

JONES COUNTY ENGINEER'S OFFICE

Iowa Transportation Commission Public Input Meeting

**City of Anamosa Residential and Commercial
Development and Connectivity Plan**

OCTOBER 2020

JONES COUNTY ENGINEER'S OFFICE

19501 HWY 64, PO BOX 368, ANAMOSA, IA 52205

PHONE NO.: (319) 462-3785

EMAIL: ENGINEER@CO.JONES.IA.US

1.0 INTRODUCTION

Jones County and the City of Anamosa respectively requests consideration for the Iowa Department of Transportation to add a curve re-alignment project on south bound US Highway 151 at the intersection of Old Dubuque Road in Anamosa to their five year construction program.

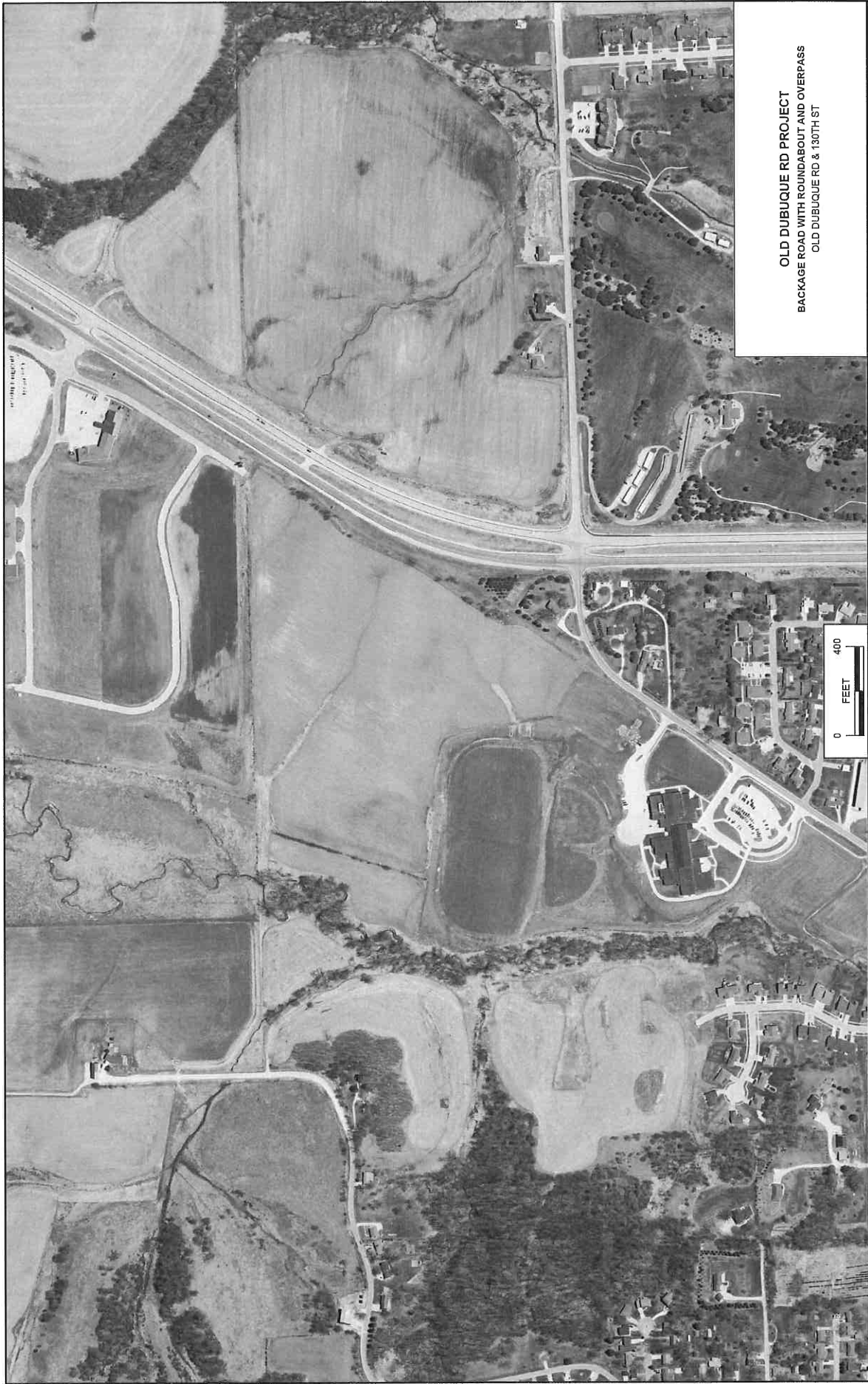
The portion of US HWY 151 requesting to be reconstructed was built in the early 1960's. It is a spiral curve designed for 60 mph and two-way traffic. The existing curve was modified in the early 2000's by adding a turning lane and a new divided highway was constructed adjacent to the existing roadway. Due to the reconfiguration of the traveling lanes and new turning lanes, longitudinal joints now do not coincide with pavement markings. The existing pavement is cracked and deteriorated with rutting.

US HWY 151 at this location currently carries nearly 12,000 vehicles daily (IaDOT 2017) and Old Dubuque Road has a daily traffic count of 2100 vpd.

2.0 SAFETY

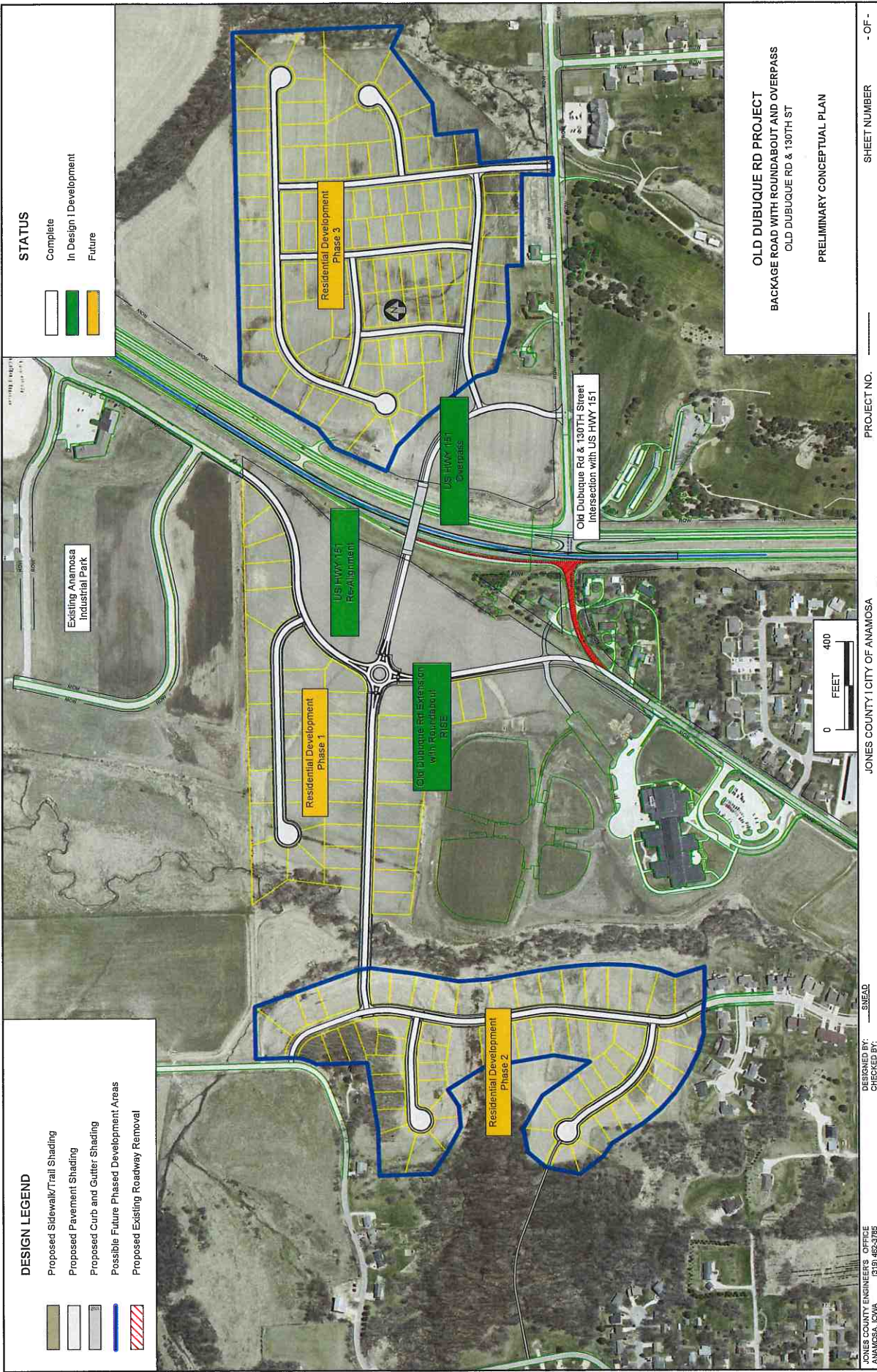
The IaDOT's Office of Traffic and Safety previously created an annual list of the top 200 Intersection Safety Improvement Candidate Locations (SICL) in Iowa. To develop the list, all crashes in Iowa are used to determine an initial cut of intersections that meet the criteria of at least one crash. Steps involved in the Iowa SICL development process include identifying all locations (intersections) in the state that have, for a designated five-year timespan at least one crash. There are roughly 45,000 such intersections that meet this criteria (out of roughly 170,000 intersections statewide). The intersections identified are then listed according to the number of crashes, the severity of the crashes, and the rate at which crashes occur.

After reviewing the most recent SICL list (2013-2017) with a list from over a decade ago (2007-2011), it was noticed that only a handful of locations appeared in the top 30 of each list. Only five intersections from the top 30 are listed in each of the data sets. Of those five, two are in Des Moines at busy intersection with stop lights. Two others have been reconstructed with safety enhancements and the only intersection left is the intersection at US HWY 151 and Old Dubuque Road.

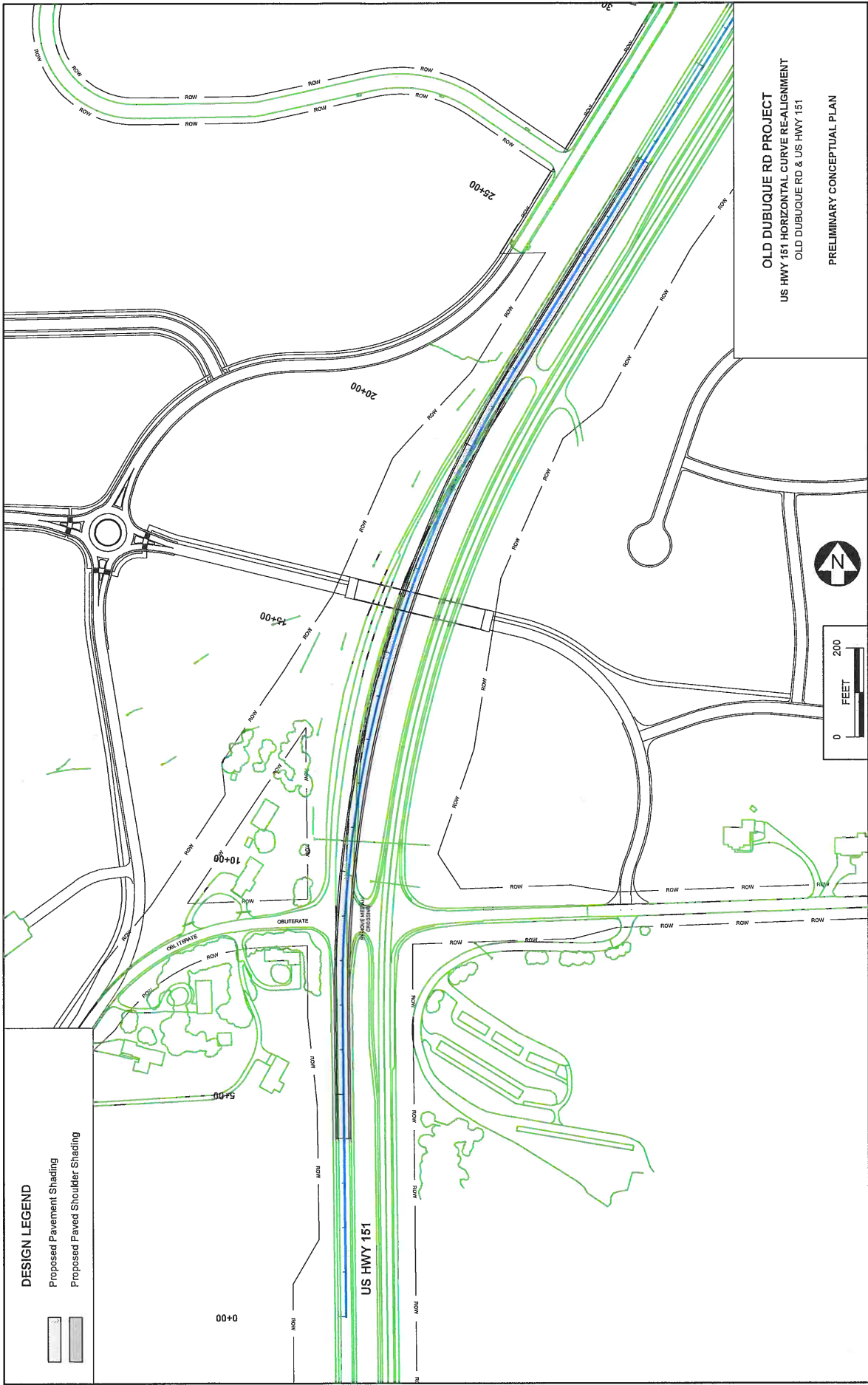


OLD DUBUQUE RD PROJECT
BACKAGE ROAD WITH ROUNDABOUT AND OVERPASS
OLD DUBUQUE RD & 130TH ST







JONES COUNTY ENGINEERS, OFFICE
ANAMOSA, IOWA (319) 462-3785
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DESIGN LEGEND

-  Proposed Pavement Shading
-  Proposed Paved Shoulder Shading

OLD DUBUQUE RD PROJECT
US HWY 151 HORIZONTAL CURVE REALIGNMENT
 OLD DUBUQUE RD & US HWY 151
 PRELIMINARY CONCEPTUAL PLAN

JONES COUNTY ENGINEERS OFFICE
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JONES COUNTY CITY OF ANAMOSA

PROJECT NO.

SHEET NUMBER


- OF -

3.0 ECONOMIC COMPETITIVENESS & PARTNERSHIP

Currently, Jones County and the City of Anamosa have taken the first step in making this busy intersection safer by eliminating the existing at grade intersection. The Anamosa City council has also hired Snyder & Associates to design and develop a project to increase the safety and connectivity through this corridor. Old Dubuque Road will be extended to the north to the Anamosa Industrial park via a roundabout. This will help spur business interest in the Industrial Park while still safely calming daily traffic of locals traveling to downtown Anamosa businesses and the school system which is located directly to the south of the proposed project. A RISE application was submitted for this project in September with construction to begin in 2022. An overpass will then be constructed over US HWY 151 to allow residents on the east side of Anamosa a safe and efficient means to get into town west of the highway.

Thank you for your consideration on this important Jones County Project.

Respectfully submitted,

Signature 

Name Derek Snead, P.E.

Title: Jones County Engineer

Date: 9/22/2020

PROJECT TIME SCHEDULE

The schedule proposed for the project is as follows:

Task	Timeline
Survey I Preliminary Concept Design	Spring 2020
RISE Funding Application Submission	September 2020
IaDOT Commission Public Input Meeting	October 2020
Project Development	Winter 2020
Final Design I ROW Acquisition	Spring 2021
Grading Project Letting	Fall 2021
Grading Construction	Spring 2022
Paving I Bridge Project Letting	Fall 2022
Paving I Bridge Project Construction	Spring 2023
Project Completion	Fall 2023

PROJECT NAME: US HWY 151 HORIZONTAL CURVE RE-ALIGNMENT
PROJECT NO: -----

RUN DATE: 7/22/2020

OPINION OF PROBABLE PROJECT COSTS

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL EST COST
1	OBLITERATE OLD ROADBED	STA	5.00	\$ 1,000.00	\$ 5,000.00
2	GRANULAR SHOULDERS	TON	500.00	\$ 20.00	\$ 10,000.00
3	PAVED SHOULDER, HMA	SY	2100.0	\$ 45.00	\$ 95,000.00
4	PCC PAVEMENT	SY	6800.0	\$ 56.00	\$ 381,000.00
5	REMOVAL OF PAVEMENT	SY	9300.0	\$ 11.00	\$ 103,000.00
6	TRAFFIC CONTROL (5%)	LS	1.00	\$ 30,000.00	\$ 30,000.00
7	MOBILIZATION	LS	1.00	\$ 56,000.00	\$ 56,000.00

SUBTOTAL: \$ 680,000.00
25% CONTINGENCY: \$ 170,000.00
TOTAL COST OPINION: \$ 850,000.00

October 5, 2020

Jones County Board of Supervisors
500 W Main St. #113
Anamosa, IA 52205

City of Anamosa City Council
Anamosa City Hall
107 S Ford St.
Anamosa, IA 52205

Re: Proposed Safety Improvements near U.S. 151 and Old Dubuque Road in Jones County

To Whom it May Concern:

I would like to confirm my support of the proposed safety improvements near U.S. 151 and Old Dubuque Rd in Jones County. The closure of the Old Dubuque Road intersection and conversion to an overhead crossing would result in the elimination of the conflicting traffic movements between the higher speed U.S. 151 traffic and traffic entering/exiting Old Dubuque Rd. The realignment of the U.S. 151 curve in the location will also improve traffic safety, particularly by helping lower the potential for run-off-the road crashes. The realignment will also allow for lower costs and better geometry for the proposed overhead crossing.

Sincerely,



James. R. Schnoebelen, P. E.
District 6 Engineer