



# I-94 Central Existing Conditions

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## Corridor Context

The corridor runs 12 miles between Downtown Minneapolis and Downtown St Paul. The corridor serves as an important East-West connection for the Metro area. A portion of the corridor has been repaved with improvements made to drainage, bridges, and updated with Intelligent Transit Systems. Green Line LRT (Central Corridor) is expected to open service in 2014 north of the corridor.



### Bridge Condition (2010)

- GOOD
- SATIS
- FAIR
- POOR

### Pavement Condition

#### RQI in 2011

- Good
- Fair
- Poor

### MnDOT Culverts/Pipes

- Condition 4 (Poor) Pipes

### Roads

- Trunk Highways
- County Highways

### Transit Advantages

- Bus only Shoulder

### Existing Transitway

- Blue Line (Hiawatha LRT)
- Stations
- Ⓜ Transit Centers

### Park and Rides

- Ⓜ 0 - 100 Spaces
- Ⓜ 101 - 500 Spaces
- Ⓜ 501 - 1482 Spaces

### Other Modes

- Class 1 Railroads
- Major Intermodal Terminals

### Population Trends

City	Population	
	2000	2010
Minneapolis	382,618	382,578
St. Paul	287,151	285,068
<b>Total</b>	<b>669,769</b>	<b>667,646</b>

### I-94 Corridor Performance

Measure	Result	Statewide Result
<b>Infrastructure Preservation</b>		
<b>Bridge</b>		
Bridge Condition--% Good and satisfactory (by deck area)	<b>75.8%</b>	86.9%
Bridge Condition--% Poor (by deck area)	<b>1.3%</b>	3.2%
<b>Pavement</b>		
Ride Quality Good--% of miles	<b>42.4%</b>	70.2%
Ride Quality Poor--% of miles	<b>4.8%</b>	3.7%

### Current Corridor Characteristics

#### Highway: I-94

- 2009 AADT: 141,000 – 197,000
- 2009 HCADT: 6,100 – 8,100
- Number of lanes: 6-8
- Key highway connections: I-35W, MN 280, I-35E

#### Public Transit

- Blue Line (Hiawatha LRT)

#### Rail

- SOO line (St. Paul-Merriam Park)

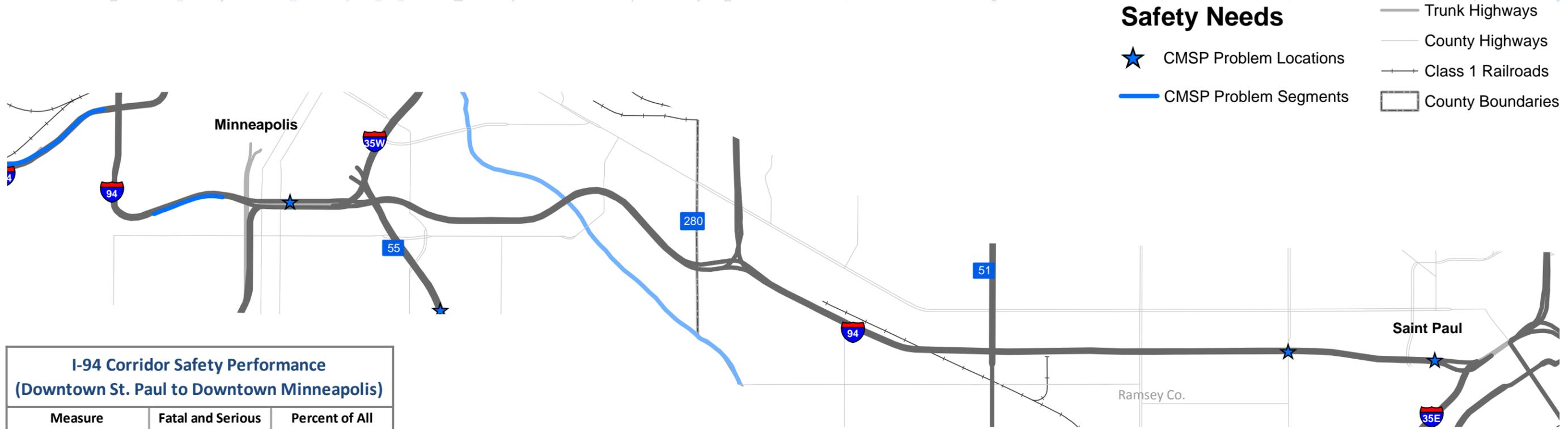
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# I-94 Central Existing Conditions - Safety

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## Safety Needs

- ★ CMSP Problem Locations
- CMSP Problem Segments
- Trunk Highways
- County Highways
- Class 1 Railroads
- County Boundaries

I-94 Corridor Safety Performance (Downtown St. Paul to Downtown Minneapolis)		
Measure	Fatal and Serious Injury Crashes in Corridor	Percent of All Severe Crashes in Corridor
<b>Top Four Driver Related Crash Issues</b>		
Speed Related	10	43.5%
Unbelted Driver*	8	34.8%
Impaired Driver*	7	30.4%
Young Driver	4	17.4%
<b>Top Three Infrastructure Related Crash Issues</b>		
Lane Departure Crashes	11	47.8%
Interchange	4	17.4%
Head-on Crashes	1	4.3%
<b>Corridor Comparison to State Crashes</b>		
	<b>In Corridor</b>	<b>Statewide Total for Interstates</b>
Total Fatal and Serious Injury Crashes	23	518
Total Miles	10	916
Total Fatal and Serious Injury Crashes per	2.30	0.57

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

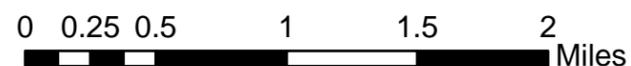
Note. Data presented include all fatal and serious injury crashes between 2006-2010.

See District Highway Safety Plan for additional issues and strategies

Metro To Be Completed May 2012

## Toward Zero Deaths Efforts

County	2012		TZD Region Year Established (ATP)	County Safety Plan Completion Date
	TZD Safe Roads Grant	TZD Enforcement Grant		
Hennepin	No	Yes	Metro, Planned 2012 (ATP 5)	Dec. 2011
Ramsey	No	Yes	Metro, Planned 2012 (ATP 5)	Jan. 2013

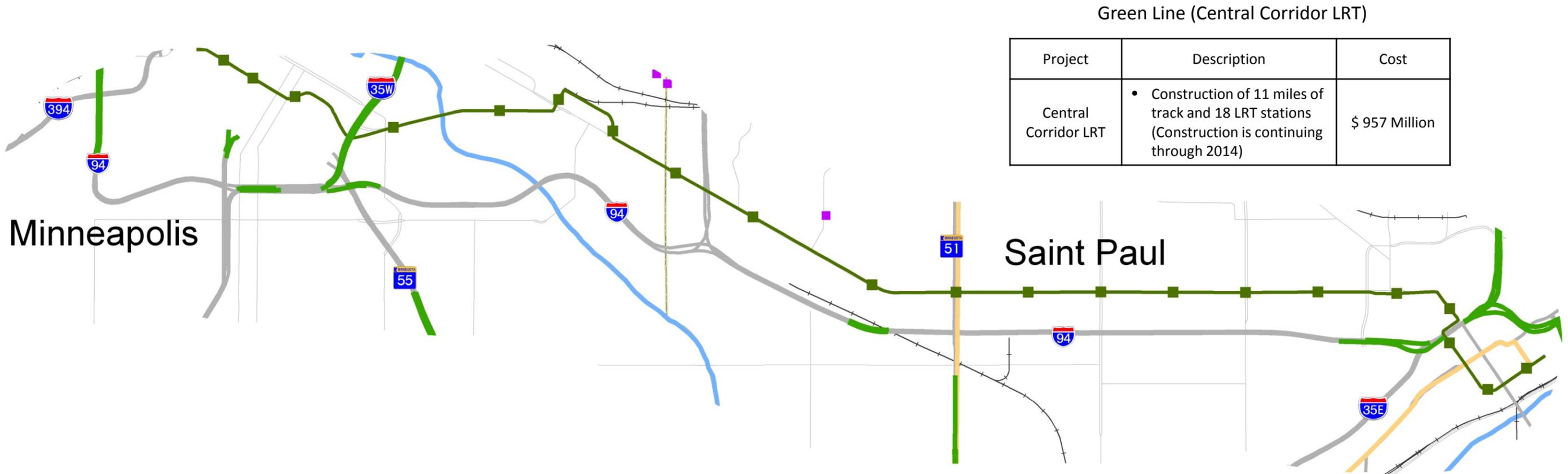




# I-94 Central 2012-2015 STIP Projects

Map  
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Green Line (Central Corridor LRT)

Project	Description	Cost
Central Corridor LRT	<ul style="list-style-type: none"> <li>Construction of 11 miles of track and 18 LRT stations (Construction is continuing through 2014)</li> </ul>	\$ 957 Million

I-94 Projects

Investment Area	Project	Length (Miles)	Fiscal Year	Cost
Signage	Sign Replacement <i>I-694 to Lowry Tunnel</i>	8.6	2014	\$ 400,000
Noise Wall	Noise Wall Construction <i>Prior Ave to Fairview Ave</i>	0.3	2014	\$ 995,000
Bridge	Paint, and bearing work WB ramp over LRT; Deck repairs <i>I-94 &amp; I-394</i>	0.5	2015	\$ 1.8 Million

Total: \$ 3.2 Million

I-94 Adjacent Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Mobility	Construct Entrance Ramp, add aux lane <i>3<sup>rd</sup> &amp; 4<sup>th</sup> St ramps to Johnson St</i>	2.0	I-35W	2012	\$ 13.5 Million
Signage	Replace Signing <i>John Ireland Blvd to I-694/I-494</i>	7.7	I-94	2012	\$ 500,000
Cayuga Bridge	Road Construction, retaining walls, bridges	3.3	I-35E	2012-2014	\$ 147 Million
Other Infrastructure	Storm Tunnel repair <i>South of Miss River to I-35W/I-94 Commons</i>	0.8	I-35W	2015	\$ 2.7 Million

Total \$ 164 Million

**Planned Highway Projects**

2012-2015 STIP Projects

**Planned Transitways**

Arterial BRT Line

**Roads**

Trunk Highways

County Highways

**Existing Transitways**

Green Line (Central Corridor LRT)

Stations

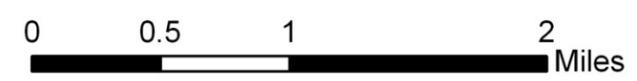
**Other Modes**

Class 1 Railroads

Major Intermodal Terminals



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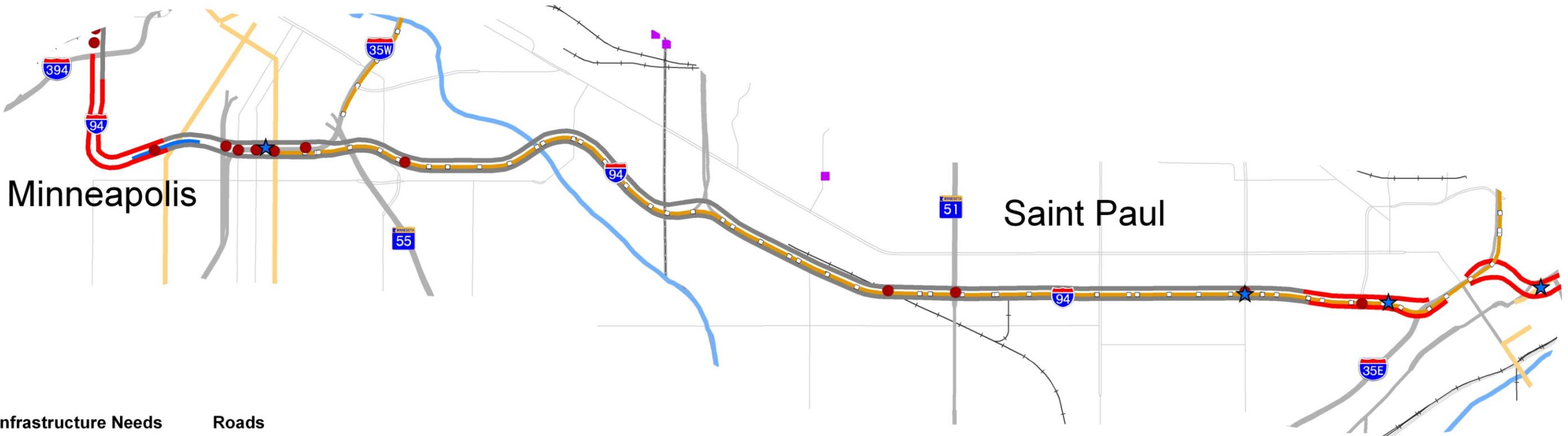


# I-94 Central

## Anticipated Performance Based Investment Needs (2016-2021)\*

Map  
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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

### Mobility

- ★ CMSP Problem Locations
- CMSP Problem Segments
- - - Future Managed Lane

### Roads

- Trunk Highways
- County Highways

### Future Transit

- Arterial BRT

### Park and Rides

- P New or Expanded Facility

### Other Modes

- Class 1 Railroads
- Major Intermodal Terminals

### Corridor Performance Based Needs (2016-2021)

Bridge Preservation	11 Bridges
Pavement Preservation	4 miles of poor pavement
Culvert Preservation	0 Culverts
Pipe Replacement	0 Poor pipes
Safety Improvements*	4 CMSP Locations 1 CMSP Segment
Mobility	Future MnPASS Corridor



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

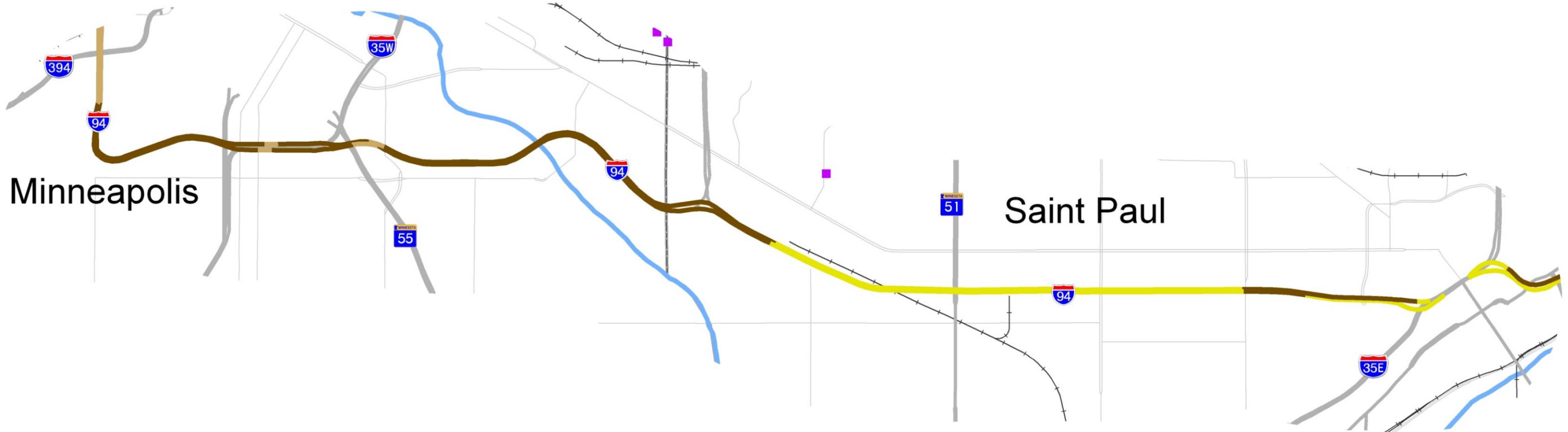
\*Systematic safety improvements are included as part of most highway projects. Refer to safety map for additional safety information



# I-94 Central Recent Investments 2002-2011

Map  
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### Recent Investments

- Pavement
- Bridge
- Other Infrastructure

### Recent Park and Rides

- P 0 - 100 Spaces
- P 101 - 500 Spaces
- P 501 - 1482 Spaces

### Roads

- Trunk Highways
- County Highways

### Other Modes

- Class 1 Railroads
- Major Intermodal Terminals



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### Recent Investments (2002-2011)\*

Project	Description	Cost
Bridge Projects	<ul style="list-style-type: none"> <li>• 2010: Redeck, approach panel replacement (Chicago Ave bridge)</li> <li>• 2010: WB off ramp over LRT, and over I-35W Redeck bridges</li> <li>• 2007: Bridge rehab fill-deck (Dunwoody, I-394, Lyndale Ave)</li> </ul>	\$ 7.7 Million
Pavement Projects	<ul style="list-style-type: none"> <li>• 2011: Mill and overlay, concrete pavement repair (Nicollet Ave to Cretin/Vandalia)</li> <li>• 2010: Mill and overlay, shoulder reconstruct (TH 280 to Western Ave)</li> <li>• 2004: Concrete retrofit</li> </ul>	\$ 26.3 Million
Other Infrastructure	<ul style="list-style-type: none"> <li>• 2011: Intelligent Transit System (Lowry Tunnel to John Ireland Blvd)</li> <li>• 2002: Traffic Control Devices (Lowry Tunnel Lighting)</li> </ul>	\$ 9.3 Million

### Total

**\$ 43.3 Million**

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

