

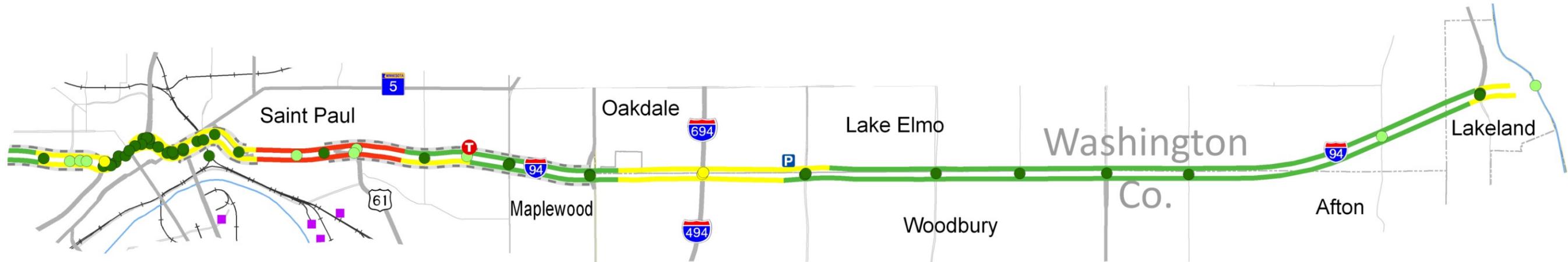


# I-94 East Existing Conditions

**This map was created using data that is now out of date.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>.**

## Corridor Context

The corridor runs 16 miles between downtown St. Paul and the Wisconsin state border. The corridor serves as an important East-West connection for the Metro area, serving the communities of Saint Paul, Maplewood, Oakdale, Woodbury, Lake Elmo, Afton, and Lakeland.



### 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

### Transit

- 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
Lakeland	1,917	1,796
Lake Elmo	6,863	8,069
Maplewood	34,947	38,018
Oakdale	26,653	27,378
St. Paul	287,151	285,068
Woodbury	46,463	61,961
<b>Total</b>	<b>403,994</b>	<b>422,290</b>

### I-94 East Corridor Performance

Measure	Result	Statewide Result
<b>Infrastructure Preservation</b>		
<b>Bridge</b>		
Bridge Condition--% Good and satisfactory (by deck area)	<b>100%</b>	86.9%
Bridge Condition--% Poor (by deck area)	<b>0%</b>	3.2%
<b>Pavement</b>		
Ride Quality Good--% of miles	<b>64.5%</b>	70.2%
Ride Quality Poor--% of miles	<b>10.3%</b>	3.7%

### Current Corridor Characteristics

#### Highway: I-94

- 2009 AADT: 79,000 – 153,000
- 2009 HCADT: 4,100 – 9,900
- Number of lanes: 6-8
- Key highway connections: I-35E, I-494, US 61, MN 95

#### Public Transit

- One Park and Ride lot with a capacity of 400 parking spaces

#### Rail

- Amtrak line to Chicago
- BNSF line

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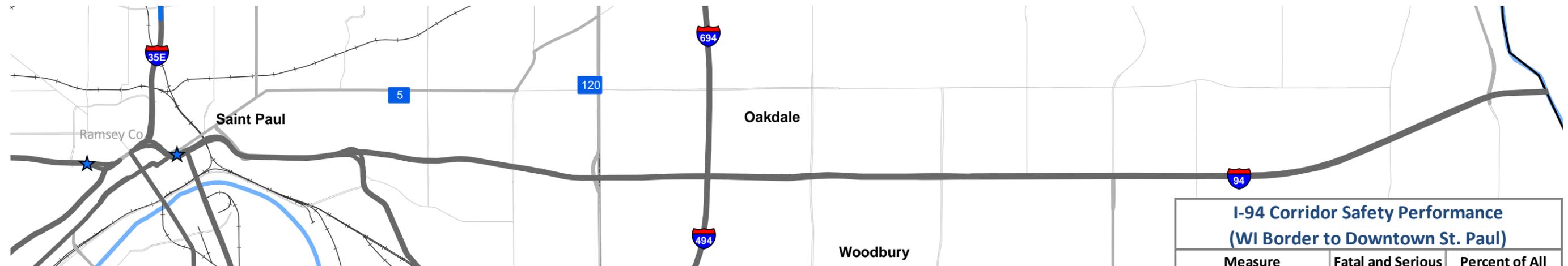


# I-94 East Existing Conditions - Safety

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## Safety Needs

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



See District Highway Safety Plan for additional issues and strategies

Metro To Be Completed May 2012

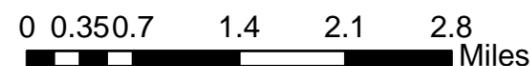
### Toward Zero Deaths Efforts

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

### I-94 Corridor Safety Performance (WI Border to Downtown St. Paul)

Measure	Fatal and Serious Injury Crashes in Corridor	Percent of All Severe Crashes in Corridor
<b>Top Four Driver Related Crash Issues</b>		
Impaired Driver*	10	32.3%
Unbelted Driver*	9	29.0%
Speed	7	22.6%
Invalid License	6	19.4%
<b>Top Three Infrastructure Related Crash Issues</b>		
Lane Departure Crashes	12	38.7%
Interchange	8	25.8%
Head-on Crashes	3	9.7%
<b>Corridor Comparison to State Crashes</b>		
	<b>In Corridor</b>	<b>Statewide Total for Interstates</b>
Total Fatal and Serious Injury Crashes	31	518
Total Miles	18	916
Total Fatal and Serious Injury Crashes per Mile	1.72	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.





# I-94 East 2012-2015 STIP Projects

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Planned Transit Investments	
Manning Ave Park and Ride	\$ 12 Million
<b>Total</b>	<b>\$ 12 Million</b>



I-94E Projects

Investment Area	Project	Length (Miles)	Fiscal Year	Cost
Pavement, Mobility	Mill and Overlay, Access Management, Auxiliary lane <i>Brookview Dr to 4<sup>th</sup> St</i>	0.6	2012	\$ 1.7 Million
Signing	Replace signing <i>John Ireland Blvd to I-694/I-494</i>	7.7	2012	\$ 500,000
Bridge	Bridge Deck Sealant (WisDOT let) <i>Bridge over St. Croix River</i>	N/A	2013	\$ 2.2 Million
Storm Sewer	Repair or replace deteriorating pipes, structures & aprons <i>TH61 to McKnight</i>	1.4	2013	\$ 610,000
Mobility	Add aux lane, noisewall, drainage, pond, TMS, signing, lighting, guardrail <i>EB from 7<sup>th</sup> St to Mounds Blvd</i>	1.3	2015	\$ 3.5 Million
Traffic Mgmt	Traffic Management System <i>CSAH-15 to St Croix River</i>	5.0	2015	\$ 350,000

Total: \$ 8.5 Million

I-94E Adjacent Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Cayuga Bridge	Road construction, retaining walls, bridges	3.3	I-35E	2012-2014	\$ 147 Million
Signing	Replace Signing <i>TH 55 to I-94</i>	9.4	US 52	2014	\$ 500,000
Storm Sewer	Repair or replace deteriorating pipes, structures & aprons MN120 <i>Conway to I-94 (and on I-94 TH61 to McKnight)</i>	1.4	MN 120	2013	\$ 610,000
Traffic Mgmt	Freeway Management System	18.3	US 61	2014	\$ 3.7 Million

Total \$ 151.8 Million

**Planned Highway Projects**

2012-2015 STIP Projects

**Planned Transit Investments**

New Park and Ride

**Roads**

Trunk Highways

County Highways

**Other Modes**

Class 1 Railroads

Major Intermodal Terminals

**Existing Transitways**

Green Line (Central Corridor LRT)

Stations



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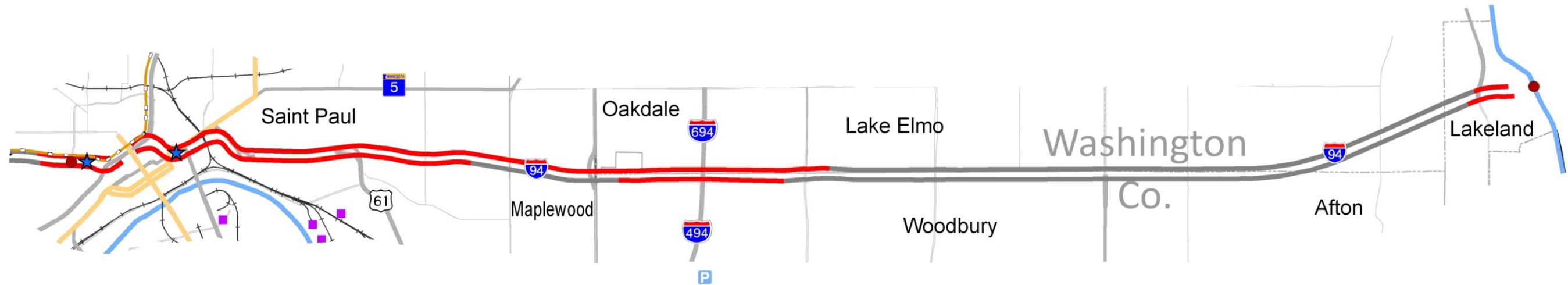


# I-94 East

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

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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	2 Bridges
Pavement Preservation	17 miles of poor pavement
Culvert Preservation	0
Pipe Replacement	0 Poor pipes
Safety Improvements*	2 CMSP Locations
Mobility	0 CMSP Segments

### Potential Transit Investments

Park and Rides	Woodbury Theatre Park and Ride Expansion 450 New Spaces
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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



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# I-94 East Recent Investments 2002-2011

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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

Recent Transit Investments	
Guardian Angels Park and Ride	\$ 1.2 Million
<b>Total</b>	<b>\$ 1.2 Million</b>

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

Project	Description	Cost
Bridge Projects	<ul style="list-style-type: none"> <li>• 2011-2014: Lafayette Bridge replacement (US 52)</li> <li>• Bridge Painting</li> </ul>	\$ 132 Million
Mobility	<ul style="list-style-type: none"> <li>• 2008: Frontage Rd Construction, and on-ramp to I-94 (City of Woodbury)</li> </ul>	\$ 550,000
Pavement Projects	<ul style="list-style-type: none"> <li>• 2009: Concrete pavement repair (TH120 to West end of St Croix Bridge)</li> <li>• 2004: Concrete roadway repair; replace joints and misc. repairs on two bridges (TH52 to Ruth St)</li> <li>• 2004: Concrete retrofit</li> </ul>	\$ 10.6 Million
Other Infrastructure	<ul style="list-style-type: none"> <li>• 2011: Aux lane EB, retaining wall, storm sewers, storm water ponds (NB TH61 to White Bear Ave)</li> <li>• 2010: New Signals at I-94 ramps and traffic signal at MN 95</li> <li>• 2002: Incident Management System (I-35E to TH95)</li> </ul>	\$ 3.4 Million

**Total** **\$ 146.6 Million**

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



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