

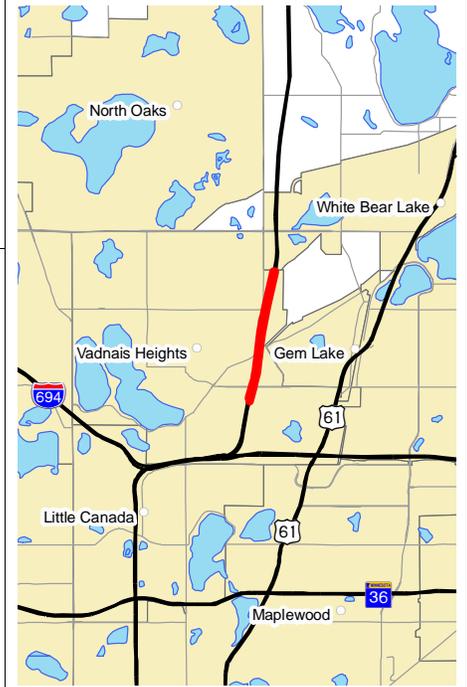
# PROJECT SUMMARY

I-35E

Vadnais Heights and White Bear Lake - Goose Lake Road Bridges  
 Bridge 9567, (new, 62729), &, 9568, (new, 62730)

State Project No. 6281-25

<http://www.dot.state.mn.us/metro/projects/i35vadnaisheights/index.html>



### Primary Purpose:

Performance-based needs: Bridge Condition and Pavement Condition

### Investment Category:

\*This project was designed and scoped before the current highway investment plan MnSHIP was developed, which breaks projects into investment categories.

### Recent Changes and Updates

Cost increases in construction letting from 2014 to 2015 are \$2M and are a result of railroad agreement costs, changing the pavement fix, and bridge clearance. The railroad agreement costs are now included in 'Construction Letting' costs. The project changed to 4 in. mill and 9 in. concrete overlay over 1 in. of Permeable Asphalt Stabilized Stress Relief Course with reconstruction of the two transition areas at the both ends of the project. To maintain the minimum bridge vertical clearance over the railroad, the profile of I-35E need to be raised by 1.2 ft.

Baseline and Current Estimates are updated. In previous report, the Baseline Estimate did not include costs for Other Construction Elements or Engineering.

### Project History:

From 2013 to 2014, the project costs increased from \$10.1M to \$20M due to a mill and concrete overlay project being combined into it, as well as preparing the bridges and pavement to be ready for a MnPASS extension into this area. While the costs increased, there was efficiency and cost savings in combining the bridge and pavement project as well as the MnPASS project. The I-35E MnPASS Extension project is a separate entry in this report.

The I-35E bridges over Goose Lake Road and the BNSF railroad in Vadnais Heights will be replaced with new wide structures to accommodate three lanes of traffic and profile adjustment of pavement on both sides of the bridges. There will be a mill & concrete overlay on the mainline and concrete pavement repair on 3 ramps at Co Rd E.

### Project Description:

Replace Goose Lake Road Bridges including profile adjustment on both sides of the bridges, mill and unbonded concrete overlay, ADA, retaining walls, ponding, guardrail, drainage and transportation management system improvements.

### Total Project Cost Estimate (millions)

Date in which the project entered into the STIP: 2012

	<u>Baseline Est.</u>	<u>Current Est.</u>
Construction Letting:	\$ 10.1	\$ 22.4
Other Construction Elements:	\$ 0.4	\$ 0.2
Engineering:	\$ 2.1	\$ 4.0
Right of Way:	\$ 0.0	\$ 0.0
<b>Total:</b>	<b>\$ 12.5</b>	<b>\$ 26.6</b>

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

### Key Cost Estimate Assumptions:

Some of the key cost estimates include a wider shoulder for future MnPASS extension lanes, and an unique bridge construction phasing including building the middle portion of the bridge first and then the outside portions.

### Project Risks:

The project letting was extended until 6/5/15 to complete the design work to accommodate the future MnPASS extension. This area has high traffic flow and staging must be carefully planned to minimize accidents during construction. Potential impacts of environmentally sensitive areas.

### Schedule:

Environmental Approval Date: 3/16/2015  
 Municipal Consent Approval Date: NA  
 Geometric Layout Approval Date: 41935  
 Construction Limits Established Date: 12/2014  
 Original Letting Date: 42027  
 Current Letting Date: 42160  
 Construction Season: 2015/2016  
 Estimated Substantial Completion: 42644



Minnesota Department of Transportation  
 District M  
 1500 West County Road B2  
 (651) 234-7500

**District Engineer:** Scott McBride  
**Project Manager:** Mohammad Dehdashti

**Revised Date:** 12/15/2015