

Cobban Bridge Location Study

January 5th, 2016
Cornell, WI



Presentation Overview

- **Review preliminary alternatives**
- **Public Involvement**
- **Agency Coordination**
- **Detailed study alternatives**
- **Preferred Alternative**
- **Other considerations**
- **Project timeline**
- **Contacts**

Preliminary Alternatives



- No build: Remove existing bridge
- Rehabilitate existing bridge
- Build a new bridge



Preliminary Alternatives



- No build: Remove existing bridge
 - Does not meet purpose & need
 - Rehabilitation not feasible
 - Keeping/maintaining bridge is a liability for the County

Carried forward for baseline comparison

Preliminary Alternatives Rehabilitate Existing Bridge



- The bridge is in poor structural condition



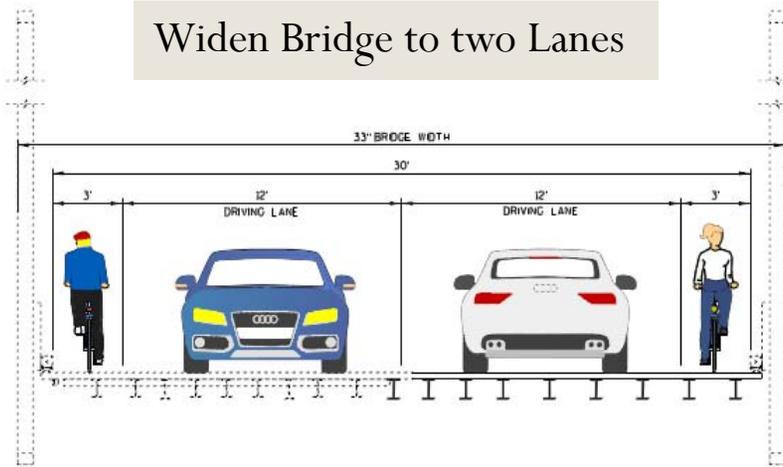
- Outdated design
- Width, weight, height, and speed restrictions



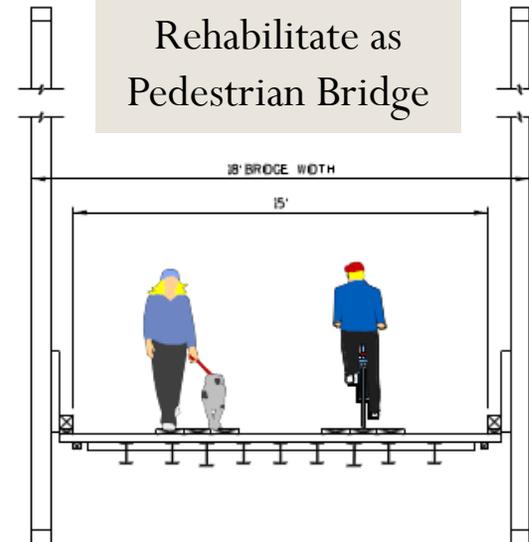
Preliminary Alternatives Rehabilitate Existing Bridge



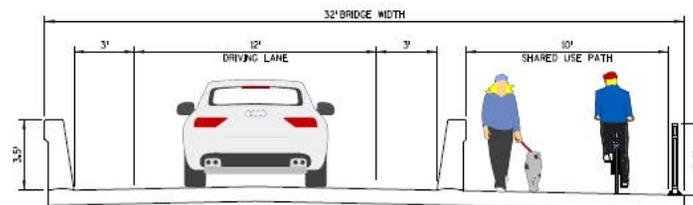
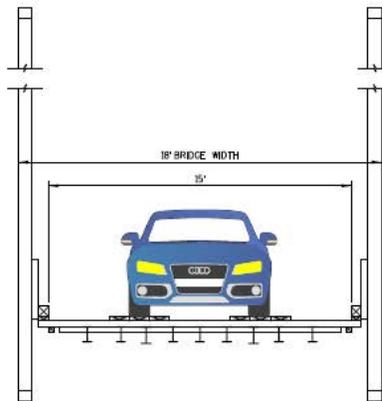
Widen Bridge to two Lanes



Rehabilitate as
Pedestrian Bridge



One Lane Pairs



Preliminary Alternatives

Rehabilitate Existing Bridge



- Construction Costs **>\$13M**
- Complicated construction methods
- Historical integrity difficult/impossible to maintain



*Dropped from further
consideration
Not prudent to construct*

Preliminary Build Alternative Corridors

- 180th Street/ County TT
- Existing Location
- County R/ 200th Ave



Public Involvement



- Meetings to date:
 - Local Officials Meeting – September 8, 2014
 - 14 attendees
 - Public Involvement Meeting – September 8, 2014
 - 52 attendees
 - Public Involvement Meeting – September 9, 2014
 - 26 attendees
 - Local Officials Meeting – January 5, 2016
 - Public Involvement Meeting – January 5, 2016
 - Public Involvement Meeting – January 6, 2016

Public Involvement – What We Heard



The Cornell District would like a bus-crossable bridge.

If the current bridge can't be rehabilitated to withstand today's traffic weight limits, we would like a new bridge as close to the existing as possible.

I appreciate it's unique historical and aesthetic value.

This structure is needed!

I choose the lowest cost option.

A safe and convenient access to highway 178 along with traffic safety, neighborhood safety, maintaining wetlands and historical structures, are concerns for us with this project.

Agency Coordination



- Meetings to date:
 - Agency Coordination Meeting – November 6, 2014
 - Purpose was to introduce project to WDNR and the USACE and obtain input on the preliminary alternatives
 - Agency Coordination Meeting – July 28, 2015
 - Purpose was to explain and discuss detailed study alternatives and to obtain input on the preferred alternative from the WDNR and the USACE
 - Agency Coordination Meeting – September 23, 2015
 - Purpose was to obtain input from agencies on preferred alternative from the WDNR and the USACE

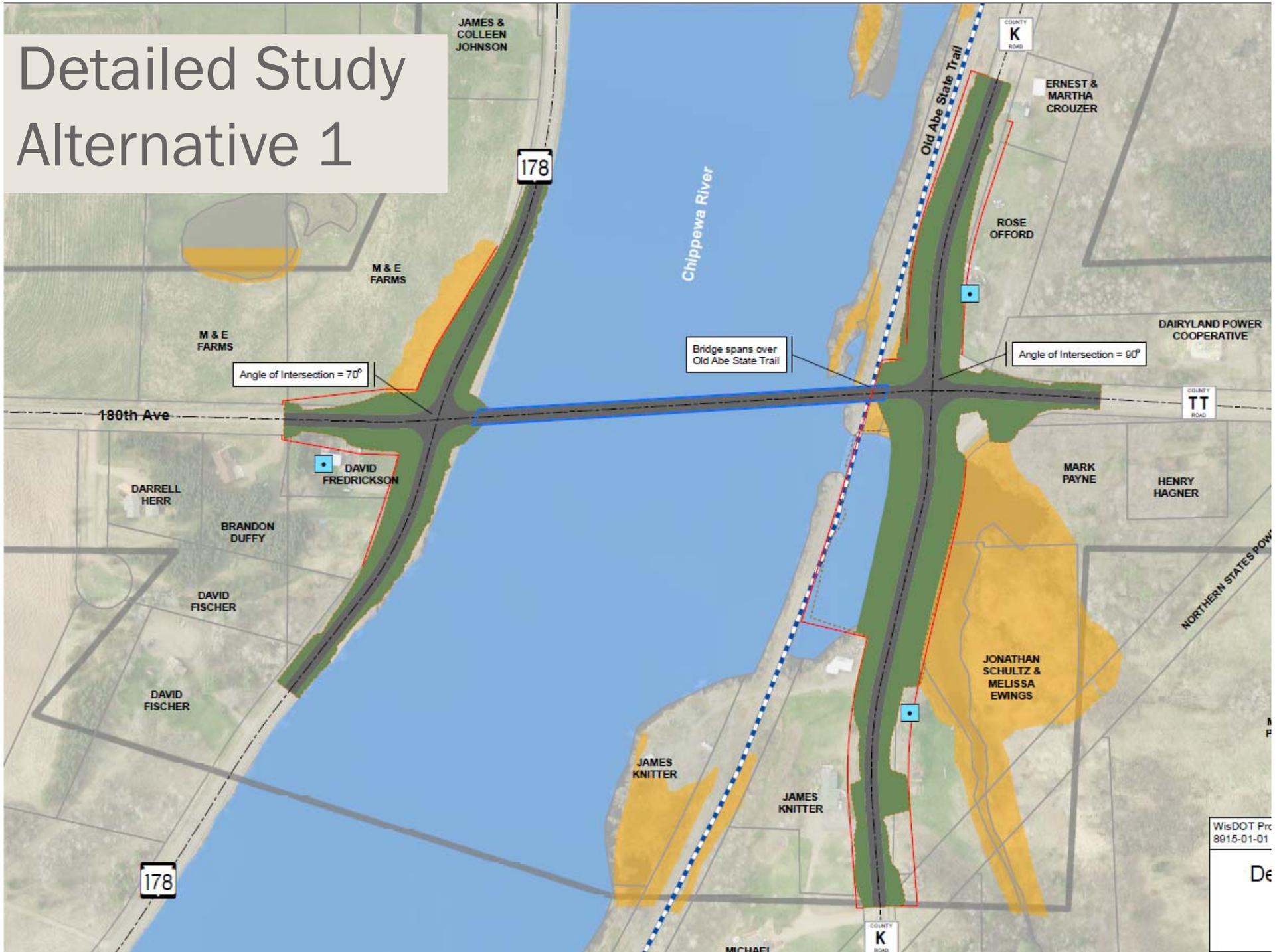
Detailed Study Alternatives



- No build (remove existing bridge)
- Build a new bridge
 - Alt 1
 - Alt 1B
 - Alt 3
 - Alt 5



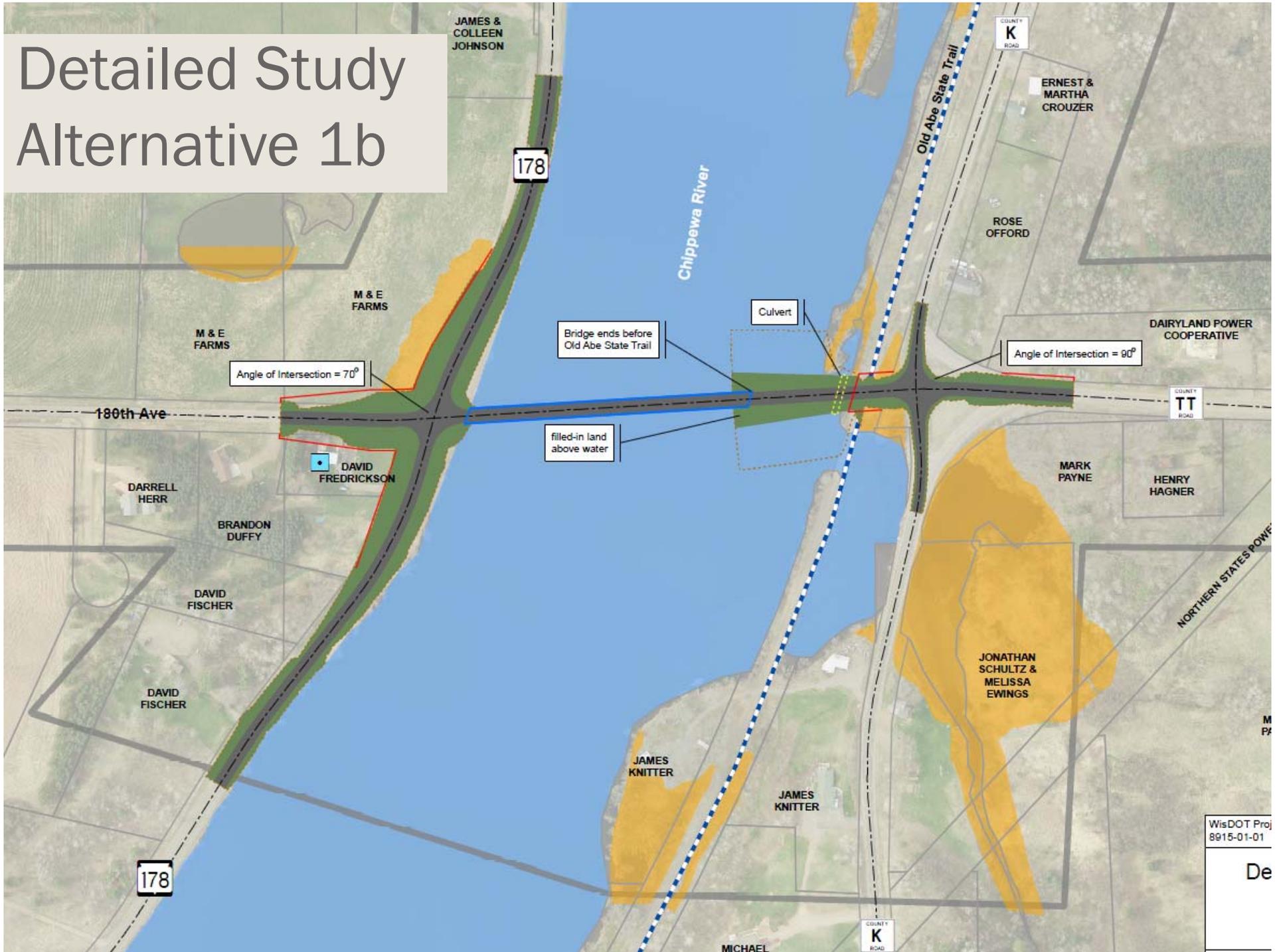
Detailed Study Alternative 1



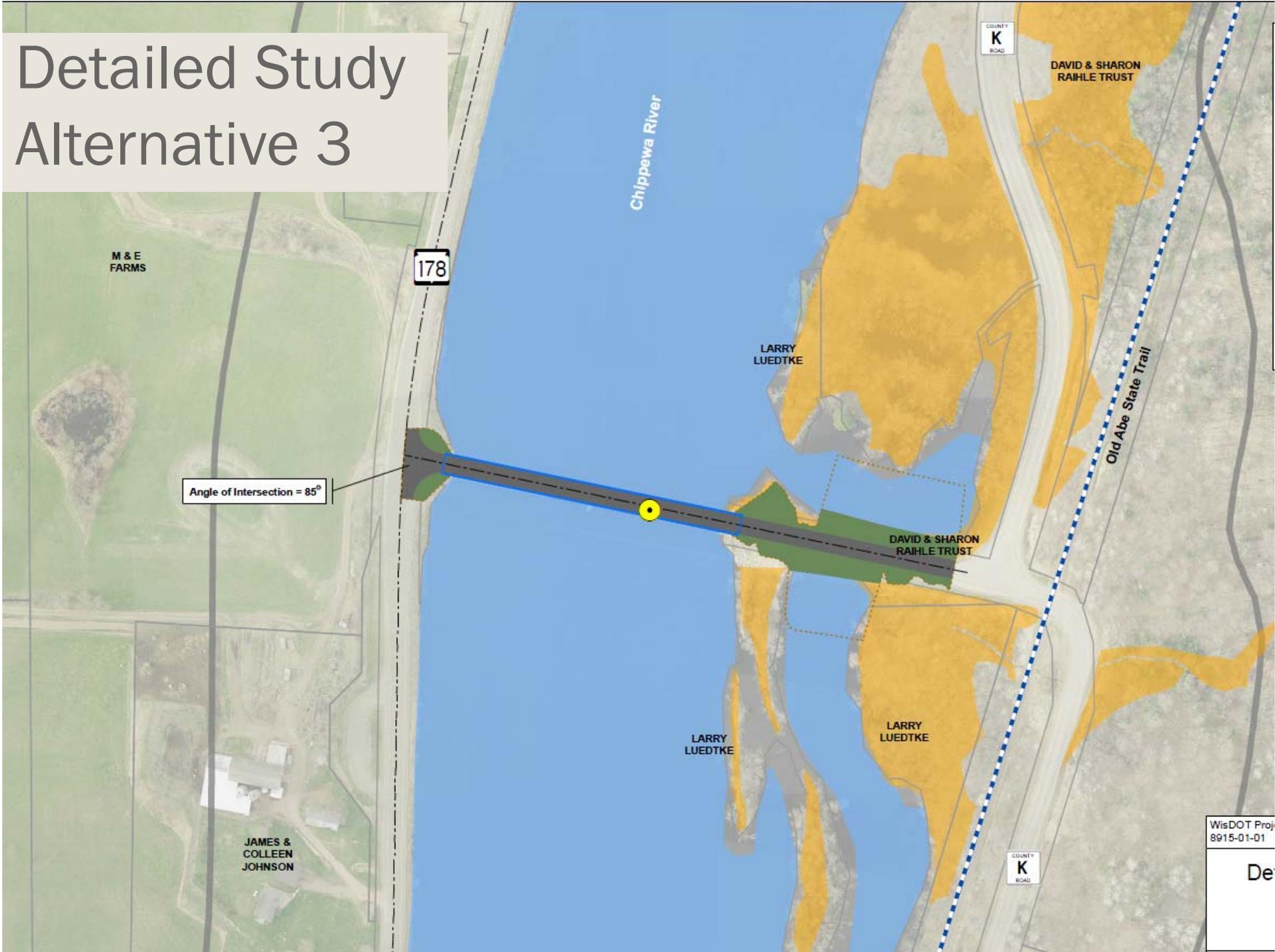
WisDOT Proc
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Detailed Study Alternative 1b



Detailed Study Alternative 3



Comparison of Impacts-New Build Options

Comparison Factor	1 (180 th)	1b (180 th)	3 (Existing)	5 (200 th)
Project Length (Lane Miles)	0.9	0.7	0.2	0.7
Construction Cost: (\$Mil)	\$11.2	\$7.6	\$4.7	\$7.4
Farms Potentially Affected	1	0	0	2
Additional Wetland (Acres)	2.6	2.2	1.1	0.1
Area From Farm Operations Required (Acres)	0.1	0	0	3.1
Other Area Impacted (Acres)	2.4	1.5	0.2	0.8
Total Land Impacted (Acres)	2.5	1.5	0.2	3.9
Buildings Required	3	1	0	1
Potentially Eligible Historic Properties (not including Cobban Bridge)	0	0	0	0
Archaeological Sites	0	0	0	0
Old Abe State Trail Affected	Yes	Yes	No	No

Preferred Alternative – Alt 1b Modified



Preferred Alternative – Alt 1b Modified



Comparison of Impacts-New Build Options

Comparison Factor	1b (180th)	1b Modified (Preferred)
Project Length (Lane Miles)	0.7	0.7
Construction Cost: (\$Mil)	\$7.6	\$7.2
Farms Potentially Affected	0	1
Additional Wetland (Acres)	2.2	0.6
Area From Farm Operations Required (Acres)	0	0.0
Other Area Impacted (Acres)	1.5	0.8
Total Land Impacted (Acres)	1.5	0.8
Buildings Required	1	0
Potentially Eligible Historic Properties (not including Cobban Bridge)	0	0
Archaeological Sites	0	0
Old Abe State Trail Affected	Yes	Yes

Preferred Alternative – Alt 1b Modified



Causeway Impacts

Comparison Factor	1b Modified (Preferred)
Width of Causeway at Water Level	85 ft. (max)
Quantity of Causeway Fill Above Water Level	1,610 CY
Quantity of Causeway Fill Below Water Level	6,130 CY

Other Considerations



- Section 4(f) Resources (parks and recreation lands, wildlife and waterfowl refuges, and historic sites)
 - Cobban Bridge
 - Old Abe State Trail
- Section 106 Resources (historic properties)
 - Cobban Bridge

Project Timeline



- Development of alternatives – *Fall/Winter 2014*
- Analysis of alternatives – *Spring/Summer 2015*
- Selection of a preferred alternative – *Winter 2015/2016*
- Completion of environmental document – *Summer/Fall 2016*
- Anticipated construction date – *Not currently scheduled*

Contacts



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