

## CONCEPT DEFINITION REPORT

Date: 04/22/2014

Region: NW PDS Eau Claire Unit 4

Prepared By: FELIX, JESSICA L - DOTJLF

### GENERAL

Design ID: 8949 05 02

Related ID(s): 8949-05-72,8949-05-40

Highway No. or Local Road Name: USH 012

Route length (miles): 0.02

Title/Limit: BALDWIN - MENOMONIE WILSON CREEK BRIDGE B-17-0009

Functional class: MAJOR COLLECTOR

Current ADT: 1690

Connecting hwy: N

### COUNTIES

County name	Primary Flag
DUNN	Y

### FEATURES

#### Roadway conditions

Lanes: 2

Divided: N

Rural: Y

Pavement width (ft): 22

Pavement condition year: 0

Pavement surface type: ACPM/FB

IRI: 1.71

PDI:

PCI: 88

Left shoulder surface type: Asphalt

Right shoulder surface type: Asphalt

Shoulder width (ft): 6

Paved width (ft): 3

Crash rate: 40.6681

Crash rate year: 2012

Substandard align horiz: FAIR

Substandard align vert: POOR

Crash rate improvement flag: N

Injury death improvement flag: N

Runoff improvement flag: N

Intersection improvement flag: N

### Structures

Structures flag: Y

ID	Feature under	Feature on	Type	Yr const	Width (ft)	Length (ft)	SR	RS
B-17-0009	Wilson Creek	USH 12	T GIRDER CONT CONCRE TE	1953	30.6		53.7	71.8

## Railroad Crossings

Railroad crossing flag: N

### PROPOSED IMPROVEMENT

**JUSTIFICATION:** This structure was built in 1953. It has been overlaid with concrete twice (1971 and 1989). The deck currently has several spalls and full depth failures. Given the T-girder design, the deck acts as the top portion of the girder and is deteriorating quickly.

**Proposed improvement description:** Replace the structure with a slab span structure to maximize & retain available freeboard. Construct in halves under single lane signalized traffic. Structure width dependent on relocation alternative for 106th street and construction staging. Minimum width required is 36 feet. Bridge to be centered on alignment and have wider shoulder on each side to accommodate farm equipment. Modified intersection type to be reviewed to reduce right-of-way impacts for tying back into existing roadway.

**Environment documentation type:** 2C - FHWA DOCUMENTED CATEGORICAL EXCLUSION

**Improvement concept:** BRRPL - BRIDGE REPLACEMENT, PRESERVATION

**Total construction estimate:**

**Utility amount:**

**Railroad amount:**

**Design amount:**

**Program year:** 2019

**Legislative subprogram:** 303 -STATE HIGHWAY REHABILITATION

## WisDOT Programs

SHR BRIDGES - Allocated
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**Local participation:** N

**Aes/Vis Lvl Of Impact Rating:**

**Real estate:** Y

**NHS:** N

**Access control:** NA

**% Of Project Cost:** 0

**Real estate cost:**

**FHWA Oversight Exempt:** Y

**Accepted By:** JESSICA L FELIX

**Original Accepted By:**

**Accepted Date:** 04/22/2014

**Original Accepted Date:**

## CDR Map

