



# **Hall County Regional Planning Commission**

**Wednesday, May 3, 2017  
Regular Meeting**

## **Item 1**

### **Northwest Bridge Replacement Project**

**Staff Contact: Chad Nabity**



## HALL COUNTY HIGHWAY DEPARTMENT

2900 WEST 2<sup>nd</sup> ST, GRAND ISLAND, NE 68803-5263

[www.hallcountyne.gov](http://www.hallcountyne.gov)

PHONE: (308) 385-5126 FAX: (308) 381-6486

CASEY C SHERLOCK, R.L.S.

County Surveyor / Public Works Director

[caseys@hallcountyne.gov](mailto:caseys@hallcountyne.gov)

April 17, 2017

Name

Address

City, State, Zip

RE: **Grand Island Northwest Bridge Replacement Project**

Project Number **BRO-7040(25)**; Control Number **42322**

To Whom it May Concern:

Enclosed is information regarding the proposed transportation improvement project on North Monitor Road called **Grand Island Northwest**.

Hall County is planning the replacement of a bridge approximately 3.6 miles northwest of the intersection of U.S. Highway 281 (US-281) and Nebraska Highway 2 (N-2) in Grand Island, Nebraska. The proposed project would require detouring North Monitor Road traffic for the duration of construction. A designated detour would be provided utilizing White Cloud Road, North 60<sup>th</sup> Road, Abbott Road, and North Engleman Road. The proposed project would require the acquisition of additional property rights including new right-of-way (ROW) for construction throughout the project area. Access to adjacent properties would be maintained during construction, but may be limited at times due to phasing requirements. Wetland and stream impacts are anticipated; however, no mitigation would be required. Construction is tentatively scheduled to begin the fall of 2018 and could be complete by the spring of 2019.

The public is being encouraged to make suggestions or express concerns regarding this proposed project. A comment sheet is included for your use. Comments will be collected through May 17, 2017. A fact sheet and figures describing the proposed project's details are also included with this letter. Written comments should be submitted to: Steve Riehle, Hall County Engineer, Highway Department, 2900 W 2<sup>nd</sup> St., Grand Island, NE, 68803; email [steve@hallcountyne.gov](mailto:steve@hallcountyne.gov), phone number (308)385-5126.

Hall County understands a bridge replacement project may cause temporary inconvenience and hardship, but we are dedicated to improving Hall County's bridges. With your help we can achieve this goal.

Sincerely,

A handwritten signature in black ink that reads "Steve Riehle".

Steve Riehle

Hall County Engineer

**Grand Island Northwest  
Bridge Replacement Project**  
Project Number **BRO-7040(25)**; Control Number **42322**

**LOCATION:** This proposed project is on North Monitor Road, approximately 3.6 miles northwest of the intersection of U.S. Highway 281 (US-281) and Nebraska Highway 2 (N-2) in Grand Island, Hall County, Nebraska (see **Figure 1**). The proposed project begins at the intersection of West White Cloud Road and North Monitor Road and extends approximately 600 feet to the south (see **Figure 2**).

**PURPOSE AND NEED:** The purpose of this proposed project is to preserve the transportation asset, improve the reliability of the transportation system, and perpetuate the mobility of the traveling public.

The need for the bridge replacement is because the bridge is structurally deficient due to extensive deterioration of the bridge components, including the substructure. Conditions include, but are not limited to, corrosion, weak spots in the steel trusses, and loss of bridge components over time. The bridge, built in 1935, is more than 75 years old and is at the end of its design life. A weight load restriction of 9 tons has been placed on the bridge due to its deteriorated condition and prevents farm equipment from crossing Prairie Creek via the bridge. Additionally, the bridge provides market access for local residents to Grand Island, Nebraska.

**SCOPE OF WORK:** The proposed project would remove and replace the existing Hall County Bridge (Structure Number C004013115) with a new bridge. Additional improvements include riprap, guardrail installation on all four corners of the new bridge, and widening the roadway. A temporary crossing may be needed during construction and erosion control measures would be implemented. The completed gravel roadway would have two 10-foot lanes with 4-foot of earth shoulders on each side for a total roadway width of 28 feet.

**TRAFFIC VOLUMES:**

**North Monitor Road**

Year	2017	2037
Vehicles Per Day (ADT)	<b>58</b>	<b>105</b>
% Heavy Trucks	<b>3%</b>	<b>3%</b>

**CONSTRUCTION SCHEDULE:** Construction is tentatively scheduled to begin the fall of 2018 and could be complete by the spring of 2019.

**ACCOMMODATION OF TRAFFIC:** The proposed project would require detouring North Monitor Road traffic for the duration of construction. A designated detour would be provided utilizing White Cloud Road, North 60<sup>th</sup> Road, Abbott Road, and North Engleman Road (see **Figure 3**).

**RIGHT-OF-WAY:** The proposed project would require the acquisition of additional property rights including new right-of-way (ROW) for construction throughout the project area. Access to adjacent properties would be maintained during construction, but may be limited at times due to phasing requirements.

**POTENTIAL IMPACTS:** Wetland and stream impacts are anticipated; however, no mitigation would be required.

**ESTIMATED COST:** The cost of the proposed project is approximately \$856,000 and would derive from federal and county funding sources.



Project Number **BRO-7040(25)**; Control Number **42322**

*Return to:* Steve Riehle email: [stever@hallcountyne.gov](mailto:stever@hallcountyne.gov)  
Hall County Engineer  
Highway Department Phone: 308.385.5126  
2900 W 2<sup>nd</sup> Street  
Grand Island, NE 68803 website: [www.hcgi.org](http://www.hcgi.org)

Name: \_\_\_\_\_

P.O. Box: \_\_\_\_\_

Address: \_\_\_\_\_

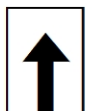
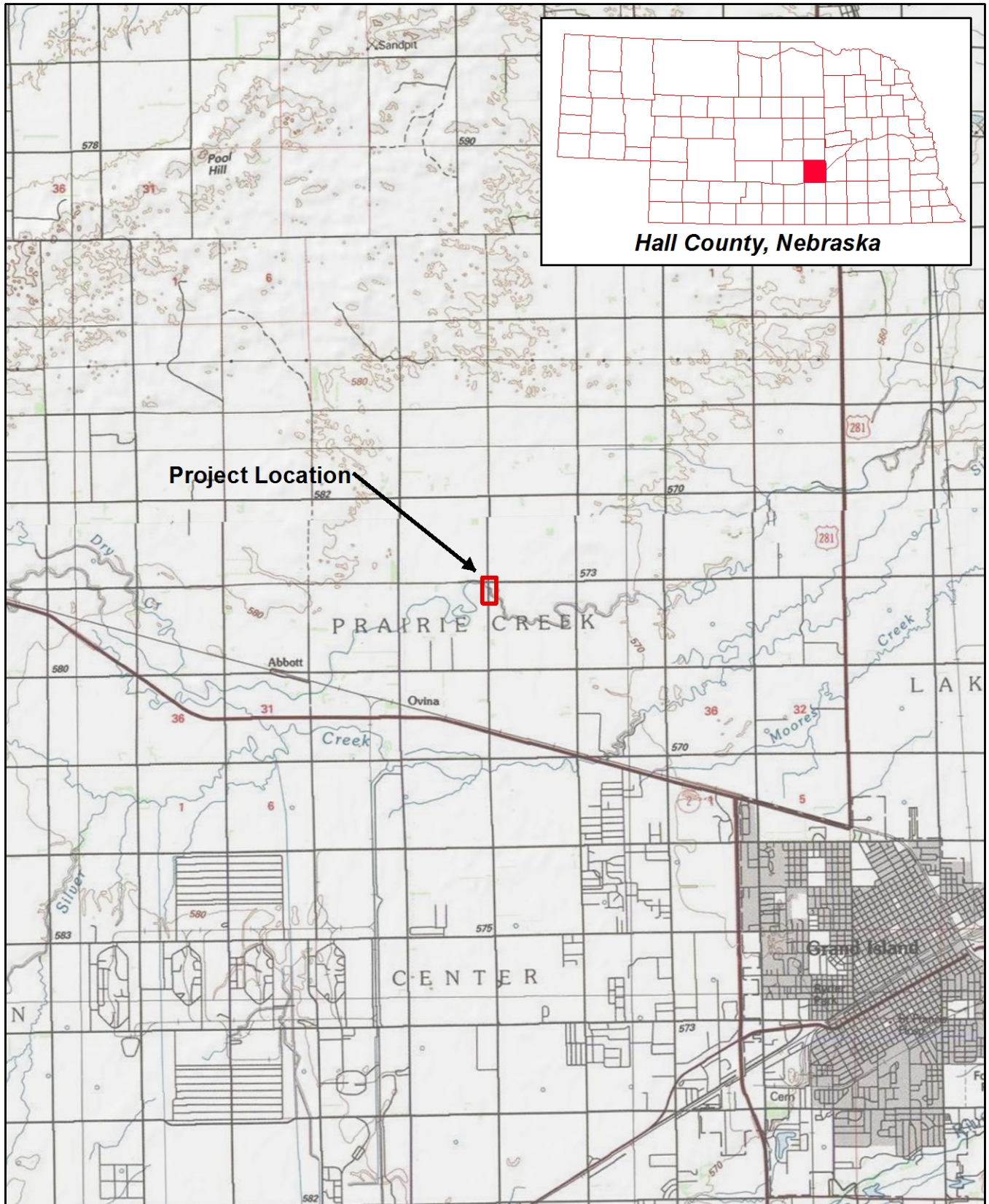
City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

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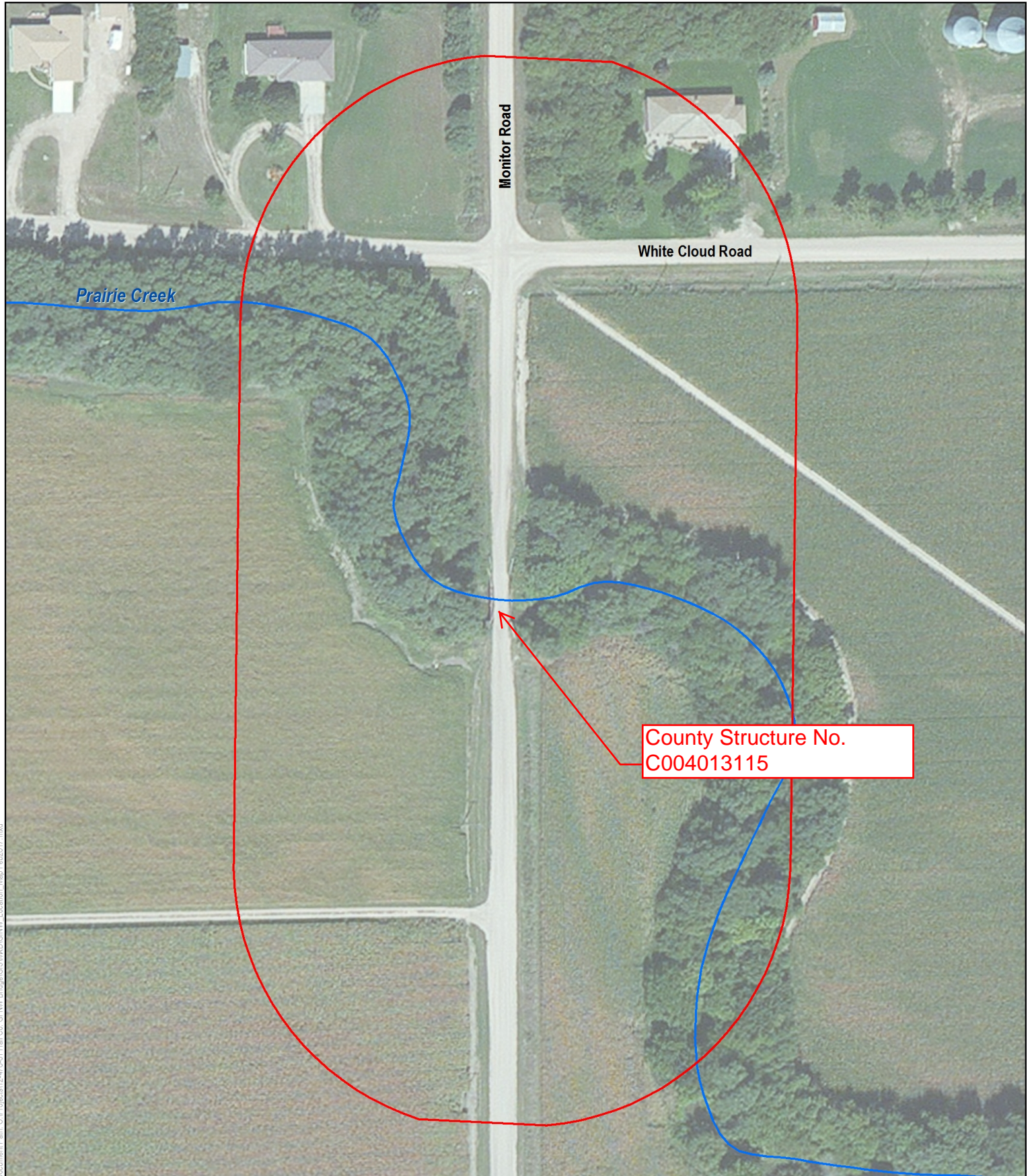
North

0 0.75 1.5  
Miles

Source: USGS 1:180,000 scale metric Topographic Map  
2-degrees x 1-degree Map (ESRI, 2007)  
Broken Bow Nebraska 1971, Grand Island Nebraska 1966

**Figure 1  
Vicinity Map  
Grand Island Northwest  
Hall County, Nebraska**





County Structure No.  
C004013115

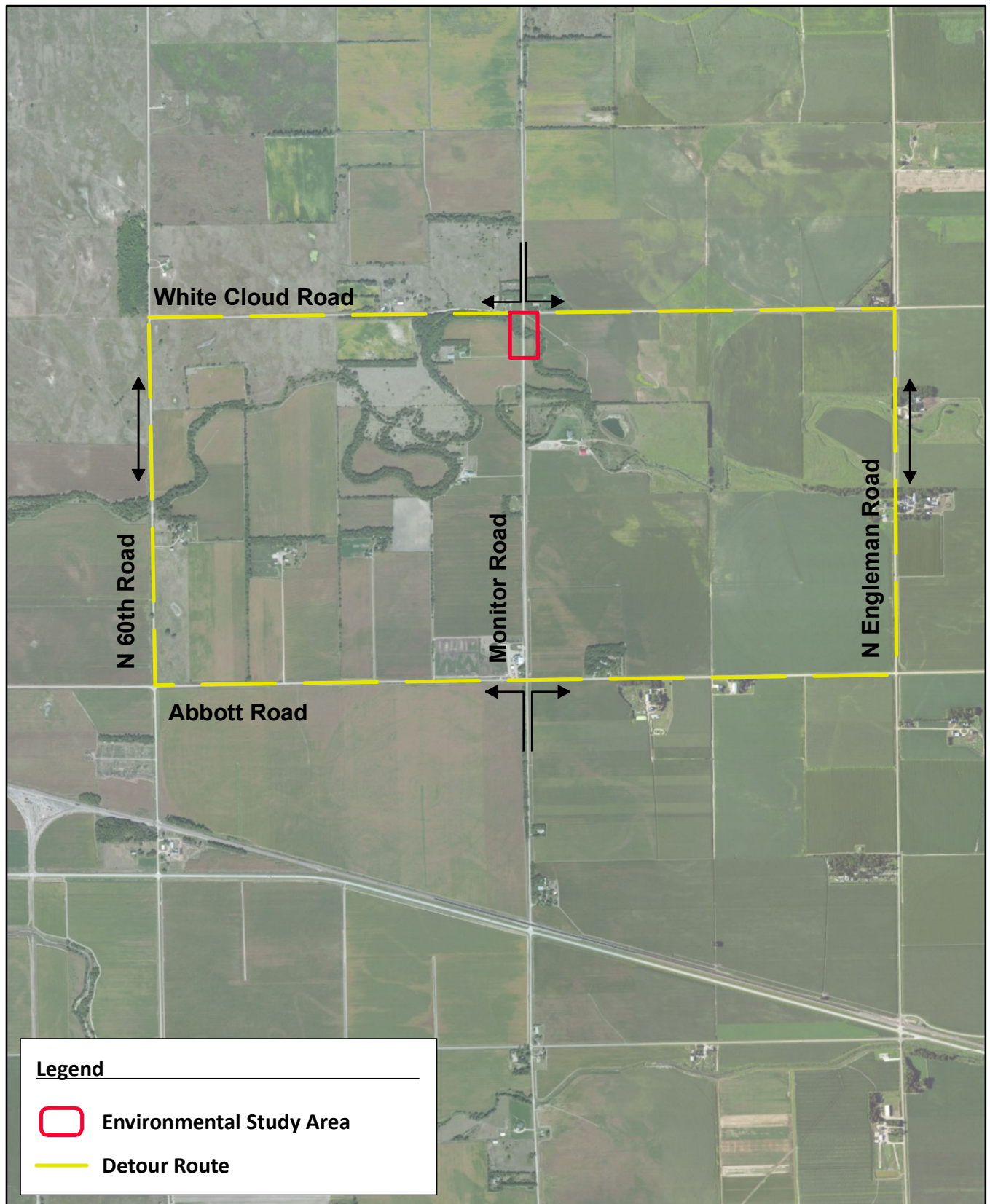
 Stream  
 Environmental Study Area



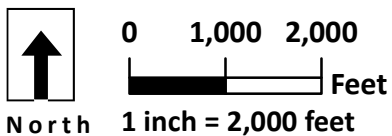
Figure 2  
**Location Map**  
Grand Island Northwest  
Hall County, Nebraska

Aerial Source: ESRI Aerial Imagery Service, 2016





**Figure 3**



**Detour Map**  
**Grand Island Northwest**  
**Hall County, Nebraska**