

I-94 over Pipestone Road Interchange Feasibility Study Stakeholder Meeting #1



May 8, 2013

Stakeholder Meeting #1 Agenda

- Project Background & Schedule
- Project Overview
 - Bridge Condition
 - Traffic and Safety Review
 - Environmental Considerations
 - Stakeholder/Public Involvement
- Overview of Small Group Discussion Topics
 - Identify Key Issues
 - Brainstorm Ideas and Potential Solutions
 - Understand the Challenges
- Small Group Discussions
- Report Small Group Findings
- Where do we go from here?

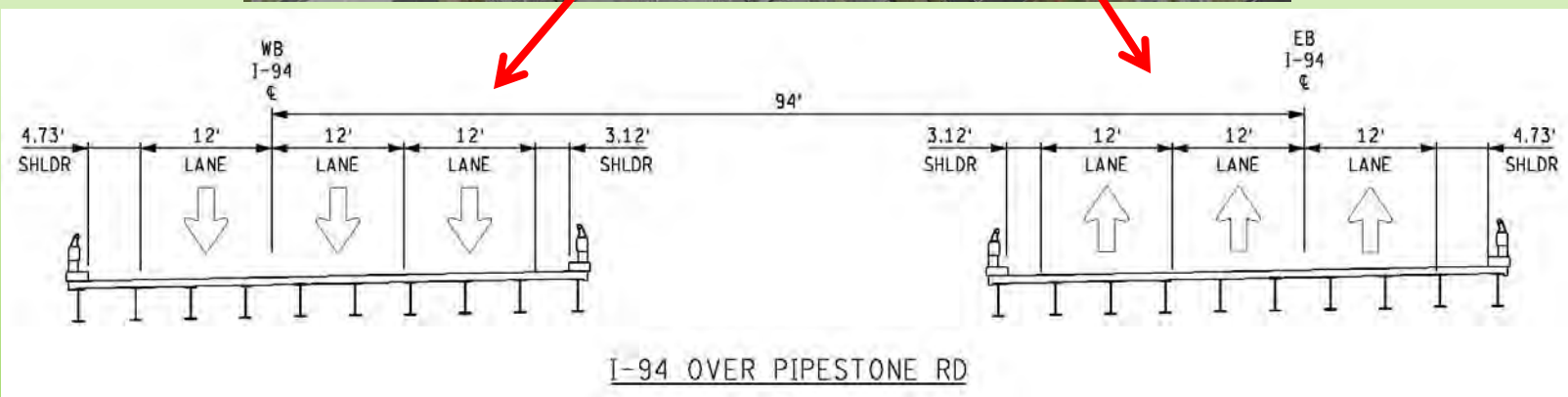
Project Background

- MDOT has initiated a feasibility study for the I-94/Pipestone Road interchange.
- Study initiated because of aging I-94 bridges over Pipestone Road.
- Study will include examination of traffic operations and how to best configure the interchange to accommodate future transportation needs.
- Stakeholder and public involvement is a key component of the study.

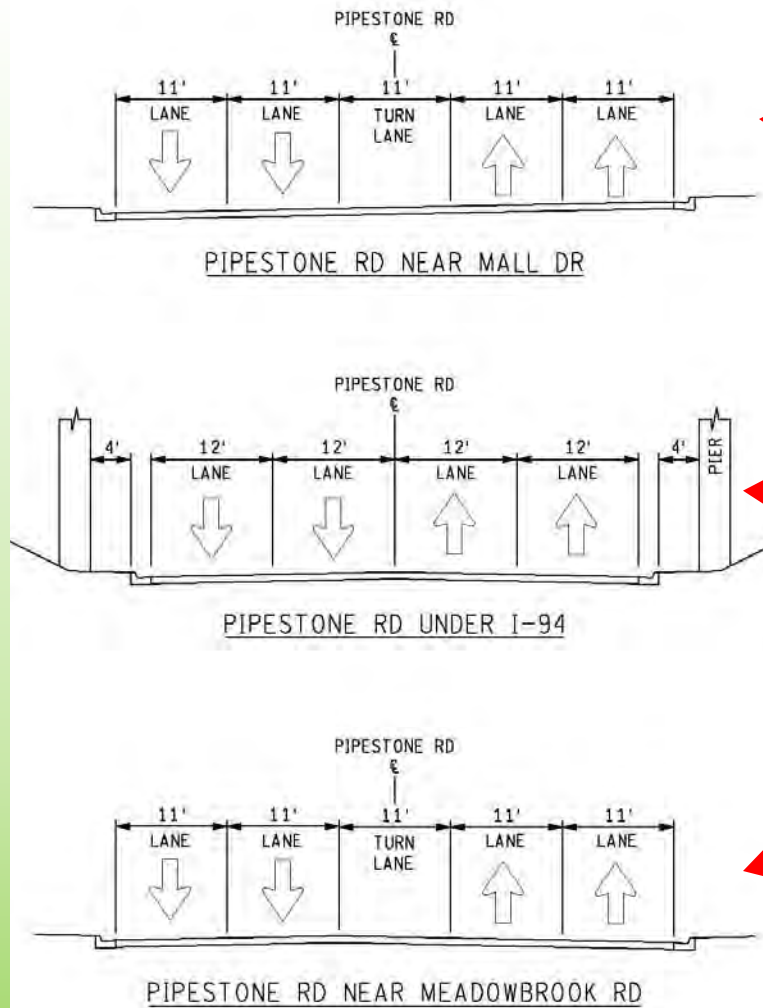
Aerial View



Existing Laneage – I-94



Existing Laneage – Pipestone Road



Project Schedule

- Stakeholder Meeting #1 - May 8, 2013
 - Discuss issues and brainstorm ideas
- Stakeholder Meeting #2 - May 22, 2013
 - Present preliminary alternatives
- Stakeholder Meeting #3 - June 5, 2013
 - Finalize project alternatives
- Public Meeting - Summer 2013 (approximate)
- Draft Report of Findings - Fall 2013
- Finalize Report of Findings - Winter 2013/2014
- Project Construction Begins – To be determined

Bridge Condition

- Biannual Inspections



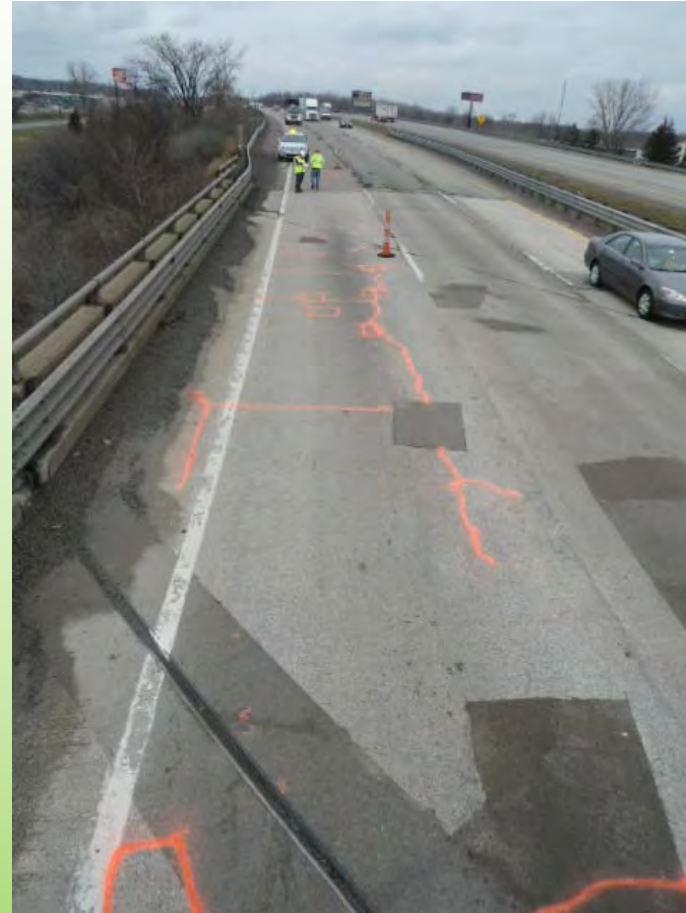
Piers

- Exposed Rebar
- Cracking Concrete
- Concrete Surface Flaking Off



Deck Surface

- Cracking
- Leaking



Deck Underside

- Minor rust stains on permanent metal decking



Beams

- Section Loss (i.e. rust)
- Pack Rust at majority of beams



Bridge Railing

- Exposed Rebar
- Cracking Concrete
- Concrete Surface Flaking Off









Bridge Approaches

- Settlement
- Pavement Cracking
- Patch Deterioration

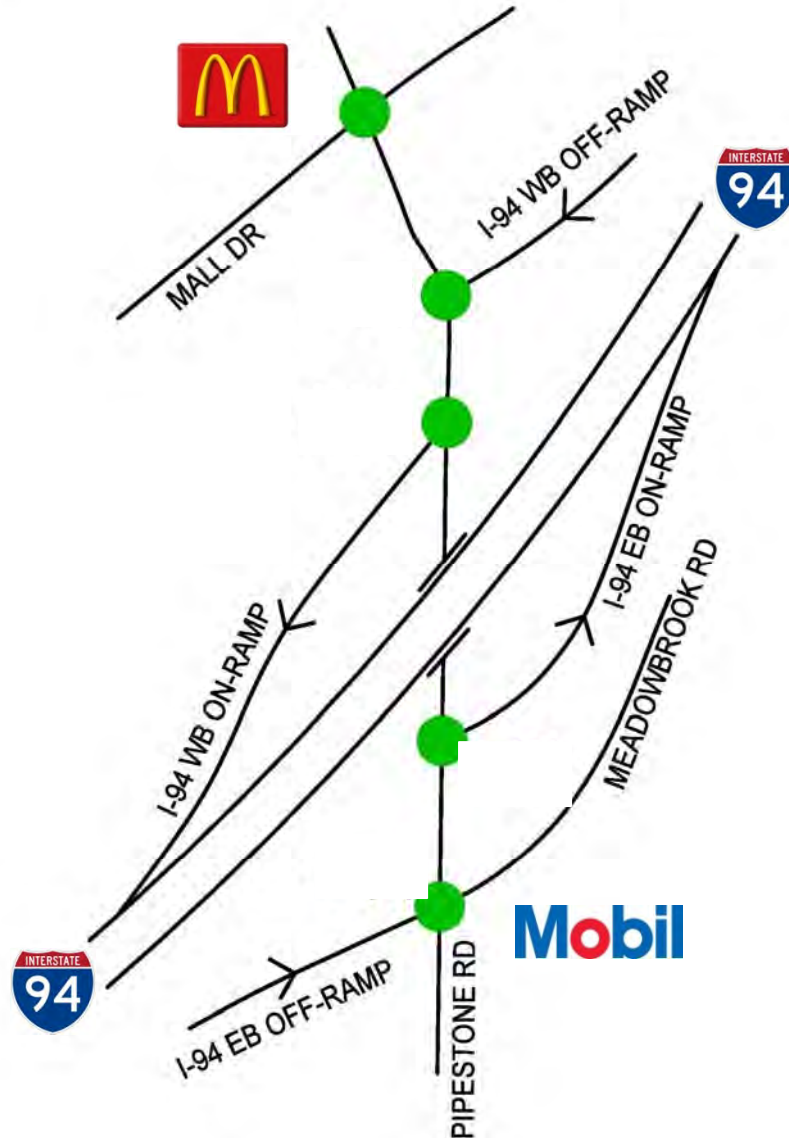


Traffic & Safety Review

Level-of-Service	Signalized Intersections	
	Control Delay (seconds per vehicle)	
A	≤ 10	
B	10 – 20	
C	20 – 35	
D	35 – 55	
E	55 – 80	
F	> 80	

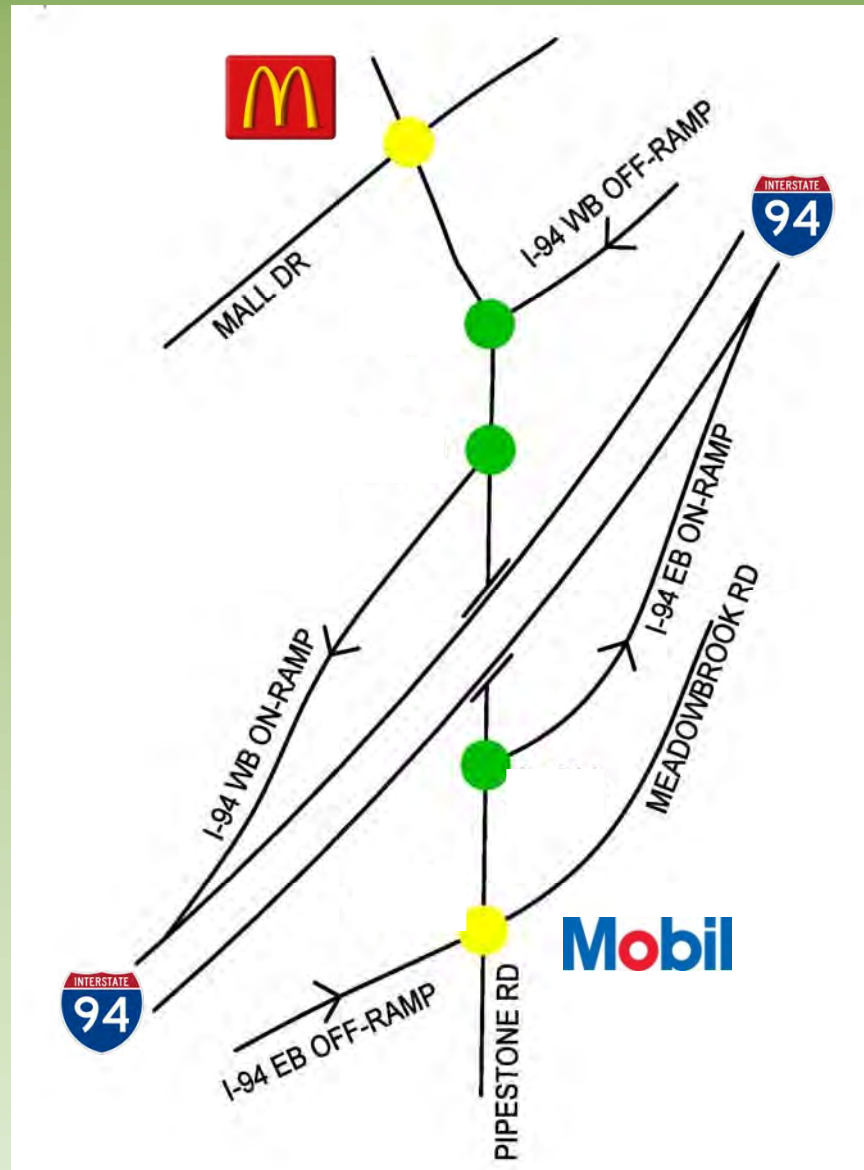
Existing Conditions (2012)

- Existing (2012)
Level of Service is
"A" and "B" range



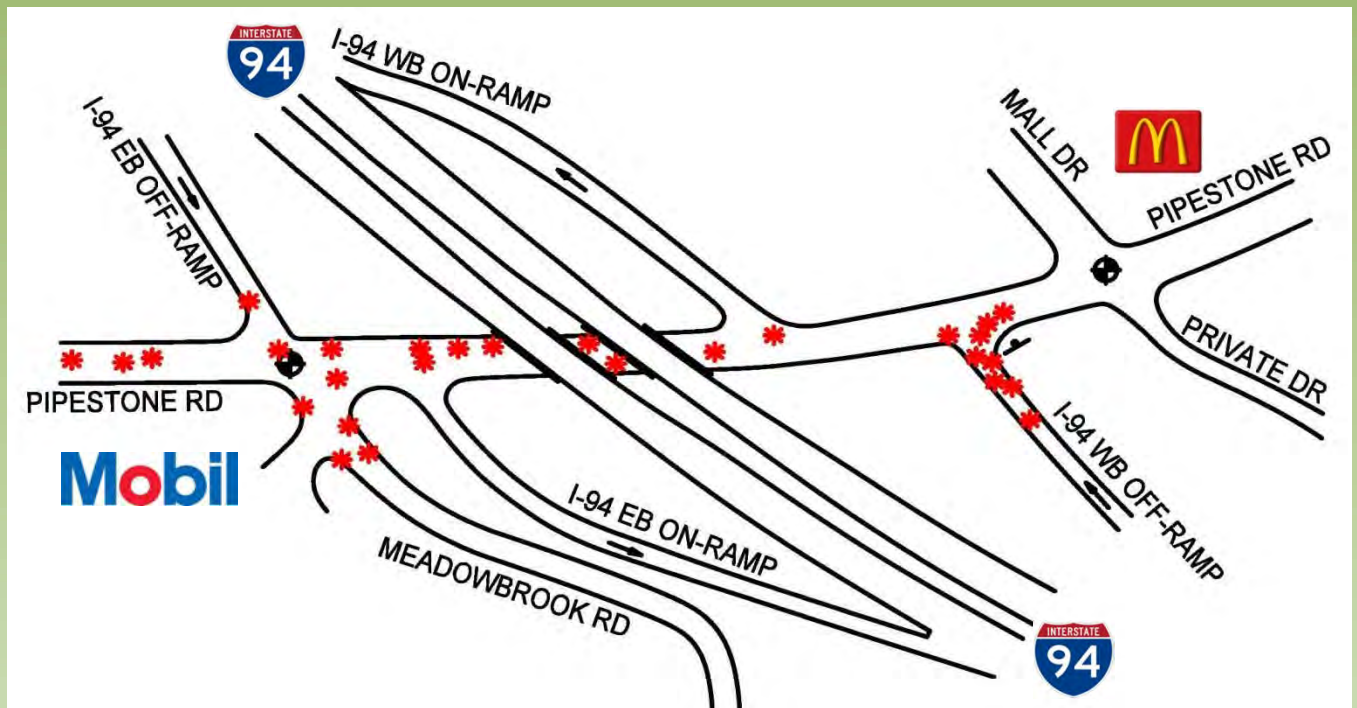
Projected Conditions (2039)

- Projected (2039) Level of Service is "B" and "C" range



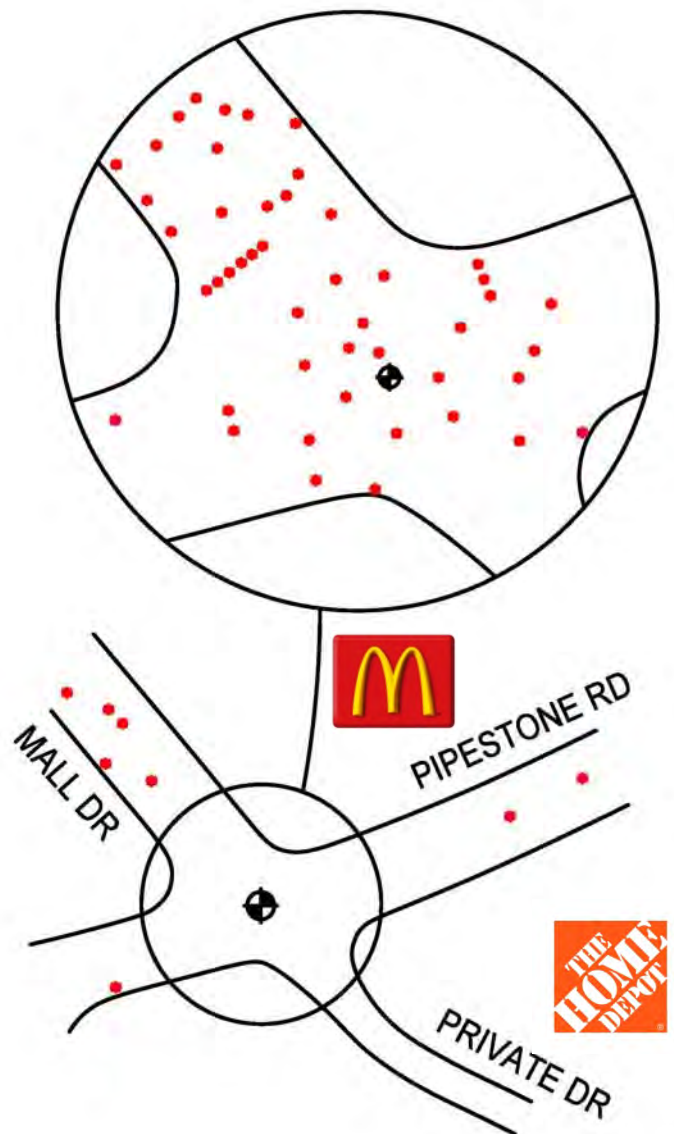
Pipestone Road Crashes (2010-2012)

- Sideswipe crash pattern on westbound off-ramp
- One south-bound crash involved driver confusion at Meadowbrook and EB ramp



Pipestone Road Crashes (2010-2012)

- Crash rate twice the average of intersections with similar volume
- Rear-end pattern on Mall Drive approach
- One fatality in previous three years (motorcyclist lost control approaching signal)



Environmental Considerations

- Study includes Social, Environmental and Economic Review of the Study Area
 - Agricultural
 - Recreational Properties
 - Historic
 - Archaeological
 - Wetlands Streams and Floodplains
 - NPDES
 - Coastal Zone
 - Noise and Air Quality
 - Migratory Birds
 - Endangered Species
 - Indirect Cumulative Impacts

Environmental Study Area



Historic Properties

JN 115206 I-94 at Pipestone Berrien Co.
Potential Historic Properties



1. 1559 Pipestone (Vance Ferguson Cemetery Memorials)
2. House at 1592 Pipestone (NW quad of Pipestone and Rackliffe)
3. House at 1645 Pipestone (E side of Pipestone, 3rd building S of Napier)
4. House at 1666 Pipestone (W side of Pipestone, 8th driveway S of Rackliffe)

JN 115206 I-94 at Pipestone Berrien Co.
Potential Historic Properties



- 5. House at 2631 Pipestone (E side Pipestone, 1st house N of Nickerson/Sodus)
- 6. House at 2650 Pipestone (NW quad Pipestone and Nickerson/Sodus)

Please note the blue square is a property within the 500' buffer of the project limits.

JN 115206 I-94 at Pipestone Berrien Co.
Potential Historic Properties



7. House at SE quad of Nickerson and I-94

MDEQ Considerations



Environmental Considerations

- Study is being completed in accordance with Planning and Environment Linkages (PEL) Process
 - Identify Issues and Concerns
 - Define the Problem
 - Identify Impacts



Stakeholder and Public Involvement

- MDOT wants your input!
- What kind of input is MDOT looking for?
 - What works well at the interchange?
 - What doesn't work well at the interchange?
 - What is missing?
- Other stakeholder comments/ideas
- Study in accordance with MDOT "Complete Streets Policy"



Small Group Discussions

- Each table will have a URS or MDOT representative to facilitate the discussion.
- Each table will:
 - Identify Key Issues
 - Brainstorm Ideas and Potential Solutions
 - Understand the Challenges
- You are encouraged to share your ideas and opinions. Now is the time to help us completely understand all the issues.
- Comment forms are provided for you to write down your issues, ideas, and concerns.
- A stakeholder from each table will give a brief synopsis of the discussions at his/her table.

Where do we go from here?

- URS and MDOT will compile today's comments and ideas and submit back to stakeholders for review.
- URS and MDOT will evaluate alternatives that best meet the goals and objectives we learned from you today.
 - Geometrics
 - Traffic Projections
 - Levels of Service
 - Cost Estimates
- Next Stakeholder Meeting on May 22, 2013
 - Findings of Alternatives Analysis
 - Comment on Alternatives

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THANK YOU!!