



I-90 Interregional Corridor (Wisconsin - Albert Lea) Existing Conditions

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Bridge Condition (2010) Roads

- GOOD
- SATIS
- FAIR
- POOR

- Trunk Highways
- IRC
- County Highways
- Municipal Boundaries
- County Boundaries

Pavement Condition

RQI in 2011

- Good
- Fair
- Poor

MnDOT Culverts/Pipes

- Condition 4 (Poor) Pipes

Other modes

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

Corridor Context

The corridor runs over 120 miles from Albert Lea to the Wisconsin State Line and serves as an important interstate connection for southern Minnesota. It links the cities of La Crescent, Winona, Saint Charles, Rochester, Stewartville, Austin and Albert Lea.

Current Corridor Characteristics

- Highway: I-90
- 2009 AADT: 6,200 – 24,900
 - 2009 HCADT: 1,200 – 3,500
 - Number of lanes: 4 – 6
 - Key highway connections: I 35, US 52, US 61, US 63, US 69

Public Transit

- Albert Lea Transit
- Austin-Mower County Area Transit
- La Crescent Apple Express
- Rochester Public Transit and Dial-A-Ride
- SEMCAC Transportation
- Winona Transit Service

Bicycle/Pedestrian

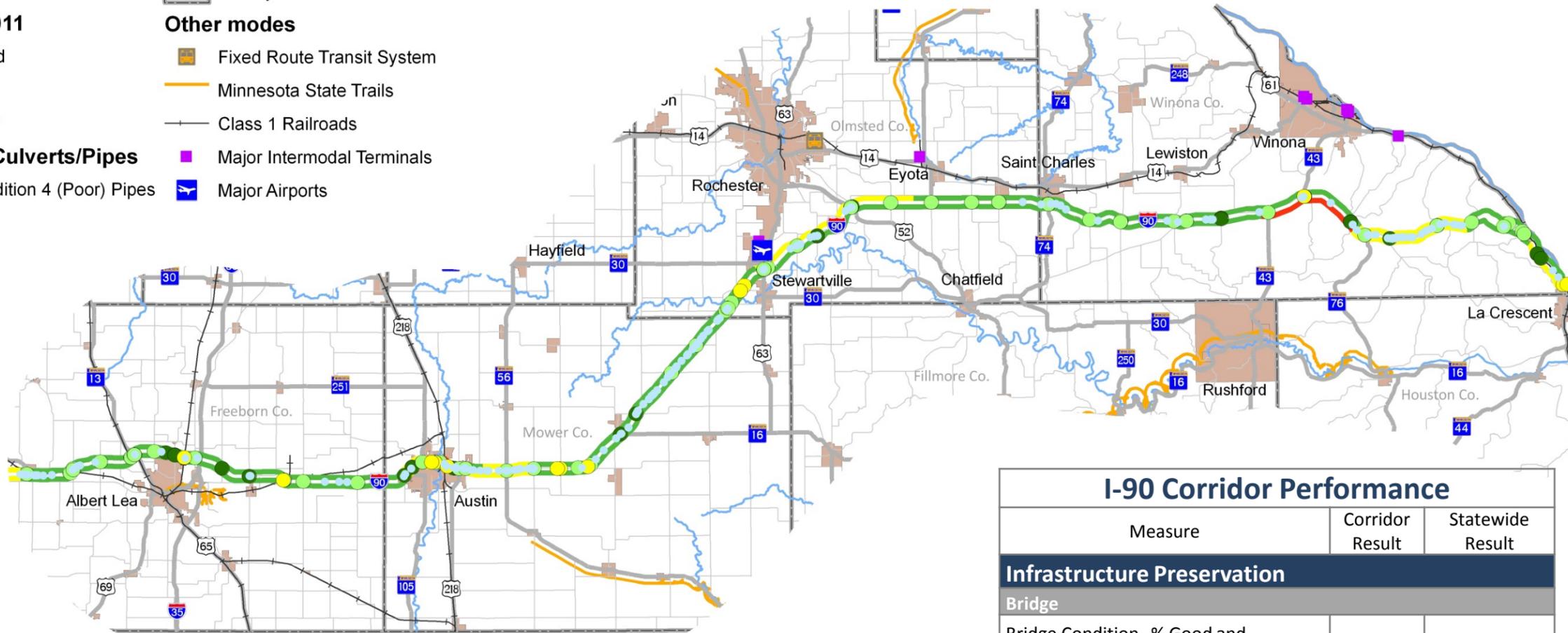
- Blazing Star State Trail
- Great River Ridge State Trail
- Shooting Star State Trail

Major Airports

- Rochester International Airport

Rail

- SOO line (State Line – St. Croix)
- DME line (South Dakota – Wisconsin)
- DME line (State Line – Ramsey)
- UP line (Iowa to Twin Cities)



Population Trends

County	Population		
	2000	2010	2035 Projection
Freeborn	32,584	31,255	31,940
Mower	38,603	39,163	41,210
Olmsted	124,277	144,248	189,110
Winona	49,985	51,461	51,160
Total	245,449	266,127	313,420

I-90 Corridor Performance

Measure	Corridor Result	Statewide Result
Infrastructure Preservation		
Bridge		
Bridge Condition--% Good and satisfactory (by deck area)	66.6%	86.9%
Bridge Condition--% Poor (by deck area)	0%	3.2%
Pavement		
Ride Quality Good--% of miles	70.5%	70.2%
Ride Quality Poor--% of miles	3.4%	3.7%
Mobility		
Interregional Corridors--Greater MN--Predicted travel speed	73 MPH	N/A



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I-90 Interregional Corridor (Wisconsin - Albert Lea) Existing Conditions - Safety

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Safety Needs

- Safety Priority Intersections
- High Priority Curves

- Trunk Highways
- County Highways
- Class 1 Railroads
- Bicycle Routes
- Municipal Boundaries
- County Boundaries



See District Highway Safety Plan for additional issues and strategies

D6 Completed Oct. 2011

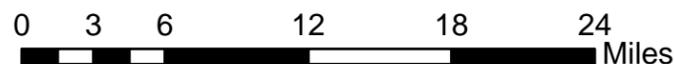
Toward Zero Deaths Efforts

County	2012		TZD Region Year Established (ATP)	County Safety Plan Completion Date
	TZD Safe Roads Grant	TZD Enforcement Grant		
Freeborn	No	No	Southeast 2006 (ATP 6)	Oct. 2010
Mower	Yes	Yes	Southeast 2006 (ATP 6)	Oct. 2010
Olmsted	Yes	Yes	Southeast 2006 (ATP 6)	Oct. 2010
Winona	Yes	Yes	Southeast 2006 (ATP 6)	Oct. 2010

I-90 Corridor Safety Performance (WI to Albert Lea)

Measure	Fatal and Serious Injury Crashes in Corridor	Percent of All Severe Crashes in Corridor
Top Four Driver Related Crash Issues		
Unbelted Driver*	15	41.7%
Speed Related	9	25.0%
Young Driver	8	22.2%
Older Driver	6	16.7%
Top Three Infrastructure Related Crash Issues		
Lane Departure Crash	28	77.8%
Head-on Crash	3	8.3%
Intersection Crash	2	5.6%
Corridor Comparison to State Crashes		
	In Corridor	Statewide Total for Interstates
Total Fatal and Serious Injury Crashes	36	518
Total Miles	118	916
Total Fatal and Serious Injury Crashes per	0.31	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-90 Interregional Corridor (Wisconsin - Albert Lea) 2012-2015 STIP Projects

Map
B1

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Planned Highway Projects

2012-2015 STIP Projects

Roads

Trunk Highways

IRC

County Highways

Other modes

Fixed Route Transit System

Minnesota State Trails

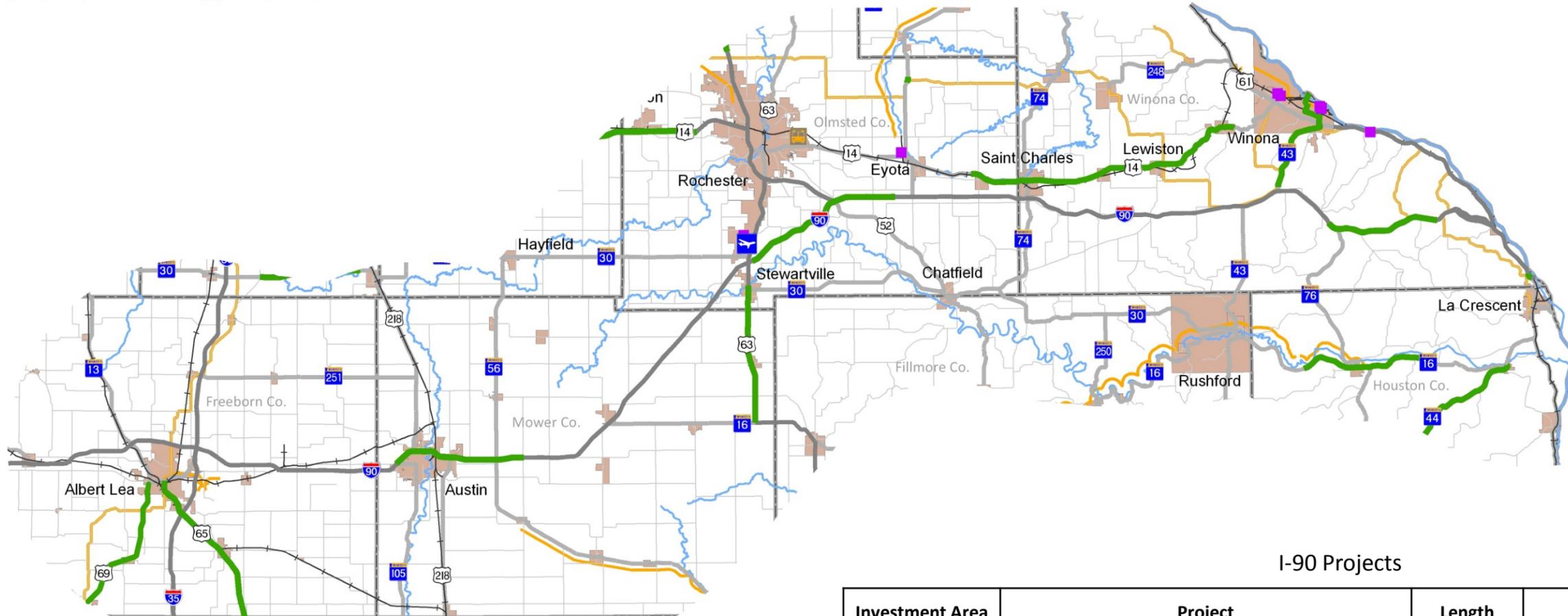
Class 1 Railroads

Major Intermodal Terminals

Major Airports

Investment Area	Project	Length	Route	Fiscal Year	Cost
Pavement	Mill and Overlay from Iowa to MN 13	12.5	US 69	2014	\$ 3.9 Million
Pavement	Mill & Overlay in and south of Albert Lea	16	US 65	2015	\$ 5.6 Million
Pavement	Mill & Overlay in and south of Winona	10.6	MN 43	2015	\$ 2.9 Million

Total: \$ 12.4 Million



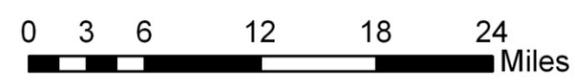
I-90 Projects

Investment Area	Project	Length	Fiscal Year	Cost
Pavement	Mill & overlay south of Rochester	12.7	2012	\$ 2.7 Million
Bridge	Replace Dresbach Bridge over Mississippi River and roadway approaches	0.3	2012-2014	\$ 190.5 Million
Pavement	Concrete pavement rehabilitation in Austin	10.1	2013	\$ 6.5 Million
Pavement	Mill & overlay west of La Crescent	8.4	2015	\$ 5.3 Million

Total: \$ 204.5 Million



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I-90 Interregional Corridor (Wisconsin - Albert Lea) 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

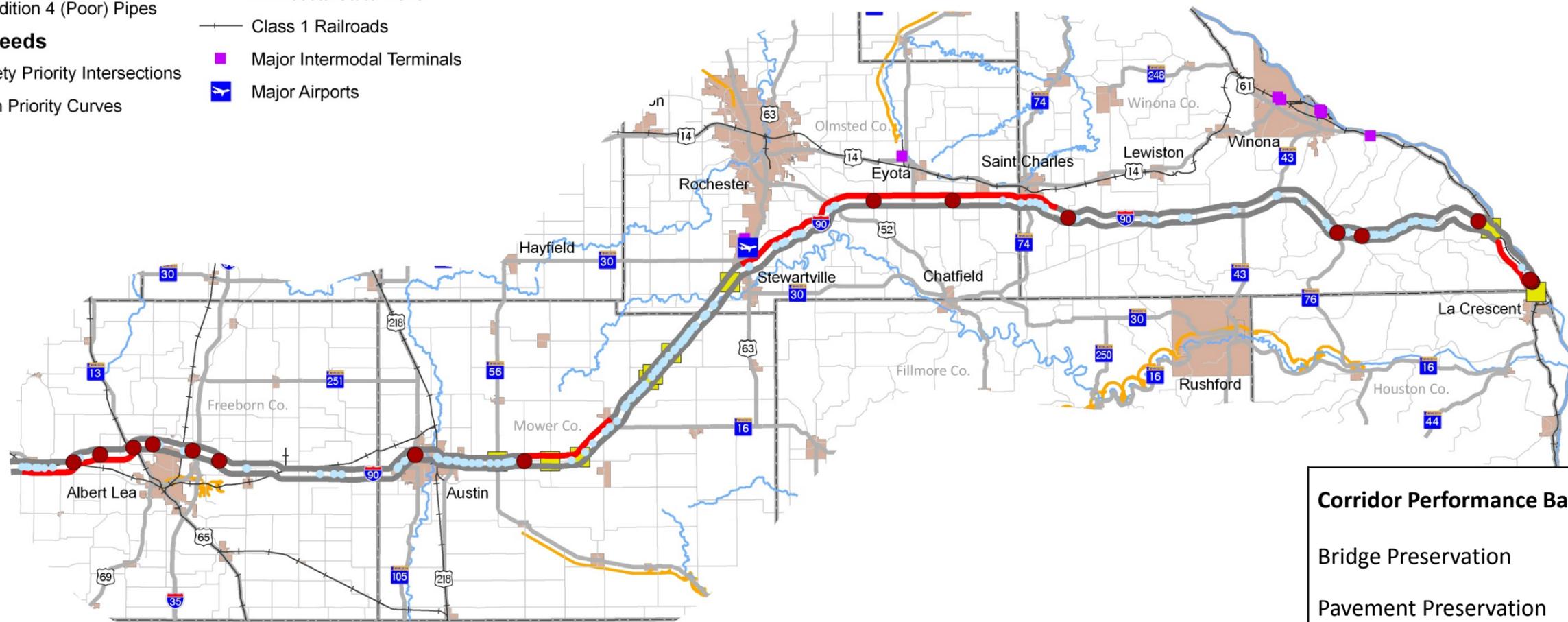
- Safety Priority Intersections
- High Priority Curves

Roads

- Trunk Highways
- IRC
- County Highways

Other Modes

- Minnesota State Trails
- Class 1 Railroads
- Major Intermodal Terminals
- Major Airports



Corridor Performance Based Needs (2016-2021)

Bridge Preservation	15 bridges
Pavement Preservation	182 miles
Culvert Preservation	9 culverts
Pipe Replacement	166 poor pipes
Safety Improvements*	No priority intersections, No priority curves
Mobility	None, as corridor meets mobility target

*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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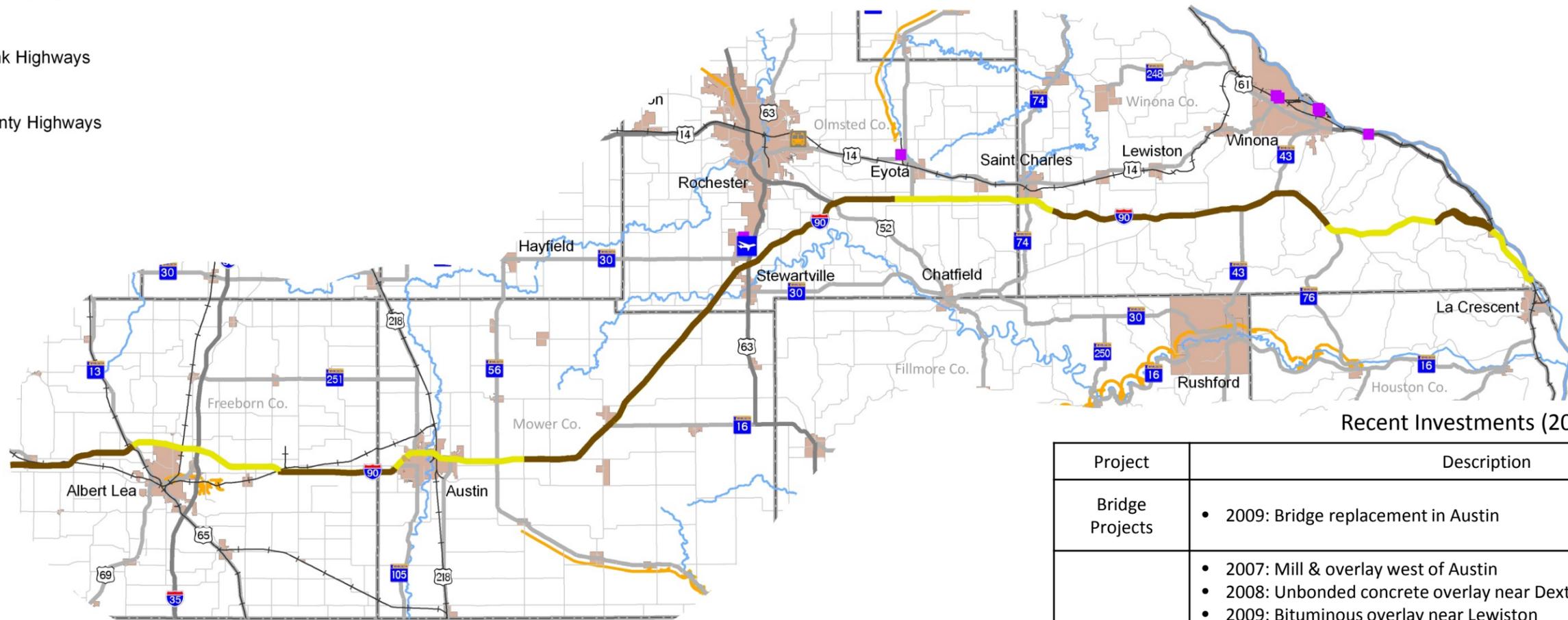


I-90 Interregional Corridor (Wisconsin - Albert Lea) Recent Investments 2002-2011

Map
D1

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- Recent Investments**
- Pavement
 - Other Infrastructure
 - Bridge
 - Safety
 - Mobility
 - Bike/Ped/ADA
- Other modes**
- Fixed Route Transit System
 - Minnesota State Trails
 - Class 1 Railroads
 - Major Intermodal Terminals
 - Major Airports
- Roads**
- Trunk Highways
 - IRC
 - County Highways



Recent Investments (2002-2011)*

Project	Description	Cost
Bridge Projects	<ul style="list-style-type: none"> 2009: Bridge replacement in Austin 	\$ 4.5 Million
Pavement Projects	<ul style="list-style-type: none"> 2007: Mill & overlay west of Austin 2008: Unbonded concrete overlay near Dexter 2009: Bituminous overlay near Lewiston 2009: Bituminous overlay near Winona 2009: Concrete pavement rehab near Dexter 2009: Mill & overlay north of La Crescent 2009: Mill & overlay near Stewartville 2010: Concrete pavement rehab east of Austin 2010: Unbonded concrete overlay south of Lewiston and Winona 2011: Mill & overlay between Stewartville and Eyota 	\$ 55.4 Million
Other Infrastructure	<ul style="list-style-type: none"> 2008: Replace signing in various locations east of Rochester 2009: Replace signing in various locations from Rochester to State Line 	\$ 1.5 Million

Total

\$ 61.4 Million

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

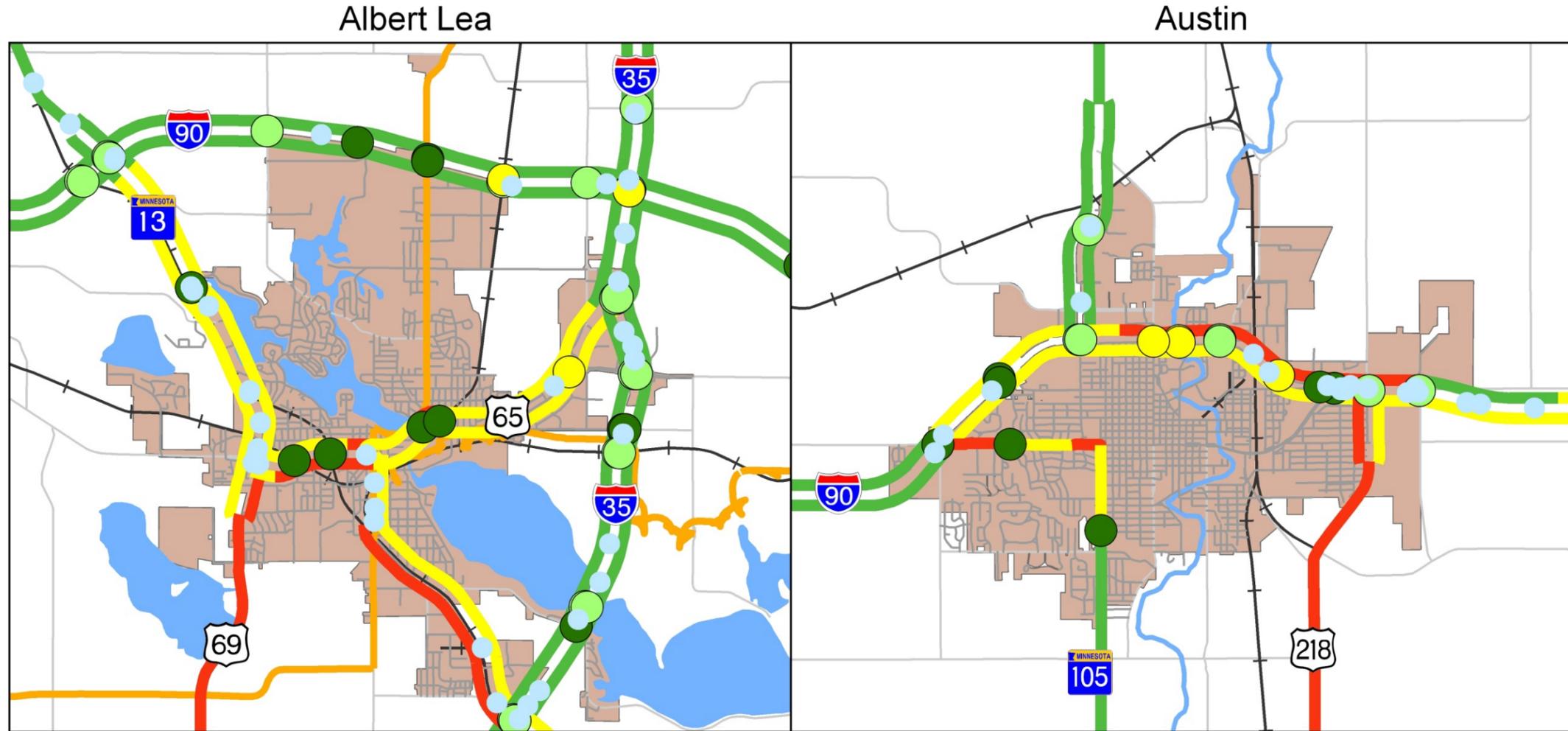




I 90 Regional Trade Centers (Albert Lea, Austin) Existing Conditions

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- 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
- Major Airports



Trade Center Characteristics

Public Transit

- Albert Lea Transit

Bicycle/Pedestrian

- Emmons International Falls Scenic Bikeway
- Blazing Star State Trail

Rail

- DME line (South Dakota to Wisconsin)
- UP line (Iowa to Twin Cities)

Major Industries

- Agricultural and service industries; manufacturing; healthcare services

Population Trends

City	Population	
	2000	2010
Albert Lea	18,356	18,016
Austin	23,314	24,718
Total	41,670	42,734

Trade Center Characteristics

Public Transit

- Austin-Mower County Area Transit

Rail

- DME line (South Dakota – Wisconsin)
- DME line (State Line – Ramsey)

Major Industries

- Food processing; government, education, hospitality sectors.



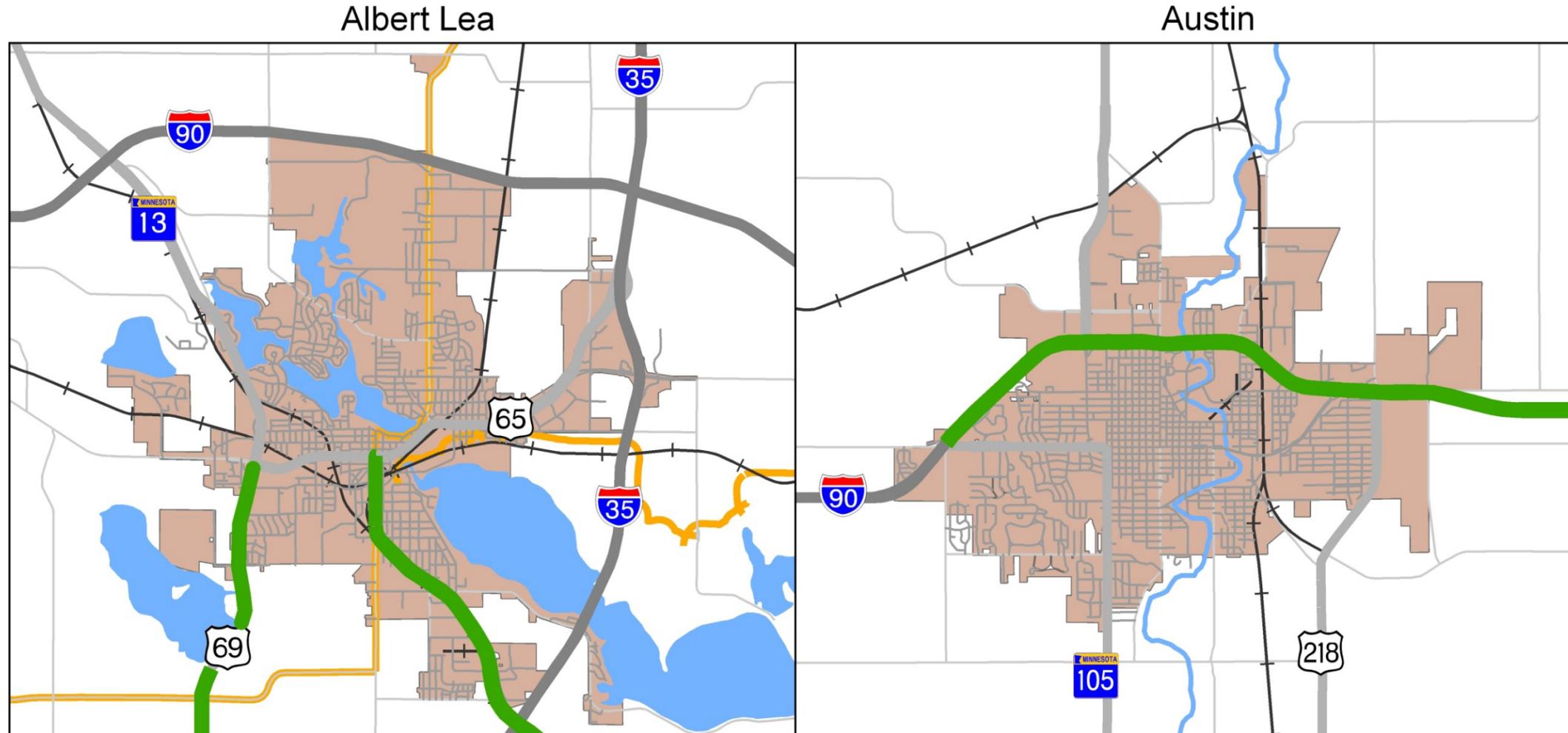
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I 90 Regional Trade Centers (Albert Lea, Austin) 2012-2015 STIP Projects

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- Planned Highway Projects**
- 2012-2015 STIP Projects
- Roads**
- Trunk Highways
 - Municipal Roads
 - IRC
 - County Highways
 - Municipal Boundaries
- Other modes**
- Fixed Route Transit System
 - Bikeways/State Trails
 - Class 1 Railroads
 - Major Intermodal Terminals



Albert Lea Area Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Pavement	Mill and Overlay from Iowa to MN 13	12.5	US 69	2014	\$ 3.9 Million
Pavement	Mill & Overlay in and south of Albert Lea	7.1	US 65	2015	\$ 5.6 Million

Total \$ 9.5 Million

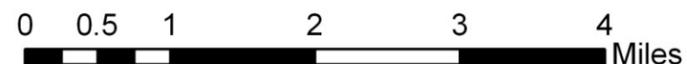
Austin Area Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Pavement	Concrete pavement rehabilitation in Austin	10.1	I-90	2013	\$ 6.5 Million

Total \$ 6.5 Million



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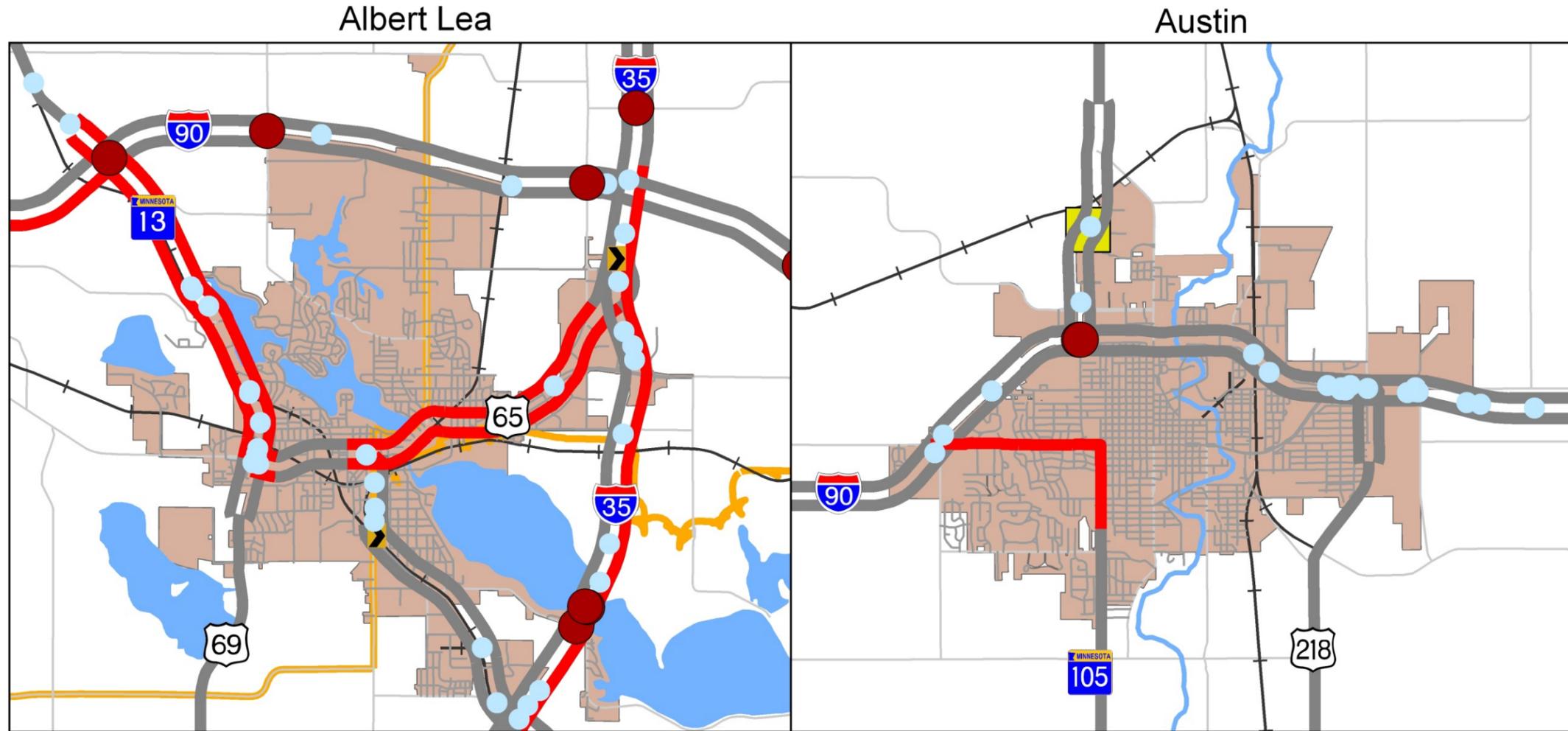




I 90 Regional Trade Centers (Albert Lea, Austin) Anticipated Performance Based Investment Needs (2016-2021)*

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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
- Safety Needs**
- ✱ Safety Priority Intersections
- ▶ High Priority Curves
- Roads**
- Municipal Roads
- County Highways
- Municipal Boundaries
- Other modes**
- Class 1 Railroads
- Minnesota State Trails
- Major Intermodal Terminals



Corridor Performance Based Needs (2016-2021)	
Bridge Preservation	6 bridges
Pavement Preservation	23 miles of pavement
Culvert Preservation	No culverts
Pipe Replacement	39 poor pipes
Safety Improvements*	No priority intersections 2 priority curves

Corridor Performance Based Needs (2016-2021)	
Bridge Preservation	1 bridge
Pavement Preservation	2 miles of pavement
Culvert Preservation	1 culvert
Pipe Replacement	21 poor pipes
Safety Improvements*	No priority intersections No priority curves



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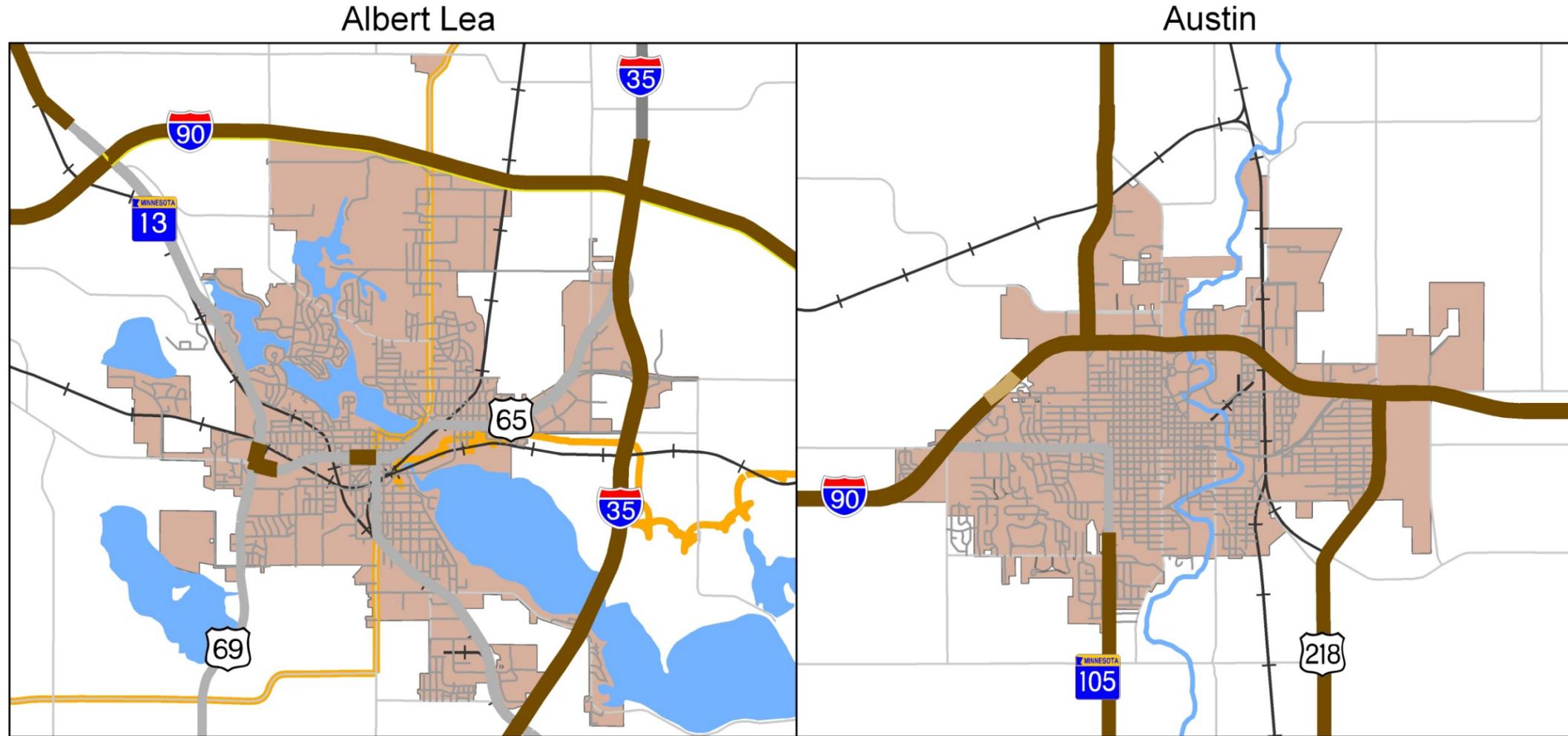
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I 90 Regional Trade Centers (Albert Lea, Austin) Recent Investments 2002-2011

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- Recent Investments**
- Pavement
 - Other Infrastructure
 - Bridge
 - Safety
 - Mobility
 - Bike/Ped/ADA
- Roads**
- Trunk Highways
 - IRC
 - Municipal Roads
 - County Highways
 - Municipal Boundaries
 - Class 1 Railroads
 - Major Intermodal Terminals
 - Major Airports



Recent Investments (2002-2011)*

Recent Investments (2002-2011)*

Projects	Description	Cost
Pavement Projects	<ul style="list-style-type: none"> 2002: Pavement crack sealing east of Albert Lea on I-90 2002: Pavement rehabbing on I-35 2003: Mill & overlay in Albert Lea on MN 13 2004: Unbonded concrete overlay, rail rehabbing and bridge repairs on I-35 2009: Heavy bituminous overlay west of Albert Lea on I-90 2010: Mill & overlay on MN 13 	\$ 47.5 Million
Other Infrastructure	<ul style="list-style-type: none"> 2008: Sign replacement between Albert Lea and Austin 	\$ 670,000

Total

\$ 48.2 Million

Project	Description	Cost
Bridge Projects	<ul style="list-style-type: none"> 2009: Bridge replacement in Austin on I-90 	\$ 4.5 Million
Pavement Projects	<ul style="list-style-type: none"> 2007: Mill & overlay west of Austin on I-90 2008: Mill & overlay on US 218 north of Austin 2008: Mill & overlay on MN 105 2009: Bituminous overlay east of Austin on I-90 2009: Bituminous crack sealing on I-90 and MN 105 2011: Mill & overlay on US 218 south of Austin 	\$ 10.5 Million

Total

\$ 15 Million

*Only includes projects over \$100,000. Systematic safety improvements are routinely included as part of most highway projects.



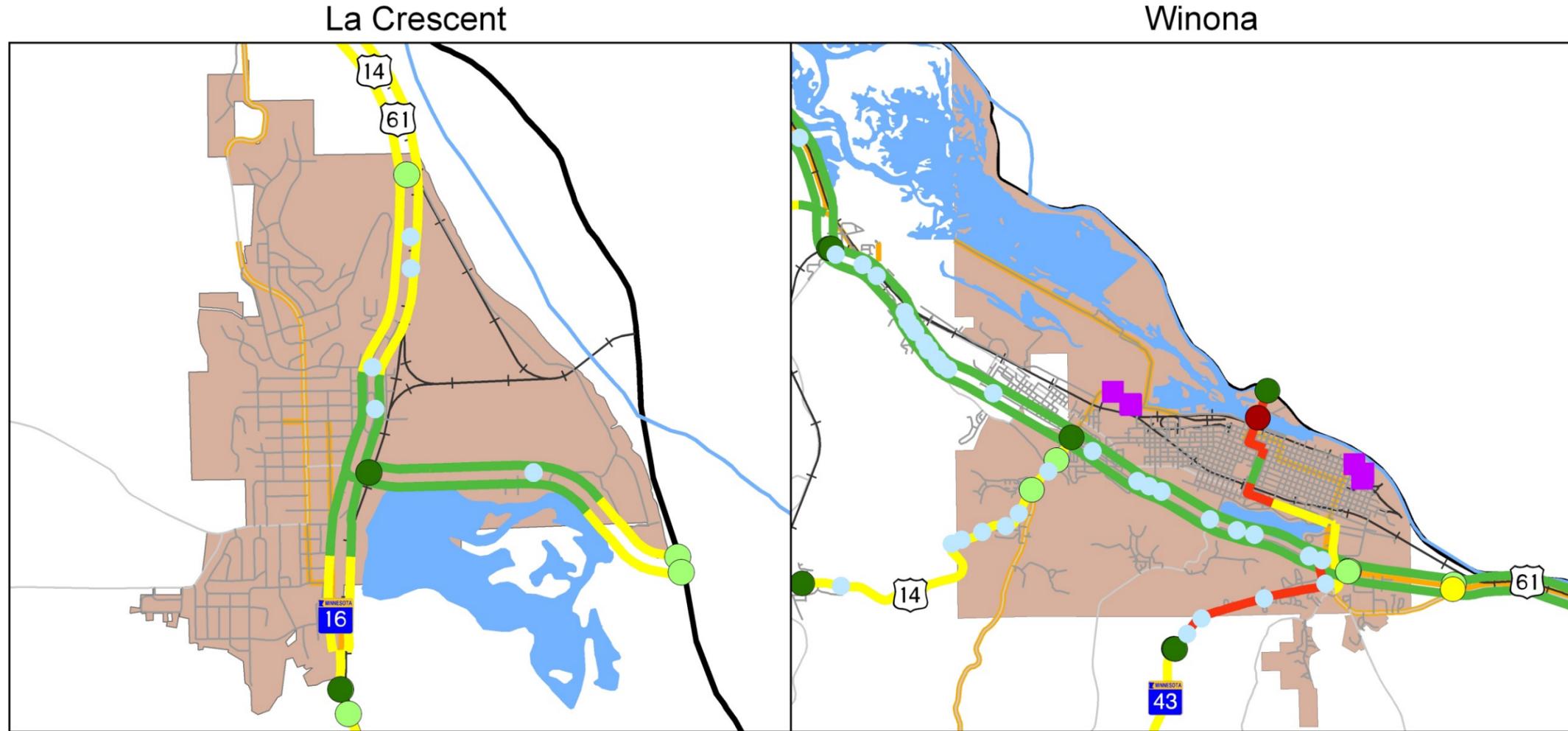
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I 90 Regional Trade Centers (La Crescent, Winona) Existing Conditions

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- 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
 - Major Airports
 - Minnesota State Boundary

La Crosse/La Crescent Area Planning Commission



Trade Center Characteristics

- Government**
 - La Crosse-La Crescent MPO
- Public Transit**
 - La Crescent Apple Express
 - SEMCAC Transportation
- Bicycle/Pedestrian**
 - New Albany Grand Portage Scenic Bikeway
- Rail**
 - SOO line (State Line – St Croix)
- Major Industries**
 - Agricultural and service industries



Trade Center Characteristics

- Public Transit**
 - Winona Transit Service
 - SEMCAC Transportation
- Bicycle/Pedestrian**
 - New Albany Grand Portage Scenic Bikeway
 - Sioux Falls Winona Scenic Bikeway
- Rail**
 - SOO line (State Line – St Croix)
 - UP line (State Line – Twin Cities)
 - DME line (State Line – Ramsey)
- Major Industries**
 - Manufacturing, healthcare, education



Population Trends

City	Population	
	2000	2010
Winona	27,069	27,592
La Crescent	4,923	4,830
Total	31,992	32,422

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I 90 Regional Trade Centers (La Crescent, Winona) 2012-2015 STIP Projects

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La Crescent

Winona

Planned Highway Projects

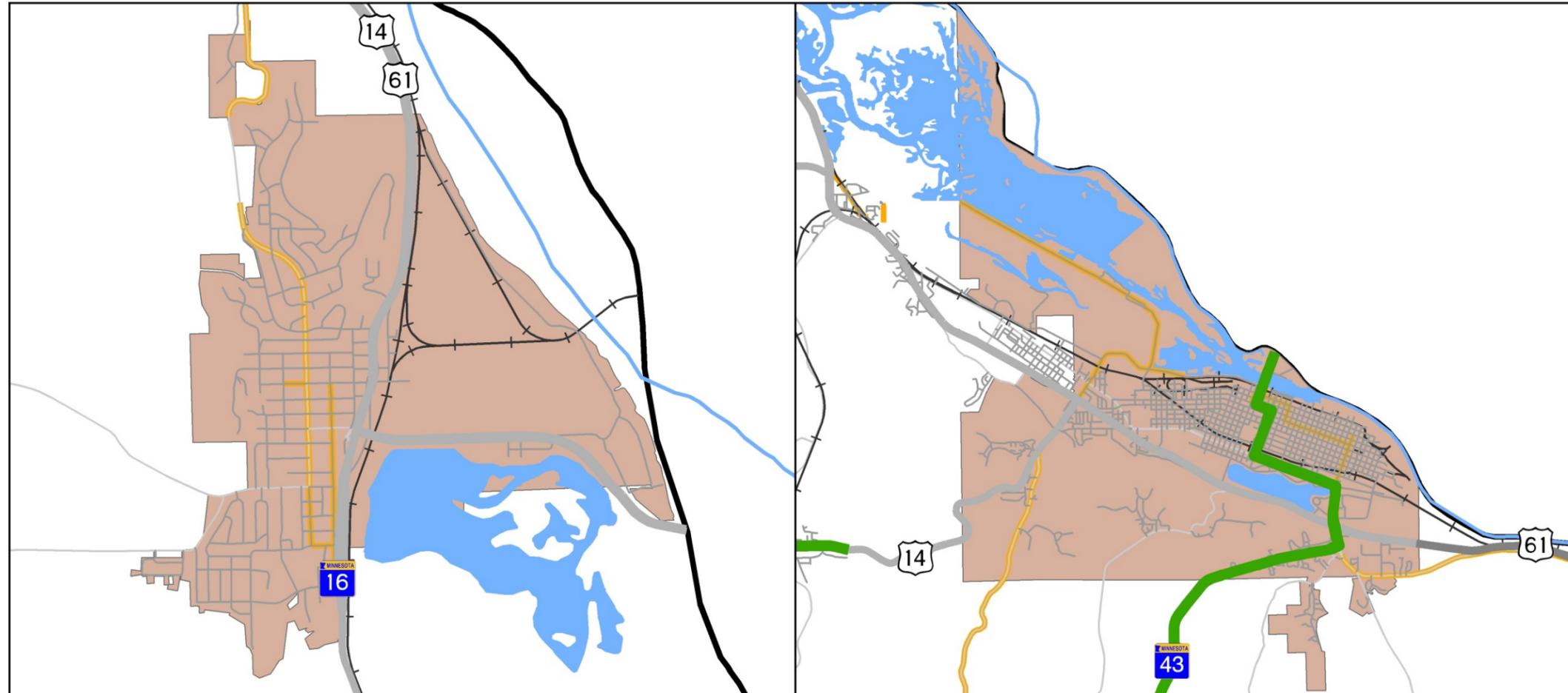
2012-2015 STIP Projects

Roads

- Trunk Highways
- Municipal Roads
- IRC
- County Highways
- Municipal Boundaries

Other modes

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



La Crescent Area Local Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Ped/Bike	Wagon Wheel Trail	1.0	N/A	2013	\$ 545,500
Total					\$ 545,500

Winona Area Projects

Investment Area	Project	Length (Miles)	Route	Fiscal Year	Cost
Pavement	Mill & overlay east of Winona	22	US 14	2013	\$ 6.9 Million
Pavement	Mill & overlay in and south of Winona	10.6	MN 43	2015	\$ 2.9 Million
Bridge	Bridge replacement on the Mississippi River	1.1	MN 43	2015	\$ 39.4 Million
Total					\$ 49.2 Million



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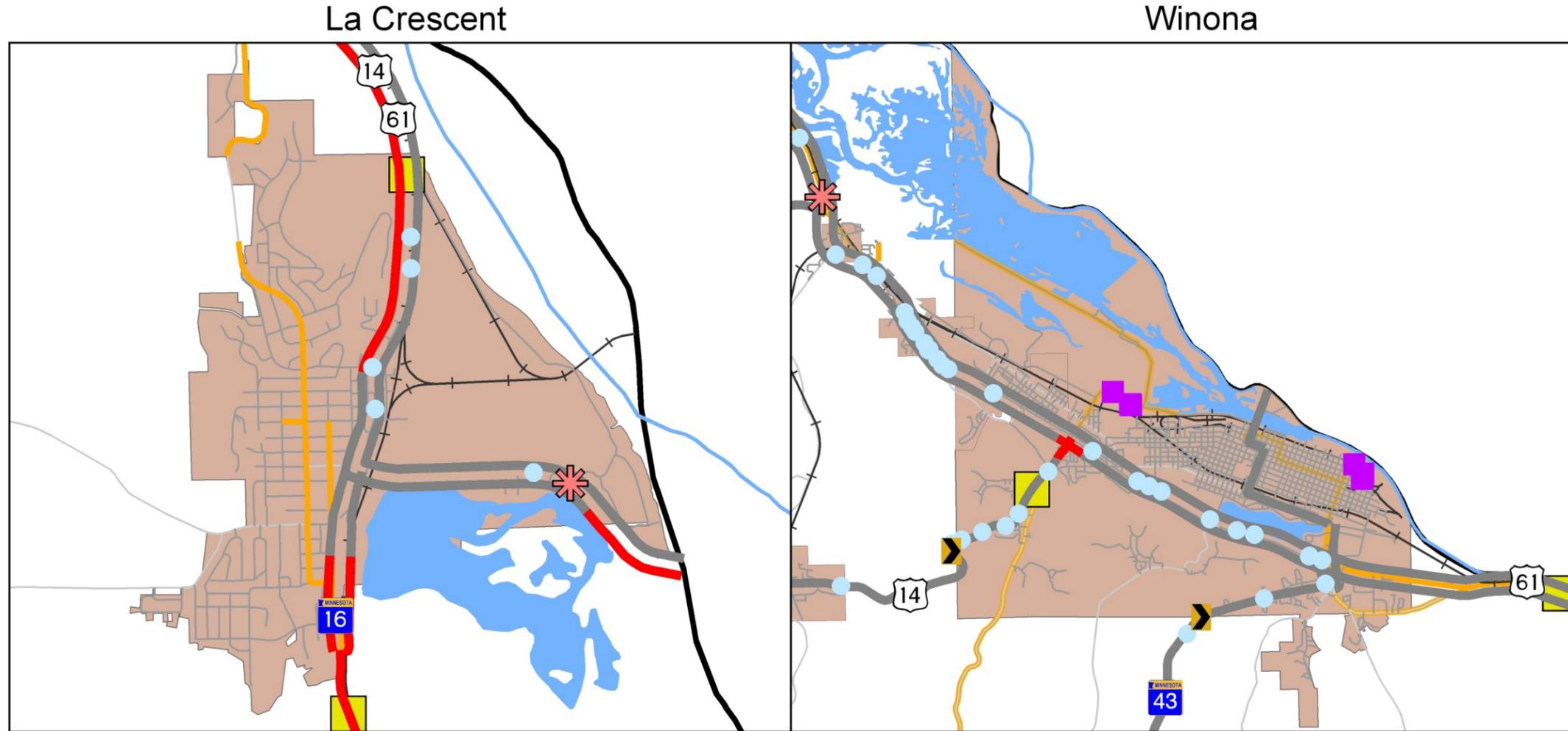




I 90 Regional Trade Centers (La Crescent, Winona) Anticipated Performance Based Investment Needs (2016-2021)*

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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
- Safety Needs**
- ✱ Safety Priority Intersections
 - High Priority Curves
- Roads**
- Municipal Roads
 - County Highways
 - Municipal Boundaries
- Other modes**
- Class 1 Railroads
 - Major Intermodal Terminals



Corridor Performance Based Needs (2016-2021)	
Bridge Preservation	No bridges
Pavement Preservation	4 miles of pavement
Culvert Preservation	2 culverts
Pipe Replacement	5 poor pipes
Safety Improvements*	1 priority intersection 0 priority curves

Corridor Performance Based Needs (2016-2021)	
Bridge Preservation	No bridges
Pavement Preservation	1 miles of pavement
Culvert Preservation	2 culverts
Pipe Replacement	37 poor pipes
Safety Improvements*	1 priority intersection 2 priority curves

*Assumes completion of '12-'15 STIP projects. Systematic safety improvements are included as part of most highway projects. Additional information about needs in the Metro area is available from the La Crosse-La Crescent APC Long Range Plan



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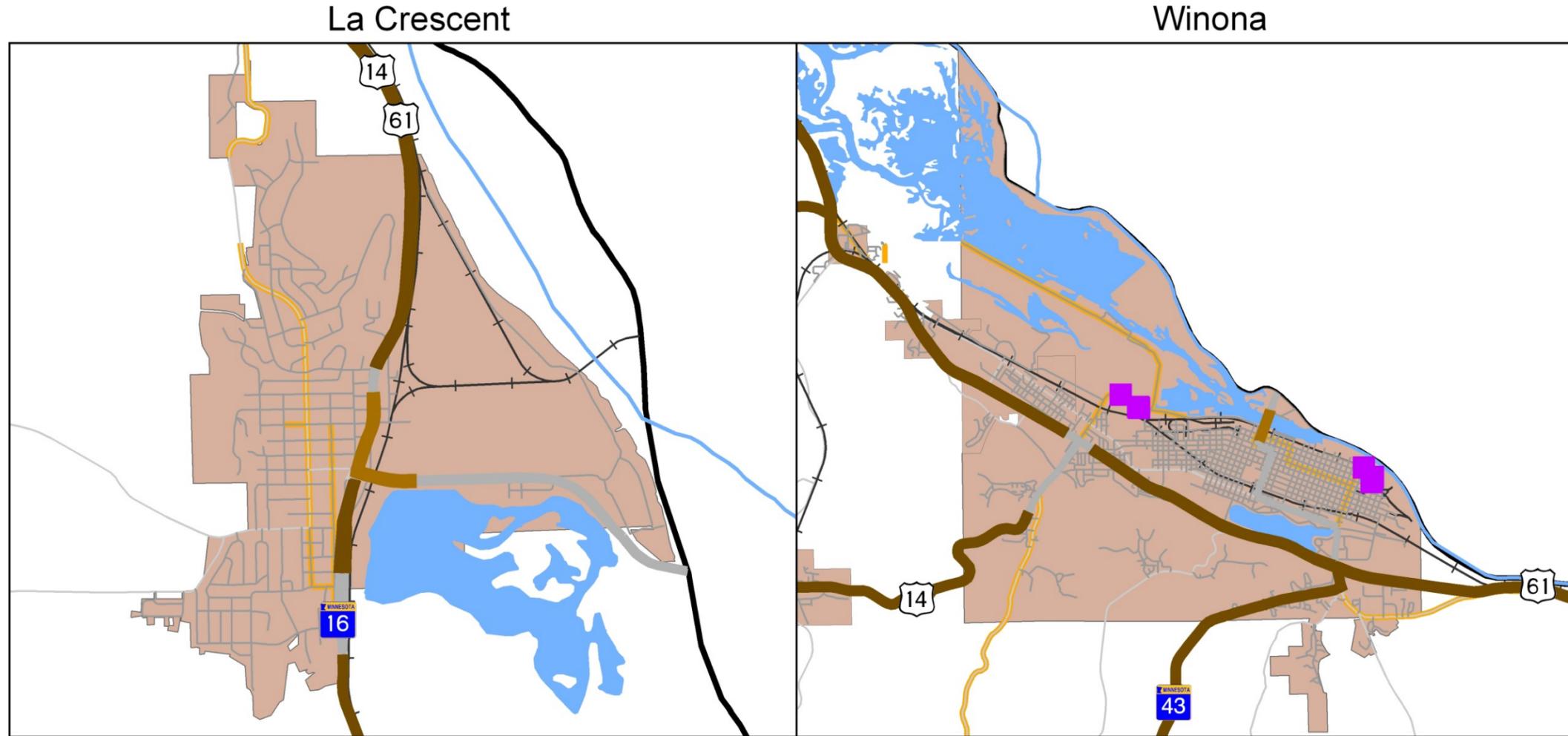


I 90 Regional Trade Centers (La Crescent, Winona)

Recent Investments 2002-2011

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- Recent Investments**
- Pavement
 - Other Infrastructure
 - Bridge
 - Safety
 - Mobility
 - Bike/Ped/ADA
- Roads**
- Trunk Highways
 - IRC
 - Municipal Roads
 - County Highways
 - Municipal Boundaries
 - + Class 1 Railroads
 - Major Intermodal Terminals
 - ✈ Major Airports



Recent Investments (2002-2011)*

Projects	Description	Cost
Bridge Projects	<ul style="list-style-type: none"> • 2007: Bridge replacement/reconstruction on US 14/61 	\$7.4 Million
Pavement Projects	<ul style="list-style-type: none"> • 2003: Pavement preservation on MN 16 • 2007: Concrete pavement rehabilitation US 14/61 • 2007: Mill & overlay on MN 16 • 2007: Emergency flood repairs on US 14, US 61 and MN 16 	\$6.4 Million

Total

\$13.8 Million

Recent Investments (2002-2011)**

Project	Description	Cost
Bridge Projects	<ul style="list-style-type: none"> • 2008: Bridge repairs on Mississippi bridge • 2008: Emergency bridge repairs on Mississippi bridge 	\$1.3 Million
Pavement Projects	<ul style="list-style-type: none"> • 2002: Microsurfacing on US 14 • 2005: Pavement preservation on US 14 • 2007: Emergency flood repairs on US 14, US 61 and MN 43 • 2009: Mill & overlay on US 61 north of Winona • 2010: Mill & overlay on MN 248 west of Winona • 2010: Mill & overlay on US 61 in and east of Winona 	\$18.4 Million

Total

\$19.7 Million

*Only includes projects over \$100,000. Systematic safety improvements are routinely included as part of most highway projects.



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