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## CONCEPT DEFINITION REPORT

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**Date:** 02/28/2017

**Region:** SW PDS Lacrosse Unit 3

**Prepared By:** RICHARDSON, LINDA K - DOTLZP

### GENERAL

**Design ID:** 1017 01 03

**Related ID(s):** 1017-01-71,1017-01-73

**Highway No. or Local Road Name:** IH 090

**Route length (miles):** 15.773

**Title/Limit:** TOMAH - CAMP DOUGLAS, EB USH 12 TO CTH C

**Functional class:** FREEWAYS AND EXPRESSWAYS

**Current ADT:** 31388

**Connecting hwy:** N

### COUNTIES

County name	Primary Flag
JUNEAU	N
MONROE	Y

### FEATURES

#### Roadway conditions

**Lanes:** 2

**Divided:** Y

**Rural:** Y

**Pavement width (ft):** 24

**Pavement condition year:** 0

**Pavement surface type:** ACPM/RB

**IRI:** 1.156

**PDI:**

**PCI:** 70.203

**Left shoulder surface type:** Rumble  
strip - Bituminous

**Right shoulder surface type:**  
Rumble strip - Bituminous

**Shoulder width (ft):** 13

**Paved width (ft):** 11

**Crash rate:** 127.0585

**Crash rate year:** 2014

**Substandard align horiz:** GOOD

**Substandard align vert:** GOOD

**Crash rate improvement flag:** Y

**Injury death improvement flag:** Y

**Runoff improvement flag:** Y

**Intersection improvement flag:** Y

#### Structures

**Structures flag:** N

#### Railroad Crossings

**Railroad crossing flag:** N

## PROPOSED IMPROVEMENT

**JUSTIFICATION:** This HMA pavement in the Eastbound Roadway placed in 2011 did not perform well. A significant number of repairs and thin overlays were needed within a few years after construction. As a further interim measure, two inches of HMA was milled off and replaced in 2016 throughout the project. Concerns about the integrity of the remaining HMA layers continue. This project includes all three legs - IH 90, IH 94, and IH 90-94.

**Proposed improvement description:** Remove and replace the entire depth of HMA in the Eastbound Roadway. Project 1017-01-71 is the prep contract to build crossovers, shoulder widening-strengthening, and any other work required to maintain traffic during construction. Project 1017-01-73 is the main construction project. Structure work is not planned as part of this project unless widening or raising is necessary to maintain traffic during construction.

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

**Improvement concept:** RESURFACING

**Total construction estimate:** \$31,000,000.00

**Utility amount:** \$0.00

**Railroad amount:** \$0.00

**Design amount:** \$3,720,000.00

**Program year:** 2023

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

## WisDOT Programs

BACKBONE
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**Local participation:** N

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

**Real estate:** N

**NHS:** Y

**Access control:** NA

**% Of Project Cost:** 0

**Real estate cost:** \$0.00

**FHWA Oversight Exempt:** Y

**Accepted By:** LINDA K RICHARDSON

**Original Accepted By:**

**Accepted Date:** 02/28/2017

**Original Accepted Date:**

## CDR Map

