



SRF No. 8418

TAC Meeting Record #1 Old Cedar Avenue Bridge Rehabilitation

City Project 2010-201

June 5, 2014

12:30 pm – 2:00 pm

A design meeting for the above referenced project was held at the City of Bloomington Public Works Office. The following is a summary of the meeting discussions. Action items are in bold and underlined, and revisions are in red.

Meeting Summary:

1) Introductions & Sign-in

- a) See attached sign-in sheet

2) Project Overview

a) 30% Plans

- Matt gave a brief overview of the project shown in the 30% Plans.
- There was discussion regarding the height of the proposed railing. Matt noted that the railing being proposed as 4 foot 6 inches is per MnDOT's bridge and bikeway facility standards and that a design exception would be required for a lower railing. Kristen and Tim both noted that they would prefer a lower railing height. Shelly noted that the City does not want to have design exceptions on the project and referenced a similar case in the past that caused the City legal issues. Kristen asked if the pipe rail could be held at the original height with cables making up the difference in height. Matt said that he thought it would be problematic due to the design loading, but that he would confirm. Kristen added that visualizations would be helpful. It was agreed that a meeting would be scheduled with CRU once a draft rehabilitation memo was ready to discuss further. *(After meeting clarification: Current AASHTO bridge design standards allow 3 foot 6 inch minimum railing height with the commentary that "in locations with site-specific safety concerns, a railing, fence or barrier height above the minimum should be considered.")*
- Matt noted that a lightweight deck system is being considered to limit the amount of rehab/replacement that is required. Dave noted that the bridge office would support use of lightweight concrete and that Ron Mulvaney would be a good source of information.

b) Bridge Enhancements

- Matt gave a brief overview of the planned bridge enhancements and showed a few options being considered. **Kristen and Charlene both indicated they preferred the options that showed the improvements pulled back from the west abutment and the straight alignment over the curved for the approach trail section.**

3) Progress Update

- Matt gave an update on the progress of the project noting that the 3D bridge scan, geotechnical report, and field inspection had been completed. He added that a rehab memo is being developed in conjunction with the structural analysis and that a meeting would be scheduled with MnDOT when a draft is available for review. **SRF to schedule a review meeting with MnDOT when rehab memo draft is complete.**

- Tom briefly discussed the findings of the inspections and noted the analysis to determine the level of rehab required is underway. He noted that the extent of deterioration of the floor system and truss was pretty consistent with previous reports, but that the extent of damage to the piers was more than he anticipated.
- Tom briefly discussed the structural analysis that is being performed using the results of the field inspections. Jeff asked what design vehicle was being assumed. Tom said that the design vehicle is a H10 truck (20,000 lb.).
- Charlene gave an update of the historical review that has occurred to date. She noted that much of the railing had been replaced due to damage from vehicles. She also discussed significant repairs that occurred at the abutments, which were noted in a 1923 report. **She added that the abutment on the west side had problems shortly after the bridge opened; some of the piers at that end were also tilted. There was no record of issues at the east abutment.**

4) Schedule

- a) Matt noted that a current schedule was attached to the agenda and highlighted several key submittal dates.

5) Stakeholder Items

- a) USFWS
 - Brandon noted that FWS has planned for nearby improvements to begin in spring of 2015.
- b) MnDOT CRU
 - The open house was discussed. It was noted that the Bloomington Historic Society requested to be a consulting party. **Hess Roise to contact the Bloomington Historic Society regarding the open house and being a consulting party.**
 - Kristen asked if FWS or COE were planning a 106 process or if they were deferring to FHWA. She added that if they were deferring to FHWA they should issue a letter and copy the SHPO.
- c) MnDOT Bridge
- d) FHWA
 - The member study with FHWA originally planned for the project was discussed. It was determined not to be required for this project.
- e) MNDNR / USCOE
- f) City of Bloomington
 - Jeff noted that security at the site has been a concern in the past and that cameras are being considered. Kristen said she would not be against adding cameras, but would want to be involved in determining the details. It was not clear if they would be required on the bridge or not. Matt noted that lighting was not currently being shown on the bridge.
 - Jeff noted that access for emergency vehicles needed to be provided to the bridge.
 - Steve noted that he would be the contact for the **WCA (Wetland Conservation Act)** permit.

6) Other Items

- Matt noted the next TAC meeting will be likely occur in early August around the time the 60% plans are being submitted.

Meeting Record Revisions:

The preceding represents SRF Consulting Group's understanding of the referenced meeting and was prepared on June 9, 2014. If you identify discrepancies or items that require clarification, please contact Matt Cramer at SRF via email at mrcramer@srfconsulting.com or via telephone at 763-249-6788.