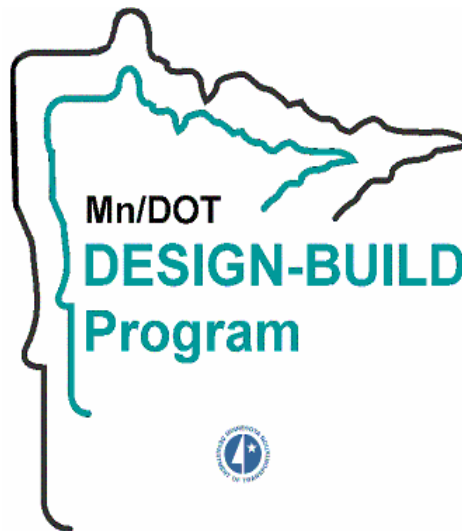


MINNESOTA DEPARTMENT OF TRANSPORTATION
Metro Division

ST. ANTHONY FALLS (35W) BRIDGE DESIGN-BUILD PROJECT
S.P. 2783-120
E.R. MN 07(300)



Technical Review Committee
Summary of Findings

Walsh / American Bridge

Disclaimer: The strengths and weaknesses provided on the following pages represent observations from the Technical Review Committee members based upon the contents of the Walsh / American Bridge Technical Proposal. There is no relative weight factor for each comment and more comments do not necessarily reflect a proposal that is stronger or weaker. It was up to each Technical Review Committee scoring member to determine the significance of each strength and/or weakness.

QUALITY

Strengths

- The Joint Venture members, Walsh / American Bridge / PB Americas have extensive experience.
- A Design Quality Control (DQC) Manager was listed separately.
- The PB Americas internal quality processes are ISO-compliant.
- The Safety Incentives reach all project personnel.
- There are daily site safety meetings.
- A strong safety program was depicted.
- Safety incentive programs had been used in the past.
- An extensive performance measures methodology for safety, public relations, and quality measures was provided.

Weaknesses

- The Quality Manger (QM) does not have experience on major river crossing projects.
- The Construction Quality Assurance Manager (CQAM) does not have experience on major river crossing projects.
- The Design Manager (DM) has not been a DM on a Design-Build (DB) project.
- The Lead Bridge Design Manager does not have similar experience on similar steel bridge designs.
- The authority to Stop Work did not come out in the oral interview.
- There was little evidence of Design-Construction coordination and this did not come out during the oral interview.
- Details as to field safety audits were limited.
- Specific commitments and enhancements to the Quality Templates were lacking.
- Executive Committee in the organization chart inserted between Mn/DOT and their Project Manager.
- Recommended Mn/DOT approval of “waivers” and a flow chart provided for streamlined review of Released for Construction design packages by Mn/DOT.

AESTHETICS

Strengths

- The visualization at the oral interview provided a much better overview of this team's objectives, in terms of Visual Quality.

Weaknesses

- The Visual Quality Manager, Andrew Irvine, may not have experience with bridge architecture on major bridge projects.
- The stakeholder involvement efforts were significantly lacking.
- The Technical Subcommittee viewed the efforts of this team in the Aesthetics area very unfavorably.

ENHANCEMENTS

Strengths

- The 130-foot portal on the South end of the project allows for future transportation purposes. However, it is unclear why this exists.
- No pier is provided in the 80-foot portal on the north end.
- The vertical clearance under University Avenue is increased to 16'-4".
- The sag vertical curve under University Avenue meets headlight sag criterion for 55 mph.
- Stray current corrosion protection for the future LRT.

Weaknesses

- Detailed profiles of the future 35W geometry at the University Avenue / 4th Street area are not provided.
- The horizontal alignment of 2nd Street SE is a concern.
- The aesthetic fairing is a significant maintenance concern.
- The wire-mesh MSE walls were a maintenance concern.
- There is increased concern regarding scour potential.
- The deck drains on the bridge are a maintenance concern.

PUBLIC RELATIONS

Strengths

- The Public Relations team, Kathie Doty and Laura Goranson, have a strong transportation background and a local presence.
- The resources of Kimley-Horn are included.
- The involvement of Design and Construction staff in the Public Relations efforts was noteworthy.
- The neighborhood Outreach Specialists were viewed very favorably.

Weaknesses

- Limited specific commitments to the target areas of aesthetics, the Minneapolis City Council, and the Marcy-Holmes neighborhood were noted.
- Nighttime noise is of concern.
- Not clear that the Joint Venture members and the Public Relations staff had worked together previously.