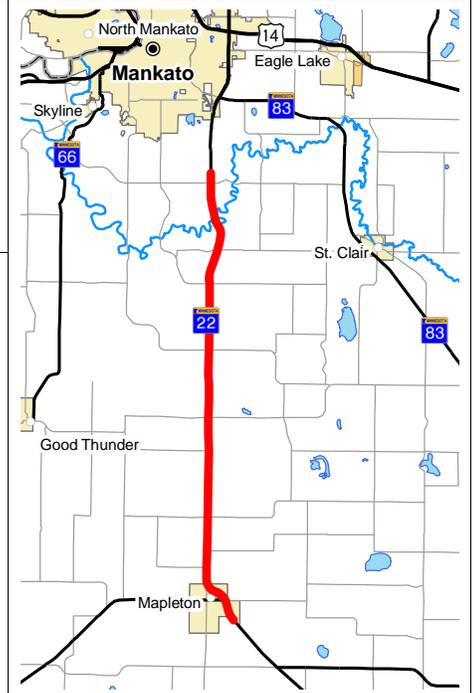


PROJECT SUMMARY

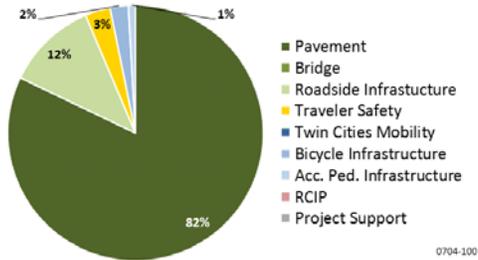
Hwy 22
 Hwy 30 to Hwy 15
 Bridge 5959
 State Project No. 0704-100
<http://www.dot.state.mn.us/d7/projects/hwy22mapleton/index.html>



Primary Purpose:

Performance-based Need: Pavement Condition

Investment Category:



Project Description:

This project consists of reconstructing 10.5 miles of pavement from Mapleton near CR 7 to Hwy 15, including the replacement of bridge #5959 over the Big Cobb River. In addition, turn lanes are being proposed at several county roadways.

Recent Changes and Updates

The condition of the pavement was investigated in 2014 and found to be too deteriorated, and therefore unsuited for an unbonded overlay. The project scope was amended to include pavement reconstruction. Project limits were adjusted and the north limit was scaled back to the intersection of Hwy 15. The section of Hwy 22, from Hwy 15 to Hwy 90, which includes bridge #6497 over the Le Sueur River, will not be included under this project. The letting date was changed to accommodate the bridge offices work load issues.

Project History:

The bridge #5959 over the Big Cobb River is scheduled to be replaced. Due to the significant costs, the project may have to be staged over multiple years due to budget and program limitations. Once the existing soil and pavement investigation is complete, the project limits will be finalized.

Hwy 22 from Mapleton Hwy 90 is a minor arterial. The existing pavement is continuing to deteriorate and the ride quality is very poor, especially during the spring and winter seasons due to the frost heaving at the pavement joints.

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:	\$ 25.9	\$ 23.3
Other Construction Elements:	\$ 2.9	\$ 2.9
Engineering:	\$ 4.6	\$ 4.6
Right of Way:	\$ 0.1	\$ 0.1
Total:	\$ 33.5	\$ 30.9

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

Key Cost Estimate Assumptions:

The estimate is based on reconstructing the pavement with a similar pavement width and surfacing as the current roadway. This is estimated in 2011 dollars inflated to 2017 dollars. Project costs were adjusted to include bridge costs. The current estimate decreased because there is not enough funding to complete the project as originally scoped. The scope and project limits were adjusted to keep it under the budget shown in the current estimate.

Project Risks:

The project may require to be staged over multiple years. There may be additional costs for edge drain repair/replacement if needed. The investigation of chronic frost heaving at the joints determined that much of the pavement will need to be reconstructed. Reconstruction may require an alternate bid.

Schedule:

Environmental Approval Date: Need Unknown
 Municipal Consent Approval Date: Not Needed
 Geometric Layout Approval Date: need Unknown
 Construction Limits Established Date: Need Unknown
 Original Letting Date: 01/01/2017
 Current Letting Date: 01/27/2017
 Construction Season: 2017 / 2018
 Estimated Substantial Completion: Fall 2018



Minnesota Department of Transportation
 District 7
 2151 Bassett Drive
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District Engineer: Greg Ous
Project Manager: Peter Harff

Revised Date: 12/15/2015