



US 169 Interregional Corridor (Mankato - Twin Cities)

Existing Conditions

Map A1

This map was created using data that is now out of date. For updated information about this corridor, please visit <http://mndot.maps.arcgis.com/home/index.html>.

Bridge Condition (2010)

- Good
- Satisfactory
- Fair
- Poor

Pavement Condition

RQI in 2011

- Good
- Fair
- Poor

MnDOT Culverts/Pipes

- Condition 4 (Poor) Pipes

Roads

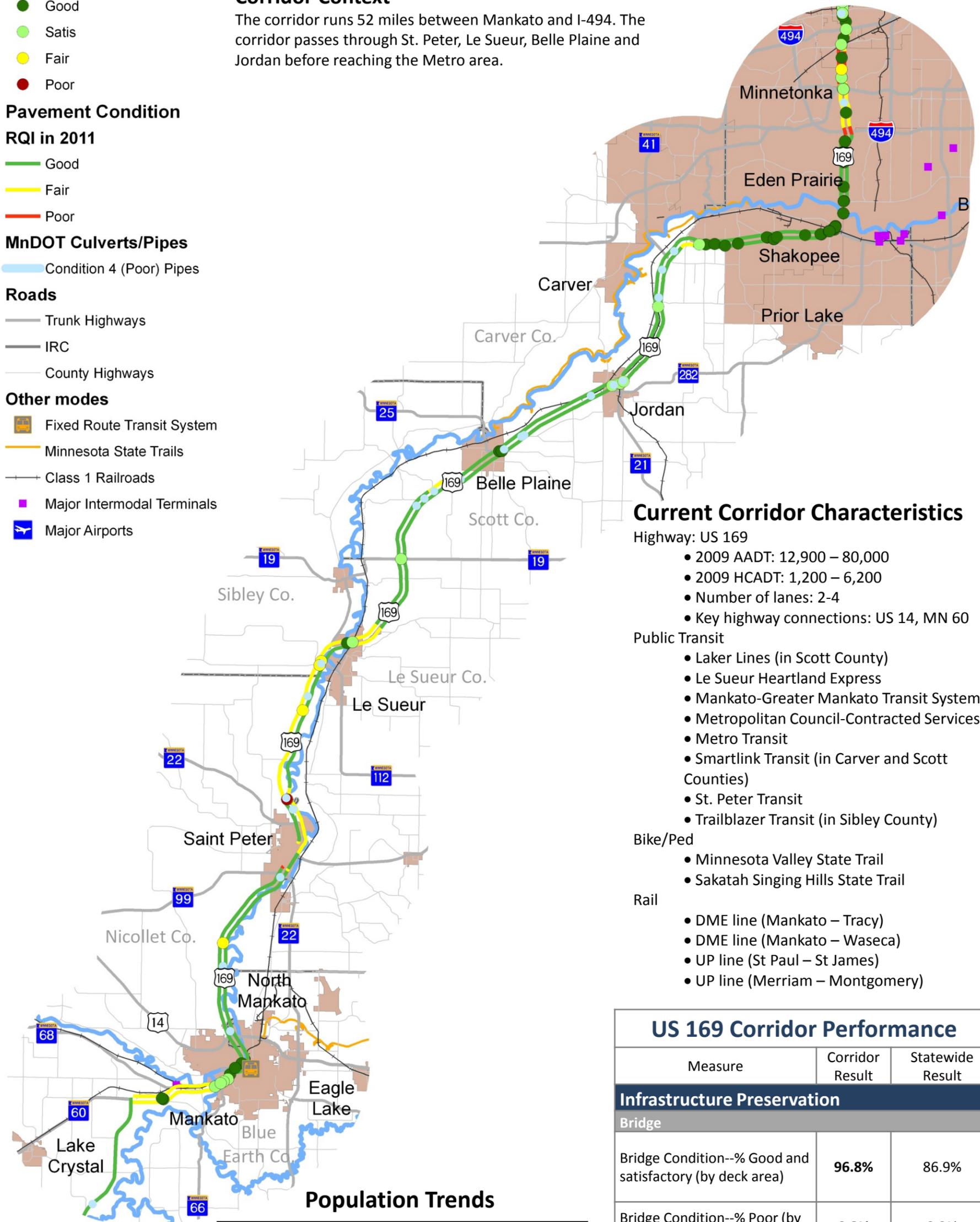
- Trunk Highways
- IRC
- County Highways

Other modes

- Fixed Route Transit System
- Minnesota State Trails
- Class 1 Railroads
- Major Intermodal Terminals
- Major Airports

Corridor Context

The corridor runs 52 miles between Mankato and I-494. The corridor passes through St. Peter, Le Sueur, Belle Plaine and Jordan before reaching the Metro area.



Current Corridor Characteristics

Highway: US 169

- 2009 AADT: 12,900 – 80,000
- 2009 HCADT: 1,200 – 6,200
- Number of lanes: 2-4
- Key highway connections: US 14, MN 60

Public Transit

- Laker Lines (in Scott County)
- Le Sueur Heartland Express
- Mankato-Greater Mankato Transit System
- Metropolitan Council-Contracted Services
- Metro Transit
- Smartlink Transit (in Carver and Scott Counties)
- St. Peter Transit
- Trailblazer Transit (in Sibley County)

Bike/Ped

- Minnesota Valley State Trail
- Sakatah Singing Hills State Trail

Rail

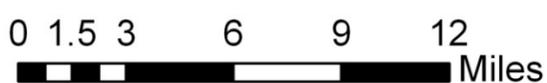
- DME line (Mankato – Tracy)
- DME line (Mankato – Waseca)
- UP line (St Paul – St James)
- UP line (Merriam – Montgomery)

Population Trends

County	Population		
	2000	2010	2035 Projection
Blue Earth	55,941	64,013	69,210
Le Sueur	25,426	27,703	38,130
Nicollet	29,771	32,727	36,940
Scott	89,498	129,928	299,660
Sibley	15,356	15,226	15,850
Total	215,992	269,597	459,790

US 169 Corridor Performance

Measure	Corridor Result	Statewide Result
Infrastructure Preservation		
Bridge		
Bridge Condition--% Good and satisfactory (by deck area)	96.8%	86.9%
Bridge Condition--% Poor (by deck area)	0.8%	3.2%
Pavement		
Ride Quality Good--% of miles	76.8%	70.2%
Ride Quality Poor--% of miles	0%	3.7%
Mobility		
Interregional Corridors--Greater MN--Predicted travel speed	62 MPH	N/A



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US 169 Interregional Corridor (Mankato - Twin Cities)

Existing Conditions - Safety

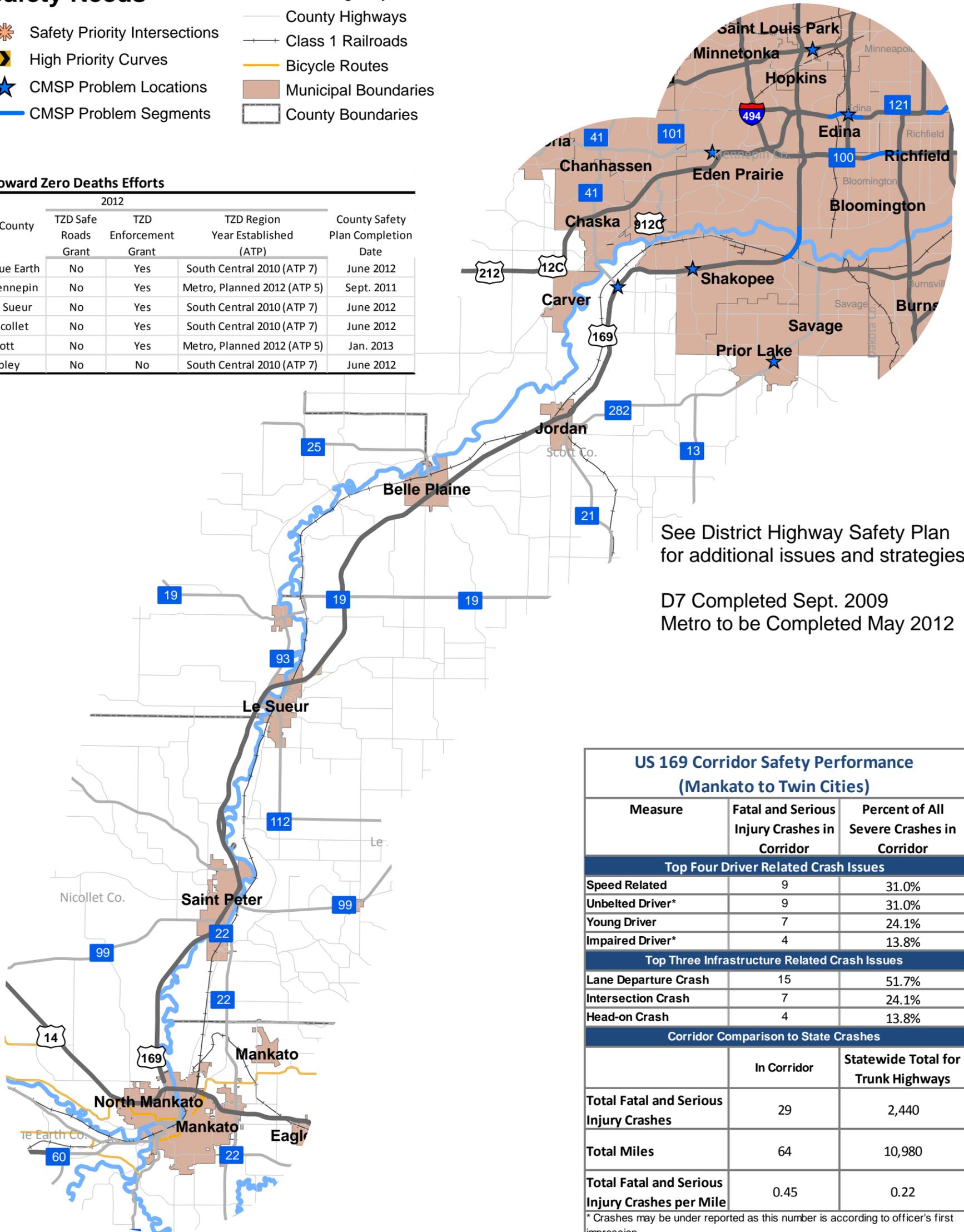
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Safety Needs

- Safety Priority Intersections
- High Priority Curves
- CMSP Problem Locations
- CMSP Problem Segments
- Trunk Highways
- County Highways
- Class 1 Railroads
- Bicycle Routes
- Municipal Boundaries
- County Boundaries

Toward Zero Deaths Efforts

County	2012		TZD Region Year Established (ATP)	County Safety Plan Completion Date
	TZD Safe Roads Grant	TZD Enforcement Grant		
Blue Earth	No	Yes	South Central 2010 (ATP 7)	June 2012
Hennepin	No	Yes	Metro, Planned 2012 (ATP 5)	Sept. 2011
Le Sueur	No	Yes	South Central 2010 (ATP 7)	June 2012
Nicollet	No	Yes	South Central 2010 (ATP 7)	June 2012
Scott	No	Yes	Metro, Planned 2012 (ATP 5)	Jan. 2013
Sibley	No	No	South Central 2010 (ATP 7)	June 2012



See District Highway Safety Plan for additional issues and strategies

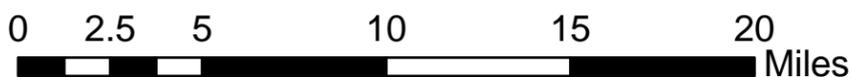
D7 Completed Sept. 2009
Metro to be Completed May 2012

US 169 Corridor Safety Performance (Mankato to Twin Cities)

Measure	Fatal and Serious Injury Crashes in Corridor	Percent of All Severe Crashes in Corridor
Top Four Driver Related Crash Issues		
Speed Related	9	31.0%
Unbelted Driver*	9	31.0%
Young Driver	7	24.1%
Impaired Driver*	4	13.8%
Top Three Infrastructure Related Crash Issues		
Lane Departure Crash	15	51.7%
Intersection Crash	7	24.1%
Head-on Crash	4	13.8%
Corridor Comparison to State Crashes		
	In Corridor	Statewide Total for Trunk Highways
Total Fatal and Serious Injury Crashes	29	2,440
Total Miles	64	10,980
Total Fatal and Serious Injury Crashes per Mile	0.45	0.22

* Crashes may be under reported as this number is according to officer's first impression

Note. Data presented include all fatal and serious injury crashes between 2006-2010.





US 169 Interregional Corridor (Mankato - Twin Cities) 2012-2015 STIP Projects

Map
B1

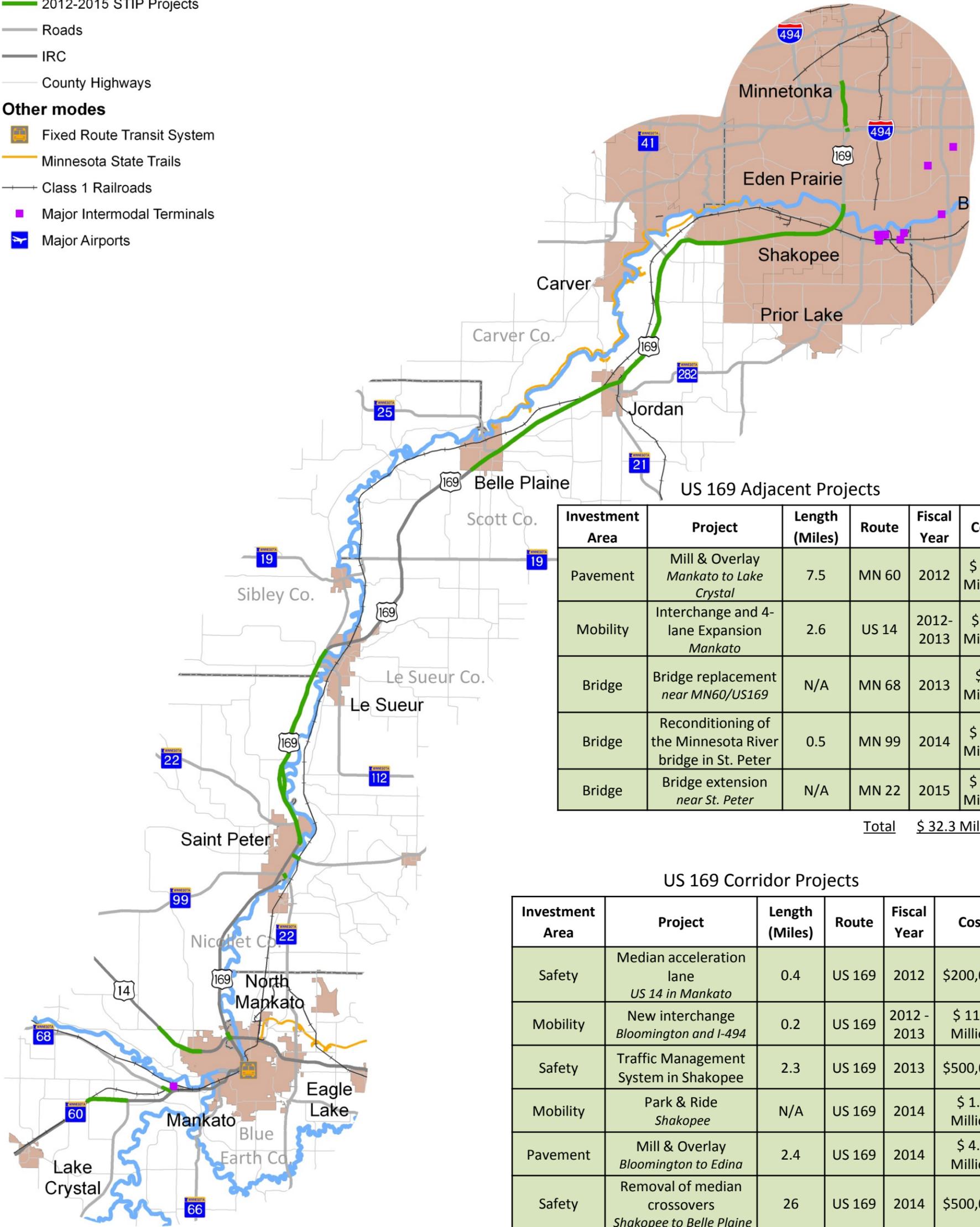
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Planned Highway Projects

- 2012-2015 STIP Projects
- Roads
- IRC
- County Highways

Other modes

- Fixed Route Transit System
- Minnesota State Trails
- Class 1 Railroads
- Major Intermodal Terminals
- Major Airports



US 169 Adjacent Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Pavement	Mill & Overlay <i>Mankato to Lake Crystal</i>	7.5	MN 60	2012	\$ 7.5 Million
Mobility	Interchange and 4-lane Expansion <i>Mankato</i>	2.6	US 14	2012-2013	\$ 18 Million
Bridge	Bridge replacement <i>near MN60/US169</i>	N/A	MN 68	2013	\$ 1 Million
Bridge	Reconditioning of the Minnesota River bridge in St. Peter	0.5	MN 99	2014	\$ 2.5 Million
Bridge	Bridge extension <i>near St. Peter</i>	N/A	MN 22	2015	\$ 3.3 Million

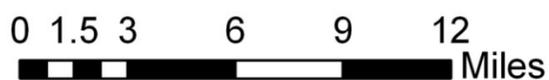
Total \$ 32.3 Million

US 169 Corridor Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Safety	Median acceleration lane <i>US 14 in Mankato</i>	0.4	US 169	2012	\$200,000
Mobility	New interchange <i>Bloomington and I-494</i>	0.2	US 169	2012 - 2013	\$ 11.5 Million
Safety	Traffic Management System in Shakopee	2.3	US 169	2013	\$500,000
Mobility	Park & Ride <i>Shakopee</i>	N/A	US 169	2014	\$ 1.2 Million
Pavement	Mill & Overlay <i>Bloomington to Edina</i>	2.4	US 169	2014	\$ 4.8 Million
Safety	Removal of median crossovers <i>Shakopee to Belle Plaine</i>	26	US 169	2014	\$500,000
Mobility	Interchange construction <i>CR 69 in Shakopee</i>	0.7	US 169	2014	\$ 15.4 Million
Pavement	Mill & Overlay <i>St. Peter to Le Sueur (SB lanes only)</i>	10.5	US 169	2015	\$ 4.6 Million
Safety	Median barrier installation in Jordan	1.1	US 169	2015	\$ 2.5 Million
Pavement Flood Mitigation	Raise highway <i>north of St. Peter</i>	1.9	US 169	2015	\$ 4.1 Million

Total \$ 45.4 Million

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US 169 Interregional Corridor (Mankato - Twin Cities) Anticipated Performance Based Investment Needs (2016-2021)*

Map
C1

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Infrastructure Needs

- Pavement in need of repair/reconstruction
- Bridges in need of replacement/repair
- Culverts in need of Replacement/Repair
- Condition 4 (Poor) Pipes

Safety Needs

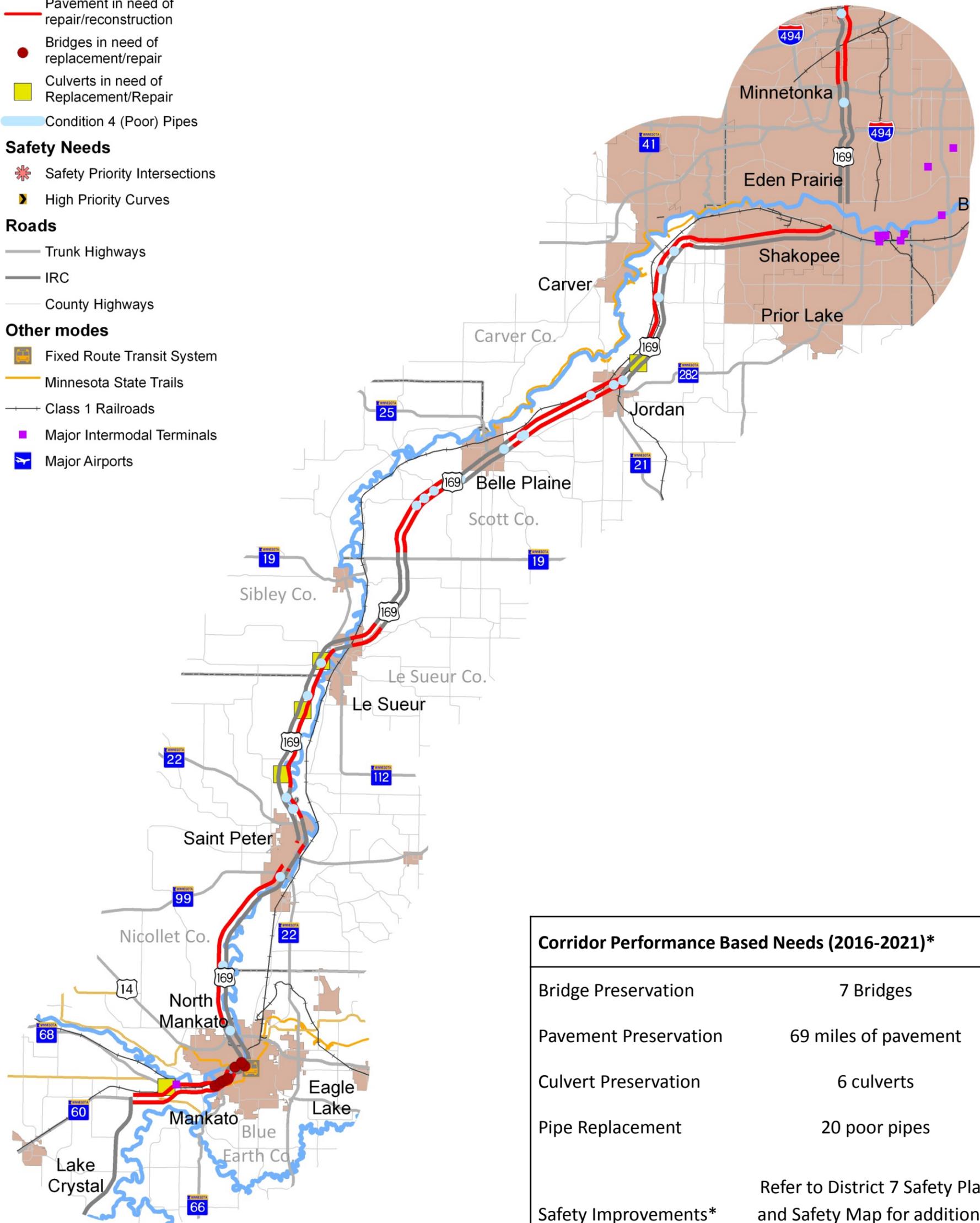
- ✱ Safety Priority Intersections
- ▶ High Priority Curves

Roads

- Trunk Highways
- IRC
- County Highways

Other modes

- Fixed Route Transit System
- Minnesota State Trails
- Class 1 Railroads
- Major Intermodal Terminals
- ✈ Major Airports

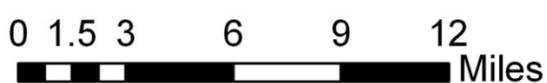


Corridor Performance Based Needs (2016-2021)*	
Bridge Preservation	7 Bridges
Pavement Preservation	69 miles of pavement
Culvert Preservation	6 culverts
Pipe Replacement	20 poor pipes
Safety Improvements*	Refer to District 7 Safety Plan and Safety Map for additional safety information
Mobility	None, corridor meets target for mobility

*Assumes completion of '12-'15 STIP projects.

*Systematic safety improvements are completed as part of most highway projects.

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US 169 Interregional Corridor (Mankato - Twin Cities) Recent Investments 2002-2011

Map
D1

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Recent Investments

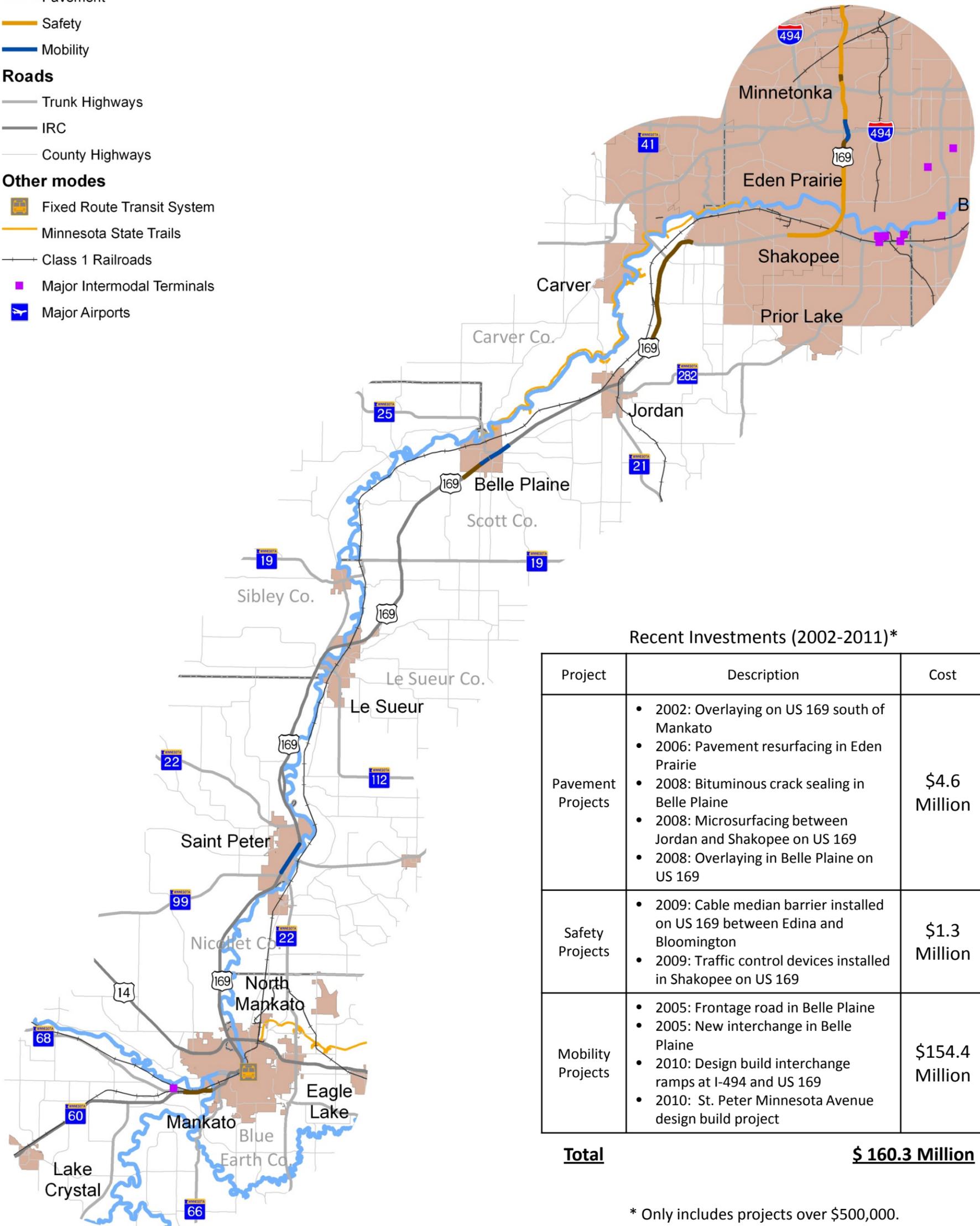
- Pavement
- Safety
- Mobility

Roads

- Trunk Highways
- IRC
- County Highways

Other modes

- Fixed Route Transit System
- Minnesota State Trails
- Class 1 Railroads
- Major Intermodal Terminals
- Major Airports



Recent Investments (2002-2011)*

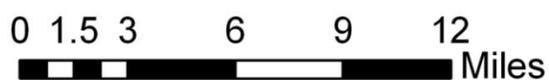
Project	Description	Cost
Pavement Projects	<ul style="list-style-type: none"> • 2002: Overlaying on US 169 south of Mankato • 2006: Pavement resurfacing in Eden Prairie • 2008: Bituminous crack sealing in Belle Plaine • 2008: Microsurfacing between Jordan and Shakopee on US 169 • 2008: Overlaying in Belle Plaine on US 169 	\$4.6 Million
Safety Projects	<ul style="list-style-type: none"> • 2009: Cable median barrier installed on US 169 between Edina and Bloomington • 2009: Traffic control devices installed in Shakopee on US 169 	\$1.3 Million
Mobility Projects	<ul style="list-style-type: none"> • 2005: Frontage road in Belle Plaine • 2005: New interchange in Belle Plaine • 2010: Design build interchange ramps at I-494 and US 169 • 2010: St. Peter Minnesota Avenue design build project 	\$154.4 Million

Total

\$ 160.3 Million

* Only includes projects over \$500,000. Systematic safety improvements are routinely included as part of most other projects

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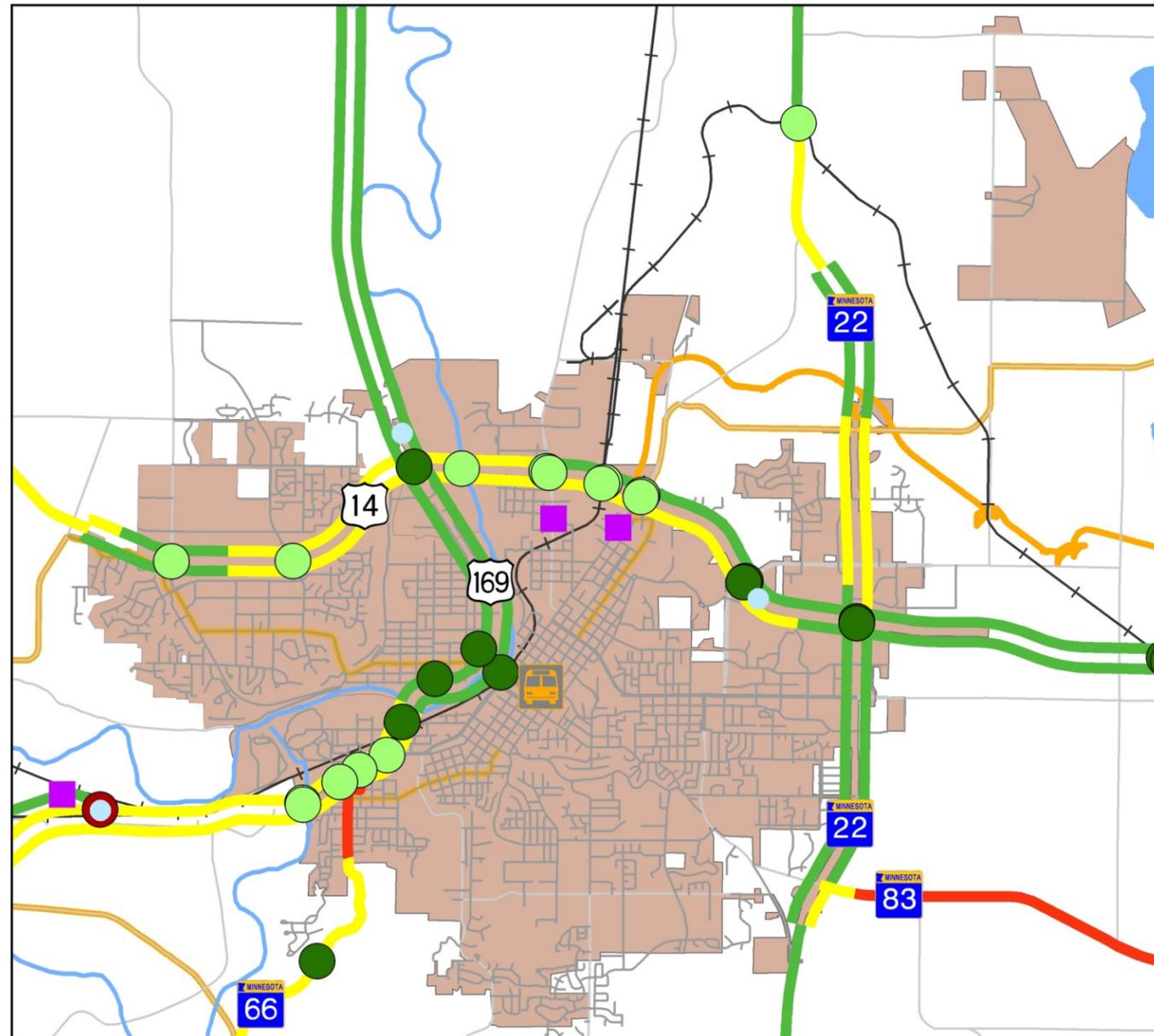


US 169 Regional Trade Center (Mankato) Existing Conditions

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Mankato/North Mankato

- Bridge Condition (2010)**
- GOOD
 - SATIS
 - FAIR
 - POOR
- Pavement Condition RQI in 2011**
- Good
 - Fair
 - Poor
- MnDOT Culverts/Pipes**
- Condition 4 (Poor) Pipes
- Roads**
- Municipal Roads
 - County Highways
 - Municipal Boundaries
- Other modes**
- Fixed Route Transit System
 - Bikeways/State Trails
 - Class 1 Railroads
 - Major Intermodal Terminals



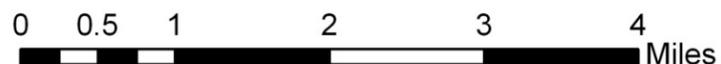
City	Population Trends	
	2000	2010
North Mankato	11,798	13,394
Mankato	32,427	39,309
Total	44,225	52,703

Trade Center Characteristics

- Public Transit**
- Mankato—Greater Mankato Transit provides fixed route and paratransit service
- Bicycle/Pedestrian**
- Mankato—Brownsville Bikeway
 - Sakatah Singing Hills State Trail
 - Sioux Falls—Winona Scenic Bikeway
- Key Airports**
- Mankato Airport
- Rail**
- UP line
 - CP (DME) line
- Major Industries**
- Healthcare, Education, Communications



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US 169 Regional Trade Center (Mankato) 2012-2015 STIP Projects

Map
B2

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Mankato/North Mankato

Planned Highway Projects

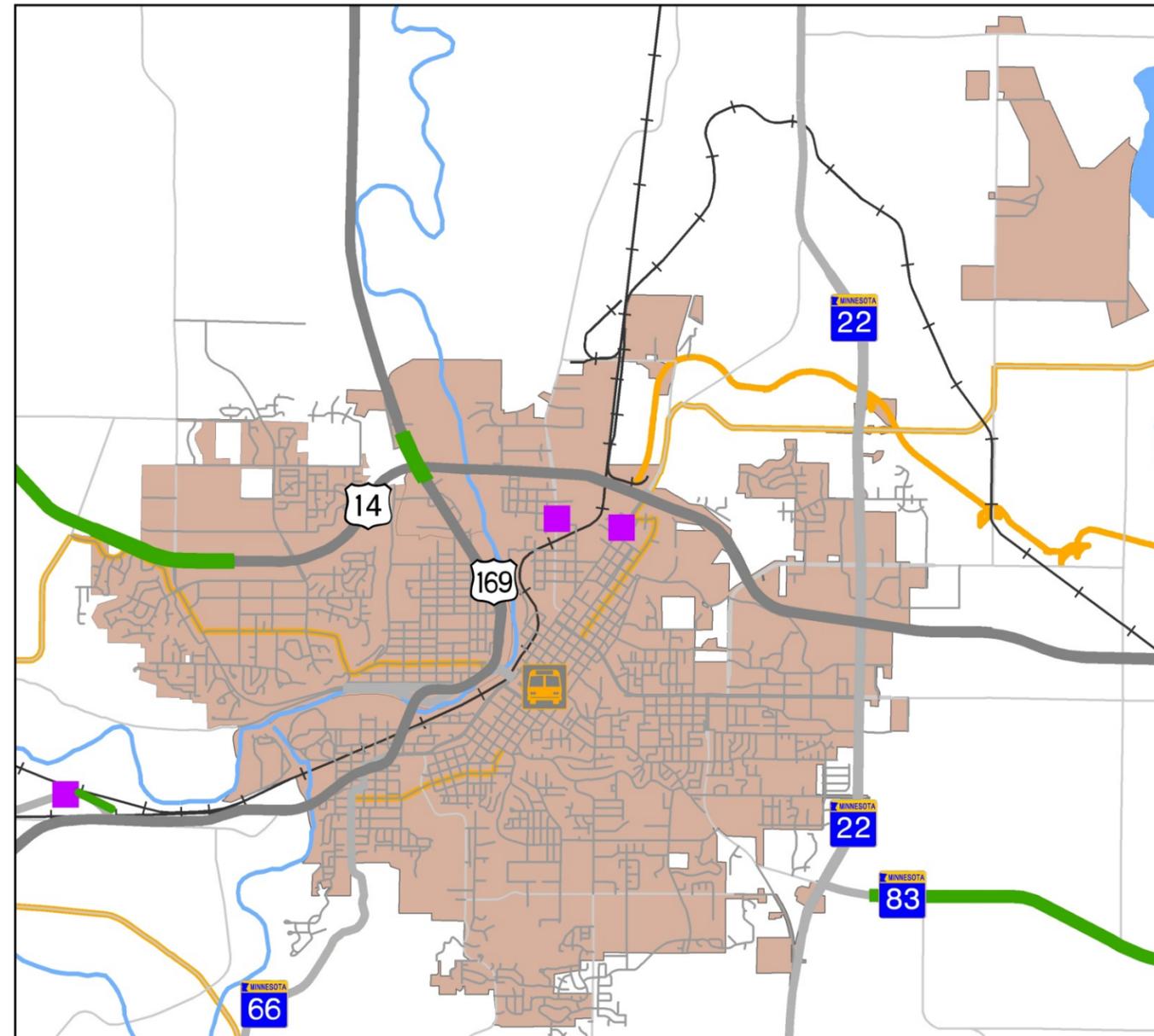
2012-2015 STIP Projects

Roads

- Trunk Highways
- IRC
- Municipal Roads
- County Highways

Other modes

- Fixed Route Transit System
- Bikeways/State Trails
- Class 1 Railroads
- Major Intermodal Terminals



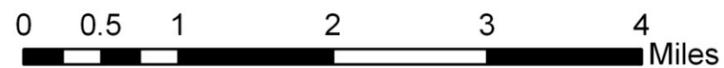
Mankato Area Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Safety	Construct Median Acceleration Lane <i>US 14 and US 169 Interchange</i>	0.4	US 169	2012	\$ 200,000
Mobility	Build Interchange at Blue Earth Co. Rd. 12	N/A	US 14	2012	\$ 6.5 Million (MnDOT Share)
Mobility	Interchange and 4-lane Expansion <i>At CSAH 41</i>	2.6	US 14	2012-2013	\$ 18 Million
Pavement	Reclaim, Mill and Overlay, TH 30 to TH 22 (AC Payback)	23.4	MN 83	2012	\$ 2.4 Million
Bridge	Bridge replacement <i>near MN60/US169 junction</i>	N/A	MN 68	2013	\$1 Million

Total \$ 28.1 Million



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US 169 Regional Trade Center (Mankato)

Anticipated Performance Based Investment Needs (2016-2021)*

Map
C2

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Mankato/North Mankato

Infrastructure Needs

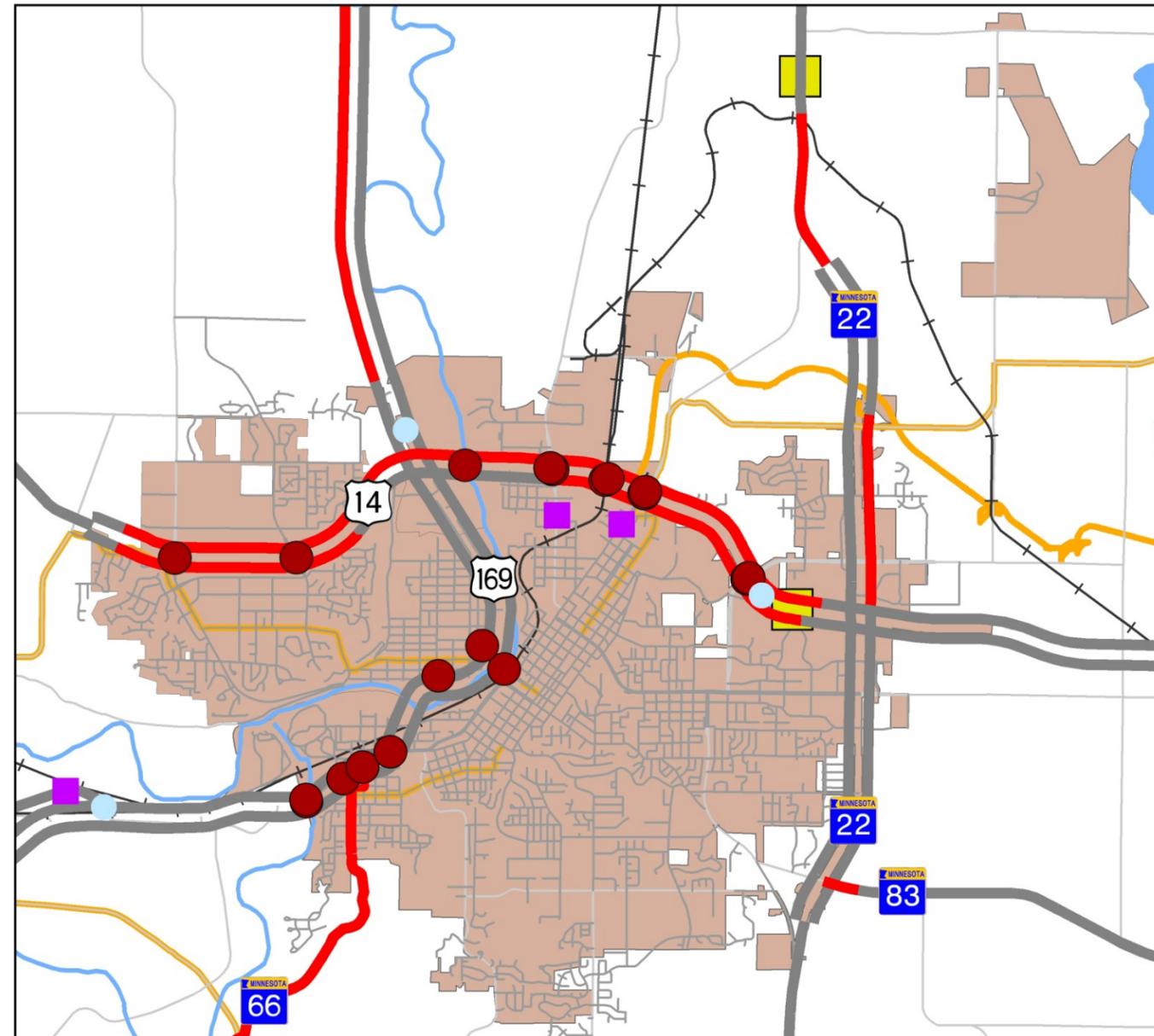
- Pavement in need of repair/reconstruction
- Bridges in need of replacement/repair
- Culverts in need of Replacement/Repair

MnDOT Culverts/Pipes

- Condition 4 (Poor) Pipes

Roads

- Municipal Roads
- County Highways
- Bikeways/State Trails
- Class 1 Railroads
- Major Intermodal Terminals



Corridor Performance Based Needs (2016-2021)

Bridge Preservation	14 bridges
Pavement Preservation	34 miles of pavement
Culvert Preservation	2 culverts
Pipe Replacement	3 poor pipes
Safety Improvements	Systematic safety improvements are included as part of most highway projects. Refer to District Highway Safety Plan for additional issues and strategies.

* Assumes completion of '12-'15 STIP projects



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0 0.5 1 2 3 4 Miles



US 169 Regional Trade Center (Mankato) Recent Investments 2002-2011

Map
D2

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Mankato/North Mankato

Recent Investments

Pavement

Roads

Trunk Highways

IRC

Municipal Roads

County Highways

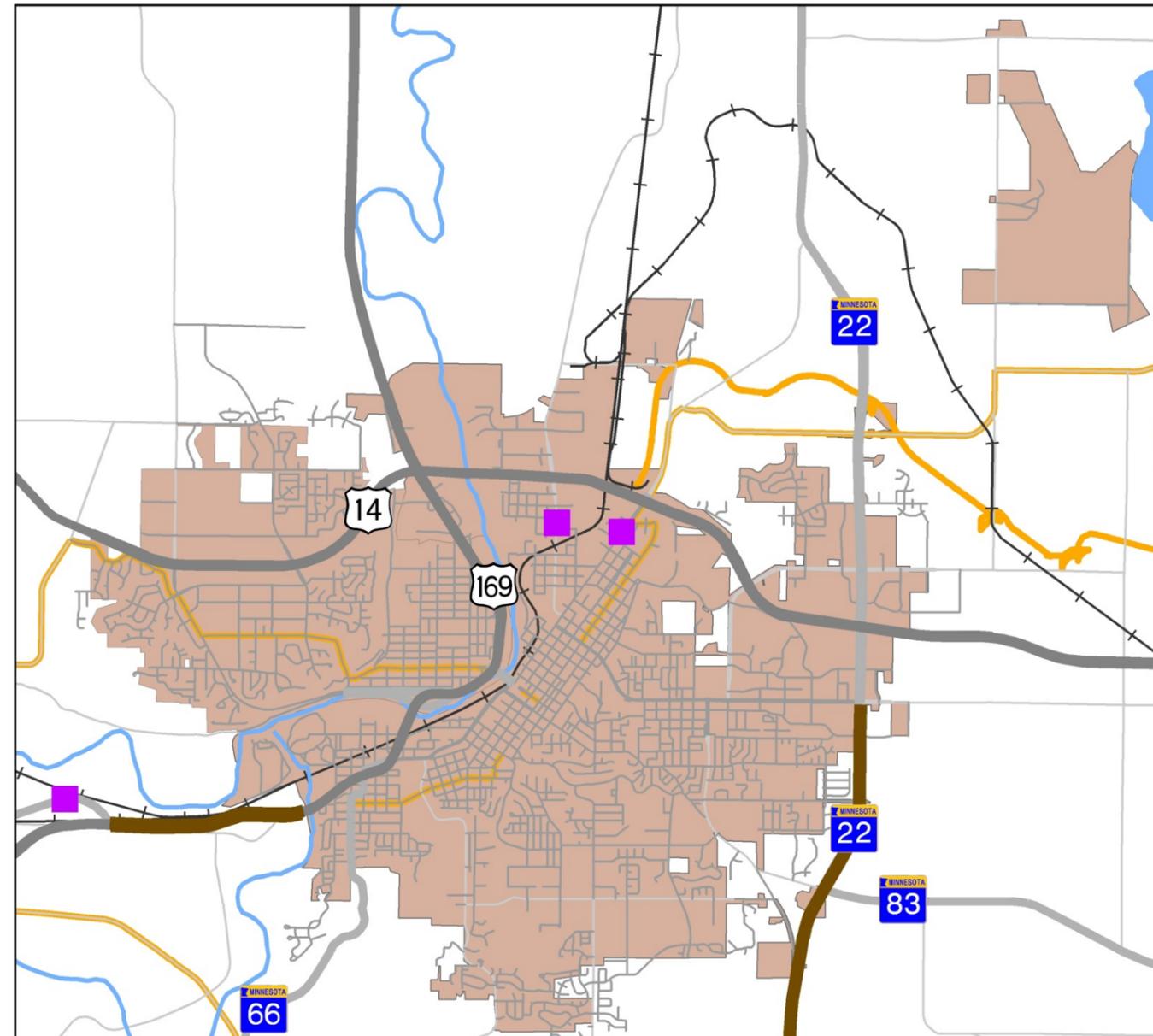
Other Modes

Bikeways/State Trails

Class 1 Railroads

Major Intermodal Terminals

Major Airports



Recent Investments (2002-2011)*

Project	Description	Cost
Pavement Projects	<ul style="list-style-type: none"> 2002: Grade and Surface from TH 68 to Mankato on US 169 2005-2006: Resurface and Rehab, Cut down hill grade on MN 22 	\$ 8.6 Million
Safety	<ul style="list-style-type: none"> 2011: High Tension Cable Guardrail (North Mankato, Mankato) Not mapped 	\$ 625,000

Total

\$ 9.2 Million

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