Since retiring the IRC system, there has not been a statewide planning and prioritization process to guide Greater Minnesota National Highway System (NHS) mobility investment decisions. The goal of the mobility study is to identify locations with the greatest mobility and reliability issues and identify low-cost spot improvements to address needs.

Using custom tools developed with Python Bolton & Menk evaluated more than 9,300 miles of NHS routes in Greater Minnesota. The evaluation was completed in a web-based GIS application to efficiently analyze more than nine billion records and illustrate the results on a statewide basis for local districts and regional planning organization's input.

Our data-driven approach was fully endorsed by the advisory committee to fairly consider priorities within each Greater Minnesota MnDOT district. We are in the process of leading workshops with each district to gather input and confirm the high-priority locations. Three of the seven districts have been completed thus far and support the needs identified through the evaluation.

We have also received positive feedback from Greater Minnesota MnDOT districts who value the need to look at mobility differently, using new data available and in a quantifiable manner.

Greater Minnesota Mobility Study overall scoring map is included on the following page.

Greater Minnesota Mobility Study
Minnesota Department of Transportation

Overall Scoring
April, 2018

DEPARTMENT OF TRANSPORTATION

BOLTON & MENK
Real People. Real Solutions.

Map Document: \\arcserver11\GIS\STONB_PRIT42M00059\ESRI\Maps\StudySegmentOverview_L2_Scoring.mxd | Date Saved: 4/20/2018 3:43:56 PM

59

11

59

71

53

Bemidji

Hibbing

Grand Rapids

2

Moorhead

34

59

169

Cloquet

Duluth

10

210

Fergus Falls

210

Brainerd

35

Alexandria

23

94

Sartell

Sauk Rapids

St. Cloud

Big Lake

Monticello

Elk River

59

Buffalo

Otsego

St. Michael

12

Willmar

Hutchinson

212

23

15

Marshall

Red Wing

Northfield

61

New Ulm

St. Peter

Faribault

52

North Mankato

Owatonna

Rochester

Winona

71

Mankato

14

169

59

35

Worthington

Fairmont

90

Albert Lea

Austin

63

Legend

5 - 6
6 - 7
7 - 8
8 - 9
9 - 10

Mobility Bonus Project

MnDot District Boundary

0   25
Miles

Source: FHWA, ESRI