

PROJECT SUMMARY

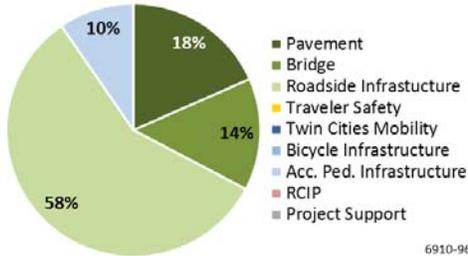
Hwy 23
 In Duluth From Becks Road to 84th Avenue West
 Bridge 69091
 State Project No. 6910-96



Primary Purpose:

Performance-based Need: Pavement, bridge & roadside infrastructure condition

Investment Category:



Project Description:

This is an urban/rural project in West Duluth from Becks Road to 84th Avenue West. The work includes pavement resurfacing, bridge construction over Knowlton Creek, as well as drainage, safety, and sidewalk improvements.

Recent Changes and Updates

This project is currently being designed.

Project History:

The work in this project was previously included in SP 6910-89. The project was divided in order to accommodate the construction of a bridge at Knowlton Creek.

This project has just been developed.

The need for this project is because the pavement in this area is nearing the end of its remaining service life, and without preventative maintenance, the pavement will require major reconstruction.

The purpose of the project is to improve ride quality and extend the useful life of the highway.

Total Project Cost Estimate (millions)

Date in which the project entered into the STIP: 2014

	<u>Baseline Est.</u>	<u>Current Est.</u>
Construction Letting:	\$ 8.6	\$ 9.6
Other Construction Elements:	\$ 0.7	\$ 0.7
Engineering:	\$ 1.4	\$ 2.1
Right of Way:	\$ 0.8	\$ 0.5
Total:	\$ 11.5	\$ 12.9

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

Key Cost Estimate Assumptions:

The base estimate was prepared in March of 2014 and includes costs for bituminous milling and paving, bridge construction, drainage improvements, signal construction and ADA improvements. The current cost estimate was prepared in July of 2015 and includes additional costs for bridge construction, slope repairs, sidewalk and some pavement reconstruction.

Project Risks:

The project requires an extensive amount of drainage reconstruction with uncertain costs. The project also has potential cost risks based on the ability to either raise or replace the Munger Trail Bridge. If the DNR is able to fund a Munger Trail culvert replacement, MnDOT will also replace the culvert that goes under Hwy 23. These two culverts are connected and must be replaced as individual culverts, but at the same time. There is also a risk to the project letting due to a right of way acquisition.

Schedule:

Environmental Approval Date: Pending Approval
 Municipal Consent Approval Date: 8/27/2014
 Geometric Layout Approval Date: 8/29/2014
 Construction Limits Established Date: Unknown
 Original Letting Date: 02/26/2016
 Current Letting Date: 02/26/2016
 Construction Season: 2016
 Estimated Substantial Completion: Fall 2016/Summer 2017



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District Engineer: Duane Hill
Project Manager: Derek Fredrickson

Revised Date: 12/15/2015