

US 45
WIS 70 east to Chain O Lakes Road
Vilas County

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September 22, 2016

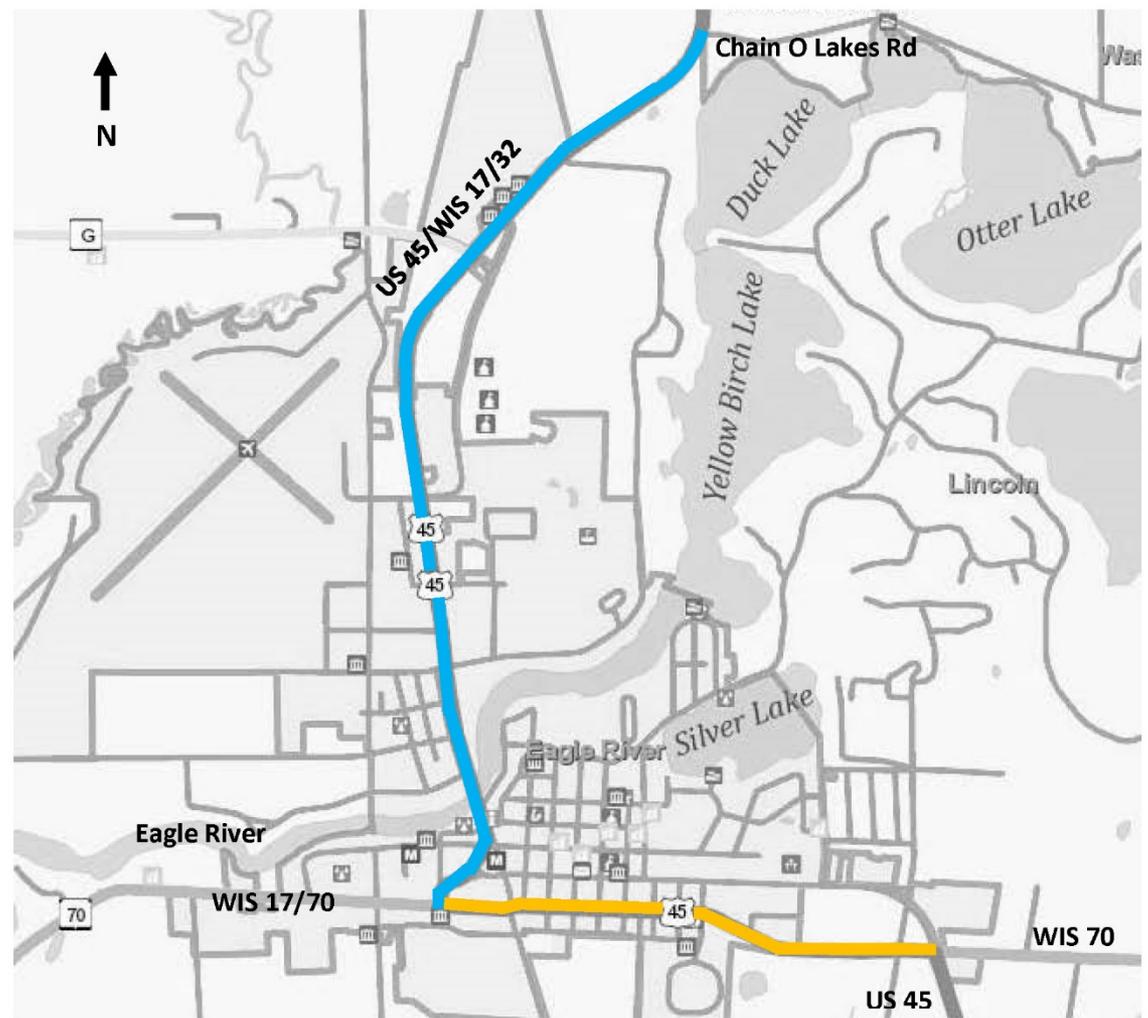


Today's presentation

- ▶ Identify purpose and need for the project
- ▶ Review existing traffic conditions and crash history
- ▶ Identify the preferred design alternative
- ▶ Discuss next steps



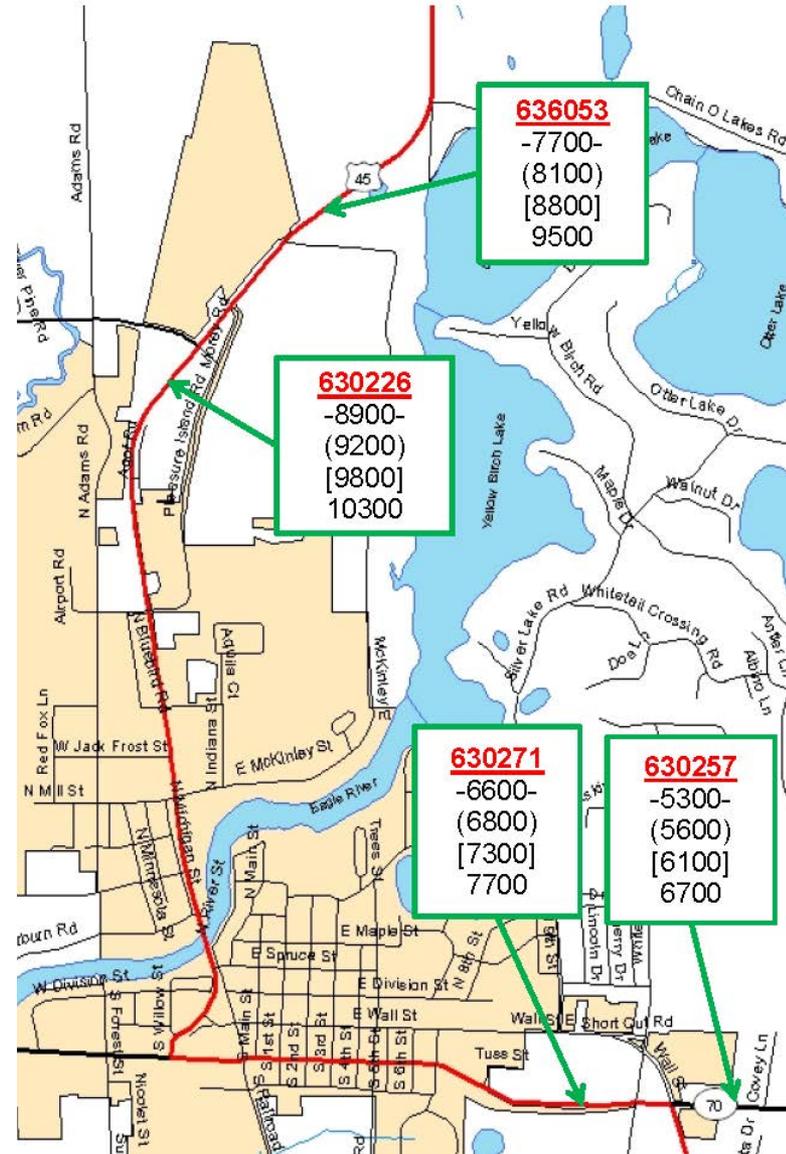
Project location



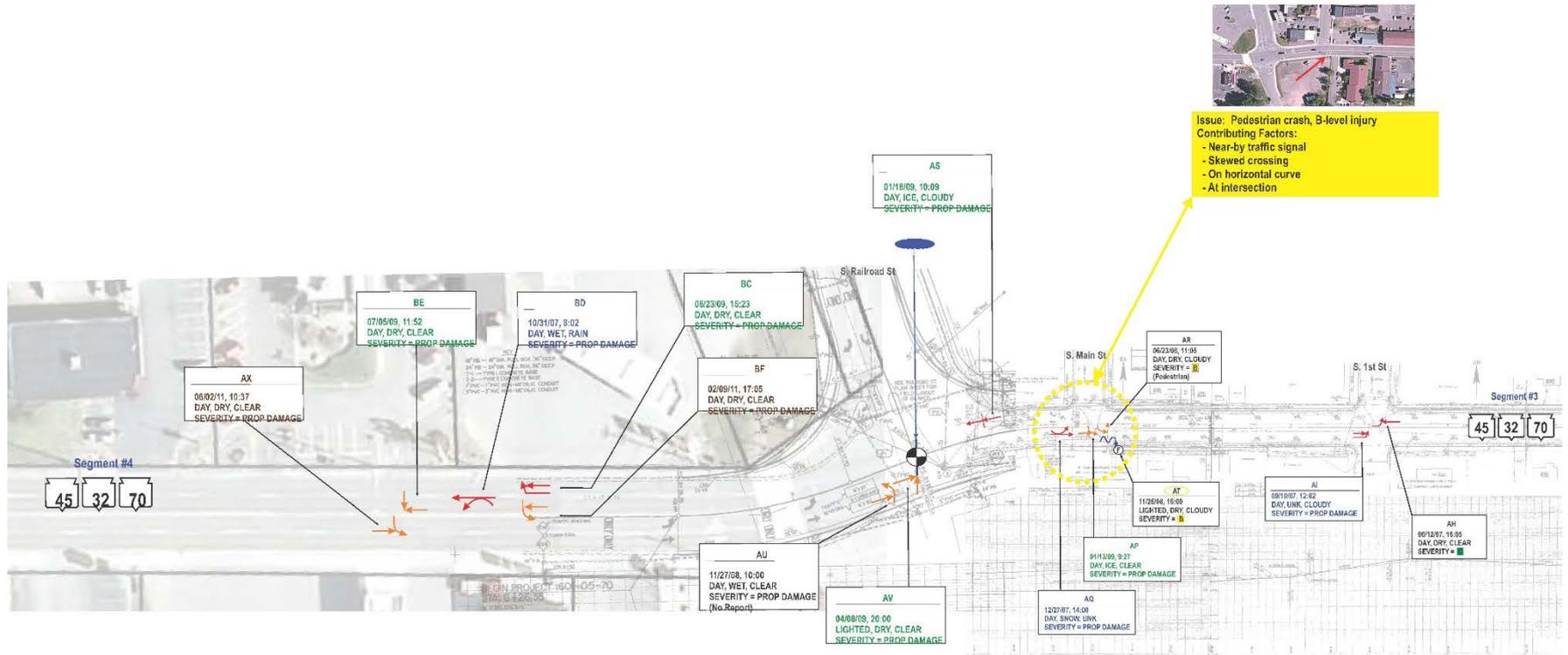
-  North/South Segment: Construction Currently Scheduled In 2018
WIS 17/70 to Chain O Lakes Rd
-  East/West Segment: Construction Currently Scheduled In 2019
WIS 70 to US 45



Existing traffic conditions



Crash history



Purpose and need for the project

- ▶ Preserve integrity of deteriorating pavement
- ▶ From 2007 – 2011 there were 82 crashes and 10 injuries associated with crashes along the east-west segment (WIS 70 east to US 45 north)
- ▶ A fatal pedestrian crash occurred in 2013



Alternatives that were evaluated

		Alternatives		
		Alternative 1 No Build	Alternative 2 Mill and Overlay Asphalt Roadway Configuration Remains	Alternative 3 Roadway Reconfiguration
Factors of Evaluation	Probability of Reducing Crashes (High is Most Favorable)	Low	Low	High
	Probability of Reducing Confusion for Motorists (High is Most Favorable)	Low	Low	High
	Expected to Increase Pedestrian Mobility & Safety (Yes is Most Favorable)	No	No	Yes
	Level of Direct Construction Impacts to Real Estate (Minimal is Most Favorable)	None	Minimal	Minimal
	Approximate Anticipated Cost Range	\$0	\$2,000,000 to \$3,000,000	\$2,000,000 to \$3,000,000

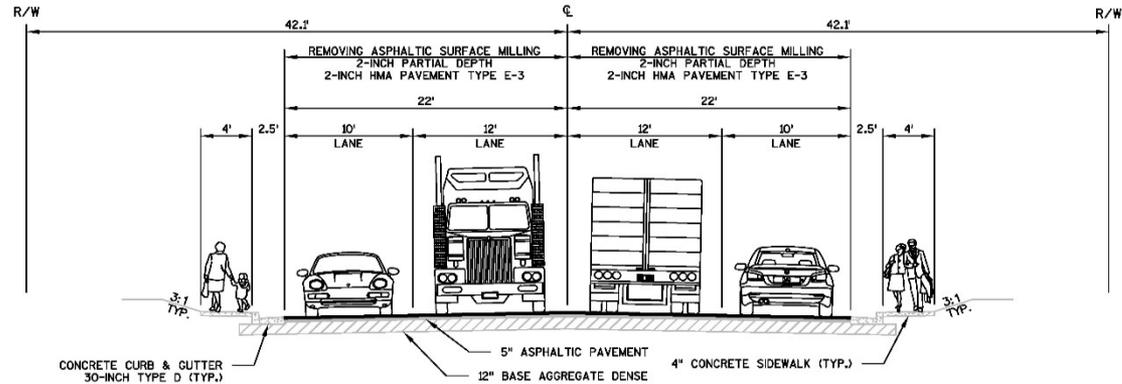


Proposed improvements

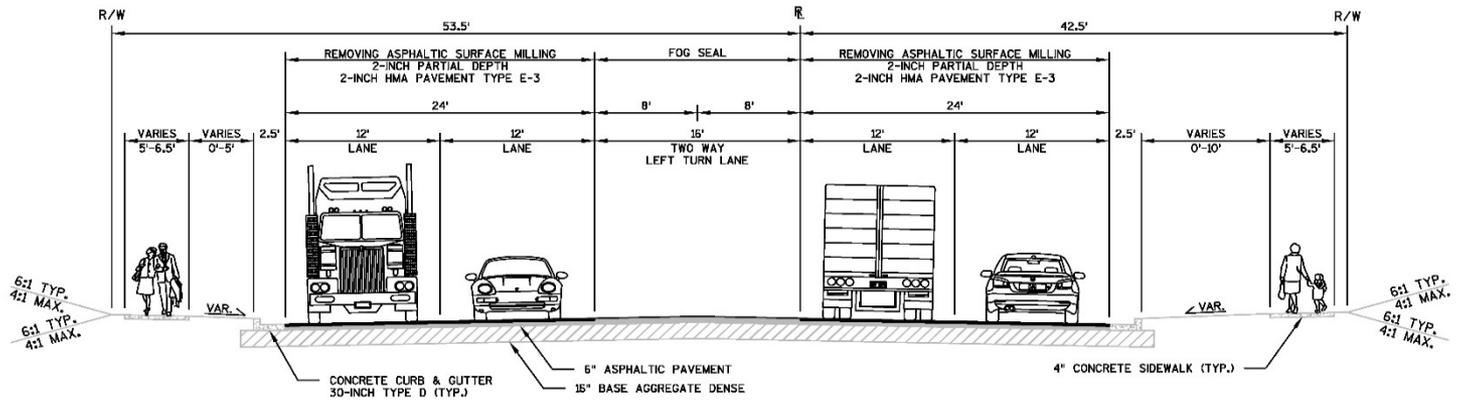
- ▶ Resurface roadway
- ▶ Reconfigure roadway between WIS 70 east and US 45 north for four lanes to three lanes
- ▶ Modify the US 45/Main Street intersection
- ▶ Install new sidewalk and reconstruct curb ramps
- ▶ Resurface the bridge over the Eagle River
- ▶ Repair storm sewer inlet



Existing Lane Configuration



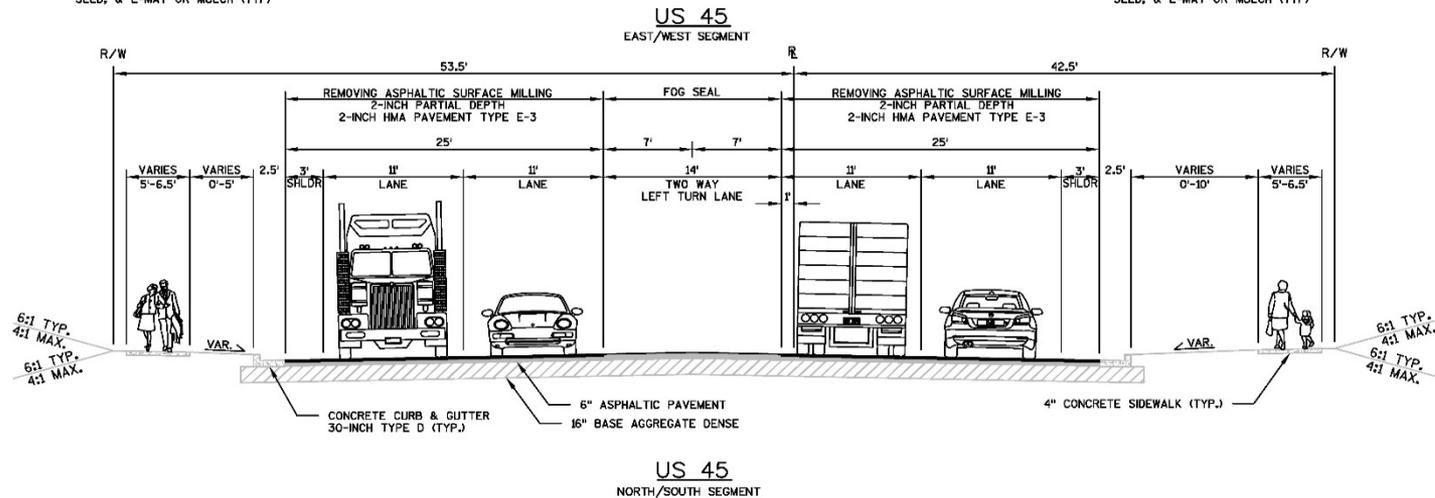
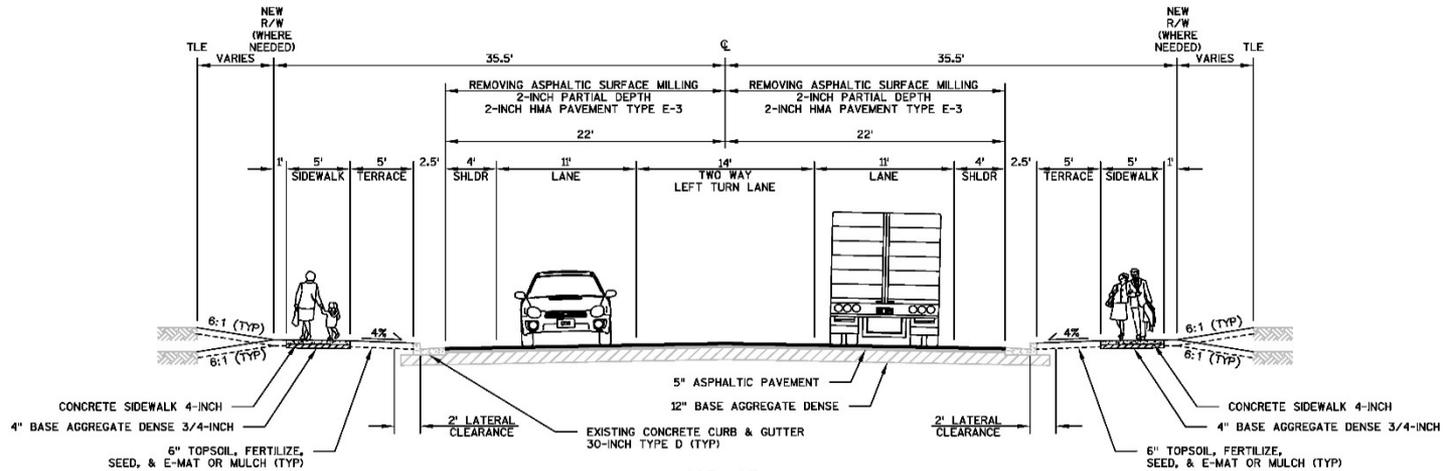
US 55
EAST/WEST SEGMENT



US 55
NORTH/SOUTH SEGMENT



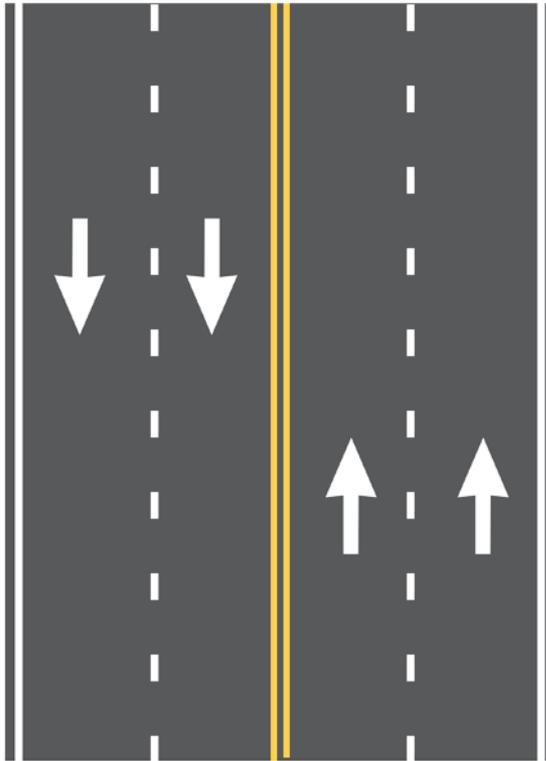
Proposed Lane Configuration



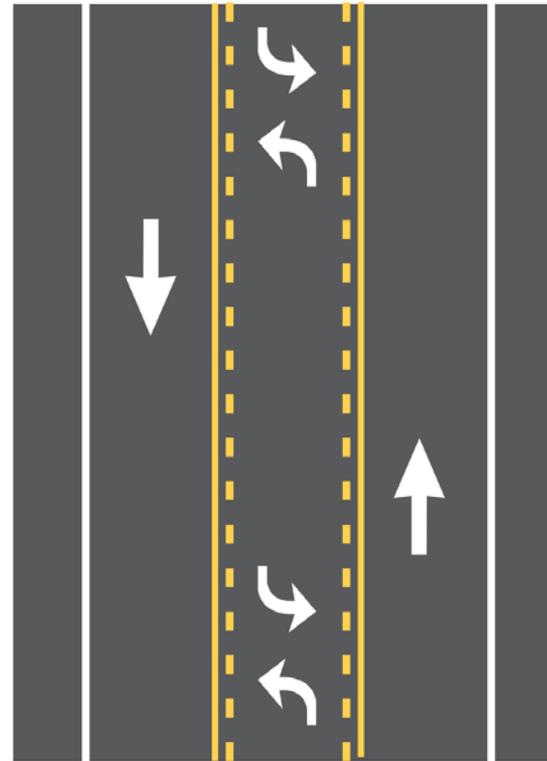
Proposed Lane Configuration

Four to Three

Before



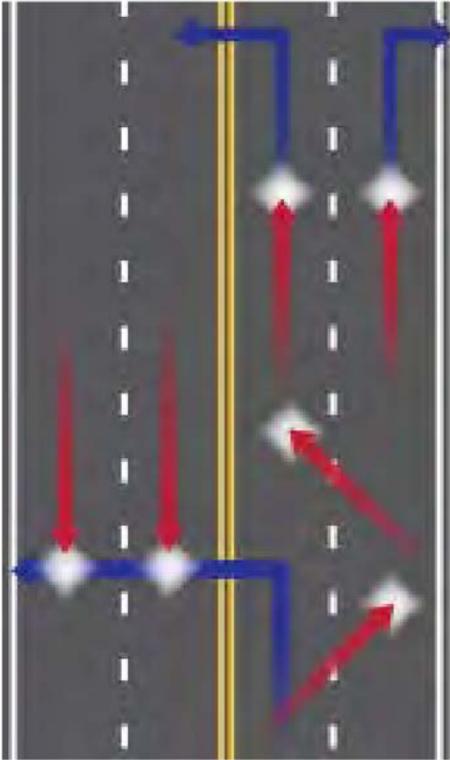
After



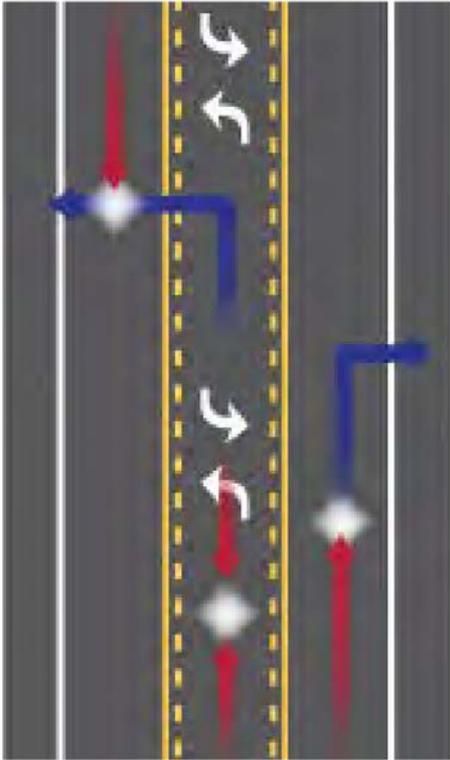
Improved Safety

Roadway conflict points

Four-Lane Undivided



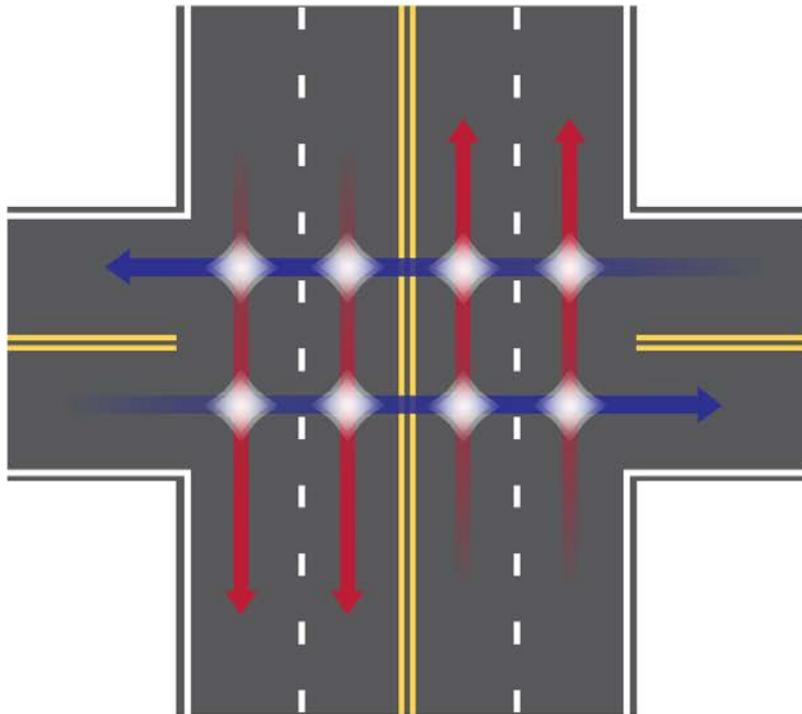
Three-Lane



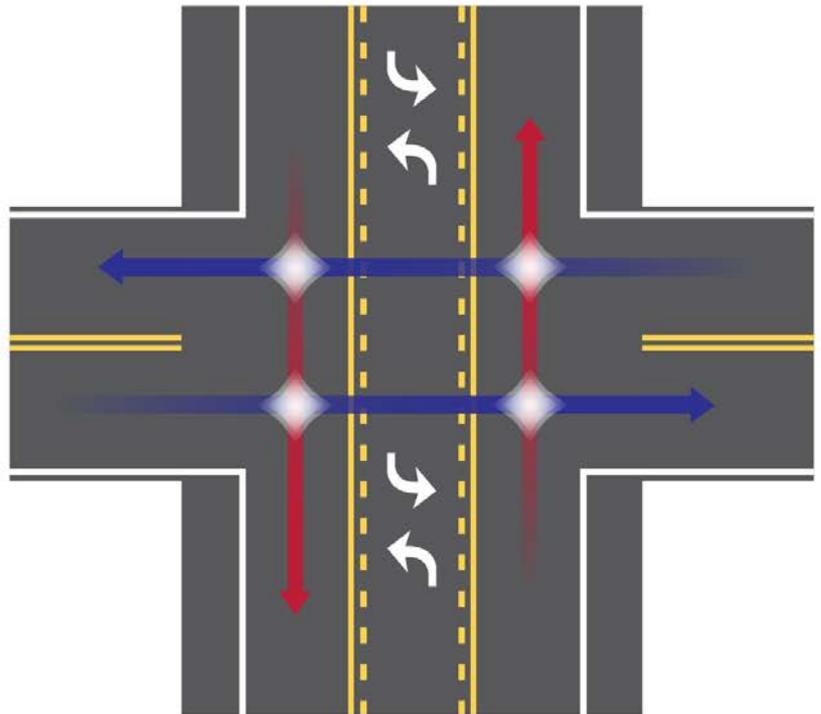
Improved Safety

Conflict points at intersections

Four-Lane Undivided



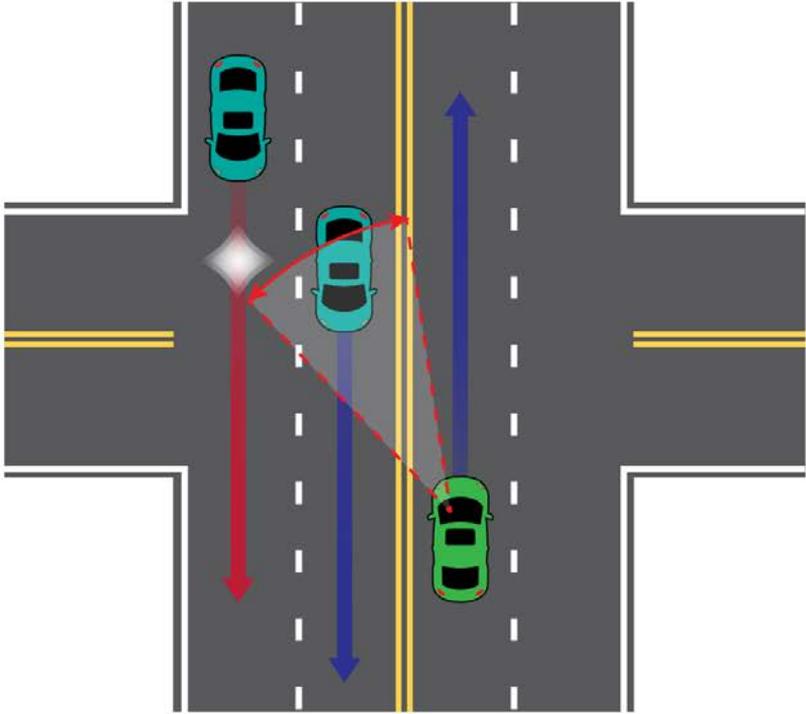
Three-Lane



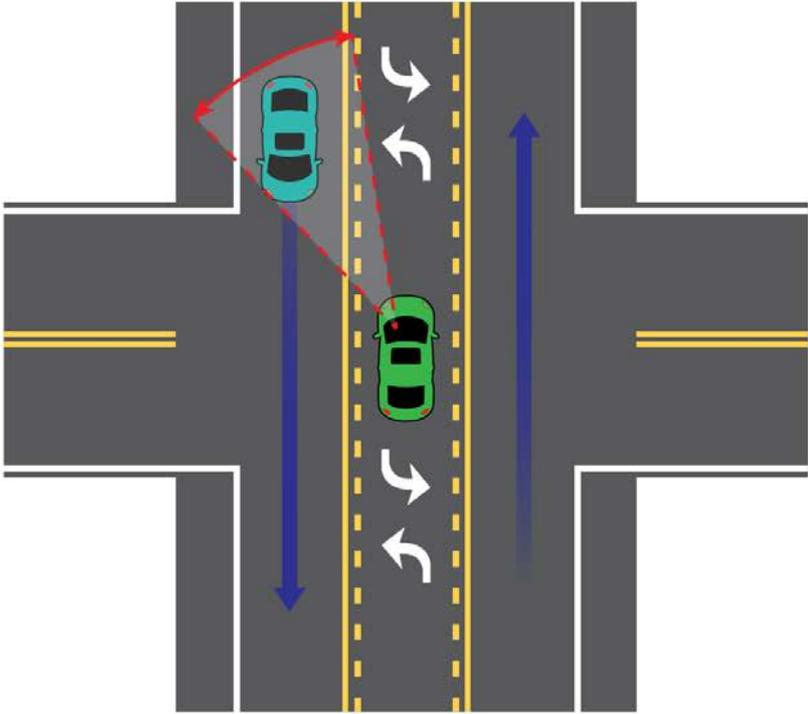
Improved Safety

Sight distance

Four-Lane Undivided
(Outside Lane Traffic Hidden by
Inside Lane Vehicle)



Three-Lane
(No Hidden Vehicles)



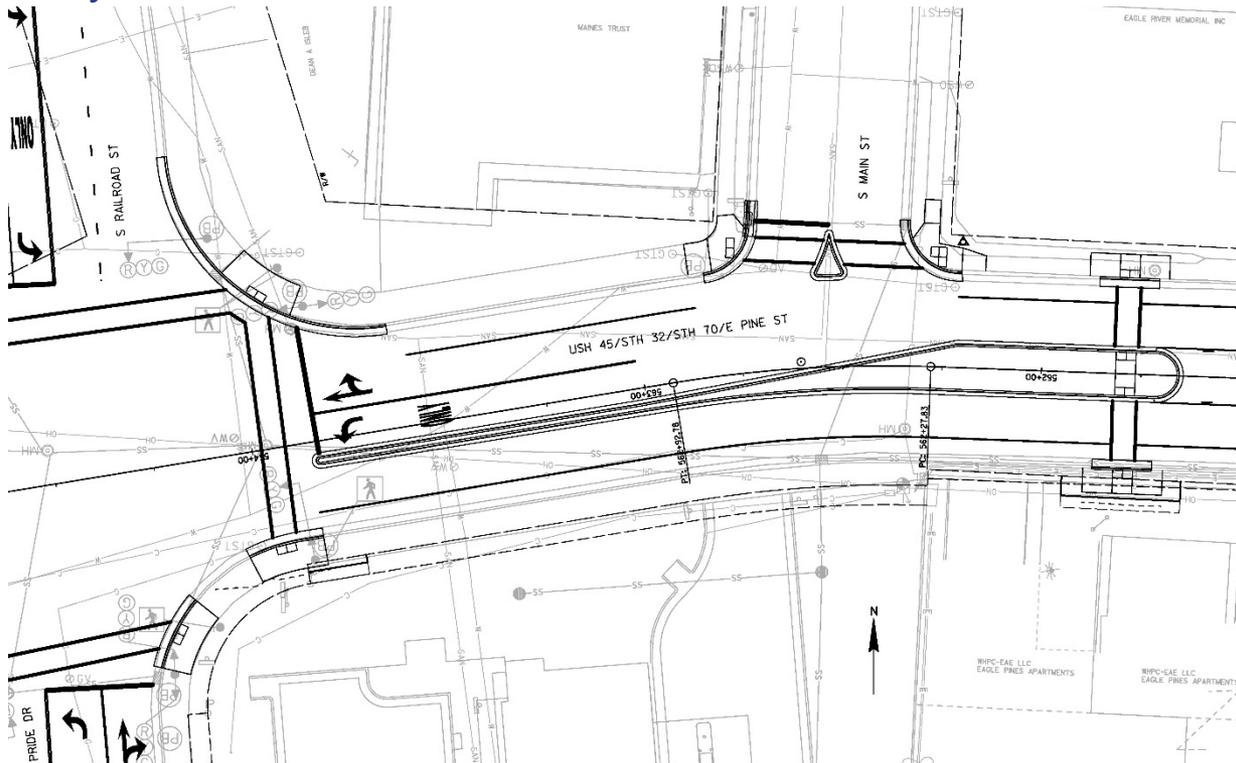
Improved safety

- ▶ Pedestrian safety
 - Pedestrians can stop, mid-crossing, in the turn lane
 - Fewer travel lanes to cross
- ▶ Speed control
 - On four-lane roadways, speeds can vary between lanes
 - Vehicle speeds on three-lane roadways are more uniform



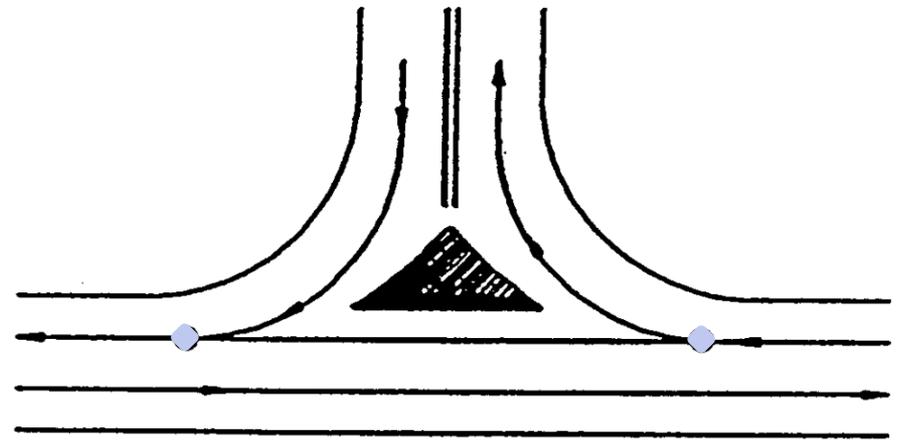
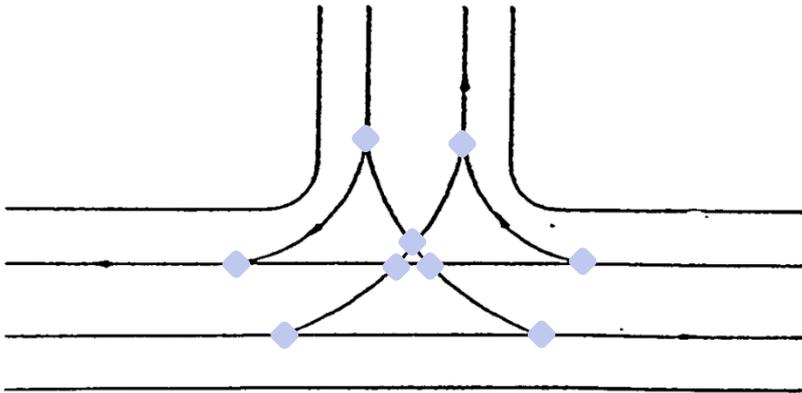
Access

- ▶ Modification of the US 45/Main Street intersection to right-in and right-out access only



Access

- ▶ Reduced congestion and improved safety with less conflict points



Schedule

- ▶ Final design is currently scheduled for completion in February 2017
- ▶ Construction is currently scheduled for:
 - North/south segment (WIS 17/WIS 70 to Chain O Lakes Road) – **spring 2019**
(Could occur as early as spring 2018 if funding is available)
 - East/west segment (WIS 70 east to US 45 north) – **spring 2020**
(Could occur as early as spring 2019 if funding is available)



Contacts and resources

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Questions?

