



## Business Group Meeting July 15, 2014



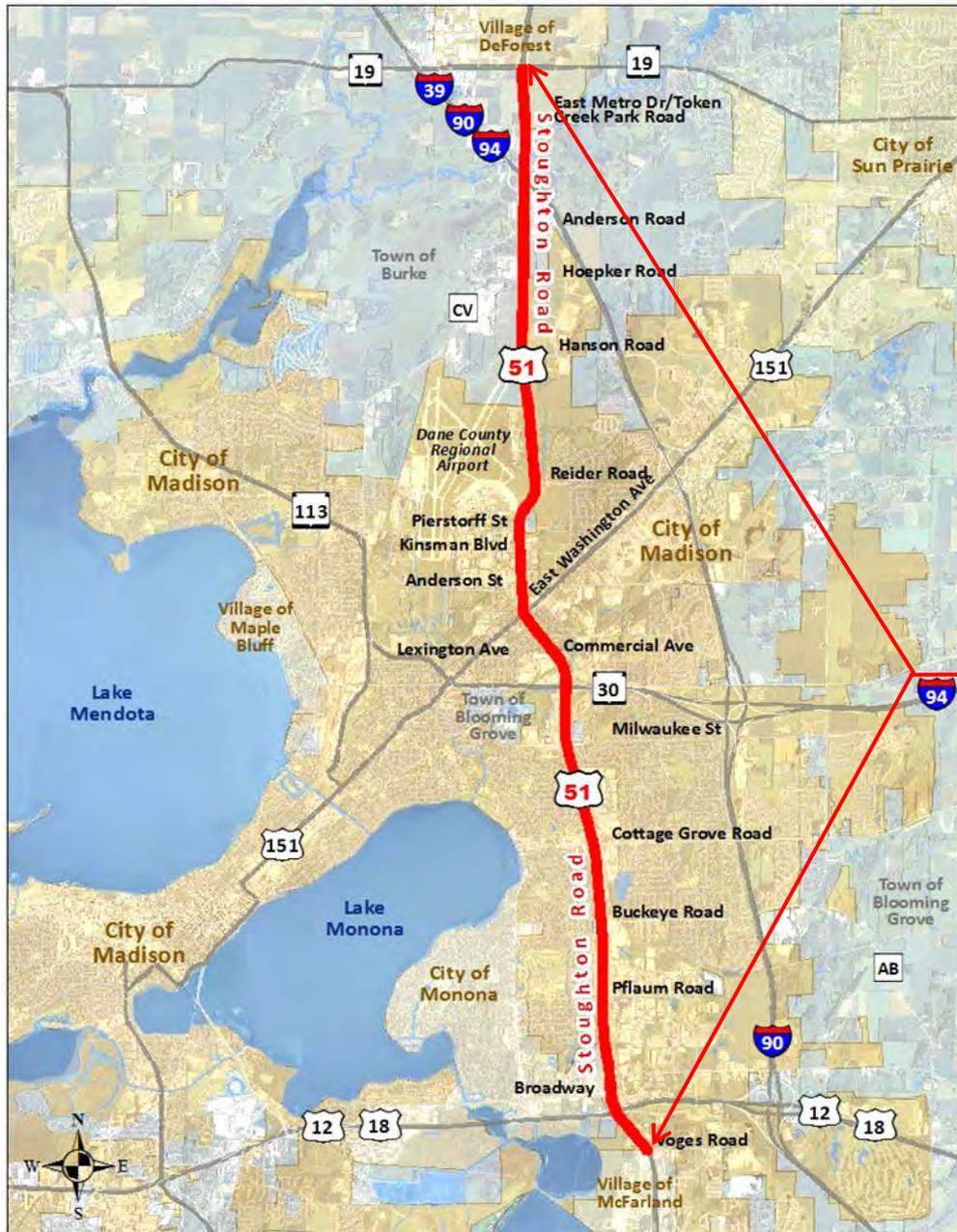
Today's presentation given by:  
Jeff Berens, P.E.  
WisDOT Southwest Region



# Presentation Outline

- Study Purpose and Need
- Alternative Concepts
- WisDOT Recommended Alternative
- Study Schedule
- Questions





**US 51, Madison – DeForest,  
Voges Road – WIS 19  
Dane County  
Project ID 5410-05-00**

**STUDY LIMITS**

# Study Purpose and Need

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- Improve safety
- Reduce congestion
- Improve bicycle, pedestrian, and transit facilities
- Reduce diversion to neighborhood streets
- Support economic development



# Traffic Safety

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- Crashes from 2008 to 2012
  - Approximately 1,905 crashes (over 7 per week)
  - Approximately 595 crashes with injuries (over 2 per week)
  - 9 fatalities
- Majority of crashes occur at signalized intersections
  - Buckeye Road
  - Pflaum Road
  - East Washington Avenue



# Traffic Operations

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- Current Traffic Operations Conditions
  - Peak hour delays increasing
  - Long backups at signalized intersections with high volume sideroads
    - Beltine/Broadway
    - Pflaum Road
    - Buckeye Road
    - East Washington Avenue
- Operations by 2040
  - Failing throughout corridor
  - Dane County population anticipated to increase by over 100,000 people in the next 20 – 25 years
  - Planned development in and around corridor will add traffic



# Alternative Concepts

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- No Build
  - Maintenance of existing roadway without expansion or reconfiguration
- Alt A – Low Build w/ Capacity Expansion
  - Keeps most existing intersections at grade
- Alt B – Enhanced Expressway
  - Adds interchanges at intersections with high crash rates and major traffic delay
- Alt C – Freeway Conversion
  - Provides a free flow movement for traffic through the corridor

***Preferred alternative could be a Combination of alternatives***



# Proposed Recommended Alt

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- Combination of Alternatives A, B, & C
- Best addresses safety and congestion issues taking into account environmental impacts and projected cost
- May change based on input from the public, municipalities, and resource agencies



# Proposed Recommended Alternative

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## Terminal Drive/ Voges Road



# Terminal/Voges – Alt A



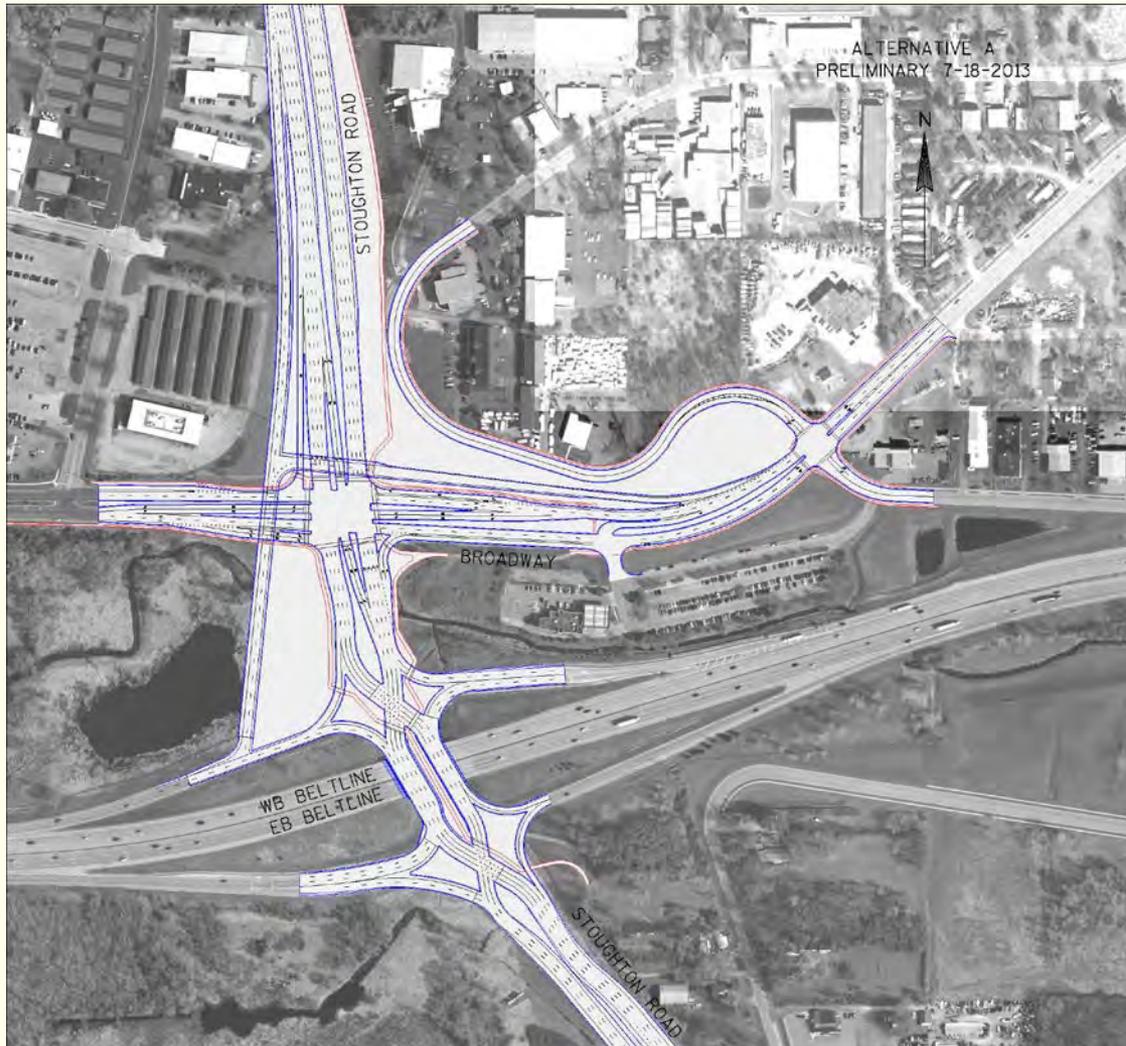
# Proposed Recommended Alternative

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## Beltline to Broadway



# Beltline to Broadway – Alt A



# Beltline to Broadway – Alt A



*View Looking Northwest*

Stoughton Road Environmental Study - Stoughton Road at East Broadway (Alt A)

March 14, 2013 



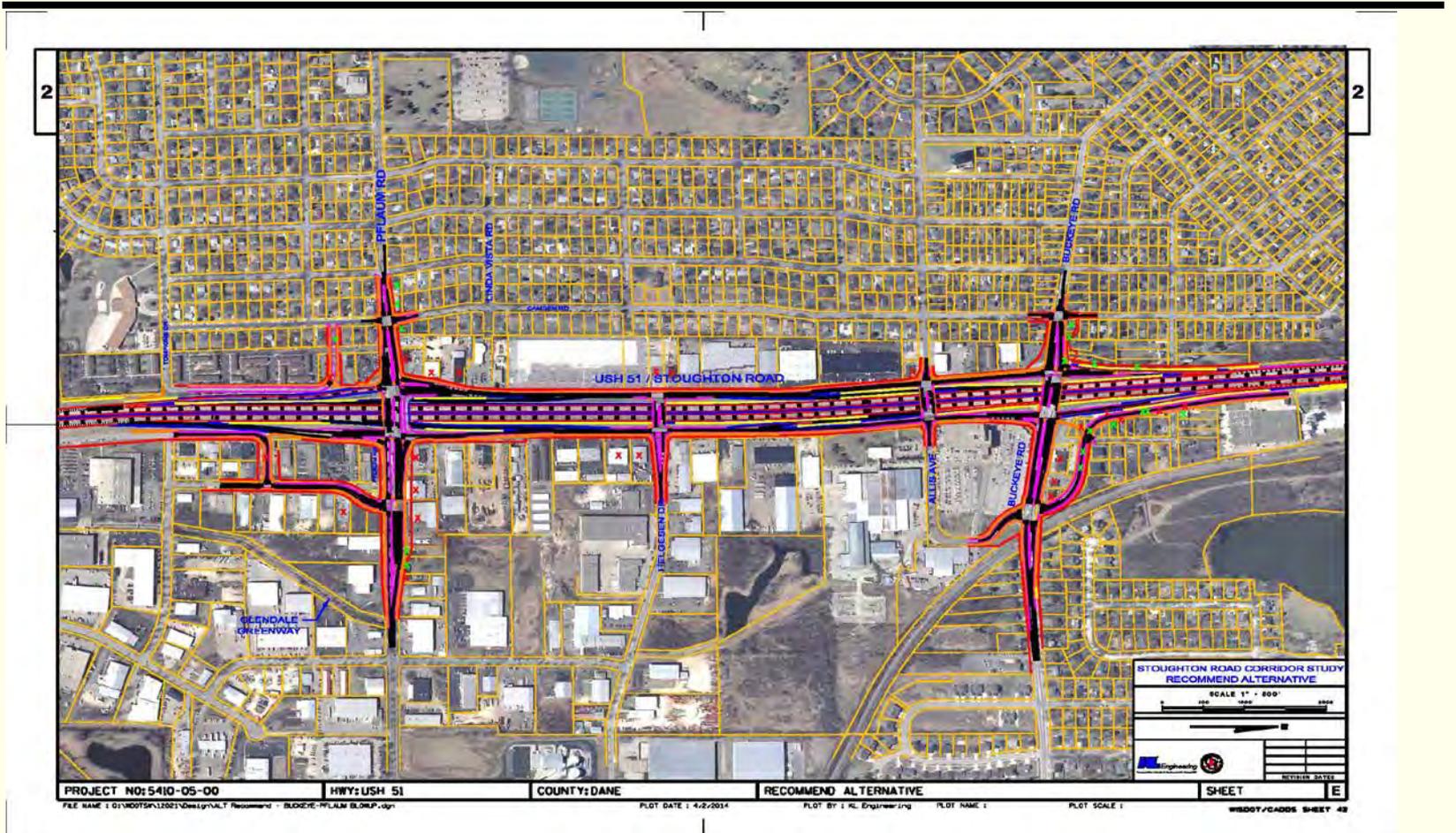
# Proposed Recommended Alternative

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## Pflaum to Buckeye



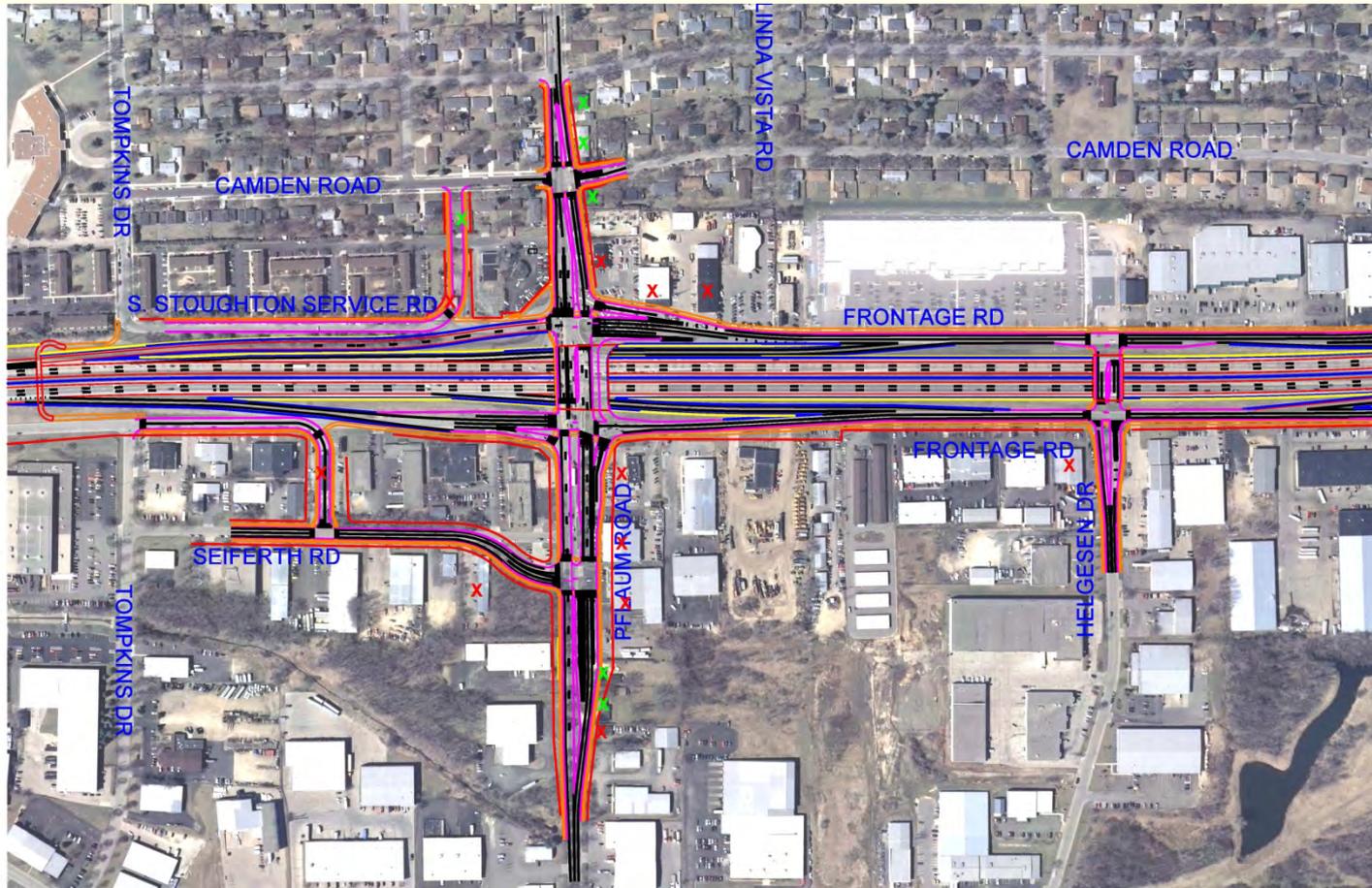
# Pflaum to Buckeye – Alt B



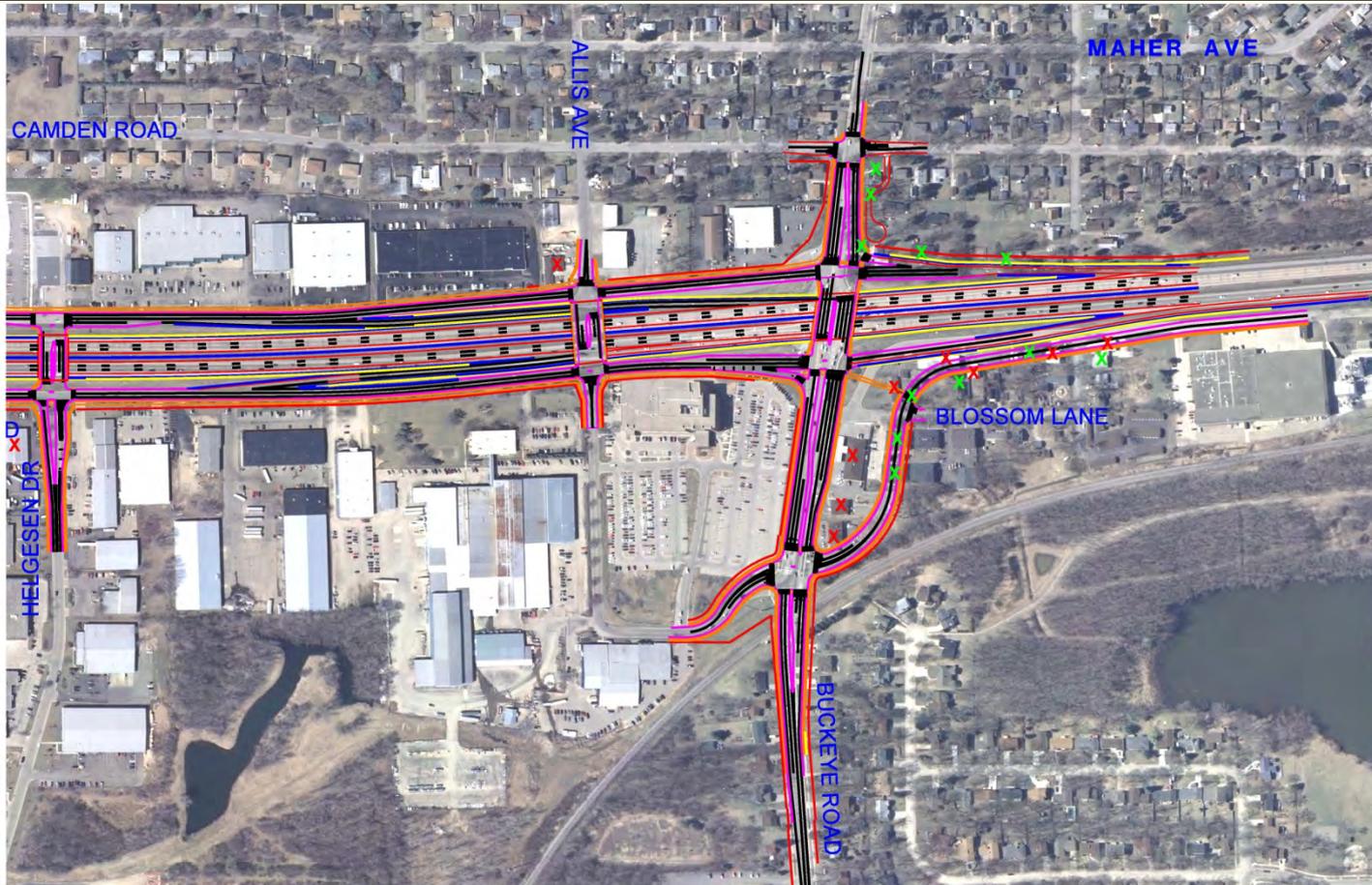
# Pflaum to Buckeye – Alt B



# Pflaum to Buckeye – Alt B



# Pflaum to Buckeye – Alt B



# Proposed Recommended Alternative

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## Cottage Grove Road



# Cottage Grove Road – Alt A



# Bicycle / Pedestrian Facilities

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- On-road as appropriate
- Upgrade crossings and parallel roadways
- Off Road Multi-Use Paths
  - Broadway – Pflaum Road
  - Pflaum Road – Buckeye Road
  - East Washington – Kinsman Road
  - Pierstorff Street – Anderson Road
- Overpasses/Underpasses
  - Tompkins Drive
  - Portland Parkway (reconstruct)
  - WIS 30
  - Ziegler Road (over WIS 30)
  - Larson Court
  - East Washington Avenue
  - Anderson Road (over I-39/90/94)



# Estimated Project Costs

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- Year 2013 \$ construction and real estate costs estimated
  - Alternative A \$200 - \$230 Million
  - Alternative B \$550 - \$630 Million
  - Alternative C \$700 - \$810 Million
  - Recommended \$300 - \$350 Million
  
- Planning Level Estimates



# Funding and Scheduling

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- Currently no funding allocated for final design or construction
- Funding would be from Majors Program (administered by TPC)
  - Statewide program
  - WisDOT prioritizes and submits to TPC
  - TPC recommends to Legislature and Governor
- If funding is approved, WisDOT can:
  - Begin final design
  - Prioritize phases or sections for most effective order of construction
  - Schedule project as appropriate



# US 51 Stoughton Road Schedule

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- Publish Draft Environmental Impact Statement (EIS) – October 2014
- Public Hearing – November/December 2014
- Select Preferred Alternative – January 2015
- Public Meeting #3 – January/February 2015
- Final EIS – Summer 2015
- Record of Decision - Fall 2015



# Upcoming Improvement Projects

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## 2014

- Voges Road to Milwaukee Street – Maintenance (chip seal and patching) for northbound lanes
- Buckeye Road and Pflaum Road - Signal improvements

## 2015

- Voges Road to Milwaukee Street – Pavement rehabilitation (overlay) for northbound lanes
- US 51 southbound bridge replacement at Cottage Grove Road

## 2017

- Voges Road to Milwaukee Street – Pavement rehabilitation (overlay) for southbound lanes



# QUESTIONS?



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**Study Website:**

**<http://www1.wisconsin.gov/Pages/projects/by-region/sw/51/default.aspx>**

