

US 45

Eden to Fond du Lac

Bryan Learst, PE - WisDOT

August 19, 2015– Eden Village Hall

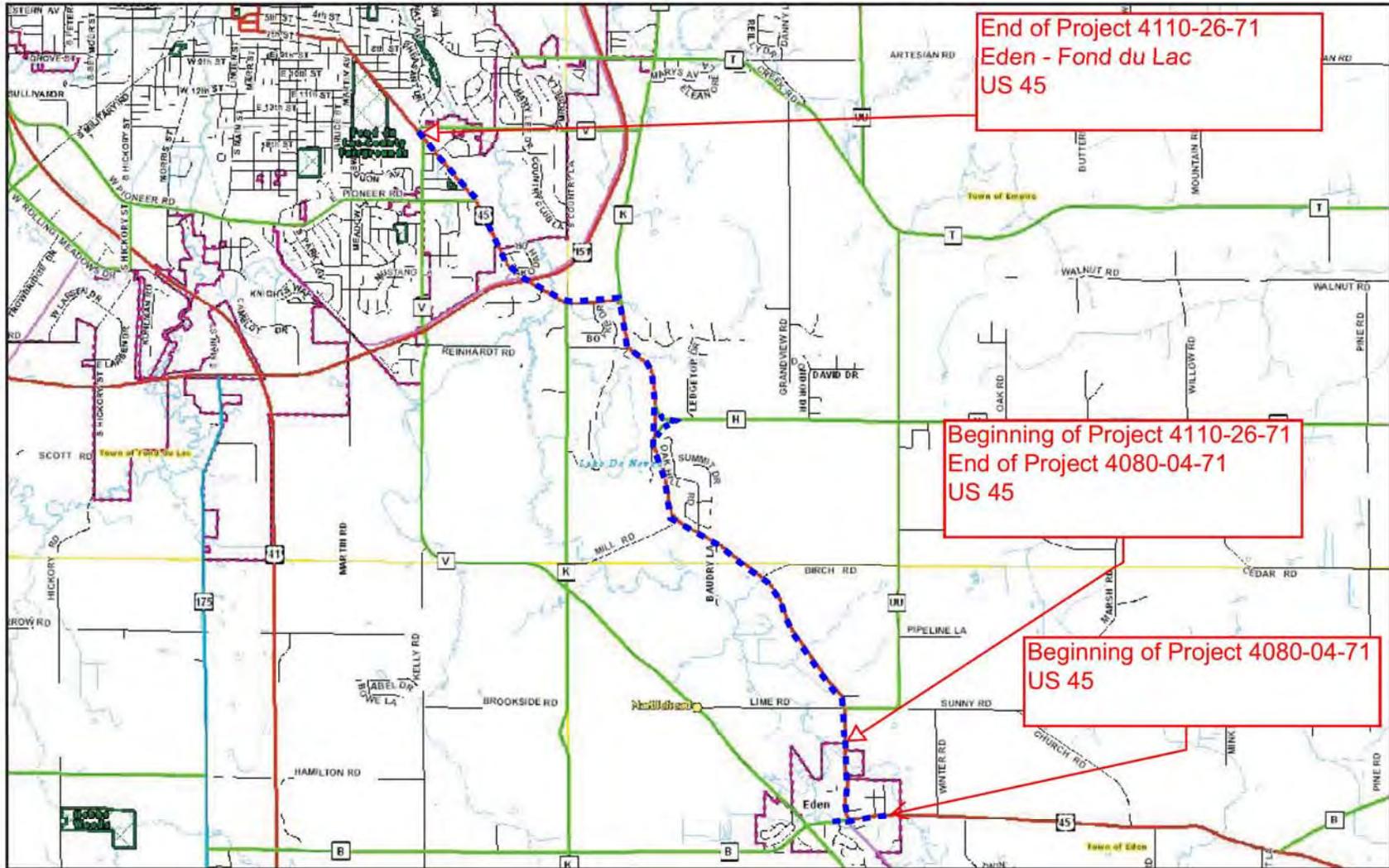


Overview of presentation

- ▶ Introductions
- ▶ Project Summary – Pavement Improvement
 - Village of Eden – Reconstruction
 - Eden to Fond du Lac – Resurfacing with spot improvements
- ▶ Short General Q and A



Construction Project ID 4110-26-71 - Fond du Lac County



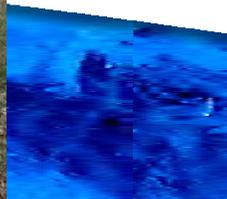
Village of Eden

- ▶ Widen roadway 1 – 2 feet
- ▶ Replace terraces in kind
- ▶ Replace storm sewer
- ▶ Widen railroad crossing and remove signals
- ▶ Bump-out at mid block crossing on FDL Ave
- ▶ Replace large culvert on County B
- ▶ Main St. – minor right of way needed at intersections
- ▶ FDL Ave – Strip right of way taking



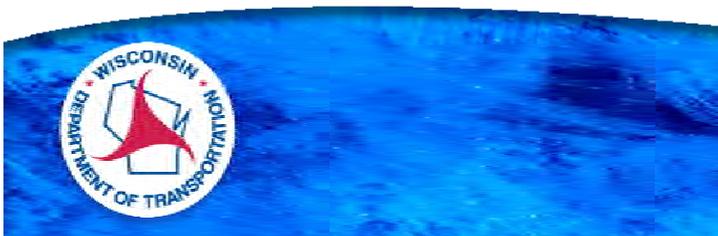
Eden to Fond du Lac

- ▶ Resurface with spot improvements for safety and maintenance



Safety Enhancements

- ▶ Centerline rumble strips
- ▶ Beam guard upgrades



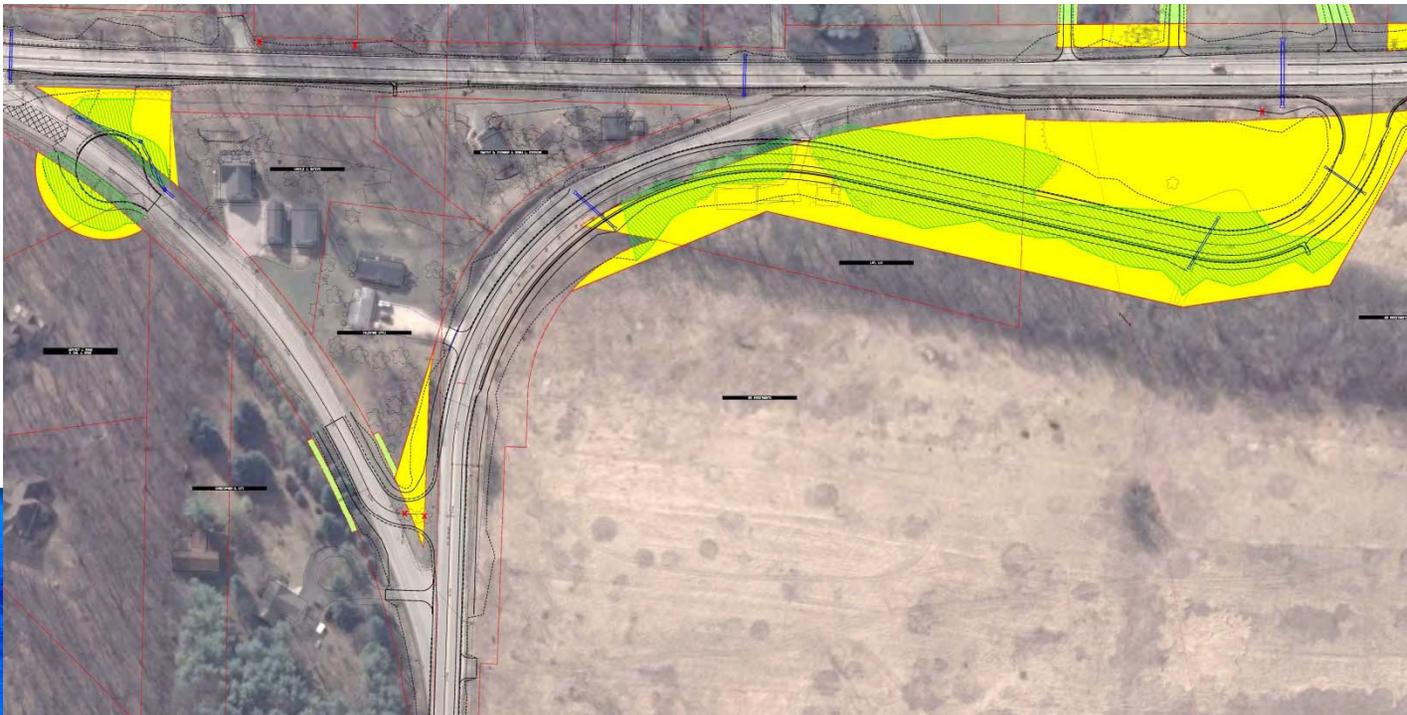
Safety Enhancements

- ▶ Culvert replacements
- ▶ Rehabilitation of bridge over DeNeveu Creek



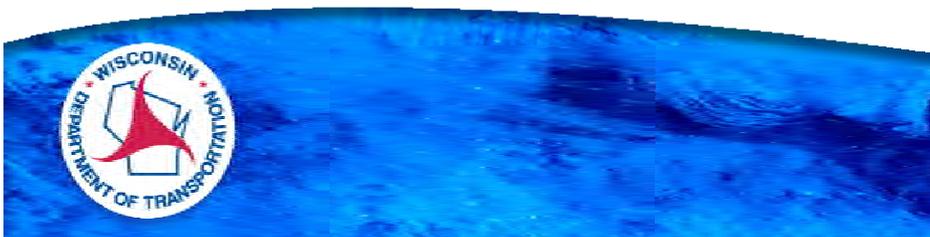
Safety Enhancements

- ▶ Geometric Improvements
 - Superelevation corrections
 - Vertical curve correction at County K west
 - Relocation of County H intersection



Safety Enhancements

- ▶ Obstacle removal in the clear zone
 - Encroachments
 - Trees
 - ~ 35 within clear zone



Safety Enhancements

▶ Project Crash Data

- Crash rate from Eden to County H is 135.8 compared to statewide average of 87
- Crash rate from County H to Fond du Lac is 266.89 compared to statewide average of 76
- 80 crashes from Eden to County V
- 29 involved fixed objects, 36% of crashes



Safety Enhancements

- ▶ Crash statistics (2013 Wisconsin Crash Facts)
 - Collision of vehicle with fixed object – 2nd most harmful event
 - Trees – 2nd highest type of fixed object hit
 - 35,800 fixed objects hit of which 4,888 are trees
 - 78 fatal crashes
 - 1719 injury crashes
 - 3091 property damage crashes



Project Benefits

- ▶ Improved pavement surface
- ▶ Improved safety
 - Centerline rumble strips
 - Beam guard upgrades
 - Culvert replacements
 - Rehabilitation of bridge over DeNeveu Creek
 - Geometric Improvements
 - Obstacle removal in the clear Zone



Project Concerns

- ▶ Drainage
 - Working with East Central Wisconsin Planning Commission
- ▶ Impact to trees
 - ~ 35 - clear zone
 - ~ 60 - grading
 - ~1200 feet - grading County H



Next steps

- ▶ Right of way acquisition
- ▶ Complete final plans
- ▶ Complete final agency permitting
- ▶ Construction 2018



Exhibits

- ▶ Existing and proposed typical sections
- ▶ Detour route
- ▶ 2 sets plan view showing right of way needed



Contacts and resources

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