



To: MAYOR AND CITY COUNCIL

Agenda Item #: IV. F.

From: Chad A. Millner, PE, Director of Engineering

Action

Discussion

Date: November 3, 2014

Information

Subject: Authorize Engineering Services for Valley View Road – Final Design and Construction Administration

Action Requested:

Authorize City Manager to approve attached proposal for Engineering Services with WSB, Inc.

Information / Background:

Please recall City Council conducted the public improvement hearing and approved the referenced project at the Oct. 21 City Council meeting. The project limits are McCauley Trail to Mark Terrace.

The project is scheduled for reconstruction in 2015. This segment of Valley View Road is designated as a MNDOT State Aid Roadway (MSA). The project includes reconstruction of approximately 1,800-ft of road, utility improvements, and installation of pedestrian improvements including sidewalks and bike lanes.

Stakeholder input will continue to be conducted with the residents adjacent to the roadway as detailed in the attached proposal.

The project will be funded by a combination of MSA funds, special assessments, PACS and utility funds. The fee for final design and construction administration is \$209,992.

Staff recommends authorizing the engineering services detailed in the attachment.

Attachments:

- Engineering Proposal for Final Design and Construction Administration for Valley View Road



Infrastructure ■ Engineering ■ Planning ■ Construction

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October 28, 2014

Mr. Chad Millner, PE
Director of Engineering
City of Edina
7450 Metro Boulevard
Edina, MN 55439

Re: Valley View Road Final Design and Construction Administration
Proposal for Engineering Services
City of Edina, MN

Dear Mr. Millner:

WSB & Associates, Inc. (WSB) are pleased to submit the attached proposal for the Final Design and Construction Administration Engineering Services for improvements on Valley View Road.

The total for this work is \$209,992.00. This includes \$76,348.00 for final design, \$13,180.00 for landscape design and \$120,464.00 for construction administration.

We are eager and ready to start the next phase of this project. If you have any questions about this proposal, please do not hesitate to contact me at 763-287-7149.

Sincerely,
WSB & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "Andrew Plowman".

Andrew Plowman, PE
Project Manager

Attachments

Valley View Road
Final Design and Construction Administration
Engineering Services

SCOPE OF WORK

Task 1 – Final Design

- 1.1 **Property Owner Meetings**: This task includes meeting with individual property owners that live adjacent to the project. We will send out a letter describing the project and allow the property owners an opportunity to meet with the project team to help coordinate aspects of the project and avoid unknowns during design.
- 1.2 **Utility Coordination Process**: This task includes following the MnDOT utility coordination process. WSB will lead a meeting with the private utilities. The existing utilities will be shown in the plan set and WSB will coordinate with the private utilities to ensure conflicts are avoided, if possible, or relocated.
- 1.3 **Roundabout Justification Report**: WSB will complete the roundabout justification report (RJR) for the Valley View Road/Braemar Boulevard intersection, which is required for the State Aid submittal. The RJR will include the necessary traffic data and modeling, in addition to the roundabout truck turning movements and fast path analysis.
- 1.4 **Variance Submittal and Meeting**: WSB will assist City Staff in submitting the variance request to State Aid for the December variance meeting, for the Valley View Road curve near Comanche Court. WSB will also attend the variance meeting.
- 1.5 **Alignments, Profiles and Cross Section**: This task includes finalizing the geometric design for the project based on the approved engineering report.
- 1.6 **Storm Sewer Design**: This task includes the storm sewer design for Valley View Road based on state aid standards. In addition, the Sally Lane storm sewer pipe will be designed. It is anticipated Barr Engineering will revise the existing City model after the project is complete.
- 1.7 **Plan Preparation (State Aid Plans)**: WSB will complete the final design plans for the project in order to successfully get the project approved for State Aid funding and bid the project no later than March, 2015.
- 1.8 **Bid Preparation, Permits and Specifications**: WSB will compile all the applicable specifications for the project which includes the City Standard specifications and all necessary special provisions. WSB will submit all necessary permits; including the Nine Mile Creek Watershed permit and the NPDES permit. WSB will answer contractor's questions during bidding and complete the bid tabulation.

Task 2 – Landscape Design

2.1 **Conceptual Design:** WSB’s landscape design unit will develop alternatives for a conceptual landscape for the roundabout area. A questionnaire and/or newsletter will be sent to the residents to provide information and possibly solicit feedback from the residents regarding the landscape concepts. The final concepts will be presented to City staff for approval.

2.2 **Landscape Plan:** WSB will complete a separate plan set for the landscape design. It is intended to bid the landscape plan separately from the roadway plan due to the 3 year maintenance period that is required with the landscape plan.

2.3 **Bid Preparation and Specifications:** WSB will compile all the applicable specifications for the project which includes the City Standard specifications and all necessary special provisions. This task also includes completing the maintenance period specifications.

Task 3 – Construction Administration

3.1 **Weekly Meetings:** WSB will lead the weekly meetings, including the preconstruction meeting. It is assumed the project will be a 14 week construction project. WSB will complete the meeting minutes and distribute to the attendees from each meeting.

3.2 **Administration, Pay Vouchers, Change Orders, etc.:** This task includes all the necessary administration items related to the construction administration with the contractor. All change orders will need to be submitted and approved at MnDOT State Aid, WSB will be responsible to obtain approval. WSB will generate the pay vouchers and separate the quantities based on the funding splits developed with the final plans. WSB will complete weekly City Extra text which will be posted by City staff.

3.3 **Construction Observation:** WSB will provide one full-time observer to be on-site during the duration of the project. It is assumed the project will include a 14 week construction schedule. The observer will answer contractor and resident questions and relay all necessary information to the project manager and City staff.

3.4 **Staking:** This task includes staking the project per the design. This includes offsets for the storm sewer, sanitary sewer and water main items as well as offsets for the curb and gutter construction. WSB will also provide blue tops for the subgrade.

3.5 **As-built:** Upon completion of the project, WSB will survey the location the actual inverts and top of castings of the existing structures and complete an as-built plan, based on City standards.

ESTIMATED COST

The table below shows a summary of WSB's estimate of the cost for the work described above. The estimated cost is \$209,992. This includes WSB's labor at our standard hourly billing rates. WSB will bill the City for the actual hours worked up to the maximum of \$209,992. A detailed breakdown of the hours can be found on the following page.

Tasks	Project Cost
Task 1 – Final Design	\$76,348
Task 2 – Landscape Design	\$13,180
Task 3 – Construction Administration	\$120,464
Total Cost	\$209,992

Accepted on this _____ day of _____, 2014

City of Edina

By: _____
Scott Neal, City of Manager

Valley View Road
Final Design and Construction Administration
Detailed Cost Breakdown of Tasks



Task Description	Principal	Project Manager	Design Engineer Observer	Traffic/Lighting Engineer	2 Person Survey Crew	CAD Tech / GIS	Clerical	Total Hours	Cost
1.0 Final Design									
1.1 Property Owner Meetings		24	10				8	42	\$4,644.00
1.2 Utility Coordination Process	4	16	24					44	\$4,872.00
1.3 Roundabout Justification Report		16	8	40				64	\$7,592.00
1.4 Variance Submittal and Meeting	2	12	4			6		24	\$2,868.00
1.5 Alignments, Profiles and Cross Sections	8	24	24	16		20	4	96	\$10,800.00
1.6 Storm Sewer Design		16	40			32		88	\$9,040.00
1.7 Plan Preparation (State Aid Plans)		92	96	8		80		276	\$30,056.00
1.8 Bid Preparation, Permits and Specifications	4	24	12	4			16	60	\$6,476.00
	18	224	218	68	0	138	28	694	\$76,348.00
2.0 Landscape Design									
2.1 Conceptual Design	2	8	16			16		42	\$4,460.00
2.2 Landcape Plan		8	24			16		48	\$4,880.00
2.3 Bid Preparation and Specifications		4	24				16	44	\$3,840.00
	2	20	64			32	16	134	\$13,180.00
3.0 Construction Administration									
3.1 Weekly Meetings	2	20	20	4	4			50	\$5,900.00
3.2 Administration, Pay Vouchers, Change Orders, Etc.		48	36				16	100	\$10,728.00
3.3 Construction Observation		6	840					846	\$76,392.00
3.4 Staking					100			100	\$17,100.00
3.5 As-Builts		12	24		24	24		84	\$10,344.00
	2	86	920	4	128	24	16	1,180	\$120,464.00
Total Hours	42	574	1484	140	128	364	104	2,836	\$209,992.00
Hourly Costs	\$150.00	\$132.00	\$90.00	\$119.00	\$171.00	\$104.00	\$72.00		