Analyze traffic data to determine A.M. and P.M. peak hours and peak hour usage and perform traffic accident review.
4. Develop design criteria for the roadway horizontal and vertical geometrics including typical roadway sections based on traffic, bicycle and pedestrian needs.
5. Perform a pedestrian safety analysis at Central School.
6. Prepare an Environmental Survey Request and Preliminary Environmental Site Assessment to determine the existence of and potential for significant impacts due to the proposed improvement.
7. Conduct a drainage analysis to identify and evaluate the existing drainage conditions and assess physical deficiencies.
8. Plan for and assist with Public Information Meetings for the residents and businesses and other stakeholders along the study area to clarify the project's goals and convey the project process and phase I study results.
9. Prepare a final project report that incorporates comments from the public meetings for review and approval by the Illinois Department of Transportation.

Engineering staff solicited proposals from ten firms and received nine proposals. The results are as follows:

Firm	Proposal Fee (\$)
TranSystems	178,556*
Christopher B. Burke Engineering Ltd	195,972*
Baxter and Woodman	217,140*
AECOM	199,924
Civiltech	235,744
V3	285,467
Robinson	298,456
Benesch	299,567
EI	335,420

* Negotiated scope of work

Village staff reviewed the proposals and then conducted interviews with the top three firms, TranSystems, Christopher B. Burke Engineering and Baxter and Woodman, to discuss their qualifications and refine their respective scopes of work. After careful consideration, staff recommends the Village Board award the contract to TranSystems.

TranSystems has successfully performed several projects for the Village in the past, including the Skokie / Hibbard Intersection improvements (phase I) and Sheridan Road Reconstruction Project (phases II and III). Their personal approach to stakeholder involvement during the phase I study was what set them apart from the other firms. From a technical perspective, TranSystems has vast experience with Phase I studies and they have strong relationships with the staff at IDOT which is important for federal projects. They also submitted the most competitive proposal. For these reasons, staff recommends the Village Board award the Central Avenue Phase I engineering study to TranSystems.

Budget Impact

Project Description	2016 Budget	This Contract	Balance
Central Ave Phase I	\$340,000	\$178,556	\$161,444

As shown in the attached CIP page, Phase I is paid for locally and 70-percent of Phase II and III costs are paid for with the federal grant.

Schedule

The project schedule is as follows:

Phase I (preliminary engineering): 2016 and 2017
Phase II (design engineering): 2018
Construction: 2019

Documents Attached

1. CIP Detail Sheet
2. Scope of Consultant Services dated April 27, 2016