## IOWA DEPARTMENT OF TRANSPORTATION

**TO OFFICE:** District 1 **DATE:** May 23, 2013

ATTENTION: Scott Dockstader PROJECT: Polk County

NHSX-141-7(42)--3H-77

PIN: 13-77-141-020

**OFFICE:** Design

FROM:

**SUBJECT:** Project Concept - FINAL

Kevin K. Patel

<u>**DATE OF REVIEW**</u>: February 20, 2013\_; <u>**PARTICIPANTS**</u>: District 1 - Tony Gustafson, Wes Musgrove and Cy Quick; Preliminary Bridge – Rob Cornelis; Traffic and Safety – Kurtis Younkin; Design - Kevin Patel, and Amy Schleier.

IA 141 is an east-west route; however, in the area of this project, IA 141 runs north and south. In this concept, the directional terms "eastbound" (south) and "westbound" (north) are used.

The intent of this project is to increase capacity by constructing an additional lane on Iowa Highway 141, both westbound and eastbound, in order to provide three lanes of traffic in each direction from I-80/I-35 to the IA 44 interchange. The third lane will be constructed on the outside of the existing two lanes. This will necessitate new right turn lanes, both westbound and eastbound at several existing intersections, modifications to existing traffic signals and possible right of way. The estimated cost for this project is \$6,139,300.

## PROJECT DATA

ROUTE: IA 141 from just north of the junction with I-80/I-35 to the IA 44 interchange.

IA 141 in this area is on the NATIONAL HIGHWAY SYSTEM (NHS)

LENGTH: 2 miles (approx. MP 152.5 to MP 154.5)

PLANNING CLASSIFICATION: Commercial and Industrial

MAINTENANCE SERVICE LEVEL: B

TRAFFIC: 2016 --- 33,400 ADT with 6% trucks

2036 --- 47,900 ADT with 8% trucks

PRESENT PAVEMENT SURFACE: HMA PRESENT PAVEMENT WIDTH: 24 ft.

PRESENT SHOULDER WIDTH: 10 ft. outside, 6 ft. inside TYPE: Granular

MP to MP	Dir.	Type	Avg. Str. No.	80% Str. No.	Jt. Str. No.	PCI	IRI	K Value
146.67 to 155.17	1	HMA				73	1.41	
146.67 to 155.17	2	HMA				70	1.45	