

**TO OFFICE:** District 3

**DATE:** September 25, 2020

**ATTENTION:** Tony Lazarowicz, DE

**COUNTY:** Woodbury

**PROJ. NO.:** NHSN-012-1(41)--2R-97  
(ROW) NHSN-012-1(42)--2R-97

**FROM:** Jason Klemme, Staff Engineer

**PIN:** 20-97-012-010

**FOLDER:** [9701201020](#)

**OFFICE:** District 3

**SUBJECT:** FY 2022 3R Project Concept - **FINAL**

**PROJECT LOCATION:**

Woodbury County – IA 12/Riverside Boulevard at the intersection of W.19<sup>th</sup> Street/Paul Ave (MP 9.56)



**PROJECT DATA:**

ROUTE: IA 12

LENGTH: 400 Feet

PLANNING CLASSIFICATION: 4 – Access Routes

MAINTENANCE SERVICE LEVEL: B

NHS ROUTE: Yes

TRAFFIC: Year 2018

7,900 ADT with 4.6% Trucks

**PURPOSE AND NEED:**

Provide a NB right turn at the intersection of IA12 & W. 19<sup>th</sup> Street in Sioux City. The Fall of 2020, IA12 will be converted from a 4-lane, undivided roadway to a 3-lane roadway section. A BNSF rail line runs parallel to IA12, approx.. 200 Ft offset to the east. NB right turning traffic has the potential to queue onto IA12 when a train is crossing W. 19<sup>th</sup> St.

**Existing Conditions:**

IA12 consists of a composite pavement section of 8" PCC built in 1951. The current project NHSX-012-1(35)—3H-97 will mill off the existing HMA and place a 3.5 HMA overlay. Existing sidewalk w/ramps in the SE corner of the intersection will be replaced with the project.

**City Coordination:**

The City of Sioux City has an existing storm sewer trunk line and intake in the SE quadrant of the intersection. District will coordinate impacts with the City. The City has a traffic signal pole & cabinet that will need to be relocated. Traffic & Safety Bureau will complete the signal design.

**Utilities:**

Review of all utilities will be needed. MidAmerican Energy has overhead power with approx.. 3 poles that will need to be relocated.

**ROW:**

Permanent easement will be needed for the right turn lane. The commercial property in the SE quadrant has 2 business signs that will be impacted by the project.

**FEASIBLE ALTERNATIVE/RECOMMENDATION:**

10" PCC Turn Lane - \$200,000

**FUNDS PROGRAMMED:**

District 3 will recommend the project be included in the 5-year program for FY 2022 with a development estimate of \$200,000 and \$3,000 for ROW.

**PROJECT IMPACTS:**

Designed by: District 3

Design Impact	Assistance Requested (Y/N)	Remarks
ADA:	N	SW quadrant
Agreements/Notification Letters:	Y	City of Sioux City (A)
Bridges and Structures:	N	
Consultant:	N	
Contracts:	Y	Letting

Design/Methods:	N	
Location and Environment:	Y	Review
Maintenance: (Shop Location)	Y	Review
Project Management:	Y	Consultant – City traffic signal
Railroad:	N	
RCE: (Sioux City)	Y	Review
Right of Way:	Y	Permanent Easement
Soils:	N	
Survey/Photogrammetry:	N	Completed
Systems Planning:	N	
Traffic and Safety:	Y	Signal Design
Utilities:	Y	Relocation

**Development Schedule:**

D00 - Pre-Design Concept	09/25/2020
D02 - Design Field Exam	12/18/2020
D05 – Plans to Right of Way	01/15/2021
P10 – Public Involvement Activities	03/19/2021
D08 - Final Pave Plans	12/07/2021
L02 - Letting-Paving and Incidentals	02/15/2022

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