
CONCEPT DEFINITION REPORT

Date: 04/23/2013

Region: SW PDS MADISON UNIT 3

Prepared By: RICHARDSON, LINDA KA - DOTLZP

GENERAL

Design ID: 1204 05 02

Related ID(s): 1204-05-72

Highway No. or Local Road Name: USH 018

Route length (miles): 14.09

Title/Limit: DODGEVILLE - MT HOREB USH 151 TO TOWN HALL ROAD

Functional class: FREEWAYS AND EXPRESSWAYS

Current ADT: 15817

Connecting hwy: N

COUNTIES

County name	Primary Flag
DANE	N
IOWA	Y

FEATURES

Roadway conditions

Lanes: 4

Divided: Y

Rural: Y

Pavement width (ft): 24

Pavement condition year: 0

Pavement surface type: JPCP W/D

IRI: 1.315

PDI:

PCI: 86.055

Left shoulder surface type: Rumble
strip - Bituminous

Right shoulder surface type:
Rumble strip - Bituminous

Shoulder width (ft): 10

Paved width (ft): 8

Crash rate: 800.7773

Crash rate year: 2011

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

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PROPOSED IMPROVEMENT

JUSTIFICATION: THIS PROJECT CONSISTS OF 14.09 CL MILES IN THE EASTBOUND ROADWAY AND 22.83 CL MILES IN THE WESTBOUND ROADWAY.THESE CONCRETE PAVEMENTS WERE CONSTRUCTED IN 1980, 1981 AND 1988 WITHOUT DOWEL BARS.DOWEL BARS WERE RETROFIT IN 2000.THE PAVEMENT EXHIBITS DISTRESS AT THE TRANSVERSE AND LONGITUDINAL JOINTS AND CORNER CRACKING.A 2.5 MILE SEGMENT IN THE EB ROADWAY IS PERFORMING POORLY ENOUGH IT WILL RECEIVE A THIN OVERLAY IN 2013 (PROJECT 1204-05-60).

Proposed improvement description: OVERLAY THE TRAVEL LANES AND PAVED SHOULDERS, INCLUDING THE SEGMENT OVERLAID IN 2013.BRING TURN LANES AND CLEAR ZONES UP TO STANDARDS.SOME BRIDGE WORK IS ALSO ANTICIPATED AND, IF SO, A REVISED CDR WILL BE ISSUED AFTER SCOPING.

Environment documentation type: 2C - FHWA DOCUMENTED CATEGORICAL EXCLUSION

Improvement concept: RESURFACING

Total construction estimate: \$8,700,000.00

Utility amount: \$0.00

Railroad amount: \$0.00

Design amount: \$207,500.00

Program year: 2018

Legislative subprogram: 303 -STATE HIGHWAY REHABILITATION

WisDOT Programs

BACKBONE

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: N

Accepted By: LINDA KA RICHARDSON

Accepted Date: 04/24/2013

Original Accepted By:

Original Accepted Date:

CDR Map

