

PROJECT SUMMARY

I-94

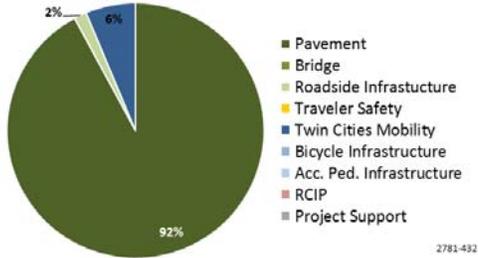
Nicollet Avenue in Minneapolis to Shingle Creek Bridge in Brooklyn Center
 Bridge multiple, bridges, (50+)
 State Project No. 2781-432



Primary Purpose:

Performance-based Need: Pavement Condition

Investment Category:



Project Description:

Concrete pavement repair and diamond grinding south of Hwy 55, bituminous overlay north of Hwy 55, drainage and weeping slope repair, Lowey Tunnel tile repair, Portland Tunnel joint repair, bridge redeck of westbound I-94 over southbound Mey 252, and misc. repair of 49 bridges.

Recent Changes and Updates

A Value Engineering study conducted in spring of 2015 recommended that a bituminous overlay replace the concrete pavement repair on mainline I-94, north of Hwy 55. This would significantly reduce traffic impacts and enable the pavement preservation construction to take place in 2017 to avoid other major roadway projects in 2018.

Since the last MHP report, the current estimate increased due to traffic control mitigation, and bridge maintenance.

Project History:

Scoping for this pavement preservation project was completed in December 2012. Additional risk and contingency were added in 2013 to the estimate to account for the risks associated with the major concrete patching and repair project.

In the 2014 MHP report, costs increased from the baseline estimate by \$14.2M because of a project revision request in 2013 that added 48 bridge maintenance activities, fiber wrap, and tile repair projects to the project. The CPR estimate showed larger pavement degradation than expected.

Total Project Cost Estimate (millions)

Date in which the project entered into the STIP: 2013

	<u>Baseline Est.</u>	<u>Current Est.</u>
Construction Letting:	\$ 23.4	\$ 40.8
Other Construction Elements:	\$ 0.0	\$ 0.0
Engineering:	\$ 2.3	\$ 7.5
Right of Way:	\$ 0.0	\$ 0.0
Total:	\$ 25.7	\$ 48.3

Construction cost estimates are adjusted to the mid-year of construction, using inflation rates provided by OTSM.

Key Cost Estimate Assumptions:

- Concrete Pavement Rehabilitation
- Includes Traffic Mitigation
- Bridge Cost and Scope are based on December 2014 bridge recommendations

Project Risks:

This project involves concrete patching and repair, which introduces risk to a project because exact quantities needed won't be known until construction begins. The potential for a significant event (i.e. 2018 Superbowl) may require an accelerated schedule for Design and Construction. There will be some impact to traffic during the construction period for the project. Fluctuating Bridge scope. Additional project needs for corridor lighting (\$6M) and guardrails were identified but funding needs to be identified.

Schedule:

Environmental Approval Date: Pending
 Municipal Consent Approval Date: Not Applicable
 Geometric Layout Approval Date: Not Applicable
 Construction Limits Established Date: Pending
 Original Letting Date: 06/14/2013
 Current Letting Date: 11/18/2016
 Construction Season: 2017
 Estimated Substantial Completion: 11/01/2017



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