

**ATTACHMENT 1 – SECTION 106 CONSULTATION DOCUMENTATION**



U.S. Department  
of Transportation

**Federal Railroad  
Administration**

1200 New Jersey Avenue, SE  
Washington, DC 20590

January 28, 2022

Ted M. Spencer  
State Historic Preservation Officer  
South Dakota State Historic Preservation Office  
900 Governors Drive  
Pierre, SD 57501

**Re: Ellis and Eastern Sioux Falls Area Bridges  
Minnehaha County, South Dakota  
Initiation of Section 106 Consultation and Determination of No Adverse Effect**

Dear Ted M. Spencer:

The Federal Railroad Administration (FRA) has selected the South Dakota Department of Transportation (SDDOT) to receive grant funding through a Special Transportation Circumstances Grant (STC) FY2019 to repair and rehabilitate three railroad bridges over the Big Sioux River in Minnehaha County, South Dakota. The project is being done in association with the Ellis & Eastern Company. Pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations (36 Code of Federal Regulations [CFR] Part 800) "Protection of Historic Properties" (Section 106), this letter is being transmitted to initiate the Section 106 consultation process for the undertaking and to seek concurrence from your office.

### **Current Undertaking**

In order for Ellis & Eastern to maintain safe operation over their track, repair/rehabilitation is needed on three bridges. Two of the bridges require updates to maintain current volumes of rail traffic, while a third bridge needs to be strengthened to support modern railroad cars. The scope of the undertaking involves the following:

- For Bridge P-106: The bridge repair includes improving the wooden elements on the east and west approach spans, repairing deteriorating piles and caps, and replacing string chords with four-ply chords.
- For Bridge P-125: Repairs will replace the current timber pile approaches (both east and west) with steel H-pile and pre-cast concrete tubs.
- For Bridge P-131: Repairs will replace the current timber pile approaches with steel H-pile and pre-cast concrete tubs.

All work for the proposed undertaking will take place within existing railroad right-of-way.

### **Area of Potential Effects**

As defined in National Historic Preservation Act (NHPA) § 800.16(d), the Area of Potential Effects (APE) means “the geographic area or areas within which an undertaking may directly or indirectly cause alteration in the character of use of historic properties, if such properties exist. The area of potential effects is influenced by the scale and nature of the undertaking and may be different for different kinds of effects caused by the undertaking.”

In determining the area of potential effects (APE) for the undertaking, the FRA considered possible visual, audible, atmospheric and/or physical impacts to historic properties, including changes to significant views and vistas that may occur as part of the undertaking. The undertaking will not introduce new elements that are out of character with the current conditions of the surrounding landscape.

The APE for the undertaking comprises three discontinuous areas consistent with the location of Bridges P-106, P-125, and P-141. The APE is approximately 1.4 acres and is depicted on the attached USGS Topographic Maps for Sioux Falls West and Sioux Falls East enclosed as Attachment 1.

### **Identification of Historic Properties**

Potentially significant architectural and archaeological resources within the APE were researched as part of the historic investigation conducted as part of the undertaking. FRA has taken into consideration the magnitude and nature of the undertaking as well as the nature and extent of potential effects on historic properties in accordance with 36 CFR 800.4(b)(1). There are five historic properties within the APE. There are three historic standing structures: Bridge P-106 (SHPO ID MH00000904), Bridge P-125 (MH00001718) and Bridge P-131 (MH00001562); and two historic archaeological sites: 39MH2003 and 39MH2014.

Bridge P-106 (SHPO ID MH00000904) is a significant steel lattice through truss bridge determined eligible for inclusion in the National Register of Historic Places (NRHP) under Criteria A and C on August 19, 1995. It was erected in 1887 by the Lassiq Bridge and Iron Works of Chicago and is situated approximately ½ mile northeast of West Holley Boulevard and North Sioux Boulevard in Brandon. According to the South Dakota Bridge Survey (1990), this may be the oldest extant bridge in the state. The historic sites survey form notes the bridge piers have been replaced with poured concrete. Similarly portions of the wood trestle approaches have been replaced.

Bridge P-125 (MH00001718) is a steel lattice through truss bridge with timber trestle approaches. Bridge P-125 was determined eligible for inclusion in the NRHP under Criterion A, C, and D on May 12, 2009. The historic sites survey form notes Bridge P-125 is similar in construction to Bridges P-106 and P-131. The bridge is situated adjacent to the 11th Street bridge spanning the Big Sioux River in Sioux Falls.

Bridge P-131 (MH00001562), also known as the Elwood Park Bridge and the Railroad Bridge at 14<sup>th</sup> Street, was determined eligible for inclusion in the NRHP under Criteria A and C March 6, 2002. The structure is a combination timber trestle and steel lattice through truss style railroad bridge situated immediately southwest of the Sioux Empire Fairgrounds in Sioux Falls.

One segment of site 39MH2003, the former Chicago and North Western Transportation Company (C&NW RR) intersects the location of Bridge P-106. Individual segments of 39MH2014, the former Chicago, St. Paul, Minneapolis and Omaha Railway (CSt. PM&O RR) intersect the locations of Bridge P-125 and P-131. In all instances, the railways segments are extant and operational. Railway components and track materials are present; however, the use of replacement materials is also evident at these locations.

Ellis & Eastern Company prepared *A Level III Cultural Resources Survey of Ellis & Eastern Railroad Bridge Nos. P106, P125, and P131* report for the undertaking. The report, enclosed as Attachment 2, identifies the historic properties within the APE and recommends that the project would result in an adverse effect to historic properties. FRA disagrees with this recommendation on the grounds that the report does not adequately identify or consider elements that contribute to the significance of the historic bridges.

### **Assessment of Effects**

FRA has reviewed the cultural resources report and presents an assessment of the effects of the undertaking on each of the properties below.

#### Bridge P-106

Bridge P-106 is an historic steel lattice through truss bridge with timber trestle approaches. The bridge has been altered from its original construction by replacing the original ashlar masonry piers that support the steel truss span with concrete structures. The timber in the trestles that support the approach spans to Bridge P-106 have likewise been replaced as part of previous efforts to maintain the structure. In *South Dakota's Railroads: An Historic Context*, Mark Hufstetler and Michael Bedeau note that timber trestles are the most common railroad bridge type in South Dakota and represent one of numbers examples of this type of structure.<sup>1</sup> Importantly, Hufstetler and Bedeau note that integrity of design, materials, and workmanship is difficult to judge for railways.

...since active lines are maintained annually, and occasionally receive full reconstruction...a railroad line's original materials need not survive, although current materials should be visually comparable to the material used during historic times. (The introduction of replacement, small-scale components made of modern materials...will slightly lessen integrity of materials, but not disqualify a feature from eligibility.) Hufstetler and Bedeau, 59.

The scope of work for the undertaking involves improving the wooden elements on the east and west approach spans of Bridge P-106 consisting of repairing deteriorating piles and caps and replacing string chords with four-ply chords. These alterations to Bridge P-106 to the timber trestle approach will be compatible with previous improvements and will not negatively affect the significance or integrity of the historic structure. As a result, FRA has determined the undertaking would result in **no adverse effect** to Bridge P-106.

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<sup>1</sup> Mark Hufstetler and Michael Bedeau, *South Dakota's Railroads: An Historic Context*. (South Dakota Historical Society, Rev. 2007), 51-52.

### Bridge P-125

Bridge P-125 is an historic, two-span, steel lattice through truss bridge with timber trestle approaches that carries the railroad over the Big Sioux River. The bridge is of similar design to Bridge P-106. As part of prior maintenance, the bridge has been altered from its original construction by replacing the timber in the trestles that support the approach spans. A steel and cable handrail has also been added to the west approach.

The scope of work for the undertaking involves replacing the timber pile approaches (both east and west) with steel H-pile and precast-concrete railroad ties. As noted above, timber trestles are a common railroad bridge type in South Dakota. The steel lattice truss spans will remain intact. Though the timber in the approach spans will be replaced with modern materials, they do not contribute to the significance of Bridge P-125. The introduction of modern materials will lessen the integrity of the materials, setting and feeling of the approaching railroad, but the alterations do not affect the integrity of association, design, location, and workmanship nor the elements that contribute to the significance of Bridge P-125 – the steel lattice through trusses and masonry piers. As a result, FRA has determined the undertaking would result in **no adverse effect** to Bridge P-125.

### Bridge P-131

Bridge P-131 is an historic steel lattice through truss bridge with timber trestle approaches. The bridge is of similar design to Bridge P-106. As part of prior maintenance, the bridge has been altered from its original construction by replacing the timber in the trestles that support the approach spans.

The scope of work for the undertaking involves replacing the timber pile approaches with steel H-pile and precast-concrete railroad ties. As noted above, timber trestles are a common railroad bridge type in South Dakota. The steel lattice truss span over Big Sioux River will remain intact. Though the timber in the approach spans will be replaced with modern materials, they do not contribute to the significance of Bridge P-131. The introduction of modern materials will lessen the integrity of the materials, setting and feeling of the approaching railroad, but the alterations do not affect the integrity of association, design, location, and workmanship nor the elements that contribute to the significance of Bridge P-131 – the steel lattice through trusses and masonry piers. As a result, FRA has determined the undertaking would result in **no adverse effect** to Bridge P-131.

### Sites 39MH2003 and 39MH2014

One segment of site 39MH2003, the former Chicago and North Western Transportation Company (C&NW RR) intersects the location of Bridge P-106. Individual segments of 39MH2014, the former Chicago, St. Paul, Minneapolis and Omaha Railway (CSt. PM&O RR) intersect the locations of Bridge P-125 and P-131. These sites comprise extant railroad components and track materials that have been previously maintained with replacement materials.

The scope of the current undertaking involves the similar use of replacement materials. Railway components and track materials are present; however, the use of replacement materials is also evident at these locations. As previously noted, Hufstetler and Bedeau indicate the introduction

of replacement, small-scale components made of modern materials negatively impact the integrity of materials but do not disqualify a feature from eligibility.<sup>2</sup> FRA has determined the undertaking would have **no adverse effect** on Sites 39MH2003 and 39MH2014.

### Archaeology

As described in Attachment 2, based on the soil type, the extensive previous disturbance in the APE, the narrow extent of the APE, and the limited scope of the proposed construction, it is highly unlikely that archaeological resources, will be disturbed by the proposed undertaking. Due to the drastically altered landscape from previous construction episodes, there is little to no potential for undiscovered, intact buried cultural resources in the APE.

### **Request for Concurrence**

Based on the information presented above and in the enclosed attachments, FRA has determined that the undertaking results in **No Adverse Effect**. FRA respectfully requests your concurrence with this determination within thirty days. An e-mailed response is preferred to ensure timely receipt of your communications. If you have any questions or wish to discuss this undertaking, please contact Jon Schmidt, Environmental Protection Specialist, at [jonathan.schmidt@dot.gov](mailto:jonathan.schmidt@dot.gov) or 617-494-3439.

Sincerely,

**AMANDA ELIZABETH  
CIAMPOLILLO**

 Digitally signed by AMANDA  
ELIZABETH CIAMPOLILLO  
Date: 2022.01.28 09:27:39 -05'00'

Amanda E. Ciampolillo  
Supervisory Environmental Protection Specialist  
Federal Railroad Administration

cc: Jonathan Schmidt, Volpe Center

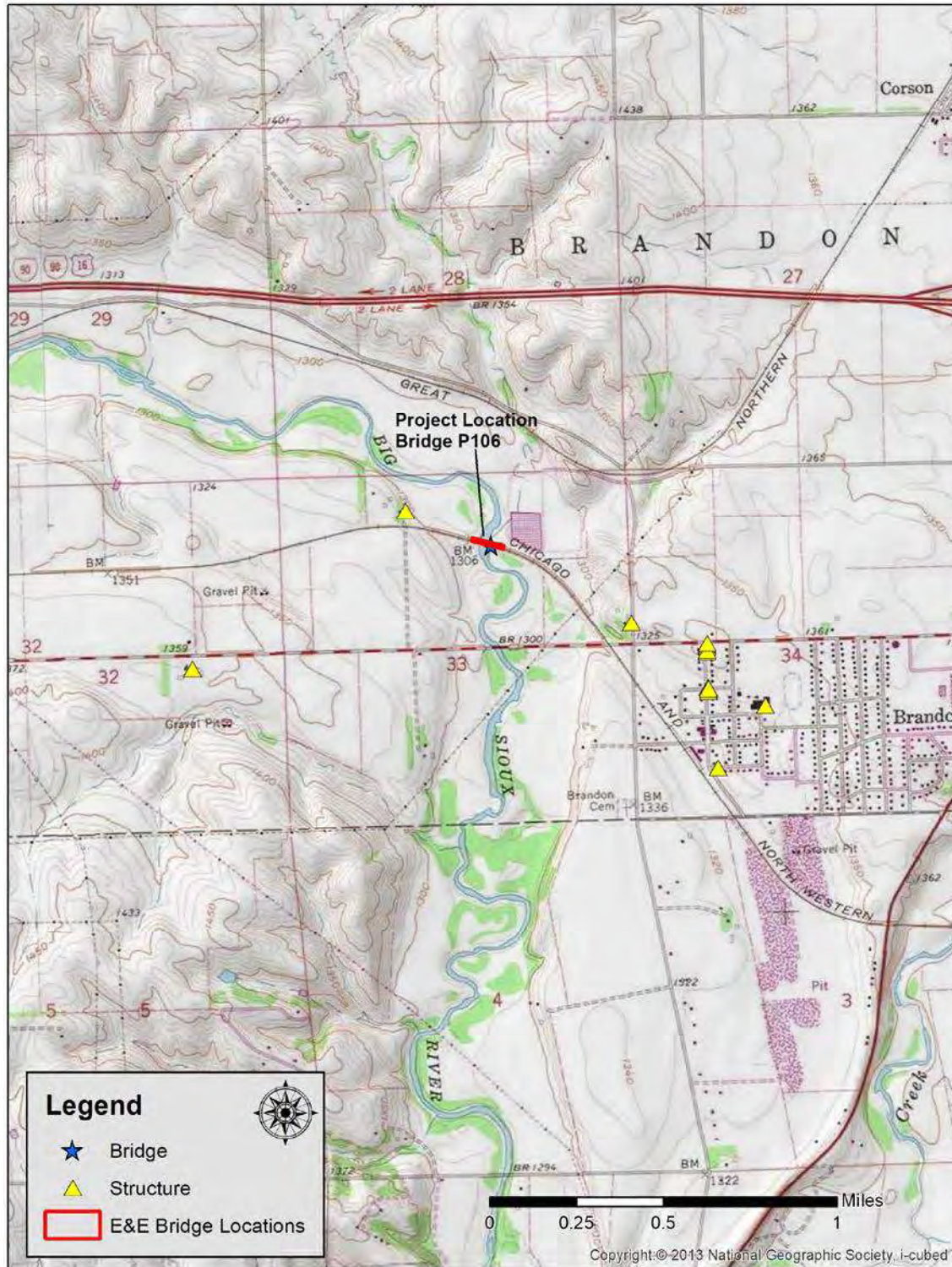
Enclosures:

- Attachment 1: APE Map
- Attachment 2: Cultural Resource Survey Report

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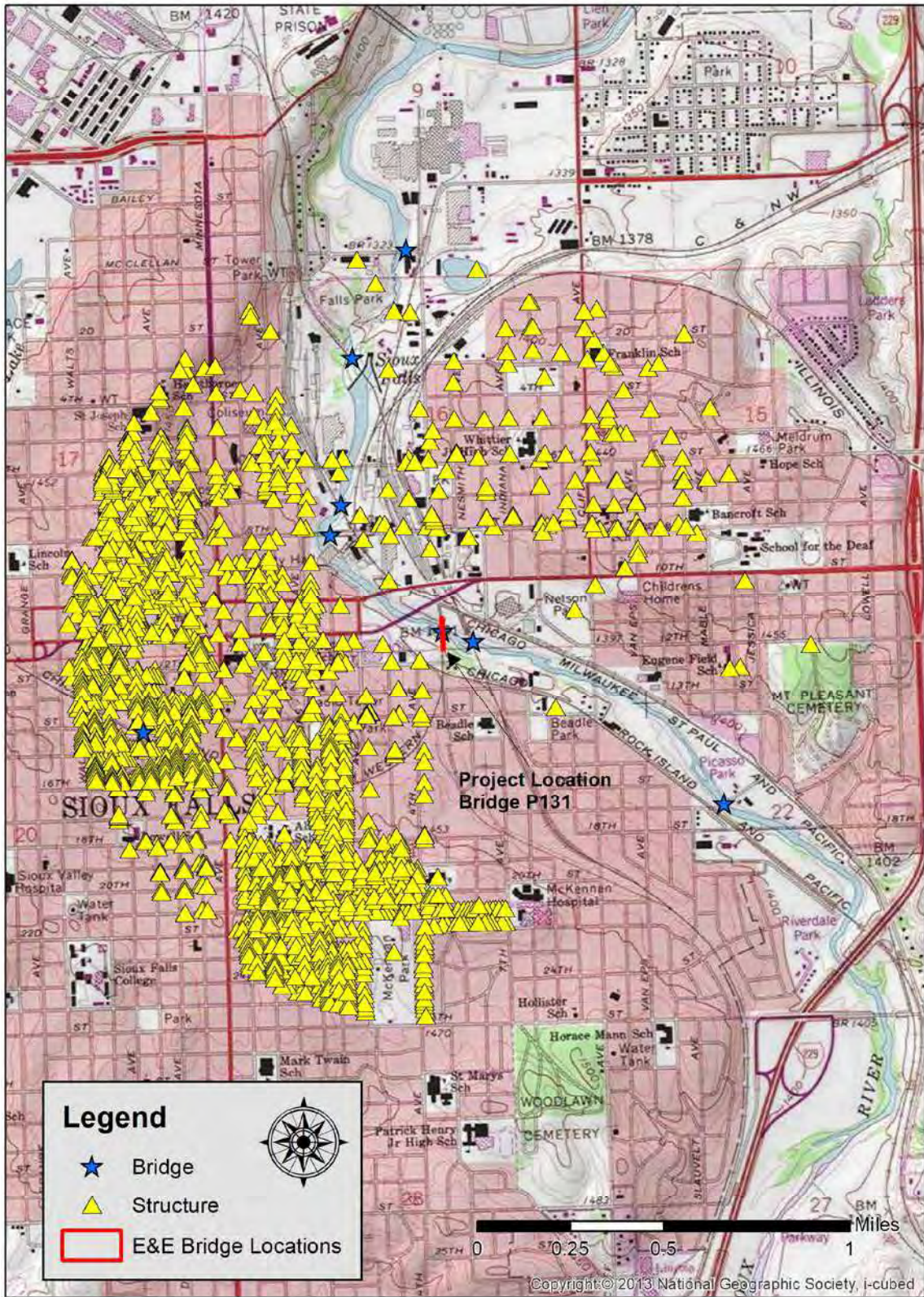
<sup>2</sup> Hufstetler and Bedeau, 59.

Ellis & Eastern  
Sioux Falls Area Bridges  
Attachment 1:  
APE Maps

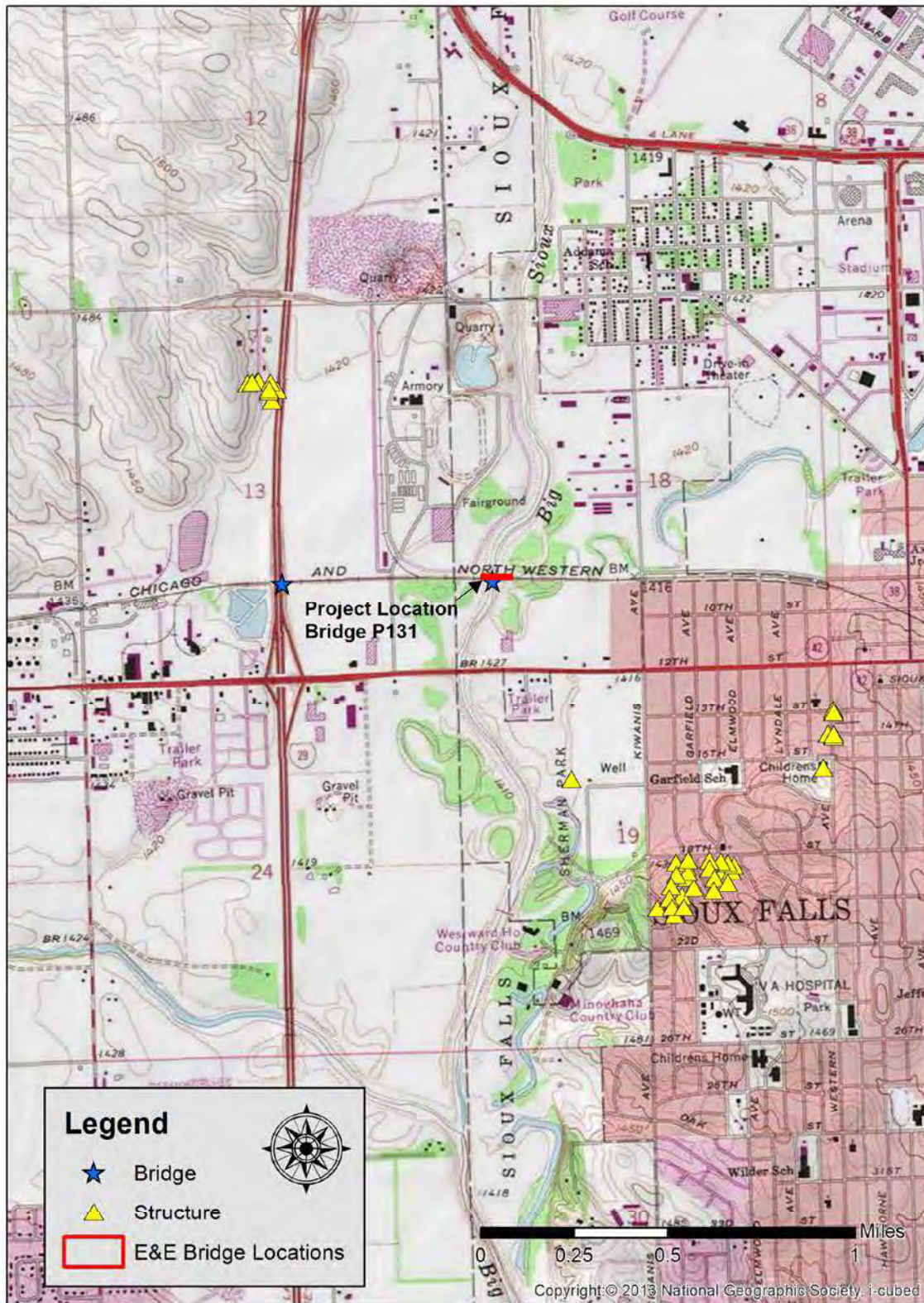


**Figure 2.** Location of Bridge P106 APE in Sec. 33, T102N, R48W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Brandon (1978).





**Figure 4.** Location of Bridge P125 APE in Sec. 16, T101N, R49W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Sioux Falls East (1978). Note: The text on the map erroneously identifies Bridge P125 as Bridge P131.



**Figure 6.** Location of Bridge P131 APE in Sec. 18, T101N, R49W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Sioux Falls West (1978).

**A Level III Cultural Resources Survey of Ellis & Eastern  
Railroad Bridge Nos. P106, P125, and P131,  
Minnehaha County, South Dakota**

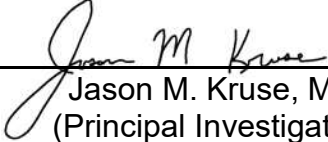
Lower Big Sioux Archaeological Region

SHPO No.:

Prepared by

Jason M. Kruse

August 2020

  
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Jason M. Kruse, MA  
(Principal Investigator)

Archeological Contract Series 312

Archeology Laboratory  
Augustana University  
2032 S. Grange Ave.  
Sioux Falls, SD 57105

Submitted to  
RESPEC  
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## Abstract

*A Level III cultural resources survey was conducted in the Lower Big Sioux Archaeological Region for three bridge locations on the Ellis & Eastern (E&E) Railroad in Minnehaha County, South Dakota. The project involves repairs to Bridge Nos. P106, P125, and P131 (South Dakota State Historic Preservation Office [SHPO] ID Nos. MH00000904, MH00001718, and MH00001562, respectively) that will allow the three bridges to continue operational use. Archeology Laboratory, Augustana University (Augustana) personnel conducted the field survey on August 11, 2020. The total project Area of Potential Effect (APE), which consists of three separate parcels, measures approximately 1.41 acres. A background records check indicated that no previous cultural resource surveys intersect the P106 (MH00000904) locality. The northern portion of the Bridge P125 (MH00001718) locality is intersected by two prior cultural resource surveys. The southcentral and southeastern portions of the Bridge P131 (MH00001562) locality are intersected by one previous cultural resource survey. Bridge Nos. P106 and P131 are listed as eligible for nomination to the National Register of Historic Places (NRHP). The NRHP-eligibility status of Bridge P125 was unevaluated prior to the current investigation. SHPO has now determined that this structure is eligible for NRHP-listing. Additional segments of railroad sites 39MH2003 and 39MH2014 were documented during the current survey. A determination of Adverse Effect is recommended for the proposed undertaking.*

**1. Overview and Project Description:** A Level III cultural resources survey was conducted in the Lower Big Sioux study unit by personnel from the Archeology Laboratory, Augustana University (Augustana), Sioux Falls, South Dakota. Investigations were conducted on August 11, 2020, at the site of three separate railroad bridges in the vicinity of Sioux Falls and Brandon, Minnehaha County, South Dakota. The three project areas include Bridge Nos. P106, P125, and P131 (South Dakota State Historic Preservation Office [SHPO] ID Nos. MH00000904, MH00001718, and MH00001562, respectively) and a 30-foot survey buffer surrounding each location. Together, these localities total

approximately 1.41 acres and comprise the project Area of Potential Effect (APE). Investigations were conducted for RESPEC, Rapid City, South Dakota, on behalf of Sweetman Construction Company (Sweetman), Sioux Falls, South Dakota. Federal oversight responsibility for this undertaking lies with the Federal Railroad Administration (FRA).

Sweetman owns and operates the Ellis & Eastern Railroad (E&E), formerly part of the Chicago & Northwestern (C&NW) and Chicago, St. Paul, Minneapolis, & Omaha (CSt.PM&O) railroads, in and around the Sioux Falls, South Dakota vicinity. Sweetman is requesting a Special Transportation Circumstance (STC) grant to improve the safety and operational efficiency of the three bridges. Bridge Nos. P125 and P131 require repairs to allow for continued safe handling of current traffic volumes. Bridge No. P106 is presently only suitable for light traffic (unloaded cars) and urgently requires improvements sufficient to open the bridge to occasional traffic.

The proposed undertaking involves maintenance and repair of the bridges and their immediate surroundings. The 30-foot buffer around each bridge was incorporated into the APE because repairs may involve riverbank recontouring to distances of between 20 and 30 feet upstream and downstream of each bridge. All three bridges span the Big Sioux River in Minnehaha County, South Dakota. Bridge P106 is located near the northwest edge of the City of Brandon. Bridge P125 is located south of the East 12<sup>th</sup> Street bridge in downtown Sioux Falls, and Bridge P131 is located immediately southeast of the Sioux Empire Fairgrounds. Table 1 identifies the legal locations, elevations, and approximate acreage of each surveyed bridge locality comprising the APE.

**Table 1. Acreage, Locational, and Elevational Data, Bridge Nos. P106, P125, and P131.**

<b>Bridge No.</b>	<b>Acreage</b>	<b>Legal Location</b>	<b>Elevation (amsl)</b>
P106	0.752	NW¼, NE¼ Section 33, T102N, R48W	396.24 m
P125	0.270	SW¼, SE¼ Section 16, T101N, R49W	426.72 m
P131	0.383	SW¼, SW¼ Section 18, T101N, R49W	338.30 m

In addition to the potential ground disturbance associated with streambank recontouring at each locality, the following project repairs are anticipated:

- **Bridge P-106:** The eastern and western approach spans will be strengthened with minimal ground disturbance expected. A few bents require framing-out, which consists of cutting all pilings comprising the bent below the groundline, installing a sill, and building up new posts and a cap up to the superstructure. Additionally, a few pilings will require posting from the groundline up. Beyond this, only minor equipment disturbance is anticipated.
- **Bridge P-125:** The eastern and western approach spans will be replaced completely with steel bents and concrete superstructure spans; the two steel main spans over the Big Sioux River and supporting piers will remain in place. All of the approach span replacement work will take place on the outer banks of the river and not directly within the channel itself. Minor equipment disturbance is also anticipated for this bridge.
- **Bridge P-131:** The eastern approach spans will be replaced completely with steel bents and a concrete superstructure; the steel main span over the Big Sioux River and supporting pier and abutment will remain in place. Superficial ground disturbance from equipment traffic is anticipated.

**2. Environmental Setting:** The project localities comprising the APE are situated in drastically altered floodplain/outwash plains along the Big Sioux River. Vegetation within the project areas varied from manicured residential and recreational areas to rural fallow fields. Soils mapped in the APE are identified as Chaska loam, 0 to 2 percent slopes (Cd) soils (NRCS 2020). Chaska soils

are poorly drained with a water table occurring at only 6-18 inches below the surface. The Chaska soils are highly stratified loams, loamy fine sand, fine sand, and silty clay loam with little to no soil development deposited along river banks and floodplains (NRCS 2020).

Due to extensive previous railroad and flood mitigation construction projects, the entirety of each project locality has been heavily disturbed. The landscape in these areas along the Big Sioux River has been drastically altered by mechanical means, including river channelization, flood berm construction, railroad bed cut-and-fill, railroad drainage ditches, and post-construction grading. The ground surface visibility in the survey areas ranged from 10 to 40 percent. At the time of the survey, the APE was characterized by a wide range of vegetation and ground cover. Approximately 10-15 percent visibility was afforded in rural fallow fields around Bridge P106. Visibility varied between 10 and 40 percent in the largely manicured residential and recreational urban settings around Bridges P125 and P131.

The Bridge P106 spans sit atop an approximately 25- to 30-foot-high railroad bed with corresponding depths of ditches along the existing rail line. The approaches and structures comprising Bridge P125 and Bridge P131 are situated on lower embankments measuring roughly 15 feet in height. However, these two localities exhibit more extensive and widespread mechanical disturbance due to past flood control mitigation construction activities.

- 3. Background Research:** Brian Huot conducted a files search on August 11, 2020 at the South Dakota State Historical Society, Archaeological Research Center (ARC) for the current undertaking (see Appendix A). Search results revealed that all three bridges scheduled for repair were previously documented. Bridge P106 was assigned SHPO ID No. MH00000904. Bridge P125 was assigned SHPO ID No. MH00001718. Bridge P131 was assigned SHPO ID No. MH00001562. Bridges P106 (MH00000904) and P131

(MH00001562) were determined eligible for listing in the National Register of Historic Places (NRHP). The NRHP-eligibility status of Bridge MH00001718 was not previously evaluated. Additionally, segments of railroad sites 39MH2003 (Chicago & Northwestern [C&NW] Railroad) and 39MH2014 (Chicago, St. Paul, Minneapolis & Omaha [CSt.PM&O] Railroad) are within the APE; all railroads in South Dakota are considered NRHP-eligible properties. Three prior cultural resource surveys (Buhta and Kruse 2009a; Lueck 2011; Winham 1988) intersect portions of the proposed Bridge P125 and P131 localities.

Numerous additional cultural resource surveys and sites were previously documented within one mile of the APE. Within one mile of the Bridge P106 (MH00000904) locality, 14 cultural resource surveys were previously conducted (Buechler 1999; Estep 1992; Kogel 2005a, 2006, 2013; Laundry 2012; Lueck 2004a, 2004b, 2011; Rom 2002; Wardlow 1990; Winham 1987, 1998; Winham and Lueck 1997). Ten archeological sites are documented within one mile of Bridge P106 (MH00000904) (39MH32–Archaic artifact scatter; 39MH90–Native American artifact scatter; 39MH91–Native American artifact scatter; 39MH150–Native American artifact scatter; 39MH155–Native American artifact scatter; 39MH291–Woodland mound; 39MH308–Euroamerican well/cistern; 39MH314–Euroamerican artifact scatter; and 39MH2003 and 39MH2013–railroads). Additionally, 15 structures and six bridges were previously documented within one mile of the APE (see Appendix A).

Seven previous surveys are recorded within one mile of the Bridge P125 (MH00001718) locality (Blondo 2010; Buhta and Kruse 2009a, 2009b; Goff and Rom 2005; Hanson 2004; Lueck 2010a, 2010b). Three archeological sites are also documented within one mile of this bridge (39MH76–historic industrial; 39MH89–historic dump; 39MH2014–railroad). Additionally, nine historic districts are located within one mile of Bridge P125 (MH00001718) (Sherman



District [03001529], Hayes District [06000049], Sioux Falls District [74001896], SD School for the Deaf District [81000576], Old Court House and Warehouse District [83003015], All Saints District [84003349], McKennan Park District [84003359], Sioux Falls Downtown District [94001393], and Sioux Falls District Increase [99000204]). Finally, seven bridges and 1,775 structures were previously documented within one mile of Bridge P125 (MH00001718) (see Appendix A).

Within one mile of Bridge P131 (MH00001562), 15 cultural resource surveys were previously conducted (Boen and Sieverding 2007; Braun 1993; Buhta 2007; Davis 2004a, 2004b; Des Planques 2004; Lueck 2005; Lueck and Hannus 2005; Messerli 2003; Palmer 2002; Rieb 2016; Winham 1988, 1990; Winham and Lueck 1989; Winham et al. 1991). Seven archeological sites were previously documented within one mile of Bridge P131 (MH00001562) (39MH5–Woodland mound, earthworks, and artifact scatter; 39MH23A–Plains Village earthlodges and Woodland mound; 39MH23B–Plains Village earthlodges; 39MH106–Native American artifact scatter; 39MH209–Native American village and Woodland mound; 39MH218–Euroamerican farmstead; 39MH2014–railroad). Additionally, one bridge and 44 structures were previously documented within one mile of this bridge locality (see Appendix A).

As an additional component of the background investigations, five historic atlases (Andreas 1884; Kenyon 1913; Midwest Atlas Company 1964; Ogle 1903; Peterson 1904) and the US Geological Survey 7.5-minute topographic quadrangles Brandon (1978), Sioux Falls East (1978), and Sioux Falls West (1978) were examined. No farmsteads or buildings are previously recorded in the APE on any of the above-referenced sources. All atlases and maps after 1884 depict the railroads and bridges.

#### 4. Field Investigations

Augustana archeologist Jason M. Kruse conducted an on-the-ground Level III cultural resource investigation of the APE on August 11, 2020. Each of the three bridge localities was surveyed using parallel, linear transects spaced at approximately 1-m intervals. Additional transects were walked along all riverbanks and rights-of-way within the APE. Landforms comprising the APE consist of Big Sioux River floodplain and stream channel. Augustana personnel revisited and documented Bridges P106 (SHPO ID No. MH00000904), P125 (SHPO ID No. MH00001718), and P131 (SHPO ID No. NH00001562), as well as segments of affiliated railroad sites 39MH2003 and 39MH2014 during the current investigation (see below; see Appendix B).

Soils observed during the pedestrian investigation closely mirror those mapped throughout the APE. Based on the presence of these soils, the extensive previous disturbance, the narrow extent of the APE, and the limited scope of the proposed construction, it is highly unlikely that undisturbed, buried cultural deposits, such as artifacts or features associated with precontact archeological sites, will be disturbed by the proposed undertaking. Due to the drastically altered landscape from previous construction episodes, there is little to no potential for undiscovered, intact buried cultural resources in the APE.

5. **Results:** Bridge Nos. P106, P125, and P131 (SHPO ID Nos. MH00000904, MH00001718, and MH00001562) and segments of sites 39MH2003 (C&NW Railroad) and 39MH2014 (CSt.PM&O Railroad) were revisited and documented during the current investigation (see Appendix B). No additional cultural resources were identified as part of the present survey.

#### ***Bridge No. P106 (SHPO ID MH00000904)***

Bridge No. P106 (original construction date 1887) was previously recorded by M. L. Dennis in 1995. It is situated on a portion of what was originally the C&NW Railroad Line (site 39MH2003). Bridge P106 is a timber trestle (east and west

approaches) and steel lattice through truss style structure. The bridge is located over the Big Sioux River ca. 0.46-mile northwest of the intersection of West Holly Boulevard and North Sioux Boulevard in the northwest part of the city of Brandon, South Dakota.

Page 2 of the SHPO Historic Sites Bridge Survey Form (see Appendix B) for P106 states:

*According to the South Dakota Bridge Survey (1990), this bridge may be the oldest surviving bridge in SD. Located on the Chicago & North Western railroad line, this lattice through truss bridge was built by the Lassiq Bridge and Iron Works of Chicago in c. 1887. The piers appear to have been recently replaced with poured concrete and portions of the wood trestle approaches may have been replaced. Although the integrity of the piers is slightly compromised, the metal truss itself has exceptional integrity and appears to be in good condition. As potentially the oldest surviving bridge in South Dakota, the significance of this bridge is exceptionally high. (A second lattice bridge, MH-SR-06, is located just south of Brandon and was built at approximately the same time, although it was not placed at this Minnehaha County location until sometime later).*

Hufstetler and Bedeau (2007:51) note that the timber trestle style portion of the bridge represents the most common railroad bridge type in South Dakota, frequently employed to span minor watercourses. This is largely an economic byproduct: timber trestle bridges were simply easier and cheaper to construct. The timber trestle approaches to Bridge No. P106 on both the east and west sides represent one of numerous examples of this type of structure surviving today in South Dakota (Hufstetler and Bedeau 2007:52). The lattice through truss bridge element of the combination of bridge styles represents a relatively uncommon bridge structure in South Dakota, and is proposed to be among the

best examples of bridge engineering in the state (Hufstetler and Bedeau 2007:51).

Bridge No. P106 is nearly identical to bridges P125 and P131. Bridge No. P106 (MH00000904) was previously evaluated and determined eligible for listing in the NRHP by SHPO on August 19, 1995.

***Bridge No. P125 (SHPO ID MH00001718)***

Bridge No. P125 (original construction date 1892) was previously recorded by Augustana in 2009 (Buhta and Kruse 2009a). It is situated on a portion of what was originally the CSt.PM&O Railroad Line (site 39MH2014). Bridge P125 is a timber trestle (north and south approaches) and double steel lattice through truss style structure. The bridge is located over the Big Sioux River immediately south of the 12<sup>th</sup> Street bridge in downtown Sioux Falls, South Dakota.

Hufstetler and Bedeau (2007:51) note that the timber trestle approach on the south end is a style of bridge that represents the most common railroad bridge type in South Dakota, frequently employed to span minor watercourses. This is largely an economic byproduct: timber trestle bridges were simply easier and cheaper to construct. The timber trestle approach to Bridge No. P125 represents one of numerous examples of this type of structure surviving today in South Dakota (Hufstetler and Bedeau 2007:52). The lattice through truss bridge element of the combination of bridge styles represents a relatively uncommon bridge structure in South Dakota, and is proposed to be among the best examples of bridge engineering in the state (Hufstetler and Bedeau 2007:51).

Bridge No. P125 (MH00001718) is nearly identical to bridges P106 and P131. Although Bridge P125 was previously documented, its NRHP-eligibility status remained unevaluated prior to the commencement of this investigation. SHPO determined that Bridge No. P125 is NRHP-eligible on August 24, 2020.

***Bridge No. P131 (SHPO ID MH00001562)***

Bridge No. P131 (original construction date 1893) was previously recorded in 2002; however, no identification of the documenter is provided in the records. It is situated on a portion of what was originally the CSt.PM&O Railroad Line (site 39MH2014). Bridge No. P131 is a combination timber trestle (east approach) and steel lattice through truss style structure. The bridge is located over the Big Sioux River immediately southwest of the Sioux Empire Fairgrounds in Sioux Falls, South Dakota.

Hufstetler and Bedeau (2007:51) note that the timber trestle approach on the east end is a style of bridge that represents the most common railroad bridge type in South Dakota, frequently employed to span minor watercourses. This is largely an economic byproduct: timber trestle bridges were simply easier and cheaper to construct. The timber trestle approach to Bridge No. P131 represents one of numerous examples of this type of structure surviving today in South Dakota (Hufstetler and Bedeau 2007:52). The lattice through truss bridge element of the combination of bridge styles represents a relatively uncommon bridge structure in South Dakota; it is proposed to be among the best examples of bridge engineering in the state (Hufstetler and Bedeau 2007:51).

Bridge No. P131 (MH00001562) is nearly identical to Bridges P106 and P125. It was previously evaluated and determined NRHP-eligible on March 6, 2002 by SHPO.

***Sites 39MH2003 (C&NW Railroad) and 39MH2014 (CSt.PM&O Railroad)***

One segment of site 39MH2003, the former C&NW Railway line, intersects the Bridge No. P106 locality. Individual segments of site 39MH2014, the former CSt.PM&O Railway line, intersect the Bridge P125 and P131 localities. In each instance, the railway segments are extant and, to greater or lesser degrees, operational. Railway components such as trackage, ties, ballast, spikes, and

the like are present; however, evidence for the prior replacement of individual elements of several of these components was noted at each locality.

In South Dakota, all railroads are eligible for listing in the NRHP. However, proposed construction activities associated with the current undertaking will be confined to those areas that are part of Bridge Nos. P106, P125, and P131 and the adjacent riverbanks. No impacts to the extant railway line segments comprising portions of archeological sites 39MH2003 and 39MH2014 are anticipated.

**6. Recommendations:** Evaluation of the significance of an historic or prehistoric archeological site or standing structure is based upon the following established criteria of eligibility as set forth in the NRHP:

The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects of state and local importance that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

- (A) That are associated with events that have made a significant contribution to the broad patterns of our history; or
- (B) That are associated with the lives of persons significant in our past; or
- (C) That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- (D) That have yielded, or may be likely to yield, information important in prehistory or history [NPS 1991:2].

Archeological sites 39MH2003 (C&NW Railroad) and 39MH2014 (CSt.PM&O Railroad) are located in the APE. Like all railroads in South Dakota, sites 39MH2003 and 39MH2014 are eligible for listing in the NRHP by satisfying the

specifications set forth under Criteria A (significance in association with the overall history of the region) and C (significance as a representation of the transportation, technology, and engineering of the time period) of the NRHP (Hufstetler and Bedeau 2007:44; National Park Service (NPS) 1991:37; State Historical Preservation Center (SHPC) 1991:1).

At each bridge locality, railway lines are extant and operational and components such as trackage, ties, ballast, spikes, and the like are present. Evidence for the prior replacement of individual elements of several of these components was noted at each locality. Proposed construction activities associated with the current undertaking will be confined to those areas that are part of Bridge Nos. P106, P125, and P131 and the adjacent riverbanks. No impacts to the extant railway line segments comprising portions of archeological sites 39MH2003 and 39MH2014 are anticipated.

Bridge Nos. P106, P125, and P131 (SHPO ID Nos. MH00000904, MH00001718, and MH00001562) are combination timber pile trestle and steel lattice through truss structures that span the Big Sioux River in the APE. Bridges are most often eligible for NRHP-listing under Criteria A and/or C; however, some may also be eligible under Criterion B if the designer or builder was a significant individual (Ericksson et al. 2000:4). South Dakota was not an early leader in bridge design or construction; Quivik and Johnson (1990:2) attribute this largely to a combination of late settlement date and lack of a major industrial base. Although South Dakota's first bridge engineer, Edward Kirkham, was such a significant individual, Bridge Nos. P106, P125, and P131 predate Kirkham's arrival in the state. Despite this, Bridge Nos. P106 and P131 were previously determined to be NRHP-eligible structures. Although Bridge No. P125 (MH00001718) was not previously evaluated, it shares many characteristics with Bridge Nos. P106 (MH00000904) and P131 (MH00001562), such as an extremely early construction date, uncommon design characteristics, and association with railroad transportation in South

Dakota. These characteristics speak to the significance of the property and its integrity is considered more than sufficient to convey this significance. Given these factors, Augustana recommended that Bridge No. P125 (MH00001718) be considered eligible for listing in the NRHP; SHPO concurred with this recommendation on August 24, 2020 (see Appendix B).

Bridge Nos. P106, P125, and P131 (SHPO ID Nos. MH00000904, MH00001718, and MH00001562) represent NRHP-eligible properties scheduled for repairs that will substantially alter portions of their respective approach spans, abutments, and substructures. In light of this, a determination of adverse effect is recommended in response to the proposed undertaking. Augustana recommends that additional mitigative efforts for each bridge structure be conducted in consultation with a qualified Architectural Historian, the South Dakota SHPO, and other interested parties. Please note that final recommendations are provided by the SHPO.

Although the potential for isolated buried features, such as burials, hearths, or pits, is considered low, this does not preclude such features from being uncovered during the course of construction activities within the APE. In the event that such an incident occurs, the South Dakota SHPO should be notified.

7. **Attachments:** Figures 1-27; Appendix A (Record Search Bridge and Structure list), Appendix B (Bridge Structure and Archeological Site Forms).



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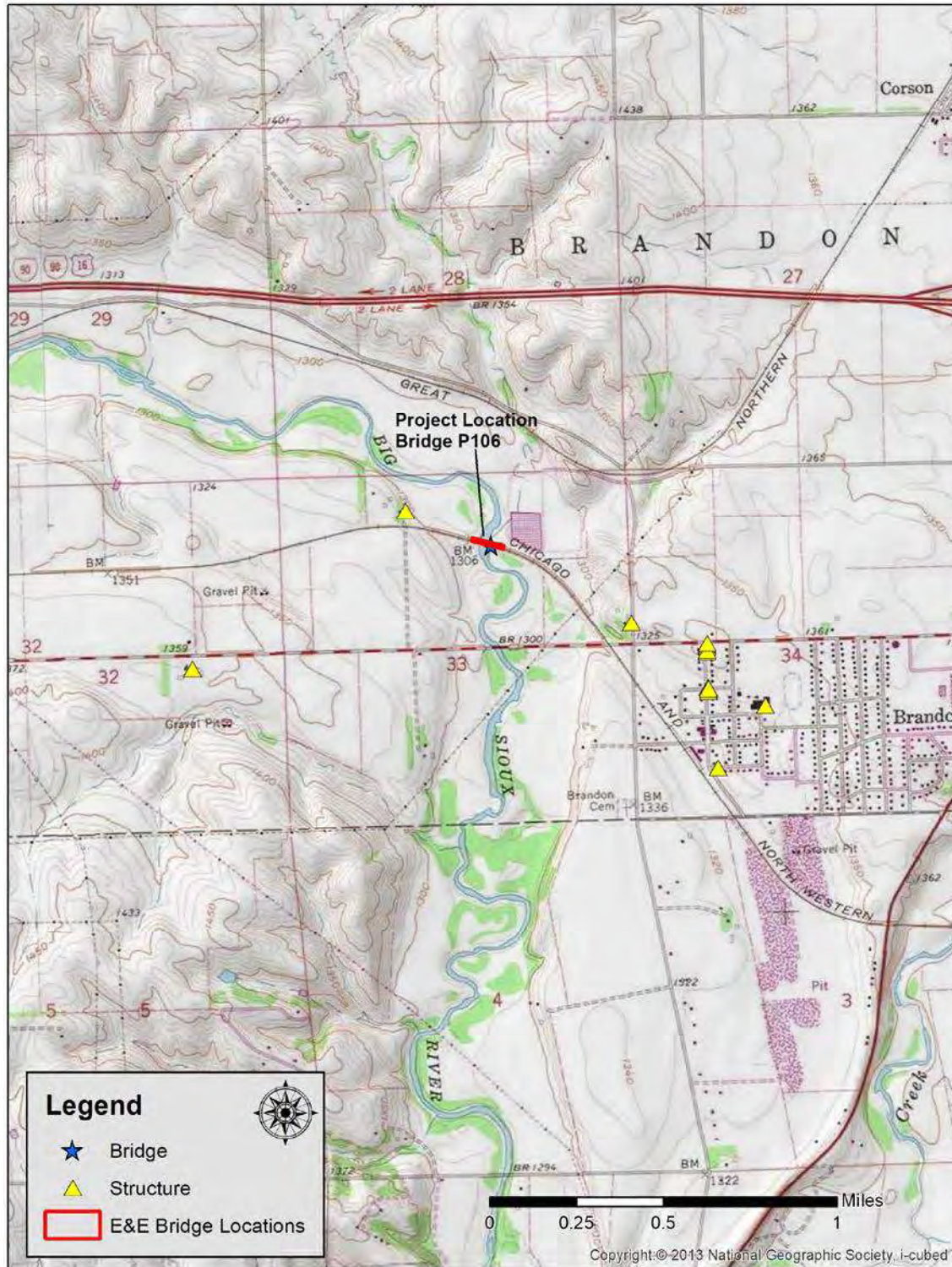
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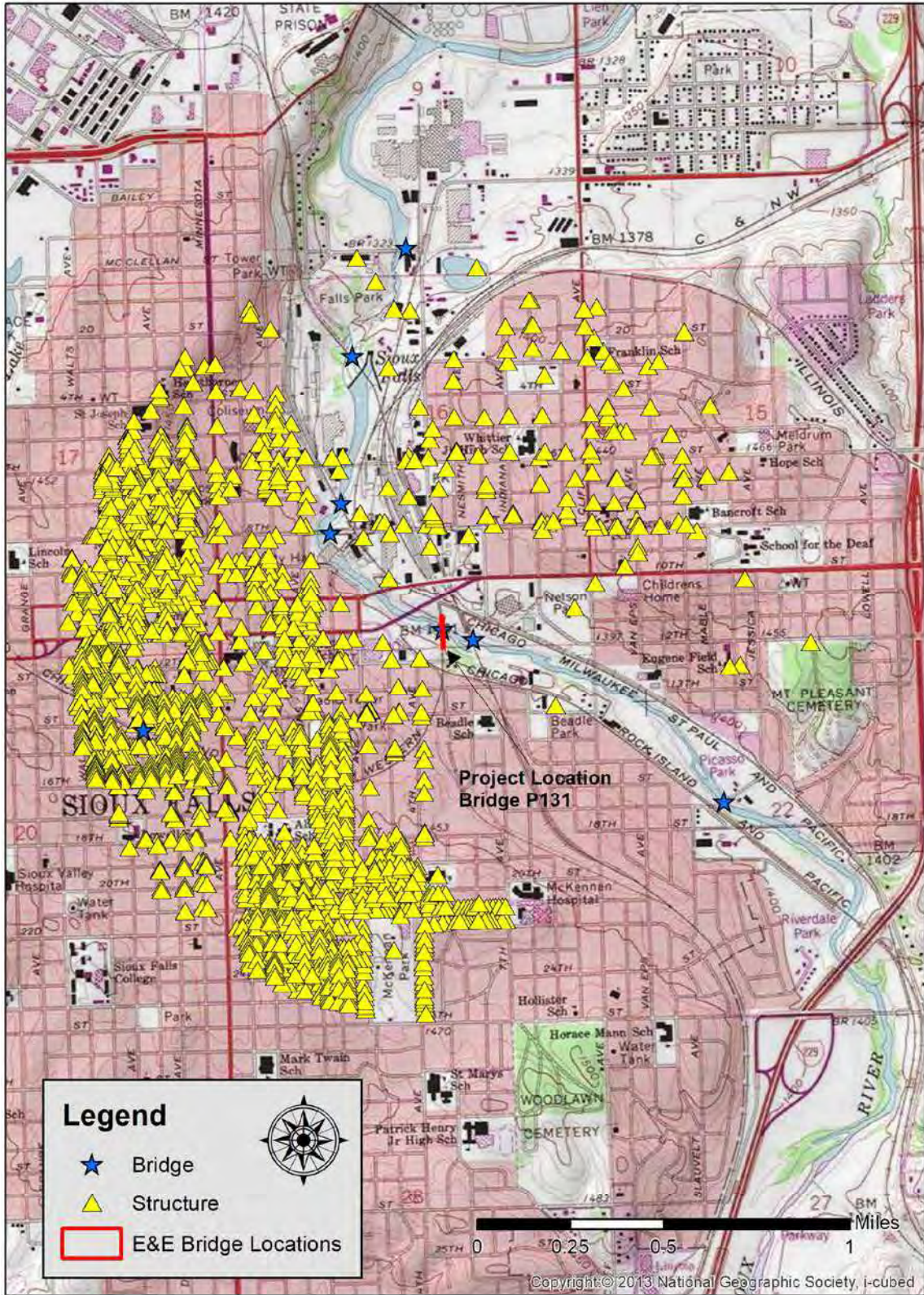
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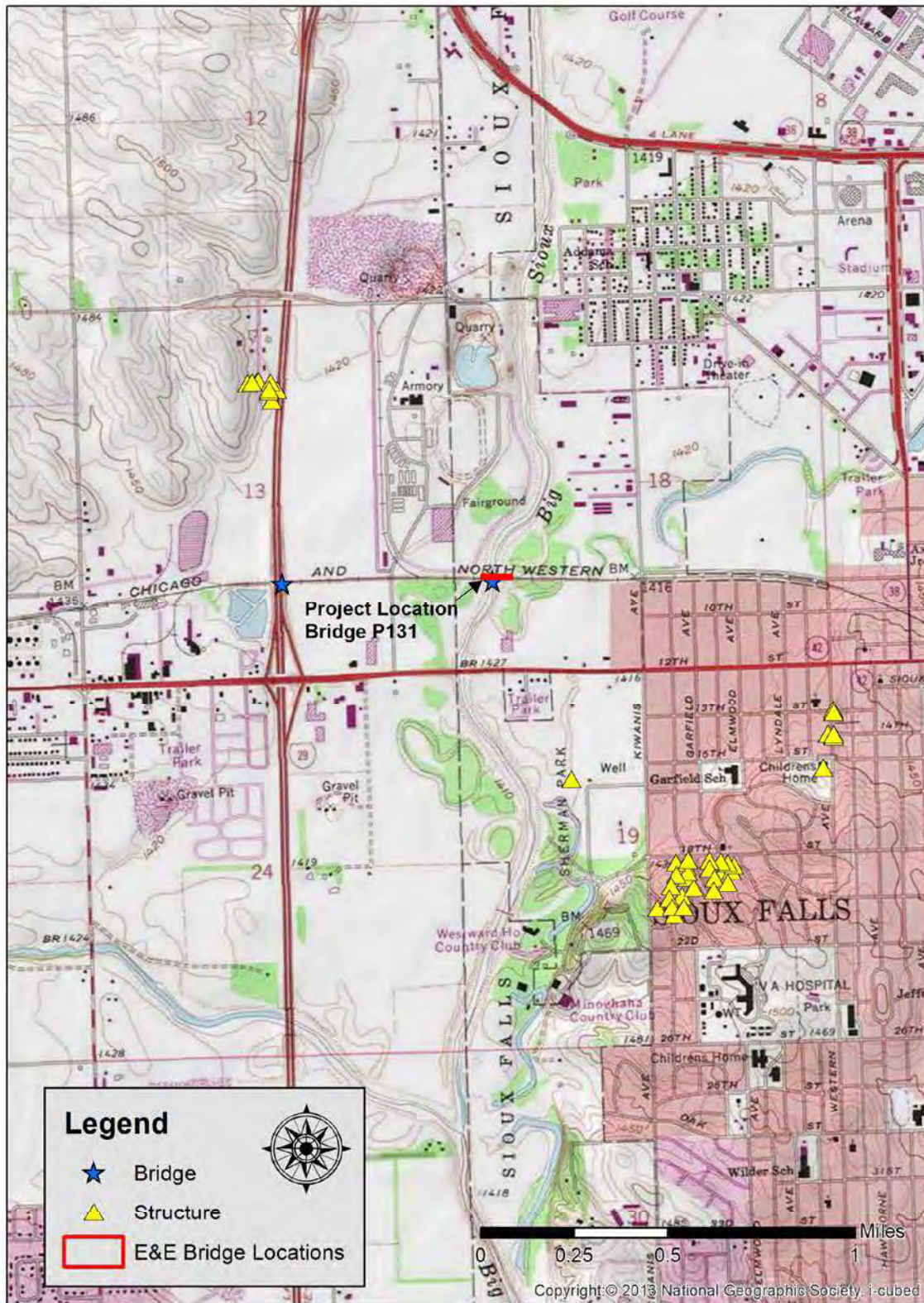


**Figure 2.** Location of Bridge P106 APE in Sec. 33, T102N, R48W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Brandon (1978).





**Figure 4.** Location of Bridge P125 APE in Sec. 16, T101N, R49W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Sioux Falls East (1978).



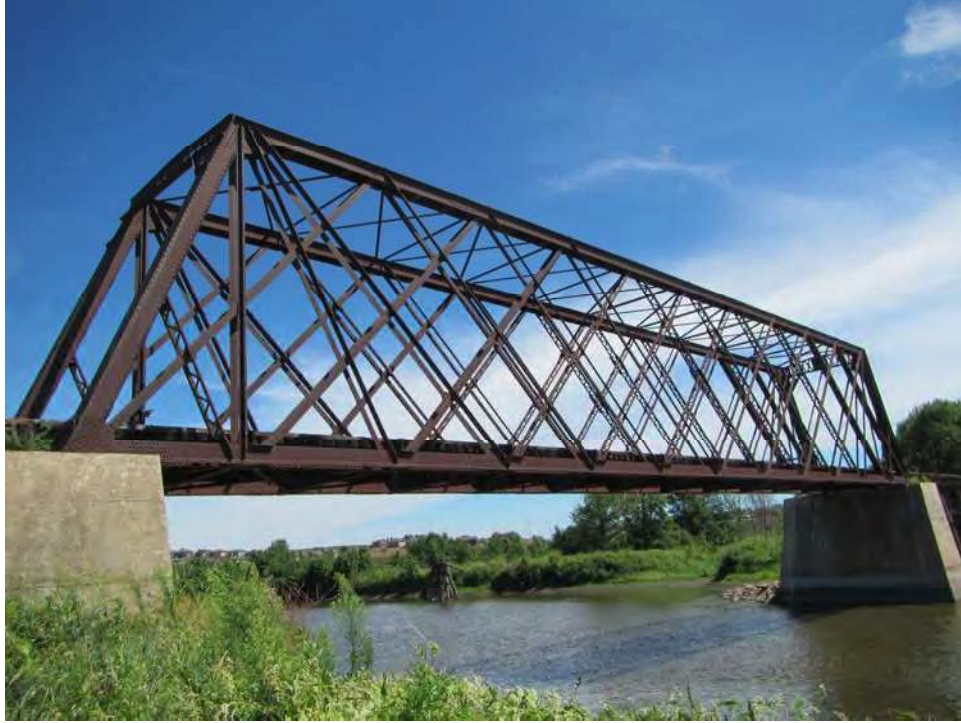
**Figure 6.** Location of Bridge P131 APE in Sec. 18, T101N, R49W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Sioux Falls West (1978).



**Figure 7.** Satellite view of Bridge P106.



**Figure 8.** Overview of the Bridge P106 project area, facing southwest.



**Figure 9.** Overview of the steel lattice through truss structure, Bridge P106, facing northeast.



**Figure 10.** Overview of the trestle approach and truss structures, Bridge P106, facing east-northeast.



**Figure 11.** View of Bridge P106 trestle deck from beneath, facing north.



**Figure 12.** View of timber trestle approach, Bridge P106, facing west.



**Figure 13.** View of east trestle approach and truss structures, Bridge P106 and site 39MH2003, facing west.



**Figure 14.** Satellite view of Bridge P125.



**Figure 15.** Overview of Bridge P125 and site 39MH2014, facing north.



**Figure 16.** View of south timber trestle approach and steel lattice through truss structures, Bridge P125, facing north-northwest.



**Figure 17.** View of Bridge P125 truss deck from beneath, facing north.



**Figure 18.** View of northern half of Bridge P125 truss structure, facing north-northeast.





**Figure 19.** Satellite view of Bridge P131.



**Figure 20.** Overview of Bridge P131, facing north.



**Figure 21.** Overview of timber trestle and steel truss structures, Bridge P131, and site 39MH2014, facing west.



**Figure 22.** View of timber trestle approach structure, Bridge P131, facing west-northwest.



**Figure 23.** View of timber trestle support structure, Bridge P131, facing northeast.



**Figure 24.** View of steel lattice through truss, Bridge P131, facing southwest.



**Figure 25.** View of steel truss deck, Bridge P131, facing west.



**Figure 26.** View of deteriorating support column, Bridge P131, facing southwest.



**Figure 27.** Close-up opposing view of support column in Figure 26, facing north.

**APPENDIX A**

**RECORD SEARCH RESULTS OF PREVIOUSLY DOCUMENTED  
STRUCTURES AND BRIDGES**

**Previously Documented Bridges**

<b>SHPO ID</b>	<b>Name</b>	<b>Eligibility</b>	<b>NR Status</b>
MH00000520	Br. No. 50-198-212	Not Eligible	Removed
MH00000904	Railroad Bridge over Big Sioux	NR Eligible	
MH00001204	Br. No. 50-205-199	Not Eligible	
MH00001372	50-203-206	NR Eligible	NR listed
MH00001503	Bridge #50-214-225	NR Eligible	NR listed
MH00001562	Elmwood Park Bridge	NR Eligible	
MH00001596	50-176-207	Not Eligible	
MH00001717		Unevaluated	
MH00001718		Unevaluated	
MH00001719		Unevaluated	
MH00002265	BNSF Falls Park Crossing	NR Eligible	w

**Previously Documented Structures**

<b>SHPO ID</b>	<b>Category</b>	<b>Eligibility</b>	<b>NR Status</b>
MH00000007	Paulton Block	Not Eligible	
MH00000008	Southwestern Block	NR Eligible	NR listed
MH00000009	Farley Loetscher Company	NR Eligible	NR listed
MH00000010	Grand Brewing Company	Unevaluated	
MH00000011	Great Northern Depot	Unevaluated	
MH00000012		Unevaluated	
MH00000015	Plumbing Supply Companies	NR Eligible	NR listed
MH00000016	Farley Loetscher Company	NR Eligible	NR listed
MH00000017	Bechtold Jewelers	NR Eligible	NR listed
MH00000020	War Surplus Store	Unevaluated	
MH00000021	Farmer Market	Not Eligible	
MH00000022	Stockman's Bar	NR Eligible	NR listed
MH00000023	Milwaukee Roundhouse	Unevaluated	
MH00000024	Haggar Grocery & East Side Pharmacy	Unevaluated	
MH00000025	Haggar Bro. Grocery	Unevaluated	
MH00000026	Morian-Beattie Company	Unevaluated	
MH00000027	Farmer's Union Brokerage-Oil Company	Unevaluated	
MH00000028	East Side Fire Station & Library	NR Eligible	NR listed
MH00000029	Sioux Distributing Ltd.	Unevaluated	
MH00000045	329-335 South Phillips	NR Eligible	NR listed
MH00000047	Morse Apartment	Not Eligible	
MH00000054	Home Federal Savings & Loan	Not Eligible	
MH00000055	Ramsey Block	Unevaluated	
MH00000056	Dalton Block	Not Eligible	
MH00000057	Parker Block	NR Eligible	NR listed
MH00000058	My Place	Unevaluated	

MH00000060	Eastside Lutheran	Unevaluated	
MH00000061	Industrial Contractors	Unevaluated	
MH00000062	Roggewenn, F. W. House	Unevaluated	
MH00000063	Bancroft School	Unevaluated	
MH00000064	Ankrum, Raymond Home	Unevaluated	
MH00000065	Little Flower of Jesus Rectory	Unevaluated	
MH00000066	Carpenter, W. E., Home	Unevaluated	
MH00000067	Aldridge, E., House	Unevaluated	
MH00000068	Little Flower of Jesus Church	Unevaluated	
MH00000069		Unevaluated	
MH00000070		Unevaluated	
MH00000071		Unevaluated	
MH00000072	Larson, J. S., Home	Unevaluated	
MH00000074	McMaster Home	Unevaluated	
MH00000075	Kellgren House	Unevaluated	
MH00000076		Unevaluated	
MH00000077	Hadaman House	Unevaluated	
MH00000078	Ruhlman's Grocery	Unevaluated	
MH00000079	Holmes Grocery	Unevaluated	
MH00000080	Johnson, Svart	Unevaluated	
MH00000081	William, Rennie House	Unevaluated	
MH00000082		Unevaluated	
MH00000083	Bjerke, Anna House	Unevaluated	
MH00000084		Unevaluated	
MH00000085	Cross Grocery	Unevaluated	
MH00000086		Unevaluated	
MH00000087	Sioux Falls Brewery	Unevaluated	
MH00000089	Mini Flea Market	Unevaluated	
MH00000090	Illinois Central Maintenance	NR Eligible	
MH00000091	Buell, James E., House	NR Eligible	NR listed
MH00000092	WPA Permanent Warehouse	Unevaluated	
MH00000093	Northwestern and Roundtable	Unevaluated	
MH00000094	Outbuilding	Unevaluated	
MH00000097	Queen City Candy & Tobacco	Unevaluated	
MH00000098	East Side Farmer's Market	Unevaluated	
MH00000099		Unevaluated	
MH00000102	Bam Opposite Brewery	Unevaluated	
MH00000103	Dakota Moline Plow Company	NR Eligible	NR listed
MH00000104	Tri-State Creamery	NR Eligible	NR listed
MH00000105	Bolles & Rogers Hide Company	Not Eligible	
MH00000106	601 North Spring Avenue	NR Eligible	NR listed
MH00000108	Howe Building	Not Eligible	
MH00000110	First Church of God	Unevaluated	



MH00000111	Episcopal Hospital	Unevaluated
MH00000112	Haggar Home	Unevaluated
MH00000113	Hi-Ho Tavern	Unevaluated
MH00000115	Colby, E. O.	Unevaluated
MH00000116	Mikkelsen House	Unevaluated
MH00000117	Sticknays	Unevaluated
MH00000118	Craig House	Unevaluated
MH00000119	Bones, Walter I., House	Unevaluated
MH00000121	Huseboe, Knut House	Unevaluated
MH00000122		Unevaluated
MH00000123		Unevaluated
MH00000124	Norberg, Peter	Unevaluated
MH00000125		Unevaluated
MH00000126	Lathrop, W. I.	Unevaluated
MH00000127	Anderson, K. N.	Unevaluated
MH00000128	Cone, Mrytle	Unevaluated
MH00000138		Unevaluated
MH00000140	Residence	Unevaluated
MH00000143		Unevaluated
MH00000150		Unevaluated
MH00000151		Unevaluated
MH00000153	Christopherson, G. C. House	Unevaluated
MH00000155	Fusefield or Burnside House	Unevaluated
MH00000165		Unevaluated
MH00000166		Unevaluated
MH00000169	Moscow, J. H.	Unevaluated
MH00000170	Schoe, Peter	Unevaluated
MH00000172	Judge Meedine	Unevaluated
MH00000173	Laufer	Unevaluated
MH00000174	Laufler, H. I.	Unevaluated
MH00000175	Whipple	Unevaluated
MH00000176	Judge Burns	Unevaluated
MH00000177		Unevaluated
MH00000178	Residence	Unevaluated
MH00000193	Kneebone House	Unevaluated
MH00000195		Unevaluated
MH00000196		Unevaluated
MH00000197	Thompson	Unevaluated
MH00000204	Stime, Edwin O.	Unevaluated
MH00000205		Unevaluated
MH00000206	Millage, Fred and Ruby	Unevaluated
MH00000208	Newell, H. C.	Unevaluated
MH00000210		Unevaluated

MH00000211	Residence	Unevaluated	
MH00000212	Anderson's Grocery Store	Unevaluated	
MH00000213	Anderson, K. N.	Unevaluated	
MH00000221	Ulberg, J. A.	Unevaluated	
MH00000222		Unevaluated	
MH00000223		Unevaluated	
MH00000231		Unevaluated	
MH00000232		Unevaluated	
MH00000233	Winjum, K. O., House	Unevaluated	
MH00000235		Unevaluated	
MH00000237	Johnny's Barber Shop	Unevaluated	
MH00000238		Unevaluated	
MH00000239	Kush Grocery	Unevaluated	
MH00000240		Unevaluated	
MH00000241		Unevaluated	
MH00000242		Unevaluated	
MH00000243	Reformed Church	Unevaluated	
MH00000244	Handley Pharmacy	NR Eligible	
MH00000245		Unevaluated	
MH00000246	Residence	Unevaluated	
MH00000247	Craft House	NR Eligible	NR listed
MH00000248		Unevaluated	
MH00000249	Hoyt, Charles Home	NR Eligible	NR listed
MH00000250		Unevaluated	
MH00000251	Smead House	Not Eligible	NR listed
MH00000252	House	Unevaluated	
MH00000253	Turner House	Not Eligible	NR listed
MH00000254	Hostetiler House	NR Eligible	
MH00000255	Wagner, E. E. House	NR Eligible	
MH00000256	Kuter House	NR Eligible	NR listed
MH00000258	Renoldson home	NR Eligible	NR listed
MH00000259	Bates home	NR Eligible	NR listed
MH00000263		Unevaluated	
MH00000264	Bigham home	NR Eligible	NR listed
MH00000265	Downing homeLaird, Dr. W. R., House	NR Eligible	NR listed
MH00000266	Elliot house	NR Eligible	NR listed
MH00000267	Patton, Ward H., House	NR Eligible	NR listed
MH00000275	Rohde House	NR Eligible	NR listed
MH00000277	Swiden House	Unevaluated	
MH00000278		Unevaluated	
MH00000279		Unevaluated	
MH00000280		Unevaluated	
MH00000281		Unevaluated	

MH00000288		Unevaluated	
MH00000290		Unevaluated	
MH00000293	Heritage Park	Unevaluated	
MH00000294	Van Eps Park	Unevaluated	
MH00000296	Nelson Park/Drake Springs Pool	Unevaluated	
MH00000298	Beadle Park	Unevaluated	
MH00000299	Winona Park	Unevaluated	
MH00000300	Sherman Park	Unevaluated	
MH00000303		Unevaluated	
MH00000304		Unevaluated	
MH00000305	Klein House	Unevaluated	
MH00000306	Fanebust House	Unevaluated	
MH00000307	Parish House	Unevaluated	
MH00000308		Unevaluated	
MH00000309		Unevaluated	
MH00000310		Unevaluated	
MH00000311		Unevaluated	
MH00000312		Unevaluated	
MH00000314		Unevaluated	
MH00000315		Unevaluated	
MH00000316		Unevaluated	
MH00000317	Brockman House	NR Eligible	NR listed
MH00000318	Mriden, Sam House	Unevaluated	
MH00000319		Unevaluated	
MH00000320		Unevaluated	
MH00000321	Frobair, Dr., House	Unevaluated	
MH00000322		Unevaluated	
MH00000323		Unevaluated	
MH00000324		Unevaluated	
MH00000325		Unevaluated	
MH00000326	Schaefer, Dick House	Unevaluated	
MH00000327		Unevaluated	
MH00000328		Unevaluated	
MH00000329		Unevaluated	
MH00000330	Burritt House	NR Eligible	NR listed
MH00000331	Plooster House	NR Eligible	NR listed
MH00000332	Anderson, Harry P., House	Unevaluated	
MH00000333	Hawley, Lewis C., House	Unevaluated	
MH00000334	Sub Shop	Unevaluated	
MH00000335	Goodyear Engineering	Unevaluated	
MH00000336	Johnson Cleaners	Unevaluated	
MH00000337		Unevaluated	
MH00000340	Springer House	NR Eligible	NR listed

MH00000341	Dennis, A. T., House & Derutter House	NR Eligible	NR listed
MH00000342	Webber, Dr. William House	Unevaluated	
MH00000343	Wintersteen House	NR Eligible	NR listed
MH00000344		Unevaluated	
MH00000346	Freeman, Henry L., House	NR Eligible	NR listed
MH00000347		Unevaluated	
MH00000348	1004 South Fourth	Unevaluated	
MH00000349		Unevaluated	
MH00000350		Unevaluated	
MH00000352		Unevaluated	
MH00000353		Unevaluated	
MH00000354	Bragstad House	NR Eligible	NR listed
MH00000355	Paine House	NR Eligible	NR listed
MH00000356	Martin House	NR Eligible	NR listed
MH00000357		Unevaluated	
MH00000359	Sokup House	Unevaluated	
MH00000360	Morris, Henry House (site #1)	Unevaluated	
MH00000361		Unevaluated	
MH00000362	Haggar, Carl Store	Unevaluated	
MH00000363		Unevaluated	
MH00000364		Unevaluated	
MH00000365	DuBray, Joesph Home	Unevaluated	
MH00000366	Satnan Family Home	Unevaluated	
MH00000367		Unevaluated	
MH00000368	Assid, Bill	Unevaluated	
MH00000369		Unevaluated	
MH00000370		Unevaluated	
MH00000371	Schilt House	NR Eligible	NR listed
MH00000373	Residence	Unevaluated	
MH00000374		Unevaluated	
MH00000375		Unevaluated	
MH00000376		Unevaluated	
MH00000377		Unevaluated	
MH00000378		Unevaluated	
MH00000379	Daniels, Grant House	Unevaluated	
MH00000380	Kruger House	Unevaluated	
MH00000381	Morris, Henry House (site #2)	Unevaluated	
MH00000382		Unevaluated	
MH00000383	Banks, H. A., House	Unevaluated	
MH00000384	Chase Apartments	Not Eligible	NR listed
MH00000385	McMillan House	NR Eligible	NR listed
MH00000386	Child Home	NR Eligible	NR listed
MH00000387	Hugh House	NR Eligible	NR listed

MH00000388	Johnson Home	NR Eligible	NR listed
MH00000389	Rogers home	NR Eligible	NR listed
MH00000390	Foster, John Morrell House	NR Eligible	NR listed
MH00000391	Anderson House	NR Eligible	NR listed
MH00000392	Billingsley House	NR Eligible	NR listed
MH00000393	Sproesser, G. W., Jr	NR Eligible	NR listed
MH00000394	Pollard, Janet Dow	NR Eligible	NR listed
MH00000395	Taylor House	NR Eligible	NR listed
MH00000396	Nugen Home	NR Eligible	NR listed
MH00000398	Stenson home	NR Eligible	NR listed
MH00000399	Donahue Apartments	NR Eligible	NR listed
MH00000400	Gloria House	NR Eligible	NR listed
MH00000401	1400/1402 S. Center	NR Eligible	
MH00000402	Reed Home	NR Eligible	NR listed
MH00000405	Hurd Home	NR Eligible	NR listed
MH00000406	Berdahl House	NR Eligible	NR listed
MH00000407	Russell Residence	NR Eligible	NR listed
MH00000408	House	Unevaluated	
MH00000409	House	Unevaluated	
MH00000410	Parshall House	Not Eligible	NR listed
MH00000411	Smith House	NR Eligible	NR listed
MH00000412	Locke House	NR Eligible	NR listed
MH00000423	Rhodes Home	NR Eligible	NR listed
MH00000425	Skyberg House	Unevaluated	
MH00000426	Rader home	NR Eligible	NR listed
MH00000427	Coombe House	NR Eligible	NR listed
MH00000438	?	Unevaluated	
MH00000439	512 S SPRING AVE	Unevaluated	
MH00000440	514 S SPRING AVE	Unevaluated	
MH00000441	519 S SPRING AVE	Unevaluated	
MH00000442	521 S SPRING AVE	Unevaluated	
MH00000443	603 S SPRING AVE	Unevaluated	
MH00000444	605 S SPRING AVE	Unevaluated	
MH00000445	Buell, John F. Home	Unevaluated	
MH00000446	215 South Duluth Avenue	Not Eligible	
MH00000447	219 South Duluth Avenue	NR Eligible	
MH00000448	Sessions, Harry C. House	Not Eligible	
MH00000449		Unevaluated	
MH00000450	Seven Day Advent Church	Unevaluated	
MH00000451	333 S SPRING AVE	Unevaluated	
MH00000452	?	Unevaluated	
MH00000453	209 South Summit Avenue	NR Eligible	
MH00000454	216 South Summit Avenue	NR Eligible	

MH00000455	218 South Summit Avenue	NR Eligible	
MH00000456	219 South Summit Avenue	NR Eligible	
MH00000457	220-220 1/2 South Summit Avenue	NR Eligible	
MH00000458	Walker House (1982)	NR Eligible	
MH00000459	411 S SUMMIT AVE	Unevaluated	
MH00000460		Unevaluated	
MH00000461	509 S SUMMIT AVE	Unevaluated	
MH00000462	511 S SUMMIT AVE	Unevaluated	
MH00000463	?	Unevaluated	
MH00000464	Antiques Plus	Unevaluated	
MH00000465	Arkota Ballroom	Unevaluated	
MH00000476		Unevaluated	
MH00000477	Abbott House	Unevaluated	
MH00000478	FIRST UNITED METHODIST CHURCH	Unevaluated	
MH00000479		Unevaluated	
MH00000480	First Presbyterian Church	Unevaluated	
MH00000481	Brown House (1982)	NR Eligible	
MH00000482	223 South Spring Avenue	Not Eligible	Demolished
MH00000483	Germain, Dr.	Unevaluated	
MH00000484	Dwelling	Unevaluated	
MH00000485	310 S SPRING AVE	Unevaluated	
MH00000486	312 S SPRING AVE	Unevaluated	
MH00000487	Schoneman Home	Unevaluated	
MH00000488	318 S SPRING AVE	Unevaluated	
MH00000489	535 S SUMMIT AVE	Unevaluated	
MH00000490	Pettigrew-Kogel House	Unevaluated	
MH00000491	624 West Eleventh Street	NR Eligible	
MH00000492	514 S SUMMIT AVE	Unevaluated	
MH00000493	224 South Walts Avenue	NR Eligible	
MH00000494		Unevaluated	
MH00000495		Unevaluated	
MH00000496	312 S WALTZ AVE	Unevaluated	
MH00000497		Unevaluated	
MH00000498		Unevaluated	
MH00000499	Irving School	NR Eligible	
MH00000500	Winsor-Rottluff House	Unevaluated	
MH00000501	Pet Store	Unevaluated	
MH00000502		Unevaluated	
MH00000503	211 South Walts Avenue	Not Eligible	Demolished
MH00000504		Unevaluated	
MH00000505	201 South Walts Avenue	Not Eligible	Demolished
MH00000506		Unevaluated	
MH00000507	?	Unevaluated	

MH00000508	?	Unevaluated
MH00000509	820-822 West Eleventh Street	NR Eligible
MH00000510	824-826 West Eleventh Street	NR Eligible
MH00000511		Unevaluated
MH00000512	?	Unevaluated
MH00000513	?	Unevaluated
MH00000515	?	Unevaluated
MH00000516	?	Unevaluated
MH00000517	612 West Eleventh Street	Not Eligible
MH00000518	Rainbow Signs	Unevaluated
MH00000519		Unevaluated
MH00000521		Unevaluated
MH00000522	Schwarz, Joseph House	Unevaluated
MH00000523		Unevaluated
MH00000524	Fellows House	Unevaluated
MH00000525	311 S PRAIRIE AVE	Unevaluated
MH00000526	312 S PRAIRIE AVE	Unevaluated
MH00000527	313 S PRAIRIE AVE	Unevaluated
MH00000528	314 S PRAIRIE AVE	Unevaluated
MH00000529		Unevaluated
MH00000530	220 South Walts Avenue	Not Eligible
MH00000531		Unevaluated
MH00000532	518 S SUMMIT AVE	Unevaluated
MH00000533		Unevaluated
MH00000534	Day House	Unevaluated
MH00000535	Subera, Dr. House	Unevaluated
MH00000536	809 West Tenth Street	Not Eligible
MH00000537	810 West Tenth Street	NR Eligible
MH00000538	900 West Tenth Street	NR Eligible
MH00000539	906 West Tenth Street	Not Eligible
MH00000540	109 South Walts Avenue	NR Eligible
MH00000541	115-117 South Walts Avenue	NR Eligible
MH00000542	William McKenzie House	NR Eligible
MH00000543	120 South Walts Avenue	NR Eligible
MH00000544	Beer Warehouse	Unevaluated
MH00000545		Unevaluated
MH00000546		Unevaluated
MH00000547		Unevaluated
MH00000548		Unevaluated
MH00000549		Unevaluated
MH00000550		Unevaluated
MH00000552		Unevaluated
MH00000553		Unevaluated

MH00000554		Unevaluated	
MH00000555		Unevaluated	
MH00000556		Unevaluated	
MH00000557		Unevaluated	
MH00000558		Unevaluated	
MH00000559	Samaritan Hospital	Unevaluated	
MH00000560	Fauske, Ingebert House	Unevaluated	
MH00000561		Unevaluated	
MH00000562		Unevaluated	
MH00000563		Unevaluated	
MH00000564	Cook House	Unevaluated	
MH00000565	Baker House	Unevaluated	
MH00000566	Gospel Tabernacle	Unevaluated	
MH00000567	McKee, John House	Unevaluated	
MH00000568	Sons of Isreal Congregation	Unevaluated	
MH00000569	First Lutheran Church	Unevaluated	
MH00000571		Unevaluated	
MH00000572		Unevaluated	
MH00000577	Brandon Elementary	NR Eligible	
MH00000578	Franklin Elementary	Not Eligible	
MH00000584		Unevaluated	
MH00000585		Unevaluated	
MH00000586	Bauch, Louis House	Unevaluated	
MH00000587	Sid's Liquor	NR Eligible	NR listed
MH00000588	Order of AHEPA Fraternal Hall & Church	Unevaluated	
MH00000589		Unevaluated	
MH00000590		Unevaluated	
MH00000591		Unevaluated	
MH00000592		Unevaluated	
MH00000593		Unevaluated	
MH00000594		Unevaluated	
MH00000595		Unevaluated	
MH00000596		Unevaluated	
MH00000597		Unevaluated	
MH00000599		Unevaluated	
MH00000600	Johnson House	Unevaluated	
MH00000601		Unevaluated	
MH00000602	Lintree Apartments	Unevaluated	
MH00000603		Unevaluated	
MH00000604		Unevaluated	
MH00000605		Unevaluated	
MH00000606		Unevaluated	
MH00000607		Unevaluated	



MH00000608	Demolished	Unevaluated	
MH00000609		Unevaluated	
MH00000610	Pankow, Reynold House	NR Eligible	NR listed
MH00000611	First Church of Christ Scientist	Unevaluated	
MH00000612		Unevaluated	
MH00000613		Unevaluated	
MH00000614		Unevaluated	
MH00000615		Unevaluated	
MH00000616	Jones, Elbert Orlando and Etta, House	NR Eligible	
MH00000617	Glasgow, Alvah House	Unevaluated	
MH00000618	Church of St. Augusta	Unevaluated	
MH00000619	Day, Charles House	Unevaluated	
MH00000620		Unevaluated	
MH00000621	DeLong, Harrison House	NR Eligible	NR listed
MH00000622		Unevaluated	
MH00000623		Unevaluated	
MH00000624	?	Unevaluated	
MH00000625		NR Eligible	
MH00000626		Unevaluated	
MH00000627	Beach, William	Unevaluated	
MH00000628	Sedgwick, Harry	Unevaluated	
MH00000629		Unevaluated	
MH00000630	Dutch Revival Apartments Blds / Wyman Apartments	Not Eligible	
MH00000631		Unevaluated	
MH00000632	Wyman & Whitney House	Unevaluated	
MH00000633	Alderson, John K., House	Unevaluated	
MH00000634	Alderson House	Unevaluated	
MH00000635		Unevaluated	
MH00000636	Lindseth House	Unevaluated	
MH00000637		Unevaluated	
MH00000638	Marble Manor	Unevaluated	
MH00000639	Livingston, Joseph House	Unevaluated	
MH00000640		Unevaluated	
MH00000641	House	NR Eligible	
MH00000642	House	NR Eligible	
MH00000643	House	NR Eligible	
MH00000644	Culver, Charles House	NR Eligible	
MH00000645	House	NR Eligible	
MH00000646	Free Methodist Church	Unevaluated	
MH00000647		Unevaluated	
MH00000648		Unevaluated	
MH00000649		Unevaluated	

MH00000650		Unevaluated
MH00000651		Unevaluated
MH00000652		Unevaluated
MH00000655	Johnson, A. J., Home	Unevaluated
MH00000656	Norton, C. L.	Unevaluated
MH00000657	Becher, Jacob House	Unevaluated
MH00000658	Mclver, H. H.	Unevaluated
MH00000659	Ross, Thomas Home	Unevaluated
MH00000660	Barnett, Richard Home	Not Eligible
MH00000665	Allison, Wirt	Unevaluated
MH00000667	Homan, Henry	Unevaluated
MH00000669	Dalton, A. E.	Unevaluated
MH00000673		Unevaluated
MH00000674		Unevaluated
MH00000675	Goehring, Philip	Unevaluated
MH00000680		Unevaluated
MH00000681	?	Unevaluated
MH00000688	Kolsch, William	Unevaluated
MH00000689	Sawyer, Abe	Unevaluated
MH00000692		Unevaluated
MH00000696	Fitzgerald, J. J.	Unevaluated
MH00000697	Hartman Home	Unevaluated
MH00000698	Thorpe, David House	Unevaluated
MH00000700	Napier, Edward Home	Unevaluated
MH00000701		Unevaluated
MH00000702		Unevaluated
MH00000703	St. John"s Baptist Church	Unevaluated
MH00000704		Unevaluated
MH00000709	Wulff, W. L. Home	Unevaluated
MH00000710		Unevaluated
MH00000711		Unevaluated
MH00000712		Unevaluated
MH00000719		Unevaluated
MH00000720		Unevaluated
MH00000723		Unevaluated
MH00000724		Unevaluated
MH00000728		Unevaluated
MH00000730		Unevaluated
MH00000731		Unevaluated
MH00000732		Unevaluated
MH00000736	Olson, Charles	Unevaluated
MH00000737	Cressy, John Home	Unevaluated
MH00000738	Van Eps, Inez House	Not Eligible

MH00000739	Craig, J. W., Home	Unevaluated
MH00000740		Unevaluated
MH00000741		Unevaluated
MH00000747		Unevaluated
MH00000763		Unevaluated
MH00000776	Mount Zion Temple	Unevaluated
MH00000788	933 West Ninth Street	NR Eligible
MH00000789	?	Unevaluated
MH00000791		Unevaluated
MH00000792	?	Unevaluated
MH00000793		Unevaluated
MH00000794	Ward-Perry House	Unevaluated
MH00000795	?	Unevaluated
MH00000796	?	Unevaluated
MH00000797	?	Unevaluated
MH00000798		Unevaluated
MH00000799	?	Unevaluated
MH00000800	?	Unevaluated
MH00000802	?	Unevaluated
MH00000803		Unevaluated
MH00000804	?	Unevaluated
MH00000805	?	Unevaluated
MH00000806		Unevaluated
MH00000807	?	Unevaluated
MH00000808	Fawicks Shop	Unevaluated
MH00000809	Fawick, Thomas House	Unevaluated
MH00000810	Apartment Building	Unevaluated
MH00000811		Unevaluated
MH00000812		Unevaluated
MH00000813	?	Unevaluated
MH00000814	?	Unevaluated
MH00000815	?	Unevaluated
MH00000816		Unevaluated
MH00000817	Residence	Unevaluated
MH00000818		Unevaluated
MH00000819		Unevaluated
MH00000820	615 S WALTZ AVE	Unevaluated
MH00000822	714 S WALTZ AVE	Unevaluated
MH00000824	734 S WALTZ AVE	Unevaluated
MH00000827		Unevaluated
MH00000828	641 S PRAIRIE AVE	Unevaluated
MH00000829		Unevaluated
MH00000830	603 S PRAIRIE AVE	Unevaluated

MH00000831		Unevaluated	
MH00000832		Unevaluated	
MH00000833		Unevaluated	
MH00000834		Unevaluated	
MH00000835	Lowell School	Unevaluated	
MH00000836	Simons, Seymour	Unevaluated	
MH00000837	Morris, J. O. Home	Unevaluated	
MH00000838		Unevaluated	
MH00000842	Econ-O-Wash	Unevaluated	
MH00000843		Unevaluated	
MH00000844	Barnett Funeral Home	Unevaluated	
MH00000845	704 S SPRING AVE	Unevaluated	
MH00000846	705 S SPRING AVE	Unevaluated	
MH00000847	707 S SPRING AVE	Unevaluated	
MH00000848		Unevaluated	
MH00000849		Unevaluated	
MH00000850	732 S SPRING AVE	Unevaluated	
MH00000851	Webber House	Unevaluated	
MH00000852		Unevaluated	
MH00000853		Unevaluated	
MH00000854		Unevaluated	
MH00000855	718 S PRAIRIE AVE	Unevaluated	
MH00000856	?	Unevaluated	
MH00000857		Unevaluated	
MH00000858		Unevaluated	
MH00000859		Unevaluated	
MH00000860		Unevaluated	
MH00000861		Unevaluated	
MH00000862		Unevaluated	
MH00000863		Unevaluated	
MH00000864		Unevaluated	
MH00000865	730 S SUMMIT AVE	Unevaluated	
MH00000866	736 S SUMMIT AVE	Unevaluated	
MH00000867		Unevaluated	
MH00000868		Unevaluated	
MH00000869		Unevaluated	
MH00000993	YMCA	Unevaluated	
MH00000997	YWCA	Not Eligible	
MH00001002	Scott Printing Building	NR Eligible	NR listed
MH00001004	Wingert Furniture & Radio Shop	Unevaluated	
MH00001009	Texaco Super Service Station	NR Eligible	NR listed
MH00001010	Wilson Oil Co. Service Station	Unevaluated	
MH00001013	Reinius, Sherman E. Building	Unevaluated	

MH00001022	Three-Family Residence	NR Eligible	
MH00001023	Main Post Office	Unevaluated	
MH00001031	Three-Family Residence	NR Eligible	
MH00001032	Three-Family Residence	NR Eligible	
MH00001033	Three-Family Residence	NR Eligible	
MH00001034	Three family residence	NR Eligible	
MH00001040	Calumet Block	NR Eligible	NR listed
MH00001042	Schroyer Clinic	Unevaluated	
MH00001043	Three-Family Residence	NR Eligible	
MH00001044	Laundromat #2	Unevaluated	
MH00001045	Three-Family Residence	NR Eligible	
MH00001046	Dunn, Harold E. House	Unevaluated	
MH00001047	Flynn, John M., House	Unevaluated	
MH00001048	Lee, James C. House	Unevaluated	
MH00001049	Loffer, Harvey I., House	Unevaluated	
MH00001050	Three-Family Residence	NR Eligible	
MH00001051	Coon auto Company Garage	Not Eligible	
MH00001052	Edmunds Brake & Auto Service Garage	Unevaluated	
MH00001269	Three-Family Residence	NR Eligible	
MH00001271	Austin P. Ode Farm	NR Eligible	
MH00001272	Gullick Risty Farm	NR Eligible	
MH00001273	Ingebrigt Nelson Farm	NR Eligible	
MH00001302	Parsonage	NR Eligible	
MH00001332	House	NR Eligible	
MH00001333	R.C./Ruth Eastin House	NR Eligible	
MH00001334	Nels/Signe Graff House	NR Eligible	
MH00001335	L.D. Kepple House	NR Eligible	
MH00001336	Erik Burkman House	NR Eligible	
MH00001337	Charles Johnson House	NR Eligible	
MH00001338	Louis Peterson House	Not Eligible	
MH00001339	House	NR Eligible	
MH00001340	House	NR Eligible	
MH00001341	Warehouse	NR Eligible	
MH00001361	Rhea, David A. House	Unevaluated	
MH00001366	Mandy's Home Farm Barn	NR Eligible	SR listed
MH00001368	Blackstone Apartment Building	Not Eligible	Removed
MH00001369	Nelson, Oliver Home	NR Eligible	NR listed
MH00001375	Brooks Brothers Home	NR Eligible	NR listed
MH00001379	Lund, Daniel	NR Eligible	NR listed
MH00001383	First Congregational Church	NR Eligible	NR listed
MH00001385	Mt. Pleasant Chapel	NR Eligible	NR listed
MH00001387	223 South Prairie Avenue	NR Eligible	NR listed
MH00001388	Depot	NR Eligible	NR listed

MH00001389	LaSalle Apartments	NR Eligible	NR listed
MH00001393	Sioux Falls Community Playhouse	NR Eligible	NR listed
MH00001395	Presentation Children's Home	NR Eligible	NR listed
MH00001396		NR Eligible	NR listed
MH00001397	Salvation Army Thrift Store	NR Eligible	NR listed
MH00001401	Depot	NR Eligible	NR listed
MH00001408	Northern States Power (NSP) Building	NR Eligible	NR listed
MH00001409	100 North Phillips Building	NR Eligible	NR listed
MH00001410		NR Eligible	NR listed
MH00001412	Fire House	NR Eligible	NR listed
MH00001413	Terminal Building	NR Eligible	SR listed
MH00001414	Highstrom, Glen G. House	NR Eligible	NR listed
MH00001420	817 West Ninth Street	Not Eligible	
MH00001422	Dutch Revival Apartments Buildings	Not Eligible	
MH00001423		NR Eligible	
MH00001425	411-415 N. Prairie Ave.	SR Eligible	SR listed
MH00001427	Risinger home	Not Eligible	NR listed
MH00001428	England home	NR Eligible	NR listed
MH00001431	Dale home	Not Eligible	NR listed
MH00001432	Shaw home	NR Eligible	NR listed
MH00001434	McCarthy home	NR Eligible	NR listed
MH00001435	Green home	Not Eligible	NR listed
MH00001445	Whitfield home	NR Eligible	NR listed
MH00001446	Neister home	NR Eligible	NR listed
MH00001447	Schmitt home	Not Eligible	NR listed
MH00001448	Powell home	NR Eligible	NR listed
MH00001449	Archer home	NR Eligible	NR listed
MH00001450	Lougee home	NR Eligible	NR listed
MH00001451	Eastman home	Not Eligible	NR listed
MH00001452	Durant home	NR Eligible	NR listed
MH00001453	Dale home	NR Eligible	NR listed
MH00001454	Pfeifer home	NR Eligible	NR listed
MH00001455	Whisman home	NR Eligible	NR listed
MH00001456	Manchester home	NR Eligible	NR listed
MH00001458	Hardimon home	NR Eligible	NR listed
MH00001462	Becker home	Not Eligible	NR listed
MH00001465	Johnson Home	NR Eligible	NR listed
MH00001466	Pankow home	NR Eligible	NR listed
MH00001467	Hein home	NR Eligible	NR listed
MH00001468	Brovan home	NR Eligible	NR listed
MH00001469	Hawkins home	NR Eligible	NR listed
MH00001470	Dunning home	NR Eligible	NR listed
MH00001471	Einung home	NR Eligible	NR listed

MH00001472	Hobart Home	NR Eligible	NR listed
MH00001474	Straight Home	NR Eligible	NR listed
MH00001483	Dodds Home	NR Eligible	NR listed
MH00001484	Dempster home	NR Eligible	NR listed
MH00001485	Beach home	NR Eligible	NR listed
MH00001487	Morgan home	Not Eligible	NR listed
MH00001488	Baysore home	Not Eligible	
MH00001489	Chandler home	NR Eligible	NR listed
MH00001490	Lane home	NR Eligible	NR listed
MH00001491	Rinder home	NR Eligible	NR listed
MH00001492	Sundal home	NR Eligible	NR listed
MH00001493	Ogborn home	NR Eligible	NR listed
MH00001494	Manchester home	NR Eligible	NR listed
MH00001495	Dailey home	NR Eligible	NR listed
MH00001499	Carlson home	NR Eligible	NR listed
MH00001563	Tuthill Lumber Company	NR Eligible	NR listed
MH00001674	House	Not Eligible	
MH00001675	Eastside Lutheran Church	Not Eligible	
MH00001678	Eugene Field Elementary School	Not Eligible	
MH00001714	608 S Highland Avenue	Not Eligible	
MH00001720	St. Joseph Cathedral School	NR Eligible	
MH00001721	421 North Spring Avenue	Not Eligible	
MH00001722	916 West Tenth Street	Not Eligible	
MH00001723	Hubert Loonan House (OB)	NR Eligible	
MH00001724	921 West Tenth Street	Not Eligible	
MH00001725	422 North Duluth Avenue	NR Eligible	
MH00001726	107 South Duluth Avenue	Not Eligible	
MH00001727	120 South Summit Avenue	NR Eligible	
MH00001728	900 West Eleventh Street	Not Eligible	
MH00001729	818 West Eleventh Street	NR Eligible	
MH00001730	110 North Duluth Avenue	NR Eligible	
MH00001731	800-802 West Eleventh Street	Not Eligible	
MH00001732	724 West Eleventh Street	NR Eligible	
MH00001733	720 West Eleventh Street	NR Eligible	
MH00001734	622 West Eleventh Street	NR Eligible	
MH00001735	706 West Eleventh Street	NR Eligible	
MH00001736	514-516 West Eleventh Street	NR Eligible	
MH00001739	707-709 West Eighth Street	Not Eligible	
MH00001740	216 South Walts Avenue	Not Eligible	
MH00001741	208 South Walts Avenue	NR Eligible	
MH00001742	107 South Walts Avenue	NR Eligible	
MH00001743	103 South Walts Avenue	NR Eligible	
MH00001744	101 South Walts Avenue	NR Eligible	

MH00001745	219 South Prairie Avenue	Not Eligible	
MH00001746	215 South Prairie Avenue	Not Eligible	
MH00001747	205 South Prairie Avenue	NR Eligible	
MH00001748	203 South Prairie Avenue	NR Eligible	
MH00001749	201 South Prairie Avenue	NR Eligible	
MH00001750	221 South Summit Avenue	NR Eligible	
MH00001751	221 South Summit Avenue	NR Eligible	
MH00001752	217 South Summit Avenue	Not Eligible	
MH00001753	215 South Summit Avenue	NR Eligible	
MH00001754	207 South Summit Avenue	Not Eligible	
MH00001755	201-203 South Summit Avenue	NR Eligible	
MH00001756	232 South Duluth Avenue	NR Eligible	
MH00001757	228-230 South Duluth Avenue	NR Eligible	
MH00001758	227 South Duluth Avenue	Not Eligible	
MH00001759	216 North Duluth Avenue	Not Eligible	
MH00001760	210 South Duluth Avenue	NR Eligible	
MH00001761	205-207 South Duluth Avenue	NR Eligible	
MH00001762	217 South Spring Avenue	Not Eligible	
MH00001763	213 South Spring Avenue	NR Eligible	
MH00001766	901 West Tenth Street	Not Eligible	
MH00001767	825 West Tenth Street	Not Eligible	
MH00001768	824 West Tenth Street	NR Eligible	
MH00001769	737 West Tenth Street	Not Eligible	
MH00001770	735 West Tenth Street	NR Eligible	
MH00001771	911 West Ninth Street	Not Eligible	
MH00001772	831 West Ninth Street	Not Eligible	
MH00001774	505 West Seventh Street	Not Eligible	
MH00001775	330 North Prairie Avenue	NR Eligible	
MH00001776	316 North Prairie Avenue	NR Eligible	
MH00001777	217 North Prairie Avenue	NR Eligible	
MH00001778	100 South Prairie Avenue	Not Eligible	NR listed
MH00001779	416 North Summit Avenue	NR Eligible	
MH00001780	217 North Spring Avenue	NR Eligible	
MH00001781	910 West Tenth Street	NR Eligible	
MH00001782	818 West Tenth Street	NR Eligible	
MH00001783	808 West Tenth Street	NR Eligible	
MH00001784	627 West Tenth Street	Not Eligible	
MH00001785	601 West Tenth Street	Not Eligible	
MH00001786	523 West Tenth Street	Not Eligible	
MH00001787	517-519 West Tenth Street	Not Eligible	
MH00001788	507 West Tenth Street	Not Eligible	
MH00001789	816 West Eleventh Street	Not Eligible	
MH00001790	716 1/2 West Eleventh Street	Not Eligible	



MH00001791	716 West Eleventh Street	Not Eligible
MH00001792	702 West Eleventh Street	Not Eligible
MH00001793	512 West Eleventh Street	NR Eligible
MH00001794	909 West Ninth Street	NR Eligible
MH00001797	118 South Walts Avenue	Not Eligible
MH00001798	112 South Walts Avenue	NR Eligible
MH00001799	108 South Walts Avenue	NR Eligible
MH00001800	225 South Duluth Avenue	NR Eligible
MH00001801	223 South Duluth Avenue	NR Eligible
MH00001802	220 South Prairie Avenue	NR Eligible
MH00001803	216 South Prairie Avenue	NR Eligible
MH00001804	218 South Prairie Avenue	NR Eligible
MH00001805	210 South Prairie Avenue	NR Eligible
MH00001950	301 S PRAIRIE AVE	Unevaluated
MH00001951	301 S SUMMIT AVE	Unevaluated
MH00001952	304 S WALTS AVE	Unevaluated
MH00001953	307 S SUMMIT AVE	Unevaluated
MH00001954	308 S WALTS AVE	Unevaluated
MH00001955	309 S PRAIRIE AVE	Unevaluated
MH00001956	311 S WALTS AVE	Unevaluated
MH00001957	316 S PRAIRIE AVE	Unevaluated
MH00001958	316 S WALTS AVE	Unevaluated
MH00001959	317 S WALTS AVE	Unevaluated
MH00001960	318 S PRAIRIE AVE	Unevaluated
MH00001961	320 S PRAIRIE AVE	Unevaluated
MH00001962	321 S WALTS AVE	Unevaluated
MH00001964	327 S SPRING AVE	Unevaluated
MH00001967	403 S WALTS AVE	Unevaluated
MH00001968	405 S WALTS AVE	Unevaluated
MH00001970	408 S WALTS AVE	Unevaluated
MH00001971	409 S PRAIRIE AVE	Unevaluated
MH00001972	409 S WALTS AVE	Unevaluated
MH00001976	?	Unevaluated
MH00001977	413 S WALTS AVE	Unevaluated
MH00001979	414 S WALTS AVE	Unevaluated
MH00001980	414 W 12TH ST	Unevaluated
MH00001981	415 S PRAIRIE AVE	Unevaluated
MH00001982	415 S WALTS AVE	Unevaluated
MH00001983	?	Unevaluated
MH00001984	?	Unevaluated
MH00001986	416 S PRAIRIE AVE	Unevaluated
MH00001987	417 S WALTS AVE	Unevaluated
MH00001988	?	Unevaluated

MH00001989	421 S PRAIRIE AVE	Unevaluated
MH00001990	?	Unevaluated
MH00001991	423 S SUMMIT AVE	Unevaluated
MH00001992	425 S PRAIRIE AVE	Unevaluated
MH00001993	?	Unevaluated
MH00001996	500 S SPRING AVE	Unevaluated
MH00001997	500 S SUMMIT AVE	Unevaluated
MH00001999	501 S MINNESOTA AVE	Unevaluated
MH00002000	501 S SUMMIT AVE	Unevaluated
MH00002002	?	Unevaluated
MH00002004	?	Unevaluated
MH00002006	?	Unevaluated
MH00002009	505 S SPRING AVE	Unevaluated
MH00002011	506 S SPRING AVE	Unevaluated
MH00002012	506 S SUMMIT AVE	Unevaluated
MH00002015	508 S SUMMIT AVE	Unevaluated
MH00002018	?	Unevaluated
MH00002020	511 S SPRING AVE	Unevaluated
MH00002021	?	Unevaluated
MH00002023	512 S SUMMIT AVE	Unevaluated
MH00002024	513 S WALTZ AVE	Unevaluated
MH00002025	514 S WALTZ AVE	Unevaluated
MH00002026	?	Unevaluated
MH00002027	?	Unevaluated
MH00002028	515 S PRAIRIE AVE	Unevaluated
MH00002029	515 S SUMMIT AVE	Unevaluated
MH00002030	515 S WALTZ AVE	Unevaluated
MH00002031	?	Unevaluated
MH00002033	516 S SPRING AVE	Unevaluated
MH00002034	516 S SUMMIT AVE	Unevaluated
MH00002035	517 S SPRING AVE	Unevaluated
MH00002037	518 S WALTZ AVE	Unevaluated
MH00002038	?	Unevaluated
MH00002039	?	Unevaluated
MH00002041	520 S WALTZ AVE	Unevaluated
MH00002042	?	Unevaluated
MH00002043	522 S WALTZ AVE	Unevaluated
MH00002044	?	Unevaluated
MH00002048	532 S PRAIRIE AVE	Unevaluated
MH00002050	600 S WALTZ AVE	Unevaluated
MH00002051	?	Unevaluated
MH00002053	601 S PRAIRIE AVE	Unevaluated
MH00002054	601 S WALTZ AVE	Unevaluated

MH00002056	603 S WALTZ AVE	Unevaluated
MH00002058	604 S WALTZ AVE	Unevaluated
MH00002059	605 S PRAIRIE AVE	Unevaluated
MH00002060	606 S WALTZ AVE	Unevaluated
MH00002061	?	Unevaluated
MH00002063	607 S PRAIRIE AVE	Unevaluated
MH00002064	607 S WALTZ AVE	Unevaluated
MH00002065	?	Unevaluated
MH00002066	?	Unevaluated
MH00002069	609 S SPRING AVE	Unevaluated
MH00002070	609 S WALTZ AVE	Unevaluated
MH00002073	610 S WALTZ AVE	Unevaluated
MH00002074	611 S WALTZ AVE	Unevaluated
MH00002075	?	Unevaluated
MH00002077	613 S SPRING AVE	Unevaluated
MH00002078	?	Unevaluated
MH00002079	?	Unevaluated
MH00002080	?	Unevaluated
MH00002081	?	Unevaluated
MH00002082	?	Unevaluated
MH00002083	?	Unevaluated
MH00002084	617 S SPRING AVE	Unevaluated
MH00002085	617 S WALTZ AVE	Unevaluated
MH00002086	618 S PRAIRIE AVE	Unevaluated
MH00002087	?	Unevaluated
MH00002088	619 S SUMMIT AVE	Unevaluated
MH00002089	?	Unevaluated
MH00002090	?	Unevaluated
MH00002091	?	Unevaluated
MH00002092	?	Unevaluated
MH00002093	?	Unevaluated
MH00002094	624 S PRAIRIE AVE	Unevaluated
MH00002095	?	Unevaluated
MH00002096	625 S SUMMIT AVE	Unevaluated
MH00002097	?	Unevaluated
MH00002098	626 S PRAIRIE AVE	Unevaluated
MH00002099	?	Unevaluated
MH00002100	627 S SPRING AVE	Unevaluated
MH00002101	?	Unevaluated
MH00002102	?	Unevaluated
MH00002103	629 S SPRING AVE	Unevaluated
MH00002104	?	Unevaluated
MH00002106	700 S SPRING AVE	Unevaluated

MH00002107	?	Unevaluated
MH00002109	701 S MINNESOTA AVE	Unevaluated
MH00002110	701 S PRAIRIE AVE	Unevaluated
MH00002111	701 S SPRING AVE	Unevaluated
MH00002113	?	Unevaluated
MH00002114	702 S SPRING AVE	Unevaluated
MH00002116	703 S SPRING AVE	Unevaluated
MH00002117	?	Unevaluated
MH00002118	?	Unevaluated
MH00002120	705 S MINNESOTA AVE	Unevaluated
MH00002121	?	Unevaluated
MH00002123	706 S WALTZ AVE	Unevaluated
MH00002124	?	Unevaluated
MH00002127	708 S WALTZ AVE	Unevaluated
MH00002129	?	Unevaluated
MH00002132	710 S WALTZ AVE	Unevaluated
MH00002135	712 S WALTZ AVE	Unevaluated
MH00002136	?	Unevaluated
MH00002137	?	Unevaluated
MH00002138	?	Unevaluated
MH00002142	?	Unevaluated
MH00002143	?	Unevaluated
MH00002144	?	Unevaluated
MH00002147	?	Unevaluated
MH00002148	?	Unevaluated
MH00002149	?	Unevaluated
MH00002151	716 S PRAIRIE AVE	Unevaluated
MH00002152	716 S WALTZ AVE	Unevaluated
MH00002153	?	Unevaluated
MH00002154	?	Unevaluated
MH00002155	?	Unevaluated
MH00002157	?	Unevaluated
MH00002159	718 S SUMMIT AVE	Unevaluated
MH00002160	?	Unevaluated
MH00002161	?	Unevaluated
MH00002162	?	Unevaluated
MH00002163	?	Unevaluated
MH00002165	?	Unevaluated
MH00002166	721 S PRAIRIE AVE	Unevaluated
MH00002167	721 S SUMMIT AVE	Unevaluated
MH00002168	?	Unevaluated
MH00002169	?	Unevaluated
MH00002170	722 S PRAIRIE AVE	Unevaluated

MH00002171	722 S SUMMIT AVE	Unevaluated
MH00002172	?	Unevaluated
MH00002173	724 S PRAIRIE AVE	Unevaluated
MH00002174	724 S SUMMIT AVE	Unevaluated
MH00002175	?	Unevaluated
MH00002176	?	Unevaluated
MH00002177	725 S PRAIRIE AVE	Unevaluated
MH00002178	?	Unevaluated
MH00002179	?	Unevaluated
MH00002180	727 S PRAIRIE AVE	Unevaluated
MH00002181	727 S SPRING AVE	Unevaluated
MH00002182	?	Unevaluated
MH00002183	728 S SPRING AVE	Unevaluated
MH00002184	729 S PRAIRIE AVE	Unevaluated
MH00002185	729 S SUMMIT AVE	Unevaluated
MH00002186	730 S SPRING AVE	Unevaluated
MH00002187	731 S PRAIRIE AVE	Unevaluated
MH00002188	731 S SUMMIT AVE	Unevaluated
MH00002189	732 S SUMMIT AVE	Unevaluated
MH00002191	735 S SUMMIT AVE	Unevaluated
MH00002192	?	Unevaluated
MH00002193	?	Unevaluated
MH00002194	?	Unevaluated
MH00002195	?	Unevaluated
MH00002196	?	Unevaluated
MH00002197	?	Unevaluated
MH00002198	?	Unevaluated
MH00002199	?	Unevaluated
MH00002200	?	Unevaluated
MH00002201	?	Unevaluated
MH00002202	?	Unevaluated
MH00002203	?	Unevaluated
MH00002204	?	Unevaluated
MH00002205	?	Unevaluated
MH00002206	?	Unevaluated
MH00002207	?	Unevaluated
MH00002208	?	Unevaluated
MH00002209	?	Unevaluated
MH00002210	?	Unevaluated
MH00002211	?	Unevaluated
MH00002212	?	Unevaluated
MH00002213	?	Unevaluated
MH00002214	?	Unevaluated

MH00002215	?	Unevaluated	
MH00002216	?	Unevaluated	
MH00002217	?	Unevaluated	
MH00002219	?	Unevaluated	
MH00002221	?	Unevaluated	
MH00002222	?	Unevaluated	
MH00002227	?	Unevaluated	
MH00002245	Scott House	NR Eligible	
MH00002262	Great Northern Freight House Addition	NR Eligible	
MH00002264	Sioux Falls Boiler Works	Unevaluated	
MH00002296	705 S PRAIRIE AVE	Unevaluated	
MH00002297	Garage, 705 S Prairie Ave	Unevaluated	
MH00002299	806-808 W 15TH ST	Unevaluated	
MH00002300	Garage, 806-808 W 15th St	Unevaluated	
MH00002301	816 W 15TH ST	Unevaluated	
MH00002302	Garage/Shed, 816 W 15th	Unevaluated	
MH00002303	501 S WALTS AVE	Not Eligible	
MH00002304	501 S WALTS AVE, secondary	Unevaluated	
MH00002305	501 S WALTS AVE, garage	Unevaluated	
MH00002349	U.S. Bank Building	NR Eligible	
MH00002382	Skoug Candy Company	Not Eligible	
MH00002397	Frances Howe House	Not Eligible	
MH00002435	Lunn Apartments	NR Eligible	
MH00100001	1200 South Second Avenue	NR Eligible	NR listed
MH00100002	1010-12 South Phillips Avenue	NR Eligible	NR listed
MH00100003	Grannis, Cyrus W., House	NR Eligible	NR listed
MH00100004	1012 South First Avenue	NR Eligible	NR listed
MH00100005	1017 South First Avenue	NR Eligible	NR listed
MH00100006	1218 South First Avenue	NR Eligible	NR listed
MH00100007	1101 South Second Avenue	NR Eligible	NR listed
MH00100008	Beach, A. Harry, House	NR Eligible	NR listed
MH00100009	Dennis, Roger, House	NR Eligible	NR listed
MH00100010	114 East 20th Street	NR Eligible	NR listed
MH00100011	302 East 19th Street	NR Eligible	NR listed
MH00100012	304 East 19th Street	NR Eligible	NR listed
MH00100013	1008 South Phillips Avenue	NR Eligible	NR listed
MH00100014	312 East 19th Street	NR Eligible	NR listed
MH00100015	Christienson, Sivert A., House	NR Eligible	NR listed
MH00100016	1004 South Third Avenue	Not Eligible	NR listed
MH00100017	1006 South Third Avenue	NR Eligible	NR listed
MH00100018	1102 South Second Avenue	NR Eligible	NR listed
MH00100019	Christopherson, Charles A., House	NR Eligible	NR listed
MH00100020	1112 South Second Avenue	NR Eligible	NR listed

MH00100021	1111 South Second Avenue	NR Eligible	NR listed
MH00100022	1109 South Second Avenue	NR Eligible	NR listed
MH00100023	1100 South Second Avenue	NR Eligible	NR listed
MH00100024	1015 South Phillips Avenue	NR Eligible	NR listed
MH00100025	1220 South First Avenue	NR Eligible	NR listed
MH00100026	108 East 20th Street	NR Eligible	NR listed
MH00100027	1021 South First Avenue	NR Eligible	NR listed
MH00100028	Samual Spier House	NR Eligible	NR listed
MH00100029	430 East 20th Street	NR Eligible	NR listed
MH00100030	423 East 20th Street	NR Eligible	NR listed
MH00100031	426 East 20th Street	NR Eligible	NR listed
MH00100032	402 East 20th Street	NR Eligible	NR listed
MH00100033	305 East 20th Street	NR Eligible	NR listed
MH00100034	305 East 20th Street	NR Eligible	NR listed
MH00100035	205 East 20th Street	NR Eligible	NR listed
MH00100036	1215 South Phillips Avenue	NR Eligible	NR listed
MH00100037	1314 South Phillips Avenue	NR Eligible	NR listed
MH00100038	711-713 South First Avenue	NR Eligible	NR listed
MH00100039	803 South Phillips Avenue	NR Eligible	NR listed
MH00100040	703 South First Avenue	NR Eligible	NR listed
MH00100041	1212 South Phillips Avenue	NR Eligible	NR listed
MH00100042	801 South Phillips Avenue	NR Eligible	NR listed
MH00100043	719 South Phillips Avenue	NR Eligible	NR listed
MH00100044	1009 South First Avenue	NR Eligible	NR listed
MH00100045	1316 South Phillips Avenue	NR Eligible	NR listed
MH00100046	1312 South Phillips Avenue	NR Eligible	NR listed
MH00100047	1308-1310 South Phillips Avenue	NR Eligible	NR listed
MH00100048	619 South Phillips Avenue	NR Eligible	NR listed
MH00100049	1301 South Phillips Avenue	NR Eligible	NR listed
MH00100050	200 East 23rd Street	NR Eligible	NR listed
MH00100051	1211 South Phillips Avenue	NR Eligible	NR listed
MH00100052	615 South First Avenue	NR Eligible	NR listed
MH00100053	1203 South Phillips Avenue	NR Eligible	NR listed
MH00100054	606 South First Avenue	NR Eligible	NR listed
MH00100055	1103 South Phillips Avenue	NR Eligible	NR listed
MH00100056	720 South First Avenue	NR Eligible	NR listed
MH00100057	Bell, Russell, House	NR Eligible	NR listed
MH00100058	1005 South First Avenue	NR Eligible	NR listed
MH00100059	1016 South Phillips Avenue	NR Eligible	NR listed
MH00100060	916 South First Avenue	NR Eligible	NR listed
MH00100061	914 South First Avenue	NR Eligible	NR listed
MH00100062	911 South First Avenue	NR Eligible	NR listed
MH00100063	808 South Phillips Avenue	NR Eligible	NR listed

MH00100064	Baker, W. L., House	NR Eligible	NR listed
MH00100065	930 South Phillips Avenue	NR Eligible	NR listed
MH00100066	Glidden, Daniel Duplex	NR Eligible	NR listed
MH00100067	821 South First Avenue	NR Eligible	NR listed
MH00100068	311 East 19th Street	NR Eligible	NR listed
MH00100069	415 East 19th Street	NR Eligible	NR listed
MH00100070	Jewett, Clinton, D., House	NR Eligible	NR listed
MH00100071	1306 South Phillips Avenue	NR Eligible	NR listed
MH00100072	533 East 20th Street	NR Eligible	NR listed
MH00100073	1022 South Phillips Avenue	NR Eligible	NR listed
MH00100074	204 East 19th Street	NR Eligible	NR listed
MH00100075	804-806 South First Avenue	NR Eligible	NR listed
MH00100076	810 South First Avenue	NR Eligible	NR listed
MH00100077	Perkins, Robert, House	NR Eligible	NR listed
MH00100078	1122 South Second Avenue	NR Eligible	NR listed
MH00100079	1117 South Second Avenue	NR Eligible	NR listed
MH00100080	1203 South Second Avenue	NR Eligible	NR listed
MH00100081	1113 South Second Avenue	NR Eligible	NR listed
MH00100082	829 South First Avenue	NR Eligible	NR listed
MH00100083	1018-20 South First Avenue	NR Eligible	NR listed
MH00100084	834 South Phillips Avenue	NR Eligible	NR listed
MH00100085	Caillie, Louis, House	NR Eligible	NR listed
MH00100086	315 East 18th Street	NR Eligible	NR listed
MH00100087	912 South First Avenue	NR Eligible	NR listed
MH00100088	1204 South Fourth Avenue	NR Eligible	NR listed
MH00100089	1200 South Fourth Avenue	NR Eligible	NR listed
MH00100090	1113 South Fourth Avenue	NR Eligible	NR listed
MH00100091	1205 South Second Avenue	NR Eligible	NR listed
MH00100092	610 South First Avenue	NR Eligible	NR listed
MH00100093	617 South First Avenue	NR Eligible	NR listed
MH00100094	707-709 South First Avenue	NR Eligible	NR listed
MH00100095	719-721 South First Avenue	NR Eligible	NR listed
MH00100096	728 South First Avenue	NR Eligible	NR listed
MH00100097	730 South First Avenue	NR Eligible	NR listed
MH00100098	732 South First Avenue	NR Eligible	NR listed
MH00100099	736 South First Avenue	NR Eligible	NR listed
MH00100100	1002 South First Avenue	NR Eligible	NR listed
MH00100101	Dunham Hospital Building	NR Eligible	NR listed
MH00100102	1008 South First Avenue	NR Eligible	NR listed
MH00100103	1215 South First Avenue	NR Eligible	NR listed
MH00100104	Swenson, Erick, House	NR Eligible	NR listed
MH00100105	114 South First Avenue	NR Eligible	NR listed
MH00100106	1112 South First Avenue	NR Eligible	NR listed



MH00100107	1100 South First Avenue	NR Eligible	NR listed
MH00100108	1019 South First Avenue	NR Eligible	NR listed
MH00100109	614-616 South First Avenue	NR Eligible	NR listed
MH00100110	739 South First Avenue	NR Eligible	NR listed
MH00100111	1207 South Second Avenue	NR Eligible	NR listed
MH00100112	918 South First Avenue	NR Eligible	NR listed
MH00100113	1019 South Third Avenue	NR Eligible	NR listed
MH00100114	1017 South Third Avenue	NR Eligible	NR listed
MH00100115	611-611 1/2 South First Avenue	NR Eligible	NR listed
MH00100116	603-605 South First Avenue	NR Eligible	NR listed
MH00100117	1003 South Third Avenue	NR Eligible	NR listed
MH00100118	602 South First Avenue	NR Eligible	NR listed
MH00100119	1201 South Third Avenue	NR Eligible	NR listed
MH00100120	1220 South Second Avenue	NR Eligible	NR listed
MH00100121	1205 South Fourth Avenue	NR Eligible	NR listed
MH00100122	925 South First Avenue	NR Eligible	NR listed
MH00100123	1001 South First Avenue	NR Eligible	NR listed
MH00100124	Williams, Frank T., House	NR Eligible	NR listed
MH00100125	1303 South Phillips Avenue	NR Eligible	NR listed
MH00100126	Longfellow Elementary School	NR Eligible	NR listed
MH00100127	1201 South Second Avenue	NR Eligible	NR listed
MH00100128	100 East 23rd Street	NR Eligible	NR listed
MH00100129	1307 South Phillips Avenue	NR Eligible	NR listed
MH00100130	825 South First Avenue	NR Eligible	NR listed
MH00100131	Tornberg, Edward R., House	NR Eligible	NR listed
MH00100132	1206 South Third Avenue	NR Eligible	NR listed
MH00100133	Carlson, Henry, Home	NR Eligible	NR listed
MH00100134	Wenzlaff, Edgar, House	NR Eligible	NR listed
MH00100135	1011 South Third Avenue	NR Eligible	NR listed
MH00100136	1009 South Third Avenue	NR Eligible	NR listed
MH00100137	1001 South Third Avenue	Not Eligible	NR listed
MH00100138	1020 South Third Avenue	NR Eligible	NR listed
MH00100139	1008 South Third Avenue	NR Eligible	NR listed
MH00100140	1207 South Third Avenue	NR Eligible	NR listed
MH00100141	1000 South Third Avenue	NR Eligible	NR listed
MH00100142	830 South First Avenue	NR Eligible	NR listed
MH00100143	620 South First Avenue	NR Eligible	NR listed
MH00100144	915 South First Avenue	NR Eligible	NR listed
MH00100145	920 South First Avenue	NR Eligible	NR listed
MH00100146	1101 South Fourth Avenue	NR Eligible	NR listed
MH00100147	Stevenson, Thomas Y., House	NR Eligible	NR listed
MH00100148	1010 South Third Avenue	Not Eligible	NR listed
MH00100149	741 South First Avenue	NR Eligible	NR listed

MH00100150	609-609 1/2 South First Avenue	Not Eligible	NR listed
MH00100151	Women's Club, The	NR Eligible	NR listed
MH00100152	Dow, Wallace House	NR Eligible	NR listed
MH00100153	613 South First Avenue	NR Eligible	NR listed
MH00100154	Dow, Wallace Duplex	NR Eligible	NR listed
MH00100155	715 South First Avenue	NR Eligible	NR listed
MH00100156	808 South First Avenue	NR Eligible	NR listed
MH00100157	705 South Phillips Avenue	NR Eligible	NR listed
MH00100158	312 East 20th Street	NR Eligible	NR listed
MH00100159	400 East 20th Street	NR Eligible	NR listed
MH00100160	828 South First Avenue	NR Eligible	NR listed
MH00100161	717 South First Avenue	NR Eligible	NR listed
MH00100162	505 East 20th Street	NR Eligible	NR listed
MH00100163	727 South Phillips Avenue	NR Eligible	NR listed
MH00100164	913 South First Avenue	Not Eligible	NR listed
MH00100165	805-807 South First Avenue	Not Eligible	NR listed
MH00100166	Girton-Adams Ice Company	Not Eligible	NR listed
MH00100167	735 South First Avenue	Not Eligible	NR listed
MH00100168	731 South First Avenue	Not Eligible	NR listed
MH00100169	721 South Phillips Avenue	NR Eligible	NR listed
MH00100170	727 South First Avenue	NR Eligible	NR listed
MH00100171	Parmley, Harry T., House	NR Eligible	NR listed
MH00100172	712 South First Avenue	Not Eligible	NR listed
MH00100173	401 East 20th Street	NR Eligible	NR listed
MH00100174	All Saints School	NR Eligible	NR listed
MH00100175	928 South Phillips Avenue	NR Eligible	NR listed
MH00100176	929 South First Avenue	Not Eligible	NR listed
MH00100177	707 South Phillips Avenue	NR Eligible	NR listed
MH00100178	703 South Phillips Avenue	NR Eligible	NR listed
MH00100179	McKinney, Dennis House	NR Eligible	NR listed
MH00100180	922 South First Avenue	Not Eligible	NR listed
MH00100181	709 South Phillips Avenue	NR Eligible	NR listed
MH00100182	917 South First Avenue	Not Eligible	NR listed
MH00100183	715-717 South Phillips Avenue	NR Eligible	NR listed
MH00100184	1024 South First Avenue	Not Eligible	NR listed
MH00100185	Lyons Park	NR Eligible	NR listed
MH00100186	723-725 South Phillips Avenue	NR Eligible	NR listed
MH00100187	208 East 23rd Street	Not Eligible	NR listed
MH00100188	Schaetzel, Jacob Jr.	NR Eligible	NR listed
MH00100189	1101-1103 South First Avenue	Not Eligible	NR listed
MH00100190	1100 South Third Avenue	NR Eligible	NR listed
MH00100191	1216 South Fourth Avenue	Not Eligible	NR listed
MH00100192	Coughran, Edward House	NR Eligible	NR listed

MH00100193	910 South First Avenue	NR Eligible	NR listed
MH00100194	1205-1215 South Fifth Avenue	Not Eligible	NR listed
MH00100195	801-803 South First Avenue	NR Eligible	NR listed
MH00100196	1207 South Phillips Avenue	NR Eligible	NR listed
MH00100197	529-529 1/2 East 20th Street	Not Eligible	NR listed
MH00100198	714 South First Avenue	NR Eligible	NR listed
MH00100199	Kenwen Apartments	NR Eligible	NR listed
MH00100200	1106 South Third Avenue	NR Eligible	NR listed
MH00100201	607 South First Avenue	Not Eligible	NR listed
MH00100202	308 East 19th Street	NR Eligible	NR listed
MH00100203	718 South First Avenue	NR Eligible	NR listed
MH00100204	Koch Apartments	NR Eligible	NR listed
MH00100205	1212 South Fourth Avenue	NR Eligible	NR listed
MH00100206	1115 South Fourth Avenue	Not Eligible	NR listed
MH00100207	1103 South Fourth Avenue	NR Eligible	NR listed
MH00100208	1205 South Third Avenue	NR Eligible	NR listed
MH00100209	1111 South Third Avenue	NR Eligible	NR listed
MH00100210	1109 South Third Avenue	NR Eligible	NR listed
MH00100211	417 East 19th Street	NR Eligible	NR listed
MH00100212	750 South Phillips Avenue	NR Eligible	NR listed
MH00100213	315 East 19th Street	NR Eligible	NR listed
MH00100214	1102 South Third Avenue	NR Eligible	NR listed
MH00100215	1101 South Third Avenue	NR Eligible	NR listed
MH00100216	826 South First Avenue	NR Eligible	NR listed
MH00100217	762 South Phillips Avenue	NR Eligible	NR listed
MH00100218	802 South Phillips Avenue	NR Eligible	NR listed
MH00100219	805 South Phillips Avenue	NR Eligible	NR listed
MH00100220	812 South Phillips Avenue	NR Eligible	NR listed
MH00100221	Lynum, Peter, Home	NR Eligible	NR listed
MH00100222	Gunter, Dr. David S., House	NR Eligible	NR listed
MH00100223	900 South Phillips Avenue	NR Eligible	NR listed
MH00100224	906 South Phillips Avenue	NR Eligible	NR listed
MH00100225	1108 South Third Avenue	NR Eligible	NR listed
MH00100226	Francis Apartments	Not Eligible	NR listed
MH00100227	1004 South Phillips Avenue	Not Eligible	NR listed
MH00100228	1001-1005 South Phillips Avenue	NR Eligible	NR listed
MH00100229	Phillips Apartments	Not Eligible	NR listed
MH00100230	Hewson, Arthur B., House	NR Eligible	NR listed
MH00100231	1115-1117 South Phillips Avenue	Not Eligible	NR listed
MH00100232	754 South Phillips Avenue	Not Eligible	NR listed
MH00100233	209 East 19th Street	NR Eligible	NR listed
MH00100234	1200-1202 South Phillips Avenue	Not Eligible	NR listed
MH00100235	1107 South Phillips Avenue	NR Eligible	NR listed

MH00100236	713 South Phillips Avenue	Not Eligible	NR listed
MH00100237	104 East 23rd Street	NR Eligible	NR listed
MH00100238	930 South First Avenue	NR Eligible	NR listed
MH00100239	425 East 20th Street	NR Eligible	NR listed
MH00100240	428 East 20th Street	NR Eligible	NR listed
MH00100241	311 East 20th Street	NR Eligible	NR listed
MH00100242	527 East 20th Street	NR Eligible	NR listed
MH00100243	204 East 23rd Street	NR Eligible	NR listed
MH00100244	818 South Phillips Avenue	NR Eligible	NR listed
MH00300001	650 East 21st Street	NR Eligible	NR listed
MH00300002	Baker, Wesley C., House	NR Eligible	NR listed
MH00300003	1606 South Fourth Avenue	NR Eligible	NR listed
MH00300004	605 East 21st street	NR Eligible	NR listed
MH00300005	Dunne, Thomas House	NR Eligible	NR listed
MH00300006	Hoyme, Knute House	NR Eligible	NR listed
MH00300007	707 East 21st Street	NR Eligible	NR listed
MH00300008	709 East 21st Street	NR Eligible	NR listed
MH00300009	627 East 21st Street	NR Eligible	NR listed
MH00300010	702 East 21st Street	NR Eligible	NR listed
MH00300011	731 East 21st Street	NR Eligible	NR listed
MH00300012	Cheney, James House	NR Eligible	NR listed
MH00300013	624 East 21st Street	NR Eligible	NR listed
MH00300014	Hyde, Frank House	NR Eligible	NR listed
MH00300015	Sercl, George E., House	NR Eligible	NR listed
MH00300016	Townley, Thomas W., House	NR Eligible	NR listed
MH00300017	Stevens, Walter E., House	NR Eligible	NR listed
MH00300018	21st Street Boulevard	NR Eligible	NR listed
MH00300019	McKenna Park	NR Eligible	NR listed
MH00300020	716 East 21st Street	NR Eligible	NR listed
MH00300021	727 East 21st Street	Not Eligible	NR listed
MH00300022	412 East 21st Street	NR Eligible	NR listed
MH00300023	408 East 21st Street	Not Eligible	NR listed
MH00300024	406 East 21st Street	Not Eligible	NR listed
MH00300025	400 East 21st Street	Not Eligible	NR listed
MH00300026	1323 South Second Avenue	Not Eligible	NR listed
MH00300028	500 Park Drive	Not Eligible	NR listed
MH00300029	723 East 21st Street	Not Eligible	NR listed
MH00300030	Buell, James House (Secondary Structure)	NR Eligible	NR listed
MH00300031	710 East 21st Street	Not Eligible	NR listed
MH00300032	720 East 21st Street	NR Eligible	NR listed
MH00300033	714 East 21st Street	Not Eligible	NR listed
MH00300034	1710 South Fourth Street	NR Eligible	NR listed

MH00300035	623 East 21st Street	NR Eligible	NR listed
MH00300036	625 East 21st Street	NR Eligible	NR listed
MH00300037	631 East 21st Street	NR Eligible	NR listed
MH00300038	1523 South Second Avenue	NR Eligible	NR listed
MH00300039	721 East 21st Street	NR Eligible	NR listed
MH00300040	504 East 21st Street	Not Eligible	NR listed
MH00300041	712 East 21st Street	Not Eligible	NR listed
MH00300042	Gibbs, Ransom House	NR Eligible	NR listed
MH00300043	1610 South Fourth Street	NR Eligible	NR listed
MH00300044	Ackerman, Morris House	NR Eligible	NR listed
MH00300045	1616 South Fourth Avenue	NR Eligible	NR listed
MH00300046	Lien/Hollister House	NR Eligible	NR listed
MH00300047	Stern, Dr. Monte House	NR Eligible	NR listed
MH00300048	Thompson, Claude W., House	NR Eligible	NR listed
MH00300049	1325 South Second Avenue	NR Eligible	NR listed
MH00300050	Perkins, Edwin L., House	NR Eligible	NR listed
MH00300051	Putnam Edmund D., House	NR Eligible	NR listed
MH00300052	Lowe, Delmar C. House	NR Eligible	NR listed
MH00300053	Aikens, Frank House	NR Eligible	NR listed
MH00300054	1604 South Fourth Avenue	NR Eligible	NR listed
MH00300055	324 East 21st Street	NR Eligible	NR listed
MH00300056	Weatherwax, Frank H., House	NR Eligible	NR listed
MH00300057	Baker, William L.	NR Eligible	NR listed
MH00300058	Hyde, Hadleigh House	NR Eligible	NR listed
MH00300059	Billion, Thomas J., House	NR Eligible	NR listed
MH00300060	Ingwersen, Herman House	NR Eligible	NR listed
MH00300061	510 East 21st Street	NR Eligible	NR listed
MH00300062	215 East 21st Street	Not Eligible	NR listed
MH00300063	201 East 21st Street	Not Eligible	NR listed
MH00300064	722 East 21st Street	Not Eligible	NR listed
MH00300065	Simons, Blaine Home	NR Eligible	NR listed
MH00300066	611 East 21st Street	Not Eligible	NR listed
MH00300067	Thompson/Tuthill House	NR Eligible	NR listed
MH00300068	Symms, Charles D., House	NR Eligible	NR listed
MH00300069	Grigsby, Sioux Home	NR Eligible	NR listed
MH00300070	Moore/Buchholz House	NR Eligible	NR listed
MH00300071	Olson, Edgar C., Home	NR Eligible	NR listed
MH00300072	Brown Knapp, House	NR Eligible	NR listed
MH00300073	1612 South Fourth Avenue	NR Eligible	NR listed
MH00300074	Ole Mikkelson Home	NR Eligible	NR listed
MH00300075	Ericksen, Dr., House	NR Eligible	NR listed
MH00300076	1621 South Second Avenue	NR Eligible	NR listed
MH00300077	1318 South Fourth Avenue	NR Eligible	NR listed

MH00300079	Hahn/Van Brunt House	NR Eligible	NR listed
MH00300080	Bratrud, Christian C., House	NR Eligible	NR listed
MH00300081	1316 South Foruth Avenue	NR Eligible	NR listed
MH00300082	Bradford, John G., House	NR Eligible	NR listed
MH00300083	Brown, Rush Home	NR Eligible	NR listed
MH00300085	Bailin/Dalton House	NR Eligible	NR listed
MH00300086	Hanson, Harry N., House	NR Eligible	NR listed
MH00300087	Hanson, Raymond P., House	NR Eligible	NR listed
MH00300088	Leigh House	NR Eligible	NR listed
MH00300089	Hall House	NR Eligible	NR listed
MH00300090	Egan House	NR Eligible	NR listed
MH00300091	Johnson House	NR Eligible	NR listed
MH00300092	Quirk House	NR Eligible	NR listed
MH00300093	Peterson House	NR Eligible	NR listed
MH00300094	Lindquist House	NR Eligible	NR listed
MH00300095	Hurd House	NR Eligible	NR listed
MH00300096	Almos House	NR Eligible	NR listed
MH00300101	Rietz House	NR Eligible	NR listed
MH00300102	Naeve House	NR Eligible	NR listed
MH00300103	Skyberg House	NR Eligible	NR listed
MH00300104	Menke House	NR Eligible	NR listed
MH00300105	Harris House	NR Eligible	NR listed
MH00300106	Hurd House	NR Eligible	NR listed
MH00300107	Edmunds House	NR Eligible	NR listed
MH00300108	Horner House	NR Eligible	NR listed
MH00300109	Baumheier House	NR Eligible	NR listed
MH00300110	Frankman House	NR Eligible	NR listed
MH00300111	Sedgwick House	NR Eligible	NR listed
MH00300112	Koplow House	Not Eligible	NR listed
MH00300113	Gilbertson House	NR Eligible	NR listed
MH00300114	Brin House	NR Eligible	NR listed
MH00300115	Bragstad House	Not Eligible	NR listed
MH00300116	Hugill House	NR Eligible	NR listed
MH00300117	Nissen House	NR Eligible	NR listed
MH00300118	Quirk House	Not Eligible	NR listed
MH00300119	Pooler House	NR Eligible	NR listed
MH00300120	Nelson House	NR Eligible	NR listed
MH00300122	Stites House	NR Eligible	NR listed
MH00300123	Jensen House	NR Eligible	NR listed
MH00300131	203 E 23rd St	Not Eligible	NR listed
MH00300133	1216 S. Sixth Ave	Not Eligible	NR listed
MH00300134	207 East 23rd St	Not Eligible	NR listed
MH00400001	Van Brunt Building	NR Eligible	NR listed

MH00400002	Waples Block	NR Eligible	NR listed
MH00400003	Nolen Ulven Block	NR Eligible	NR listed
MH00400004	Rainbow Bar	NR Eligible	NR listed
MH00400005	The Courthouse Annex	NR Eligible	NR listed
MH00400006	Phillips Block - Soo Hotel	NR Eligible	NR listed
MH00400007	Car Barn Buildings	Not Eligible	Removed
MH00400008	Jewett Brothers and Jewett Warehouse	NR Eligible	NR listed
MH00400009	Jones Seed Company Warehouse	NR Eligible	NR listed
MH00400010	Albert House Hotel	NR Eligible	NR listed
MH00400011	Milwaukee Road Freight Depot	NR Eligible	NR listed
MH00400012	Manchester Biscuit Company Building	NR Eligible	NR listed
MH00400013	Kuehn, Andrew Warehouse	NR Eligible	NR listed
MH00400014	Old Minnehaha County Courthouse	NR Eligible	NR listed
MH00400015	William-Willey Block	NR Eligible	NR listed
MH00400016	John Deere Warehouse	NR Eligible	NR listed
MH00400017	Mills Street Car Barn	Not Eligible	Removed
MH00400018	Sioux Falls Coliseum and Convention Center	NR Eligible	NR listed
MH00400019	Costello Building	Not Eligible	Removed
MH00400020	Blauvelt, S. F. Building	Not Eligible	Removed
MH00400021	Old County Jail	NR Eligible	NR listed
MH00400022	Consolidated Tank Line Company Building	NR Eligible	NR listed
MH00400023	Annex Building	Not Eligible	NR listed
MH00400024	International Harvester Showroom	Not Eligible	NR listed
MH00400025	International Harvester Warehouse	NR Eligible	NR listed
MH00400026	Milwaukee Road Passenger Depot	Not Eligible	NR listed
MH00400027	Standard Oil Company Garage	NR Eligible	NR listed
MH00400028	Sears, Roebuck & Company Farm Store	NR Eligible	NR listed
MH00500001	Williams Building	NR Eligible	NR listed
MH00500002	Nickle Plate Restaurant	NR Eligible	NR listed
MH00500003	Shakstad Block	NR Eligible	NR listed
MH00500004	Sioux Falls City Hall	NR Eligible	NR listed
MH00500005	Young and Richards Flowers	NR Eligible	NR listed
MH00500006	Famous Players-Laskey Corporation Film Exchange	NR Eligible	NR listed
MH00500007	Henderson Apartments	NR Eligible	NR listed
MH00500008	Brown Apartments	NR Eligible	NR listed
MH00500009	Washington High School	NR Eligible	NR listed
MH00500010	Seville Apartments	NR Eligible	NR listed
MH00500011	Southwestern Annex	NR Eligible	NR listed
MH00500012	Paige-Jewett Motor Company Garage	NR Eligible	NR listed
MH00500013	State Theatre	NR Eligible	NR listed

MH00500014	Hirsch Bros. Block	NR Eligible	NR listed
MH00500015	Citizen's Bank Block	Not Eligible	NR listed
MH00500016	Ballard Block	NR Eligible	NR listed
MH00500017	Fantle Brothers Department Store	NR Eligible	NR listed
MH00500018	Rummel Brothers Block	NR Eligible	NR listed
MH00500019	Carpenter Hotel	NR Eligible	NR listed
MH00500020	Buckeye Block	NR Eligible	NR listed
MH00500021	Minerva's Restaurant	Not Eligible	NR listed
MH00500022	Carnegie Free Public Library	NR Eligible	NR listed
MH00500023	Shriver-Johnson Department Store	NR Eligible	NR listed
MH00500024	Security Bank Building	NR Eligible	NR listed
MH00500025	Pettigrew, R. F., and Tate, S. L., Building	NR Eligible	NR listed
MH00500026	Miller, L. D., Funeral Home	NR Eligible	NR listed
MH00500027	Le Bon Marche Marche Dry Goods	NR Eligible	NR listed
MH00500028	Grand Lodge and Library of the A.F.& A.	NR Eligible	NR listed
MH00500029	Foster-Teigen Building	NR Eligible	NR listed
MH00500030	KSOO Radio Station	NR Eligible	NR listed
MH00500031	Federal Building and U.S. Courthouse	NR Eligible	NR listed
MH00500032	Elmwood Block	NR Eligible	NR listed
MH00500033	Central Fire Station	NR Eligible	NR listed
MH00500034	Boyce-Greely Building	NR Eligible	NR listed
MH00500035	Esquire Cafe	Not Eligible	NR listed
MH00500036	Skelly's Grill	Not Eligible	NR listed
MH00500037	Wintersteen Chevrolet	NR Eligible	NR listed
MH00500038	Dixie Olson Furniture	Not Eligible	NR listed
MH00500039	Best Busines Products	Not Eligible	NR listed
MH00500040	Home Federal Savings Bank	Not Eligible	NR listed
MH00500041	Peck Norton-Murray Block	NR Eligible	NR listed
MH00500042	Peck Block	NR Eligible	NR listed
MH00500043	Morgan's Used Furniture	Not Eligible	NR listed
MH00500044	Borchardt Tire and Battery Company	NR Eligible	NR listed
MH00500045	Metropolitan Federal	Not Eligible	NR listed
MH00500046	Ramsey Brothers Block	NR Eligible	NR listed
MH00500047	Weber Apartments	NR Eligible	NR listed
MH00500048	Jacobson Office Equipment	Not Eligible	NR listed
MH00500049	Brooks Building	NR Eligible	NR listed
MH00500050	Action Carries, Inc.	Not Eligible	NR listed
MH00500051	The Leather Shop	Not Eligible	NR listed
MH00500053	Paramount Photography	Not Eligible	NR listed
MH00500054	Dahl Optical Company	Not Eligible	NR listed
MH00500055	Burke's	Not Eligible	NR listed
MH00500056	Kinkade New and Second Hand	NR Eligible	NR listed
MH00500057	Video Mania	Not Eligible	NR listed



MH00500058	Johnson Shoes	Not Eligible	NR listed
MH00500059	Optomeric Clinic	Not Eligible	
MH00500060	Scott's Limited	Not Eligible	NR listed
MH00500061	Kresge Building	NR Eligible	NR listed
MH00500062	Dale Building	Not Eligible	NR listed
MH00500063	Durant Grocery Store	NR Eligible	NR listed
MH00500064	The Last Frontier	NR Eligible	NR listed
MH00500065	Mandarin Buffet	Not Eligible	NR listed
MH00500066	The Gibson Girls	Not Eligible	NR listed
MH00500067	Thompson Auto Company	NR Eligible	NR listed
MH00500068	Hahn Block	NR Eligible	NR listed
MH00500069	Sioux Falls Motor Company	NR Eligible	NR listed
MH00500070	Moe Hospital & Clinic	NR Eligible	NR listed
MH00500071	Shrine Storage Building	NR Eligible	NR listed
MH00500072	Hodgins Building	NR Eligible	NR listed
MH00500073	Bleeg, John P., Company Dealership	NR Eligible	NR listed
MH00500074	Northwestern Motor Company	NR Eligible	NR listed
MH00500075	Weber Block	NR Eligible	NR listed
MH00500076	Walkins and Leavitt Garage	NR Eligible	NR listed
MH00500077	Peppermill Cafe	Not Eligible	NR listed
MH00500078	East Part Peppermill	Not Eligible	NR listed
MH00500079	Norwest Bank	Not Eligible	NR listed
MH00500080	Shipley's Laundry	Not Eligible	NR listed
MH00500081	Harold Bidwell Restaurant	NR Eligible	NR listed
MH00500082	Commercial Building	Not Eligible	NR listed
MH00500083	Harms Motor Car Company	NR Eligible	NR listed
MH00500084	Scott Printing Building	NR Eligible	NR listed
MH00500085	Commercial Building	Not Eligible	NR listed
MH00500086	Mooreland and Steele Electric	NR Eligible	NR listed
MH00500087	Ming Wah Cafe	Not Eligible	NR listed
MH00500088	Grigsby Building	NR Eligible	NR listed
MH00500089	Boyce-Greely Annex	NR Eligible	NR listed
MH00600001	435 North Spring Avenue	NR Eligible	NR listed
MH00600002	740 West Tenth Street	NR Eligible	NR listed
MH00600003	507 West Seventh Street	NR Eligible	NR listed
MH00600004	231 North Summit Avenue	NR Eligible	NR listed
MH00600005	734-736 West Tenth Street	NR Eligible	NR listed
MH00600006	506 West 10th Street	NR Eligible	NR listed
MH00600007	732 West Ninth Street	NR Eligible	NR listed
MH00600008	719 West Ninth Street	NR Eligible	NR listed
MH00600009	714 West Ninth Street	NR Eligible	NR listed
MH00600010	219 North Summit Avenue	NR Eligible	NR listed
MH00600011	624 West Eighth Street	NR Eligible	NR listed

MH00600012	519 North Spring Street	NR Eligible	NR listed
MH00600013	604 West Ninth Street	NR Eligible	NR listed
MH00600014	731 West Ninth Street	NR Eligible	NR listed
MH00600015	Henry Avery House	NR Eligible	NR listed
MH00600016	503 North Spring Avenue	NR Eligible	NR listed
MH00600017	Charles Fantle House	NR Eligible	NR listed
MH00600018	515 North Spring Avenue	NR Eligible	NR listed
MH00600019	Johnson-Kuehn house	NR Eligible	NR listed
MH00600020	Sam Fantle House	NR Eligible	NR listed
MH00600021	William T. Doolittle House	NR Eligible	NR listed
MH00600022	623 West Eighth Street	NR Eligible	NR listed
MH00600023	215 North Summit Avenue	NR Eligible	NR listed
MH00600024	Hubert Loonan House	NR Eligible	NR listed
MH00600025	Perry House	NR Eligible	NR listed
MH00600026	301 North Prairie Avenue	NR Eligible	NR listed
MH00600027	315-317 North Prairie Avenue	NR Eligible	NR listed
MH00600028	Cyrus Walts House	NR Eligible	NR listed
MH00600029	107 North Summit Avenue	NR Eligible	NR listed
MH00600030	618 West Ninth Street	NR Eligible	NR listed
MH00600031	119 North Summit Avenue	NR Eligible	NR listed
MH00600032	126 North Prairie Avenue	NR Eligible	NR listed
MH00600033	127 North Prairie Street	NR Eligible	NR listed
MH00600034	211 North Prairie Avenue	NR Eligible	NR listed
MH00600035	220 North Prairie Avenue	NR Eligible	NR listed
MH00600036	228 North Prairie Avenue	NR Eligible	NR listed
MH00600037	230 North Prairie Avenue	NR Eligible	NR listed
MH00600038	312 North Prairie Avenue	NR Eligible	NR listed
MH00600039	319 North Prairie Avenue	NR Eligible	NR listed
MH00600040	328 North Prairie Avenue	NR Eligible	NR listed
MH00600041	329 North Prairie Avenue	NR Eligible	NR listed
MH00600042	125 South Summit Avenue	NR Eligible	NR listed
MH00600043	106-08 South Summit Avenue	NR Eligible	NR listed
MH00600044	105-07 South Summit Avenue	NR Eligible	NR listed
MH00600045	429-31 North Summit Avenue	NR Eligible	NR listed
MH00600046	226 North Summit Avenue	NR Eligible	NR listed
MH00600047	350 North Summit Avenue	NR Eligible	NR listed
MH00600048	348 North Summit Avenue	NR Eligible	NR listed
MH00600049	346 North Summit Avenue	NR Eligible	NR listed
MH00600050	335 North Summit Avenue	NR Eligible	NR listed
MH00600051	Will Beach House	NR Eligible	NR listed
MH00600052	Max A. Kuehn House	NR Eligible	NR listed
MH00600053	504 West Seventh Street	NR Eligible	NR listed
MH00600054	114-16 North Summit Avenue	NR Eligible	NR listed

MH00600055	227 North Summit Avenue	NR Eligible	NR listed
MH00600056	220 North Summit Avenue	NR Eligible	NR listed
MH00600057	218 North Summit Avenue	NR Eligible	NR listed
MH00600058	Alvin C. Shoeneman House	NR Eligible	NR listed
MH00600059	121 North Summit Avenue	NR Eligible	NR listed
MH00600060	115 South Prairie Avenue	NR Eligible	NR listed
MH00600061	319 North Summit Avenue	NR Eligible	NR listed
MH00600063	112 North Prairie Avenue	NR Eligible	NR listed
MH00600064	415 North Spring Avenue	NR Eligible	NR listed
MH00600065	401 North Duluth	NR Eligible	NR listed
MH00600066	125 North Prairie Avenue	NR Eligible	NR listed
MH00600067	114 North Prairie Avenue	Not Eligible	NR listed
MH00600068	500-02 West Ninth Street	NR Eligible	NR listed
MH00600069	818 West Eighth	NR Eligible	NR listed
MH00600070	732 West Eighth Street	NR Eligible	NR listed
MH00600071	704 West Ninth Street	NR Eligible	NR listed
MH00600072	500 West Tenth	Not Eligible	NR listed
MH00600073	Carter House	NR Eligible	NR listed
MH00600074	404 North Duluth Avenue	NR Eligible	NR listed
MH00600075	319 North Spring Avenue (Secondary Structure)	NR Eligible	NR listed
MH00600076	128-130 North Prairie	NR Eligible	NR listed
MH00600077	321 North Duluth Avenue	NR Eligible	NR listed
MH00600078	509 West Seventh Street	NR Eligible	NR listed
MH00600079	320 North Summit Avenue	NR Eligible	NR listed
MH00600080	121 South Prairie Avenue	NR Eligible	NR listed
MH00600081	W.H.T. Foster House	NR Eligible	NR listed
MH00600082	Charles E. McKinney House	NR Eligible	NR listed
MH00600083	500 West Seventh Street	NR Eligible	NR listed
MH00600084	520 West Ninth Street	NR Eligible	NR listed
MH00600085	506 West Seventh Street	NR Eligible	NR listed
MH00600086	106 South Prairie Avenue	NR Eligible	NR listed
MH00600087	525 West Seventh Street	NR Eligible	NR listed
MH00600088	716 West Seventh Street	NR Eligible	NR listed
MH00600089	608 West Eighth Street	NR Eligible	NR listed
MH00600090	610 West Eighth Street	NR Eligible	NR listed
MH00600091	711 West Eighth Street	NR Eligible	NR listed
MH00600092	718 West Eighth Street	NR Eligible	NR listed
MH00600093	502 West Seventh Street	NR Eligible	NR listed
MH00600094	Hosmer Keith House	NR Eligible	NR listed
MH00600095	221 North Spring Avenue	NR Eligible	NR listed
MH00600096	311 North Spring Avenue	NR Eligible	NR listed
MH00600097	317 North Spring Street	NR Eligible	NR listed

MH00600098	319 North Spring Avenue	NR Eligible	NR listed
MH00600099	321-323 North Spring Avenue	NR Eligible	NR listed
MH00600100	331 North Spring Avenue	NR Eligible	NR listed
MH00600101	515 North Summit Avenue	NR Eligible	NR listed
MH00600102	407 North Spring Avenue	NR Eligible	NR listed
MH00600103	232 North Summit Avenue	NR Eligible	NR listed
MH00600105	614 West Ninth Street	NR Eligible	NR listed
MH00600106	103 South Spring Avenue	NR Eligible	NR listed
MH00600107	219 North Spring Avenue	NR Eligible	NR listed
MH00600108	John W. Tuthill House	NR Eligible	NR listed
MH00600109	335 North Spring Avenue	NR Eligible	NR listed
MH00600110	Joe Kirby House	NR Eligible	NR listed
MH00600111	Mallanney Home	NR Eligible	NR listed
MH00600112	215 North Duluth Avenue	NR Eligible	NR listed
MH00600113	Dunning House	NR Eligible	NR listed
MH00600114	Pettigrew Museum	NR Eligible	NR listed
MH00600115	McCrossan House	NR Eligible	NR listed
MH00600116	Lien, Jonas Home	NR Eligible	NR listed
MH00600117	Porter Peck House	NR Eligible	NR listed
MH00600118	Charles C. Carpenter House	NR Eligible	NR listed
MH00600119	116 South Duluth Avenue	NR Eligible	NR listed
MH00600120	George Hollister House	NR Eligible	NR listed
MH00600121	Hollister-Sharp House	NR Eligible	NR listed
MH00600122	Knights of Columbus Hall	NR Eligible	NR listed
MH00600123	St. Joseph Cathedral	NR Eligible	NR listed
MH00600124	300 North Duluth Avenue	NR Eligible	NR listed
MH00600125	517 North Summit Avenue	NR Eligible	NR listed
MH00600127	120 South Duluth Street	NR Eligible	NR listed
MH00600128	112 & 114 South Duluth Avenue	NR Eligible	NR listed
MH00600129	William C. Hollister House	NR Eligible	NR listed
MH00600130	214 North Duluth Avenue	NR Eligible	NR listed
MH00600131	227 North Duluth Street	NR Eligible	NR listed
MH00600132	230 North Duluth Avenue	NR Eligible	NR listed
MH00600133	235 North Duluth Avenue	NR Eligible	NR listed
MH00600134	215 North Spring Avenue	NR Eligible	NR listed
MH00600135	308 North Duluth Avenue	NR Eligible	NR listed
MH00600136	Jessie Boyce Home (1973 survey)	NR Eligible	NR listed
MH00600137	310 North Duluth Avenue	NR Eligible	NR listed
MH00600138	319 North Duluth Avenue	NR Eligible	NR listed
MH00600139	125 South Spring Avenue	NR Eligible	NR listed
MH00600140	213 North Spring Avenue	NR Eligible	NR listed
MH00600141	234 North Duluth Avenue	NR Eligible	NR listed
MH00600142	135 North Spring Avenue	NR Eligible	NR listed

MH00600143	320 North Duluth Avenue	NR Eligible	NR listed
MH00600144	428 North Duluth Avenue	NR Eligible	NR listed
MH00600145	426 North Duluth Avenue	NR Eligible	NR listed
MH00600146	420 North Duluth Avenue	NR Eligible	NR listed
MH00600147	John M. Randolph House	NR Eligible	NR listed
MH00600148	201-203 North Spring Ave	NR Eligible	NR listed
MH00600149	Ross/Weisensee Residence (1973 sur	NR Eligible	NR listed
MH00600150	712 West Ninth Street	NR Eligible	
MH00600151	327 North Prairie Avenue	NR Eligible	
MH00600152	325 North Prairie Avenue	NR Eligible	
MH00600153	321 North Prairie Avenue	NR Eligible	
MH00600154	232 North Prairie Avenue	NR Eligible	
MH00600155	212 North Prairie Avenue	NR Eligible	
MH00600156	133 North Prairie Avenue	Not Eligible	
MH00600157	131 North Prairie Avenue	NR Eligible	
MH00600158	129 North Prairie Avenue	NR Eligible	
MH00600159	117 North Prairie Avenue	Not Eligible	NR listed
MH00600160	425-427 North Summit Avenue	Not Eligible	
MH00600161	421 North Summit Avenue	Not Eligible	
MH00600162	415 North Summit Avenue	Not Eligible	
MH00600163	409 North Summit Avenue	NR Eligible	
MH00600164	333 North Summit Avenue	NR Eligible	NR listed
MH00600166	223 North Summit Avenue	NR Eligible	
MH00600167	201 North Summit Avenue	Not Eligible	
MH00600168	125-127 North Summit Avenue	Not Eligible	
MH00600169	121 (1/2) North Summit Avenue (OB)	NR Eligible	
MH00600170	115 North Summit Avenue	NR Eligible	
MH00600171	424 North Duluth Avenue	NR Eligible	
MH00600172	418 North Duluth Avenue	Not Eligible	
MH00600173	Dr. George A. Pettigrew House	NR Eligible	SR listed
MH00600174	114 North Duluth Avenue	NR Eligible	
MH00600175	100 North Duluth Avenue	Not Eligible	
MH00600176	636 West Tenth Street	Not Eligible	
MH00600177	630 West Seventh Street	NR Eligible	
MH00600178	720 West Sixth Street	NR Eligible	
MH00600179	700 West Sixth Street	Not Eligible	
MH00600180	First Baptist Church	Not Eligible	
MH00600181	125 South Prairie Avenue	Not Eligible	
MH00600182	129 South Summit Avenue	NR Eligible	
MH00600183	123 South Summit Avenue	NR Eligible	
MH00600184	119 South Summit Avenue	Not Eligible	
MH00600185	109 South Summit Avenue	Not Eligible	
MH00600186	124 South Duluth Avenue	NR Eligible	

MH00600187	110 South Duluth Avenue	NR Eligible	
MH00600188	115-117 South Spring Avenue	Not Eligible	
MH00600189	111-113 South Spring Avenue	Not Eligible	
MH00600190	227 North Spring Avenue	NR Eligible	
MH00600191	223-225 North Spring Avenue	NR Eligible	
MH00600192	109 North Spring Avenue	Not Eligible	
MH00600193	624-626 West Tenth Street	Not Eligible	
MH00600194	523 West Ninth Street	NR Eligible	
MH00600195	600 West Tenth Street	Not Eligible	
MH00600196	516-520 West Tenth Street	Not Eligible	
MH00600197	517 West Ninth Street	Not Eligible	
MH00600198	516-518 West Eighth Street	Not Eligible	
MH00600199	Moses Kaufmann House	Not Eligible	NR listed
MH00600200	505 West Ninth Street	Not Eligible	
MH00600201	607 West Seventh Street	Not Eligible	
MH00600202	722 West Sixth Street	NR Eligible	
MH00600203	609 West Sixth Street	Not Eligible	
MH00600204	326 North Prairie Avenue	NR Eligible	
MH00600205	318 North Prairie Avenue	NR Eligible	
MH00600206	314 North Prairie Avenue	NR Eligible	
MH00600207	Augustana Lutheran Church	NR Eligible	NR listed
MH00600208	Frank A. Brown House	NR Eligible	
MH00600209	102 South Prairie Avenue	NR Eligible	NR listed
MH00600210	504-506 North Summit Avenue	NR Eligible	
MH00600211	424 North Summit Avenue	Not Eligible	
MH00600212	414 North Summit Avenue	NR Eligible	
MH00600213	318 North Summit Avenue	NR Eligible	
MH00600214	216 North Summit Avenue	NR Eligible	
MH00600215	133 South Summit Avenue	NR Eligible	
MH00600216	211 North Spring Avenue	NR Eligible	
MH00600217	121 South Spring Avenue	NR Eligible	
MH00600218	738 West Tenth Street	Not Eligible	
MH00600219	103 South Duluth Avenue	NR Eligible	
MH00600220	117 North Duluth	NR Eligible	
MH00600221	350 North Duluth Avenue	NR Eligible	
MH00600222	Paver Alley	NR Eligible	NR listed
MH00600223	720 West Seventh Street	Not Eligible	
MH01000012	Sioux Falls Farms Project	Not Eligible	
MH01000014	Sioux Falls Farms Project	Not Eligible	
MH01000018	Sioux Falls Farms Project	Not Eligible	
MH01000021	Delbridge Farm	Not Eligible	
MH01000022		Not Eligible	
MH01000023		Not Eligible	

MH01000024		Not Eligible	
MH01000025		Not Eligible	
MH01000026		Not Eligible	
MH01300001	Dunning home	Not Eligible	NR listed
MH01300002	Marker home	NR Eligible	NR listed
MH01300004	Snider home	NR Eligible	NR listed
MH01300005	Stride home	NR Eligible	NR listed
MH01300006	Raiche home	Not Eligible	NR listed
MH01300007	McKinnon home	NR Eligible	NR listed
MH01300009	Rimerman home	Not Eligible	NR listed
MH01300010	Petterson home	NR Eligible	NR listed
MH01300011	Johnson home	NR Eligible	NR listed
MH01300012	Goecke home	NR Eligible	NR listed
MH01300019	Secrest home	NR Eligible	NR listed
MH01300020	Goecke home	NR Eligible	DOE
MH01300021	Ericson home	Not Eligible	NR listed
MH01300022	Steffensmeier home	Not Eligible	NR listed
MH01300023	Wilson home	NR Eligible	NR listed
MH01300024	Bowring home	NR Eligible	NR listed
MH01400001	1200 South Center Ave-garage	NR Eligible	NR listed
MH01400002	1200 South Center Ave	NR Eligible	NR listed
MH01400003	Gilman House	NR Eligible	NR listed
MH01400004	Gardner House	NR Eligible	NR listed
MH01400005	Sawyer House	NR Eligible	NR listed
MH01400006	Taubert House	NR Eligible	NR listed
MH01400007	Coon House	NR Eligible	NR listed
MH01400008	Anderson House	NR Eligible	NR listed
MH01400009	Swessinger House	NR Eligible	NR listed
MH01400010	Coon House	NR Eligible	NR listed
MH01400011	Huxtable House	NR Eligible	NR listed
MH01400012	Seubert House	NR Eligible	NR listed
MH01400013	Loomis House	NR Eligible	NR listed
MH01400014	House	NR Eligible	NR listed
MH01400015	Flint House	NR Eligible	NR listed
MH01400016	Hill House	NR Eligible	NR listed
MH01400017	Layer House	NR Eligible	NR listed
MH01400018	Wagner House	Not Eligible	NR listed
MH01400019	Mahre House	NR Eligible	NR listed
MH01400020	Duplex	Not Eligible	NR listed
MH01400021	Stadum House	Not Eligible	NR listed
MH01400022	Rittman House	NR Eligible	NR listed
MH01400023	Turnipseed House	NR Eligible	NR listed
MH01400024	Apartments	Not Eligible	NR listed

MH01400025	Fosdick House	NR Eligible	NR listed
MH01400026	Brooks House	NR Eligible	NR listed
MH01400027	Leyse House	NR Eligible	NR listed
MH01400028	Brown House	NR Eligible	NR listed
MH01400029	Hyde House	NR Eligible	NR listed
MH01400030	Unknown	NR Eligible	NR listed
MH01400031	Snow House	Not Eligible	NR listed
MH01400032	Westman House	Not Eligible	NR listed
MH01400033	Girton House	NR Eligible	NR listed
MH01400034	Aikens House	NR Eligible	NR listed
MH01400035	Boyds House	NR Eligible	NR listed
MH01400036	Blegen House	NR Eligible	NR listed
MH01400037	Hanson House	NR Eligible	NR listed
MH01400038	Fellows House	NR Eligible	NR listed
MH01400039	House	Not Eligible	NR listed
MH01400040	Bassett House	NR Eligible	NR listed
MH01400041	Thayer / Bailey House	NR Eligible	NR listed
MH01400042	Jordan House	NR Eligible	NR listed
MH01400043	Klopp House	Not Eligible	NR listed
MH01400044	Draeger House	NR Eligible	NR listed
MH01400045	Tesch House	NR Eligible	NR listed
MH01400046	Nelson House	NR Eligible	NR listed
MH01400047	Brooks House	NR Eligible	NR listed
MH01400048	Caldwell House	NR Eligible	NR listed
MH01400049	Weisbrod House	NR Eligible	NR listed
MH01400050	Mills House	Not Eligible	NR listed
MH01400051	Graham House	Not Eligible	NR listed
MH01400052	Williams House	Not Eligible	NR listed
MH01400053	Girton House	NR Eligible	NR listed
MH01400054	Walters House	NR Eligible	NR listed
MH01400055	Eggers House	NR Eligible	NR listed
MH01400056	Cromer House	NR Eligible	NR listed
MH01400057	Shriver House	Not Eligible	NR listed
MH01400058	Lacey House	Not Eligible	NR listed
MH01400059	Joan Apartments	NR Eligible	NR listed
MH01400060	Apartments	Not Eligible	NR listed
MH01400061	Apartments	Not Eligible	NR listed
MH01400062	Apartments	Not Eligible	NR listed
MH01400063	Apartments	Not Eligible	NR listed
MH01400064	Fischer House	Not Eligible	NR listed
MH01400065	Moore House	NR Eligible	NR listed
MH01400066	Deruyther House	NR Eligible	NR listed
MH01400067	Smith House	NR Eligible	NR listed



MH01400068	Goble House	NR Eligible	NR listed
MH01400069	Martin House	NR Eligible	NR listed
MH01400070	Kessler House	Not Eligible	NR listed
MH01400071	Keesler House	NR Eligible	NR listed
MH01400072	Ward House	NR Eligible	NR listed
MH01400073	Matthews House	NR Eligible	NR listed
MH01400074	Ashton House	NR Eligible	NR listed
MH01400075	Marsh House	NR Eligible	NR listed
MH01400076	Bjorch House	NR Eligible	NR listed
MH01400077	Schmitt House	NR Eligible	NR listed
MH01400078	Apartments	Not Eligible	NR listed
MH01400079	Jones House	NR Eligible	NR listed
MH01400080	Brandon House	NR Eligible	NR listed
MH01400081	Keller House	NR Eligible	NR listed
MH01400082	Brown House	NR Eligible	NR listed
MH01400083	Buswell House	Not Eligible	NR listed
MH01400084	apartments	Not Eligible	NR listed
MH01400085	Ball House	Not Eligible	NR listed
MH01400086	Parrick House	NR Eligible	NR listed
MH01400087	Boyce House	NR Eligible	NR listed
MH01400088	Duplex	Not Eligible	NR listed
MH01400089	Denton House	NR Eligible	NR listed
MH01400090	Apartments	Not Eligible	NR listed
MH01400091	Apartments	Not Eligible	NR listed
MH01400092	Brooks House	NR Eligible	NR listed
MH01600002	Riverview Heights neighborhood	Not Eligible	
MH01600006	Riverview Heights neighborhood	Not Eligible	
MH01600009	Riverview Heights neighborhood	Not Eligible	
MH01600010	Riverview Heights neighborhood	NR Eligible	
MH01600011	Riverview Heights neighborhood	NR Eligible	
MH01600014	Riverview Heights neighborhood	Not Eligible	
MH01600015	Riverview Heights neighborhood	NR Eligible	
MH01600016	Riverview Heights neighborhood	Not Eligible	
MH01600017	Riverview Heights neighborhood	NR Eligible	
MH01600028	Riverview Heights neighborhood	Not Eligible	
MH01600030	Riverview Heights neighborhood	NR Eligible	
MH01600031	Riverview Heights neighborhood	NR Eligible	
MH01600032	Riverview Heights neighborhood	NR Eligible	
MH01600033	Riverview Heights neighborhood	NR Eligible	
MH01600035	Riverview Heights neighborhood	NR Eligible	
MH01600042	Riverview Heights neighborhood	Not Eligible	
MH01600043	Riverview Heights neighborhood	Not Eligible	
MH01600044	Riverview Heights neighborhood	Not Eligible	

MH01600045	Riverview Heights neighborhood	Not Eligible
MH01600046	Riverview Heights neighborhood	Not Eligible
MH01600047	Riverview Heights neighborhood	Not Eligible
MH01600049	Riverview Heights neighborhood	Not Eligible
MH01600050	Riverview Heights neighborhood	Not Eligible
MH01600051	Riverview Heights neighborhood	Not Eligible
MH03300001	Falls Park Visitor Information Center	Not Eligible
MH03300002	Sioux Falls Light and Power Company Building	Unevaluated

## **APPENDIX B**

### **BRIDGE AND ARCHEOLOGICAL SITE FORM UPDATES**



**SHPOID** MH00000904      **SitID** 27742      **BridgeID** 573

**SITE INFORMATION**

**\*Survey Date:** 8/14/1995 12:00:00 AM      **\*Quarter1:** NW  
**\*Surveyor:** M. L. Dennis      **\*Quarter2:** NE  
**\*Property Address:** Railroad      **\*Township:** 102N  
**\*County:** mh      **\*Range:** 48W  
**\*City:** Brandon      **\*Section:** 33  
**Acres:**  
**Quadname:** Brandon  
**Legal Description:** NW,NE, Sec 33, T102N, R48W

**Location Description:**

**Owner Code1:**      **Owner Name:** Ellis & Eastern Railroad  
**Owner Code2:**      **Owner Address:**  
**Owner Code3:**      **Owner City:** Sioux Falls  
**Owner State:** SD  
**Owner Zip:**

**HISTORIC SIGNIFICANCE**

**\*DOE:** NR Eligible      **Register Name:**  
**\*DOE Date:** 8/14/1995 12:00:00 AM      **Multiple Property Name**  
**Nomination Status:**      **SignificanceLevel1:**  
**Listed Date:**      **SignificanceLevel2:**  
**Ref Num:**      **NR Criteria 1:** A  
**Period:**      **NR Criteria 2:** C  
**Category:** Structure      **NR Criteria 3:**  
**Historic District Rating:**      **NR Criteria 4:**



**Significance Notes :** According to the South Dakota Bridge Survey (1990), this bridge may be the oldest surviving bridge in SD. Located on the Chicago & North Western railroad line, this lattice through truss bridge was built by the Lassiq Bridge and Iron Works of Chicago in c. 1887. The piers appear to have been recently replaced with poured concrete and portions of the wood trestle approaches may have been replaced. Although the integrity of the piers is slightly compromised, the metal truss itself has exceptional integrity and appears to be in good condition. As potentially the oldest surviving bridge in South Dakota, the significance of this bridge is exceptionally high. (A second lattice bridge, MH-SR-06, is located just south of Brandon and was built at approximately the same time, although it was not placed at this Minnehaha County location until some time later.)

## BRIDGE DETAILS

**\*Bridge Name:** Railroad Bridge over Big Sioux

**Other Name:**

**\*Date Built:** c.1887

**Significant Person:**

**Structural System:**

**Type:** Through Truss

**Length:**

**Style:** Lattice

**Number Of Spans:** 0

**Materials:** Steel

**ApproachSpanType:** wood trestle approaches

**Occupied:** Yes

**\*UTM Zone:** 14

**Accessible:** Yes

**\*UTM Easting:** 693716.2000

**\*UTM Northing:** 4830127.2100

**Restricted:** N

**Altered/Moved Notes:**

**Physical Notes:** Steel (iron?) truss with wood trestle approaches; concrete piers. Crosses river in low, open river valley floodplain; farm fields to east and west; county road on north; Hwy 140 south; just west of Brandon.

**Link to National Register Nomination:**

**No National Register Nomination Available**



**SHPOID**                      **SiteID**                      **BridgeID**  
MH00001562                      28220                      818

**SITE INFORMATION**

**\*Survey Date:** 3/6/2002 12:00:00 AM                      **\*Quarter1:** SW  
**\*Surveyor:** Jason M. Kruse                      **\*Quarter2:** SW  
**\*Property Address:** 14th Street                      **\*Township:** 101N  
**\*County:** mh                      **\*Range:** 49W  
**\*City:** Sioux Falls                      **\*Section:** 18  
**Acres:**  
**Quadname:** Sioux Falls East  
  
**Legal Description:** SW1/4, SW1/4, S18, 101N, 49W

**Location Description:** no feature

**Owner Code1:**                      **Owner Name:** Ellis and East  
**Owner Code2:**                      **Owner Address:**  
**Owner Code3:**                      **Owner City:**  
**Owner State:**  
**Owner Zip:**

**HISTORIC SIGNIFICANCE**

**\*DOE:** NR Eligible                      **Register Name:**  
**\*DOE Date:** 3/6/2002 12:00:00 AM                      **Multiple Property Name**  
**Nomination Status:**                      **SignificanceLevel1:**  
**Listed Date:**                      **SignificanceLevel2:**  
**Ref Num:**                      **NR Criteria 1:** A  
**Period:**                      **NR Criteria 2:** C  
**Category:** Structure                      **NR Criteria 3:**  
**Historic District Rating:**                      **NR Criteria 4:**  
**Significance Notes :**



**BRIDGE DETAILS**

**\*Bridge Name:** Elmwood Park Bridge

**Other Name:** Railroad Bridge at 14th St

**\*Date Built:** ca 1893

**Significant Person:**

**Structural System:**

**Type:** Through Truss

**Length:**

**Style:** Lattice

**Number Of Spans:** 2

**Materials:** Steel

**ApproachSpanType:** Timber trestle

**Occupied:** Yes

**\*UTM Zone:** 14

**Accessible:** Yes

**\*UTM Easting:** 680226.7600

**\*UTM Northing:** 4824035.7200

**Restricted:**

**Altered/Moved Notes:**

**Physical Notes:** This is a double lattice bridge.

**Link to National Register Nomination:**

**No National Register Nomination Available**



**SHPOID**                                      **SitID**                                      **BridgeID**  
MH00001718                                      52949                                      3310

**SITE INFORMATION**

**\*Survey Date:** 5/12/2009 12:00:00 AM                                      **\*Quarter1:** SW  
**\*Surveyor:** Augustana College Archeology Laboratory                                      **\*Quarter2:** SE  
**\*Property Address:** no address                                      **\*Township:** 101N  
**\*County:** mh                                      **\*Range:** 49W  
**\*City:** Sioux Falls                                      **\*Section:** 16  
**Acres:**  
**Quadname:**

**Legal Description:** E1/2, SW1/4, SW1/4, SE1/4

**Location Description:** This railroad bridge is located next to the 11th street bridge spanning the Big Sioux River in Sioux Falls

**Owner Code1:**                                      **Owner Name:** NA  
**Owner Code2:**                                      **Owner Address:**  
**Owner Code3:**                                      **Owner City:**  
**Owner State:**  
**Owner Zip:**

**HISTORIC SIGNIFICANCE**

**\*DOE:** NR Eligible                                      **Register Name:**  
**\*DOE Date:** 5/12/2009 12:00:00 AM                                      **Multiple Property Name**  
**Nomination Status:**                                      **SignificanceLevel1:** State  
**Listed Date:**                                      **SignificanceLevel2:** Local  
**Ref Num:**                                      **NR Criteria 1:** A  
**Period:** A.D. 1861-                                      **NR Criteria 2:** C  
**Category:** Structure                                      **NR Criteria 3:** D  
**Historic District Rating:**                                      **NR Criteria 4:**  
**Significance Notes:** This bridge is similar in construction and time period as bridges MH0000904 and MH00001562. All three bridges are steel lattice through truss with timber trestle approaches. Construction dates place this bridge as being built ca. 1892.





**BRIDGE DETAILS**

**\*Bridge Name:** Railroad bridge

**Other Name:**

**\*Date Built:** 1892

**Significant Person:**

**Structural System:**

**Type:** Through Truss

**Length:** 268 feet

**Style:** Lattice

**Number Of Spans:** 4

**Materials:** Steel

**ApproachSpanType:** Timber trestle

**Occupied:** Yes

**\*UTM Zone:** 14

**Accessible:** Yes

**\*UTM Easting:** 684235.0000

**\*UTM Northing:** 4823825.0000

**Restricted:** N

**Altered/Moved Notes:** This bridge has not been moved or altered.

**Physical Notes:** This bridge has Sioux Quartzite cobble support columns along with timber columns. Bridge was built in 1892. It is a steel lattice through truss with timber trestle approaches.

**Link to National Register Nomination:**

**No National Register Nomination Available**

## SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39MH2003 Update

<b>County</b>	<span style="border: 1px solid black; padding: 2px;">Minnehaha</span>	<b>Site Name</b>	<span style="border: 1px solid black; padding: 2px;"></span>	
<b>Other No</b>	<span style="border: 1px solid black; padding: 2px;"></span>	<b>NR Status</b>	<span style="border: 1px solid black; padding: 2px;">Eligible</span>	
<b>Map Reference</b>	<span style="border: 1px solid black; padding: 2px;">Brandon, SD 1978</span>	<b>Owner</b>	<span style="border: 1px solid black; padding: 2px;">Sweetman Construction Company</span>	
<b>Arch. Region</b>	<span style="border: 1px solid black; padding: 2px;">Lower Big Sioux</span>	<b>Topo pos</b>	<span style="border: 1px solid black; padding: 2px;">Flood plain</span>	
<b>Vegetation</b>	<span style="border: 1px solid black; padding: 2px;">Mixed tall grass</span>	<b>Substrate</b>	<span style="border: 1px solid black; padding: 2px;"></span>	
<b>UTM Zone</b>	<span style="border: 1px solid black; padding: 2px;">14</span> / <span style="border: 1px solid black; padding: 2px;">693690</span> <b>E/</b> <span style="border: 1px solid black; padding: 2px;">4830120</span> <b>N</b>	<b>Land Use</b>	<span style="border: 1px solid black; padding: 2px;">industrial</span>	
<b>Surf. visibility</b>	<span style="border: 1px solid black; padding: 2px;">0-40</span> %	<b>Site elevation</b>	<span style="border: 1px solid black; padding: 2px;">399.28</span> m	<b>Condition</b> <span style="border: 1px solid black; padding: 2px;">extant</span>
<b>Site Dim. N-S</b>	<span style="border: 1px solid black; padding: 2px;">9.14</span> <b>E-W</b> <span style="border: 1px solid black; padding: 2px;">141.7</span> m	<b>Area</b>	<span style="border: 1px solid black; padding: 2px;">.304</span> ha	<b>Depth</b> <span style="border: 1px solid black; padding: 2px;"></span> cm
<b>Nearest Water Type</b>	<span style="border: 1px solid black; padding: 2px;">Permanent Stream</span>	<b>Name</b>	<span style="border: 1px solid black; padding: 2px;">Big Sioux River</span>	
<b>Distance</b>	<span style="border: 1px solid black; padding: 2px;">0</span> m	<b>Elevation</b>	<span style="border: 1px solid black; padding: 2px;">362</span> m	<b>Direction</b> <span style="border: 1px solid black; padding: 2px;"></span> <b>Bank</b> <span style="border: 1px solid black; padding: 2px;"></span>

### LOCATIONS

Legal Locations	Section	Twp	Rg
NW¼, NE¼	33	102N	48W

### COMPONENTS

Site Type	Time Period	Cultural Affiliation
Railroad	A.D. 1861-	Euro-American

### COMMENTS

**Comments/site description (i.e. artifacts/features observed)** This segment of site 39MH2003,

the Chicago & Northwestern Railroad, is currently in use as part of the Ellis & Eastern Railroad and encompasses bridge SHPO ID MH00000904. Both the bridge and the segment of railroad have been determined NRHP-eligible by the South Dakota SHPO.

**Evaluation/collection methods**

**Owner name/address/attitude**

<b>Name</b>	Archeology Laboratory, Augustana University	<b>Date</b>	8-12-20
<b>Project</b>	E&E Railroad Bridges		

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**SD STATE ARCHAEOLOGICAL RESEARCH CENTER**

Site No 39MH2003 Update

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**SITE MAP**

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**SITE LOCATION**

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## SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39MH2014 Update

<b>County</b>	<span style="border: 1px solid black; padding: 2px;">Minnehaha</span>	<b>Site Name</b>	<span style="border: 1px solid black; padding: 2px;"></span>	
<b>Other No</b>	<span style="border: 1px solid black; padding: 2px;"></span>	<b>NR Status</b>	<span style="border: 1px solid black; padding: 2px;">Eligible</span>	
<b>Map Reference</b>	<span style="border: 1px solid black; padding: 2px;">Sioux Falls East, SD 1978</span>	<b>Owner</b>	<span style="border: 1px solid black; padding: 2px;">Sweetman Construction Company</span>	
<b>Arch. Region</b>	<span style="border: 1px solid black; padding: 2px;">Lower Big Sioux</span>	<b>Topo pos</b>	<span style="border: 1px solid black; padding: 2px;">Flood plain</span>	
<b>Vegetation</b>	<span style="border: 1px solid black; padding: 2px;">Mixed tall grass</span>	<b>Substrate</b>	<span style="border: 1px solid black; padding: 2px;"></span>	
<b>UTM Zone</b>	<span style="border: 1px solid black; padding: 2px;">14</span> / <span style="border: 1px solid black; padding: 2px;">684221</span> <b>E/</b> <span style="border: 1px solid black; padding: 2px;">4823834</span> <b>N</b>	<b>Land Use</b>	<span style="border: 1px solid black; padding: 2px;">industrial</span>	
<b>Surf. visibility</b>	<span style="border: 1px solid black; padding: 2px;">0-40</span> %	<b>Site elevation</b>	<span style="border: 1px solid black; padding: 2px;">399.28</span> m	<b>Condition</b> <span style="border: 1px solid black; padding: 2px;">extant</span>
<b>Site Dim. N-S</b>	<span style="border: 1px solid black; padding: 2px;">125</span> <b>E-W</b> <span style="border: 1px solid black; padding: 2px;">9.14</span> m	<b>Area</b>	<span style="border: 1px solid black; padding: 2px;">.109</span> ha	<b>Depth</b> <span style="border: 1px solid black; padding: 2px;"></span> cm
<b>Nearest Water Type</b>	<span style="border: 1px solid black; padding: 2px;">Permanent Stream</span>		<b>Name</b>	<span style="border: 1px solid black; padding: 2px;">Big Sioux River</span>
<b>Distance</b>	<span style="border: 1px solid black; padding: 2px;">0</span> m	<b>Elevation</b>	<span style="border: 1px solid black; padding: 2px;">426</span> m	<b>Direction</b> <span style="border: 1px solid black; padding: 2px;"></span> <b>Bank</b> <span style="border: 1px solid black; padding: 2px;"></span>

### LOCATIONS

Legal Locations	Section	Twp	Rg
SW, SE	16	101N	49W

### COMPONENTS

Site Type	Time Period	Cultural Affiliation
Railroad	A.D. 1861-	Euro-American

### COMMENTS

**Comments/site description (i.e. artifacts/features observed)** This segment of site 39MH2014, formerly the Chicago, St. Paul, Minneapolis, & Omaha (now Ellis & Eastern) Railroad, is currently in use and encompasses bridge SHPO ID MH00001718. Both the bridge and the segment of railroad have been determined eligible by the South Dakota SHPO. Current topographic maps indicate owners in 1978 as the Chicago & Northwestern Railroad.

**Evaluation/collection methods**

**Owner name/address/attitude**

<b>Name</b>	<span style="border: 1px solid black; padding: 2px;">Archeology Laboratory, Augustana University</span>	<b>Date</b>	<span style="border: 1px solid black; padding: 2px;">8-12-20</span>
<b>Project</b>	<span style="border: 1px solid black; padding: 2px;">E&amp;E Railroad Bridges</span>		

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# SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39MH2014 Update

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## SITE MAP

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## SITE LOCATION



## SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39MH2014 Update

<b>County</b>	<span style="border: 1px solid black; padding: 2px;">Minnehaha</span>	<b>Site Name</b>			
<b>Other No</b>		<b>NR Status</b>	<span style="border: 1px solid black; padding: 2px;">Eligible</span>		
<b>Map Reference</b>	<span style="border: 1px solid black; padding: 2px;">Sioux Falls East, SD 1978</span>	<b>Owner</b>	<span style="border: 1px solid black; padding: 2px;">Sweetman Construction Company</span>		
<b>Arch. Region</b>	<span style="border: 1px solid black; padding: 2px;">Lower Big Sioux</span>	<b>Topo pos</b>	<span style="border: 1px solid black; padding: 2px;">Flood plain</span>		
<b>Vegetation</b>	<span style="border: 1px solid black; padding: 2px;">Mixed tall grass</span>	<b>Substrate</b>			
<b>UTM Zone</b>	<span style="border: 1px solid black; padding: 2px;">14</span> / <span style="border: 1px solid black; padding: 2px;">680209</span> <b>E/</b> <span style="border: 1px solid black; padding: 2px;">4824056</span> <b>N</b>	<b>Land Use</b>	<span style="border: 1px solid black; padding: 2px;">industrial</span>		
<b>Surf. visibility</b>	<span style="border: 1px solid black; padding: 2px;">0-40</span> %	<b>Site elevation</b>	<span style="border: 1px solid black; padding: 2px;">429.77</span> m	<b>Condition</b>	<span style="border: 1px solid black; padding: 2px;">extant</span>
<b>Site Dim. N-S</b>	<span style="border: 1px solid black; padding: 2px;">115</span>	<b>E-W</b>	<span style="border: 1px solid black; padding: 2px;">9.14</span> m	<b>Area</b>	<span style="border: 1px solid black; padding: 2px;">.105</span> ha
<b>Depth</b>	<span style="border: 1px solid black; padding: 2px;"></span> cm				
<b>Nearest Water Type</b>	<span style="border: 1px solid black; padding: 2px;">Permanent Stream</span>		<b>Name</b>	<span style="border: 1px solid black; padding: 2px;">Big Sioux River</span>	
<b>Distance</b>	<span style="border: 1px solid black; padding: 2px;">0</span> m	<b>Elevation</b>	<span style="border: 1px solid black; padding: 2px;">426</span> m	<b>Direction</b>	<span style="border: 1px solid black; padding: 2px;"></span>
<b>Bank</b>	<span style="border: 1px solid black; padding: 2px;"></span>				

### LOCATIONS

Legal Locations	Section	Twp	Rg
<span style="border: 1px solid black; padding: 2px;">SW, SW</span>	<span style="border: 1px solid black; padding: 2px;">18</span>	<span style="border: 1px solid black; padding: 2px;">101N</span>	<span style="border: 1px solid black; padding: 2px;">49W</span>

### COMPONENTS

Site Type	Time Period	Cultural Affiliation
<span style="border: 1px solid black; padding: 2px;">Railroad</span>	<span style="border: 1px solid black; padding: 2px;">A.D. 1861-</span>	<span style="border: 1px solid black; padding: 2px;">Euro-American</span>

### COMMENTS

**Comments/site description (i.e. artifacts/features observed)** This segment of site 39MH2014,

originally the Chicago, St. Paul, Minneapolis, and Omaha railroad, is currently in use and encompasses bridge SHPO ID MH00001562. Both the bridge and the segment of railroad have been determined eligible by the South Dakota SHPO. Current topographic maps indicate owners in 1978 as Chicago & Northwestern Railroad. It was most recently part of the Ellis & Eastern Railroad and is now owned and operated by Sweetman Construction Company.

**Evaluation/collection methods**

**Owner name/address/attitude**

<b>Name</b>	<span style="border: 1px solid black; padding: 2px;">Archeology Laboratory, Augustana University</span>	<b>Date</b>	<span style="border: 1px solid black; padding: 2px;">8-12-20</span>
<b>Project</b>	<span style="border: 1px solid black; padding: 2px;">E&amp;E Railroad Bridges</span>		

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**SD STATE ARCHAEOLOGICAL RESEARCH CENTER**

Site No 39MH2014 Update

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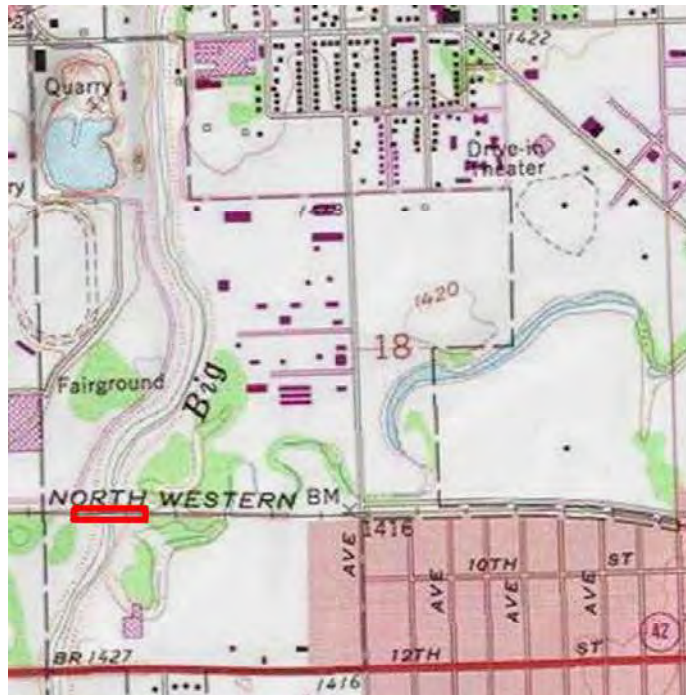
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**SITE MAP**

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**SITE LOCATION**



## Haas, Shauna (Volpe)

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**From:** Mulliner, Heather <Heather.Mulliner@state.sd.us>  
**Sent:** Thursday, February 24, 2022 11:41 AM  
**To:** Schmidt, Jonathan (Volpe)  
**Cc:** Wasley, Katie; Carlson Dietmeier, Jenna  
**Subject:** Ellis and Eastern Sioux Falls Area Bridges - Section 106 Questions

**CAUTION:** This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Morning Jonathan,

I am reviewing the section 106 submission from the Federal Rail Administration regarding the work on the Ellis and Eastern Sioux Fall Area bridges. SHPO has some concerns with the proposal and I was hoping you could provide us with some additional information. I'm a little unclear on what the replacement materials will look like on the impacted bridges, particularly Bridges P-125 and P-131. Can you send some examples of what the steel H-pile and precast concrete tubs that will be replacing the existing timber pile approaches will look like on these bridges?

The changes to these two bridges seem like they will be pretty substantial, so we want to get a better sense of what visual impacts will be to the overall structures.

Thanks,  
Heather



### Heather Mulliner

Historic Preservation Specialist  
South Dakota State Historical Society  
[heather.mulliner@state.sd.us](mailto:heather.mulliner@state.sd.us)

605-773-6005 | 900 Governors Drive, Pierre | [history.sd.gov](http://history.sd.gov)





U.S. Department  
of Transportation

1200 New Jersey Avenue, SE  
Washington, DC 20590

**Federal Railroad  
Administration**

March 15, 2022

Ted M. Spencer  
State Historic Preservation Officer  
South Dakota State Historic Preservation Office  
900 Governors Drive  
Pierre, SD 57501

**Re: Ellis and Eastern Sioux Falls Area Bridges  
Minnehaha County, South Dakota  
Continuing Consultation and Determination of No Adverse Effect**

Dear Ted M. Spencer:

The Federal Railroad Administration (FRA) received your comments dated February 24, 2022, in response to the FRA's Section 106 consultation letter dated January 28, 2022, regarding the repair and rehabilitation of three railroad bridges over the Big Sioux River in Minnehaha County, South Dakota. The purpose of this letter is to provide the additional requested information.

The Ellis & Eastern Company proposes to use steel H-piles and pre-cast concrete tubs to replace timber-pile approaches at Bridges P-125 and P-131. Photos of the replacement materials applied at two recent projects on D & I Railroad Bridges T-478 and T-480 over Big Sioux River, northeast of Elk Point, South Dakota are enclosed as **Attachment A**. The primary difference between the enclosed photos and the proposed application in the undertaking are the poured concrete walkways. The walkways at Bridges P-125 and P-131 would be steel lattice. Project plans showing the proposed scope of work at Bridges P-125 and P-131 are enclosed as **Attachment B**.

The steel lattice through truss bridges and masonry piers at Bridges P-125 and P-131 would experience minimal physical impacts from the undertaking. The top two inches of the eastern pier at Bridge P-131 would be slightly modified to tie in the replacement materials from the approach trestle. This alteration would be underneath the railroad and would not be visible.

Visual effects to Bridges P-125 and P-131 would be confined to track level and sub-structural supports of the approach spans. The pre-cast concrete tubs would be filled with ballast and timber rail ties to support the new rails. The steel H-bents would be similar in color and design to the existing timber piles utilized in the approach spans. The handrails along the approach

spans to bridges would be 13-feet and 19-feet, respectively. Context-sensitive black metal is proposed that would differ in appearance from the historic materials in use on Bridges P-125 and P-131 and complement them in a manner that is not visually incongruent.

### **Review Request**

Based on the additional information presented, the FRA affirms its previous determination that the undertaking results in **No Adverse Effect**. FRA respectfully requests your concurrence with this determination within thirty days. An e-mailed response is preferred to ensure timely receipt of your communications. If you have any questions or wish to discuss this undertaking further, please contact Jon Schmidt, Environmental Protection Specialist, at [jonathan.schmidt@dot.gov](mailto:jonathan.schmidt@dot.gov) or 617-494-3439.

Sincerely,

**AMANDA ELIZABETH  
CIAMPOLILLO**

 Digitally signed by AMANDA  
ELIZABETH CIAMPOLILLO  
Date: 2022.03.15 11:54:49 -04'00'

Amanda E. Ciampolillo  
Supervisory Environmental Protection Specialist  
Federal Railroad Administration

Enclosures:

- Attachment 1: Photographs of Replacement Materials in Use
- Attachment 2: Project Plans for P-125 and P-131



*View of timber trestle Bridge T-478.*



*View of Bridge T-478 after replacement, showing use of pre-cast concrete tubs, ballast, and timber rail ties. The concrete walkway and galvanized railing shown here will not be applied to Bridges P-125 and P-131.*



*View of the steel bent substructure at Bridge T-478. The steel was installed to replace the timber trestle that had reached the end of its service life.*



*Profile view of the replacement materials at Bridge T-478.*



*Approach view of Bridge T-480 prior to rehabilitation of the approach span.*



*Profile view of Bridge T-480 prior to rehabilitation of the approach span.*



*Approach view of Bridge T-480 showing the use of pre-cast concrete tubs. The scope of the rehabilitation of Bridge T-480 is greater than the proposed work at Bridges P-125 and P-131. The masonry piers supporting Bridges P-125 and P-131 will remain.*



*Profile view of Bridge T-480 showing the use of replacement materials, at left.*



*Quarter view of Bridge T-480, showing use of replacement materials at the approach span.*

**PLAN & PROFILE**  
**BRIDGE P-125 (MP 58.70)**

**100% Plan Submittal**

Sta: 0+80 ±  
Tie into Existing 115# Rail North of Concrete Crossing

Sta: 0+80.00 to Sta: 3+18.34  
Install New 115# Jointed Rail on New Cross Ties  
(Jointed Rail Track Construction - 238 Track-Ft)

Sta: 2+69.51 to Sta: 3+18.34  
Construct South Approach Bridge Spans  
(See Structure Plans)

Sta: 3+18.84  
Install New Bridge Tie  
(1 Each - 8" x 8" x 18'-0")  
Install New Timber Walkway Plank  
(1 Each - 2" x 12" x 10'-0" - Cut to Size)  
Install 3/8" Ø Galvanized Wire Rope Handrail  
(4 @ 5 Ft = 20 Ft)  
(See Structure Plans)

Sta: 3+18.35 to Sta: 6+14.93  
Install New 115# Jointed Rail on Existing Bridge Ties  
(Jointed Rail Relay - 297 Track-Ft)

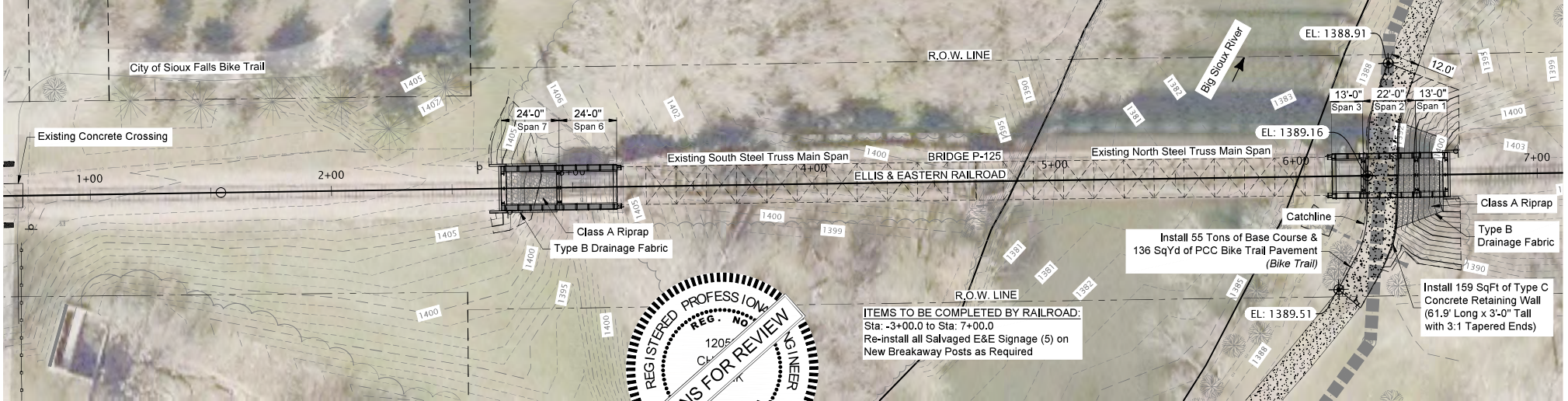
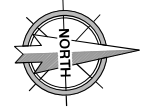
Sta: 0+00.0 to 1+00.0  
Re-install all Salvaged Bike Trail Crossing  
Signage (7) on Breakaway Posts  
(As Required For Access)

Sta: 6+14.44  
Install New Bridge Tie  
(1 Each - 8" x 8" x 18'-0")  
Install New Timber Walkway Plank  
(1 Each - 2" x 12" x 10'-0" - Cut to Size)  
Install 3/8" Ø Galvanized Wire Rope Handrail  
(4 @ 5 Ft = 20 Ft)  
(See Structure Plans)

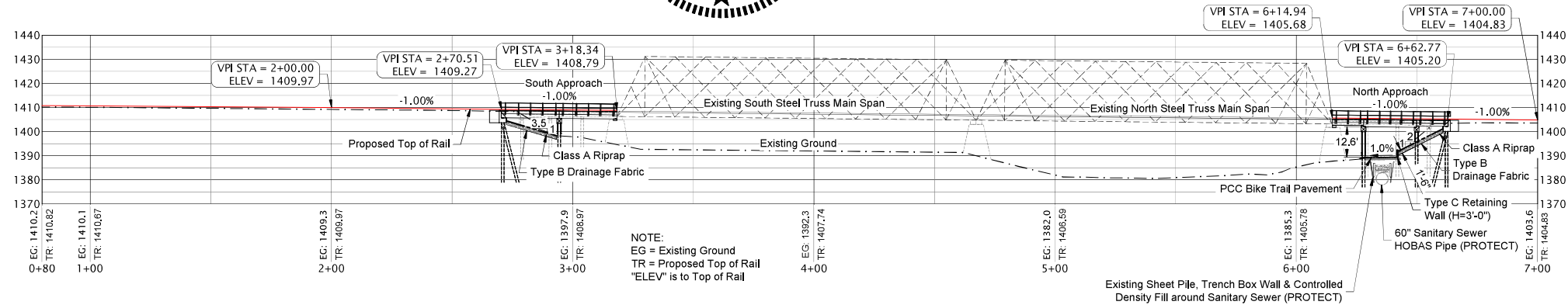
Sta: 7+00 ±  
Tie into Existing 115#/136# Compromise Rail

Sta: 6+14.94 to Sta: 7+00.00  
Install New 115# Jointed Rail on New Cross Ties  
(Jointed Rail Track Construction - 85 Track-Ft)

Sta: 6+14.94 to Sta: 6+63.78  
Construct North Approach Bridge Spans  
(See Structure Plans)



**ITEMS TO BE COMPLETED BY RAILROAD:**  
Sta: -3+00.0 to Sta: 7+00.0  
Re-install all Salvaged E&E Signage (5) on  
New Breakaway Posts as Required



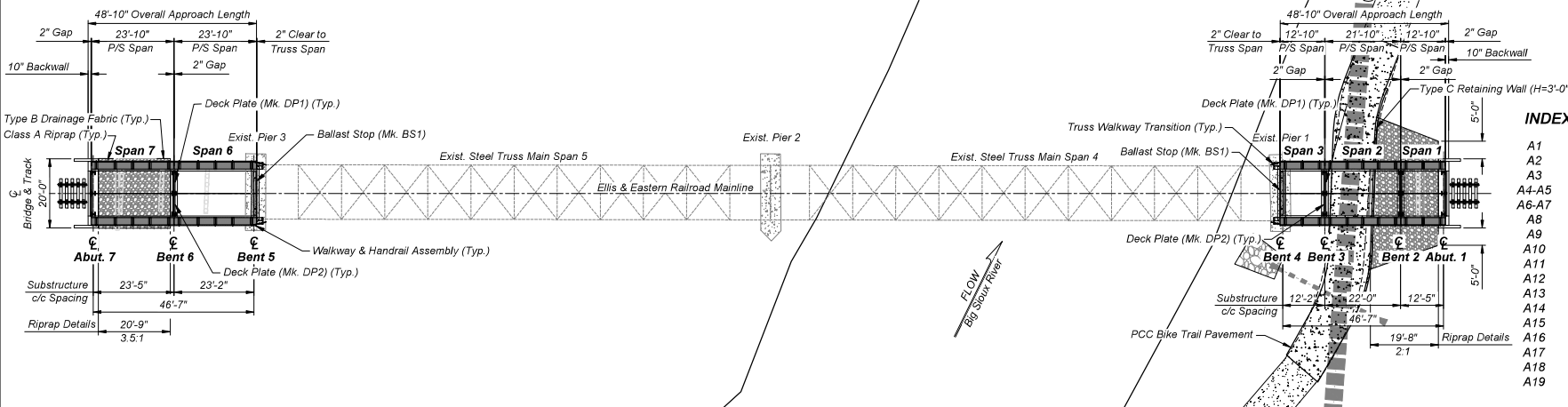
**NOTE:**  
EG = Existing Ground  
TR = Proposed Top of Rail  
"ELEV" is to Top of Rail



# GENERAL DRAWING

Ellis & Eastern Railroad Bridge P-125 in Sioux Falls, SD | M.P. 58.70

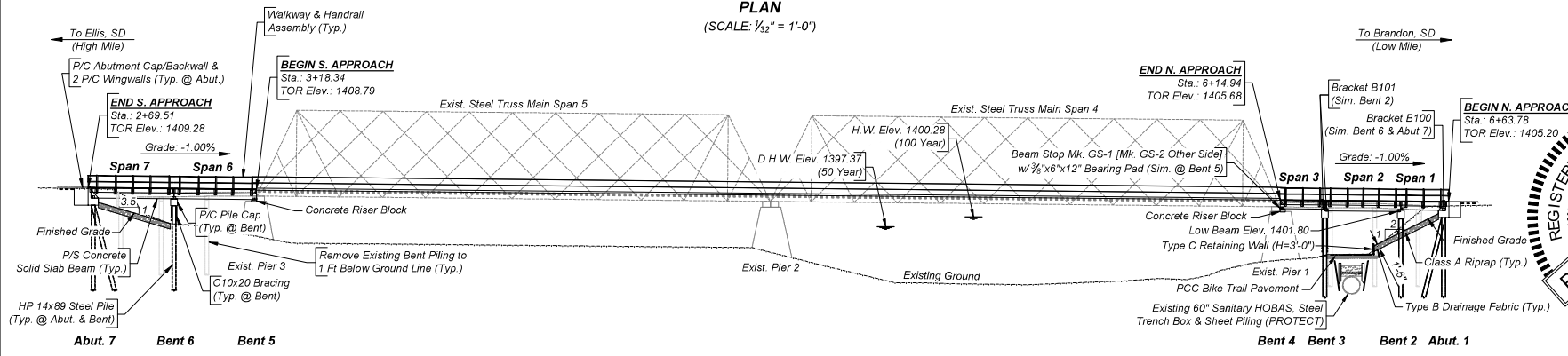
100% Plan Submittal



### INDEX OF BRIDGE SHEETS

A1	General Drawing
A2	Subsurface Investigation & Piling Layout
A3	General Bridge Section Details
A4-A5	Abutment 1 Details
A6-A7	Abutment 7 Details
A8	Bent 2 & 3 Details
A9	Bent 6 Details
A10	North Concrete Riser Block Details
A11	South Concrete Riser Block Details
A12	13 Ft Solid Slab Beam Details
A13	22 Ft Solid Slab Beam Details
A14	24 Ft Solid Slab Beam Details
A15	Miscellaneous Steel Details
A16	Bridge End Backfill & Bearing Details
A17	Walkway & Handrail Details
A18	Truss Walkway Transition Details
A19	Standard Plate No.'s 510.30 & 510.40

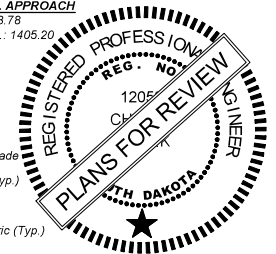
PLAN  
(SCALE: 1/32" = 1'-0")



ELEVATION  
(SCALE: 1/32" = 1'-0")

### LEGEND

P/S = Prestressed Concrete  
 P/C = Precast Concrete  
 TOR = Top of Rail



I, Chris J. Brozik, P.E., hereby acknowledge that these plans were prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota.

### HYDRAULIC DATA

(Per RESPEC Analysis)

Q <sub>d</sub>	15,700 cfs
Q <sub>100</sub>	20,900 cfs
A <sub>d</sub>	5,937 sq.ft.
V <sub>d</sub>	4.47 fps
V <sub>max</sub>	4.76 fps

Q<sub>d</sub> = Design discharge for the proposed bridge based on 50 year frequency, EI 1397.37  
 Q<sub>100</sub> = Design discharge for the proposed bridge based on 100 year frequency, EI 1400.28  
 V<sub>max</sub> = Maximum computed outlet velocity for the proposed bridge based on a 100 year frequency.



BRIDGE P-125 (A1) of (A19)

Ellis & Eastern RR - 2019 STC Phase 1	CAD Filename: Structure Details	CDI Project No. 2020-006	Drawn By: CJB	Checked By: CJB	Scale: As Shown	Date: 11/12/2021		609 Main Ave S Brookings, SD 605-696-3200	Sheet No: 35	Of No: 67
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# SUBSURFACE INVESTIGATION & PILING LAYOUT

100% Plan Submittal

**LEGEND -**

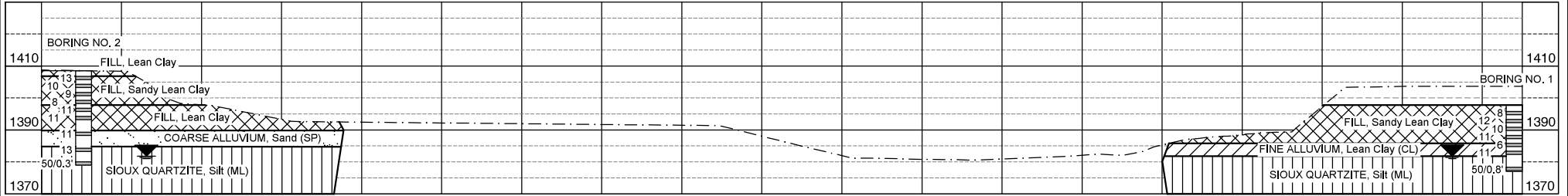
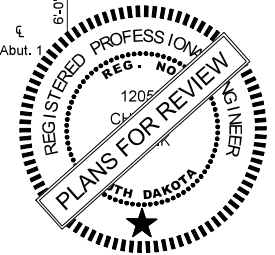
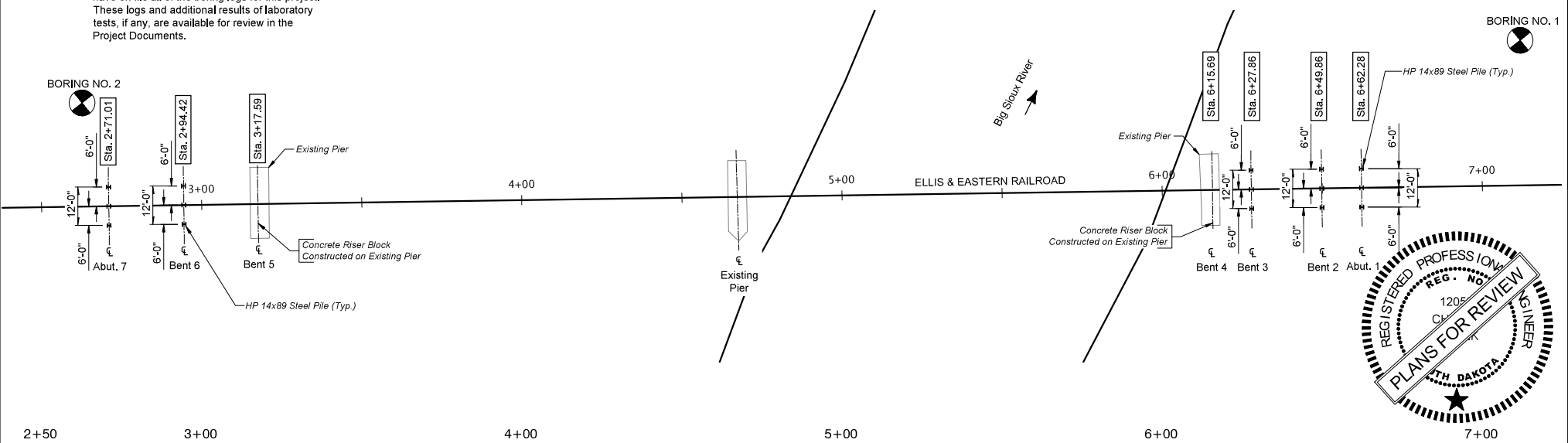
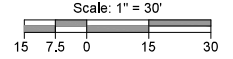
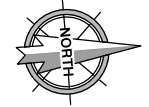
Water Table Elevation

Auger Test

Blows per foot Sample Zone

Values represent Standard Penetration Resistance ("N") values as indicated in the Geotechnical boring logs.

Civil Design Inc. and the Ellis & Eastern Railroad have on file all of the boring logs for this project. These logs and additional results of laboratory tests, if any, are available for review in the Project Documents.

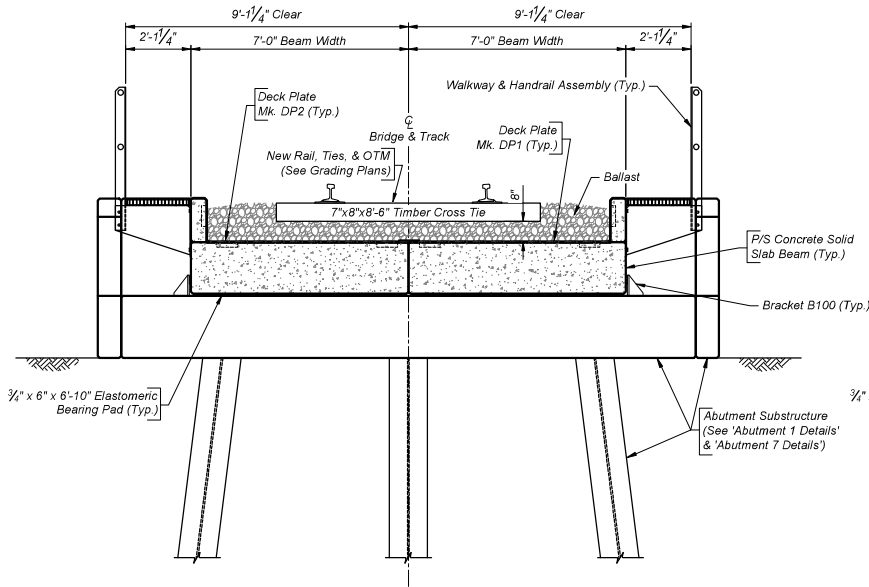


BRIDGE P-125 (A2) of (A19)

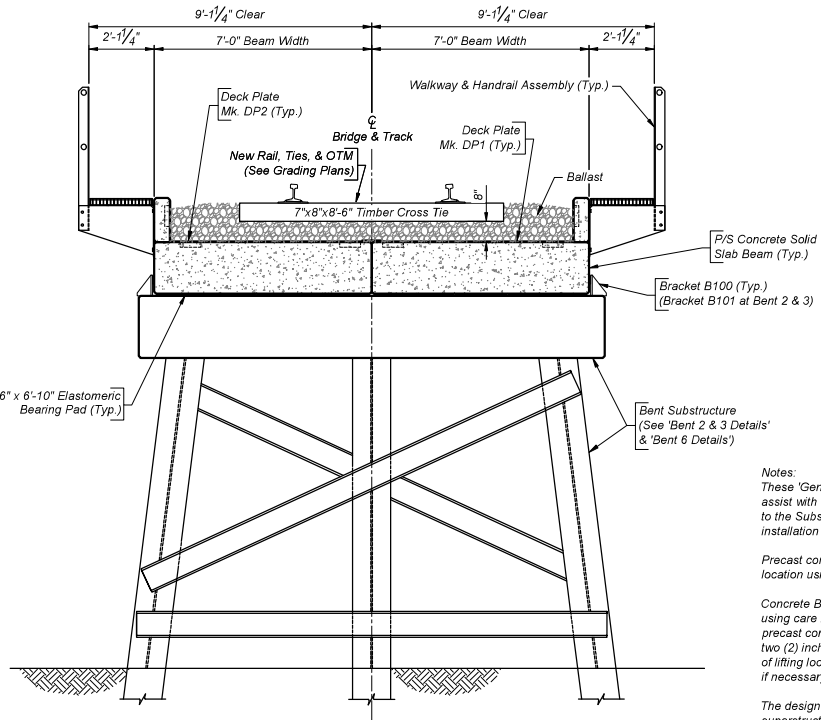
Ellis & Eastern RR - 2019 STC Phase 1	CAD Filename: FINAL DESIGN	CDI Project No. 2020-006	Drawn By: NRA	Checked By: CJB	Scale: 1" = 30'	Date: 11/12/2021	CIVIL DESIGN INC.	609 Main Ave S Brookings, SD 605-696-3200	Sheet No: <b>36</b>	of No: <b>67</b>
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**GENERAL BRIDGE SECTION DETAILS**

100% Plan Submittal



**TYPICAL CONCRETE SPAN AT ABUTMENT SUBSTRUCTURE  
(ABUTMENT 7 SHOWN)**  
(SCALE: 1/4" = 1'-0")



**TYPICAL CONCRETE SPAN AT BENT SUBSTRUCTURE  
(BENT 6 SHOWN)**  
(SCALE: 1/4" = 1'-0")

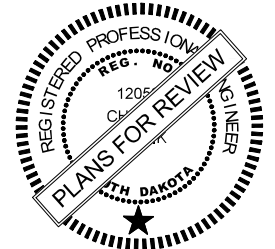
Notes:  
These 'General Bridge Section Details' are provided to assist with general details for connection of Superstructure to the Substructure as well as general superstructure installation information.

Precast concrete elements shall be placed in the proper location using care not to damage members.

Concrete Beam Spans shall be set in the proper location using care not to damage concrete members. After the precast concrete beam spans are set, burn off lifting hoops two (2) inches above concrete surface. Remaining portion of lifting loops are to be coated with paint. Patch recesses, if necessary, around lifting loops with epoxy mortar.

The design ballast depth from bottom of tie to top of superstructure decking shall be 8". The minimum ballast depth allowed below bottom of tie will be 6".

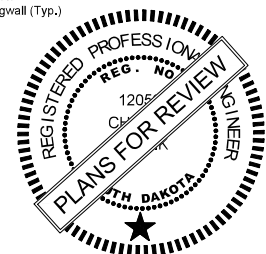
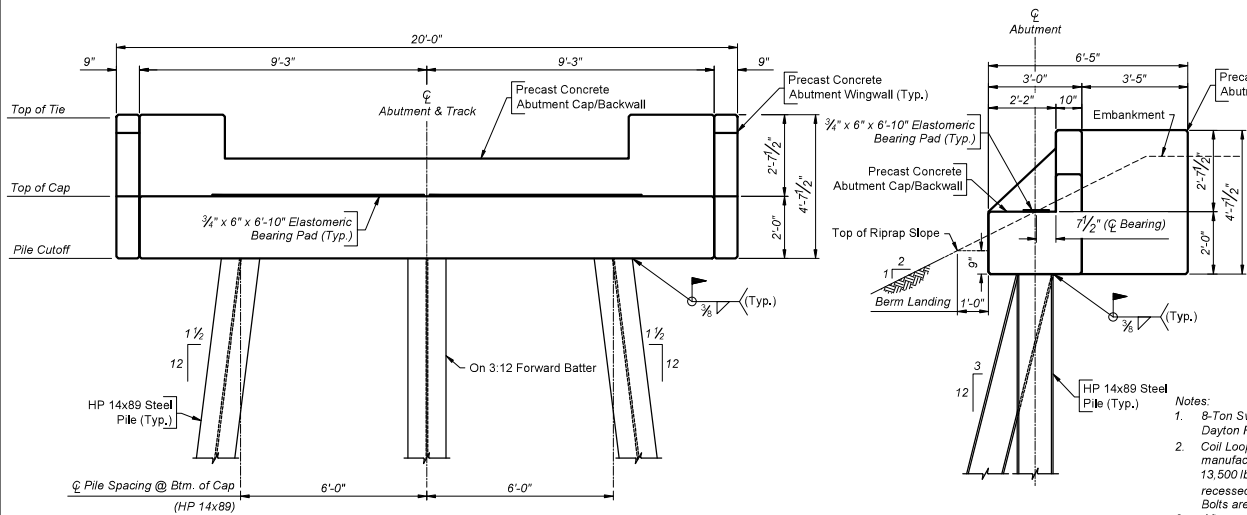
Any damage caused by the Contractor to any of the members during construction shall be repaired/replaced at the Contractor's expense.



BRIDGE P-125 (A3) of (A19)

### ABUTMENT 1 DETAILS

100% Plan Submittal



Note: This sheet is to be used in conjunction with Sheet No. A5 of A19.

- Notes:
- 8-Ton Swift Lift Recess Plugs, Anchors and Lifting Eyes shall be from Dayton Richmond, or approved equal.
  - Coil Loop Inserts are to be double flared type B17 1 1/4" Dia. x 12" as manufactured by Dayton-Superior and have a safe working load of 13,500 lbs with a 4 to 1 safety factor. The inserts are to be completely recessed with 1 1/2" Dia. x 13" spiral bolts attached to cap for shipment. Bolts are to be utilized for final wingwall connection to cap.
  - After precast concrete members are set, fill recesses at lift anchors with cement grout to top of surrounding concrete.
  - Prior to backfilling, apply one (1) field coat of chemical-mastic CM-15 to pile plates and top one (1) foot of piles.

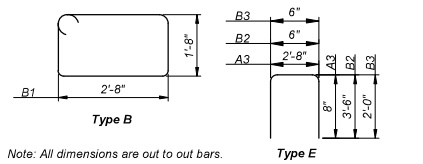
ELEVATION  
(SCALE: 1/4" = 1'-0")

SIDE VIEW  
(SCALE: 1/4" = 1'-0")

### LIST OF REINFORCING BARS

Mark	No.	Size	Length	Type
A1	9	8	18'-2"	Str.
A2	2	5	18'-2"	Str.
A3	2	5	4'-0"	E
A4	2	5	18'-2"	Str.
A5	8	5	2'-5"	Str.
B1	36	6	9'-8"	B
B2	10	5	7'-6"	E
B3	26	5	4'-6"	E

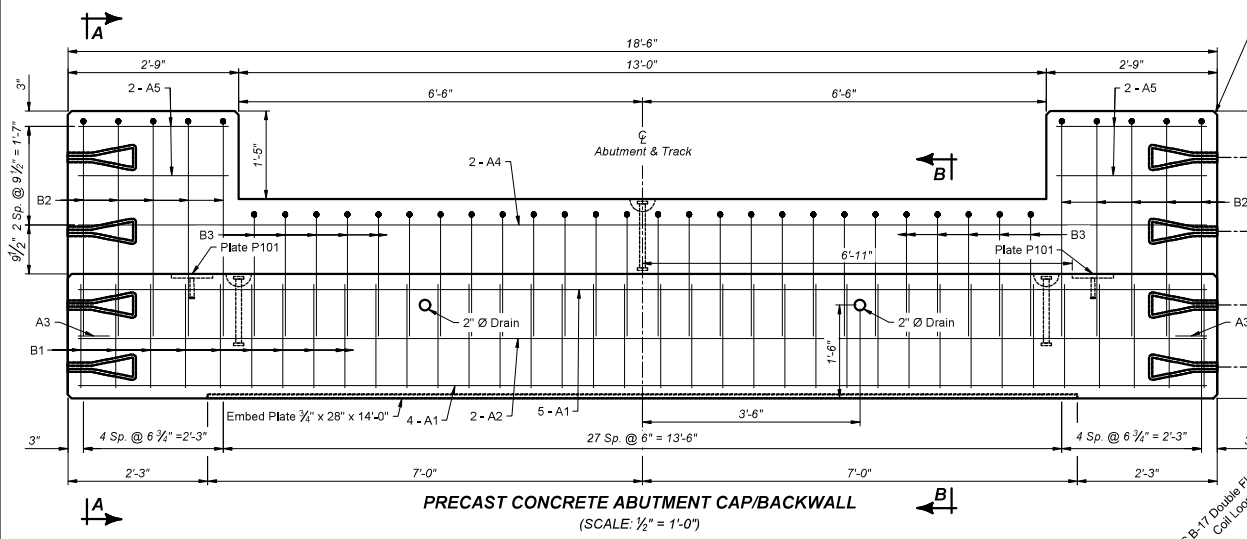
### Bending Details



Note: All dimensions are out to out bars.  
Note: For information purposes only, the amount of reinforcing steel per Precast Concrete Abutment Cap/Backwall is 1,264 lbs, concrete volume is 4.91 cu yd, and total weight is 9.9 Tons.

### TABLE OF ELEVATIONS

Abut. No.	Pile Cutoff	Top of Cap	Top of Tie
1	1400.12	1402.12	1404.64



SEC. A-A  
(SCALE: 1/2" = 1'-0")

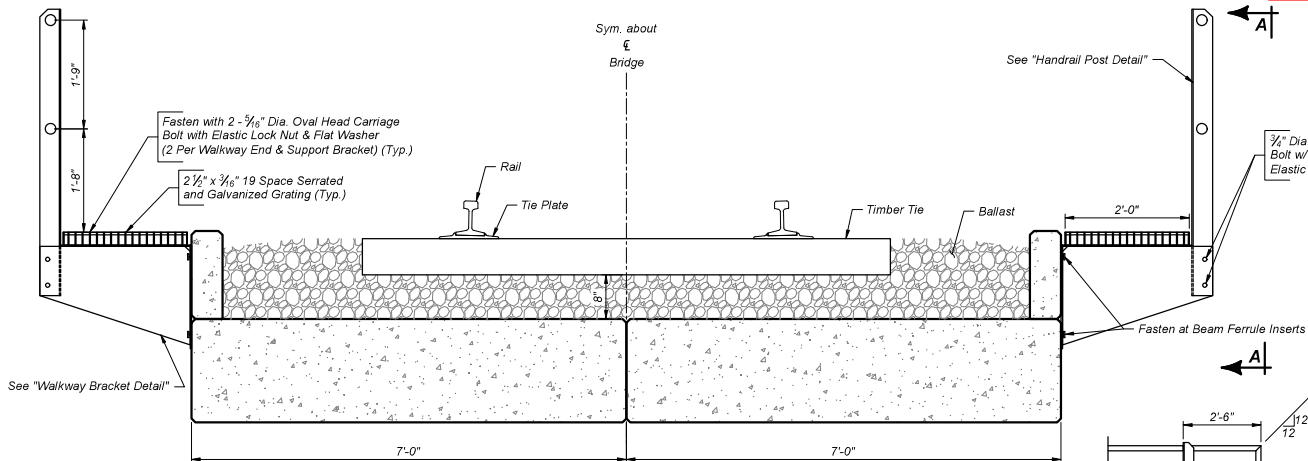
SEC. B-B  
(SCALE: 1/2" = 1'-0")

\*2" Ø drain, slope 2%, 4" square aluminum wire #4 mesh hardware cloth anchored firmly to concrete at each drain

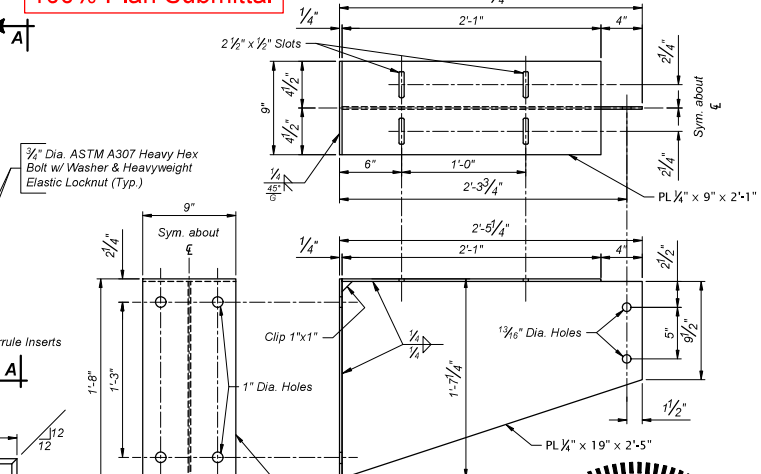
BRIDGE P-125 (A4) of (A19)

**WALKWAY & HANDRAIL DETAILS**

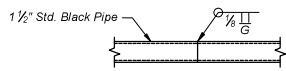
100% Plan Submittal



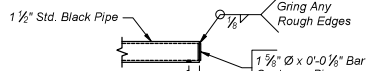
**SECTION - BEAM, WALKWAY & HANDRAIL**  
(SCALE: 1/2" = 1'-0")



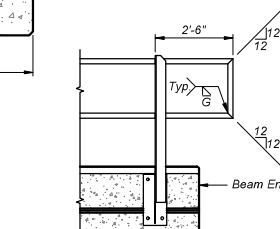
**WALKWAY BRACKET DETAIL**  
(SCALE: 1" = 1'-0")



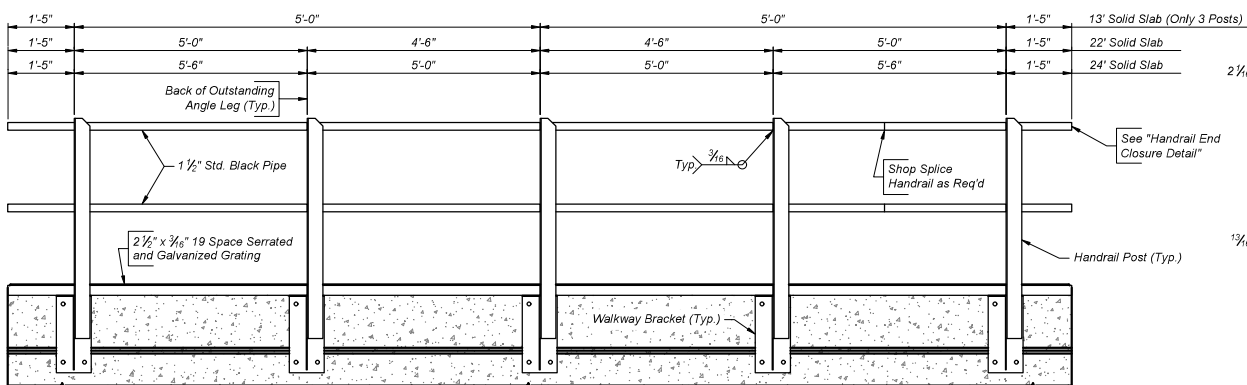
**HANDRAIL SHOP SPLICE DETAIL**  
(SCALE: 1" = 1'-0")



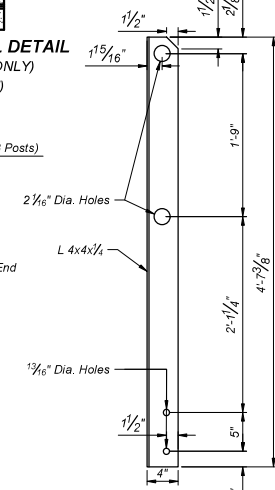
**HANDRAIL END CLOSURE DETAIL**  
(SCALE: 1" = 1'-0")



**END SPAN HANDRAIL DETAIL**  
(AT ABUTMENT END ONLY)  
(SCALE: 1/4" = 1'-0")



**VIEW A-A**  
(SCALE: 3/8" = 1'-0")



**HANDRAIL POST DETAIL**  
(SCALE: 3/4" = 1'-0")

**Walkway Notes:**

- Material shall conform to the following requirements:  
Rolled shapes & plates ASTM A36  
Pipe ASTM A500 Gr. B
- Design, fabrication and erection per the AREMA Manual for Railway Engineering, Chapter 15, Steel Structures
- Welding Requirements  
A. All welding shall be with SAW, SMAW, or GMAW process  
B. All welding per AWS D1.1, Structural Welding Code  
C. Welders must possess valid certification
- Handrail assemblies, Walkway Brackets and Grating to be galvanized after fabrication in accordance with ASTM A123. After galvanizing, all elements shall be free of fins, abrasions, rough or sharp edges, and other surface defects.

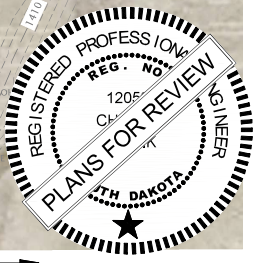
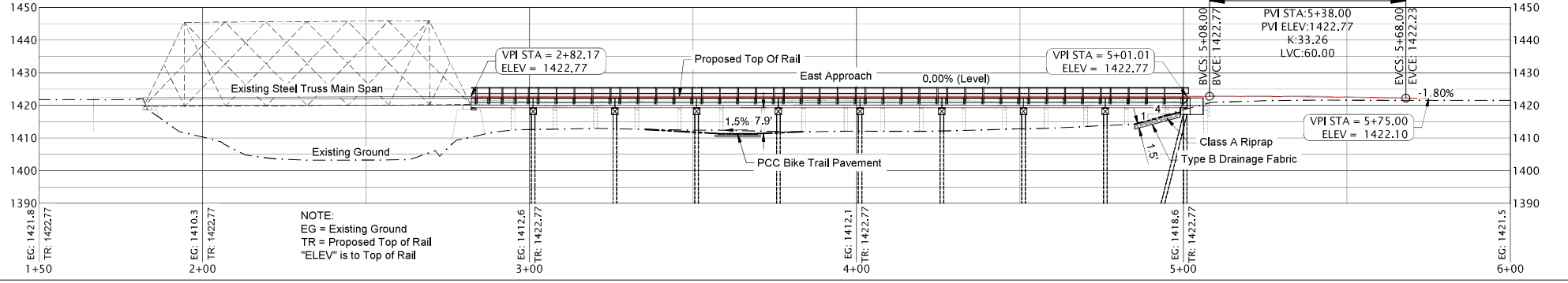
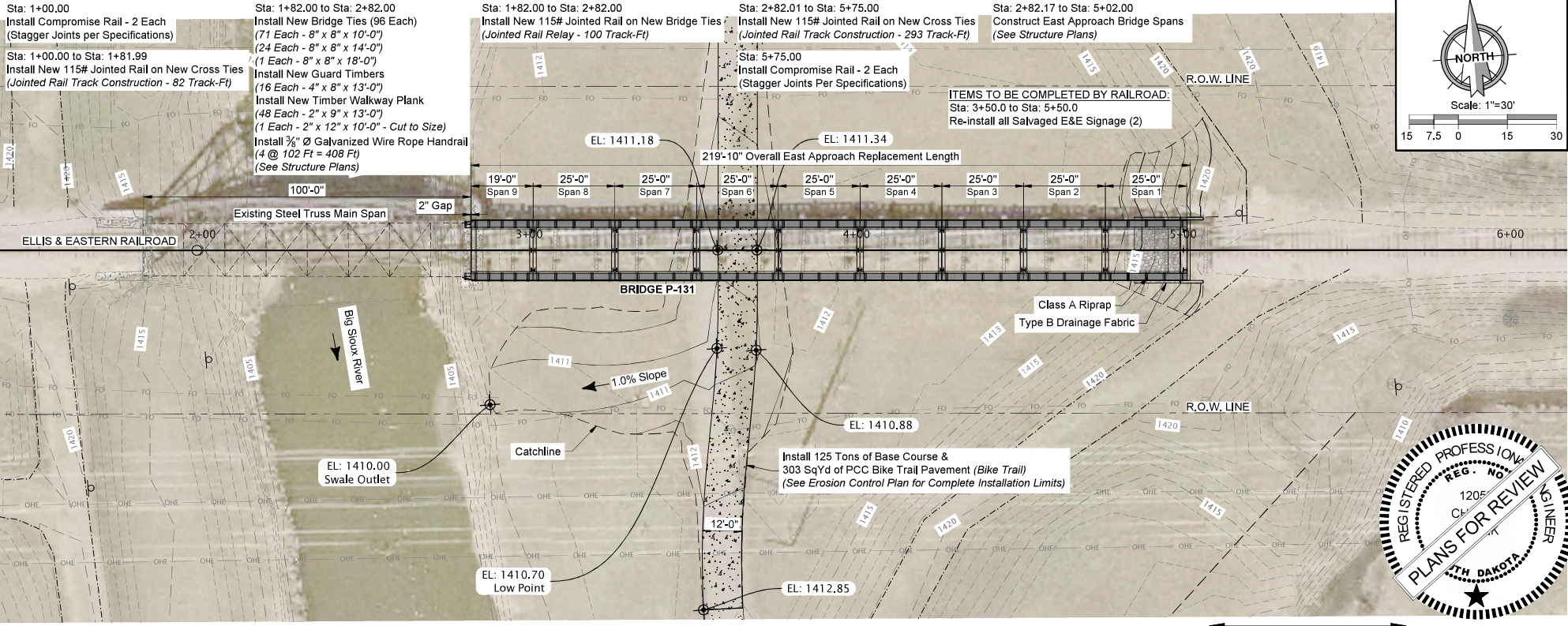
ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Walkway & Handrail System, Furnish & Install	Ft	192

Note:  
2 - 13 Ft Spans (2 Walkways) = 52 Ft  
1 - 22 Ft Span (2 Walkways) = 44 Ft  
2 - 24 Ft Spans (2 Walkways) = 96 Ft

BRIDGE P-125 (A17) of (A19)

**PLAN & PROFILE**  
**BRIDGE P-131 (MP 61.58)**

100% Plan Submittal



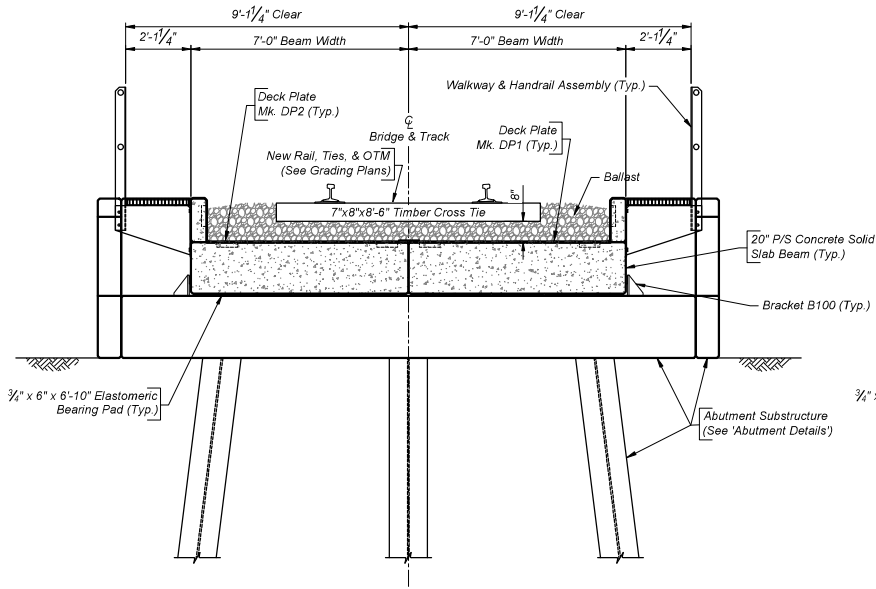
Ellis & Eastern RR - 2019 STC Phase 1

CAD Filename: FINAL DESIGN	CDI Project No. 2020-006	Drawn By: CJB	Checked By: CJB	Scale: H: 1" = 30' V: 1" = 30'	Date: 11/12/2021	609 Main Ave S Brookings, SD 605-696-3200	Sheet No: 26	of No: 67
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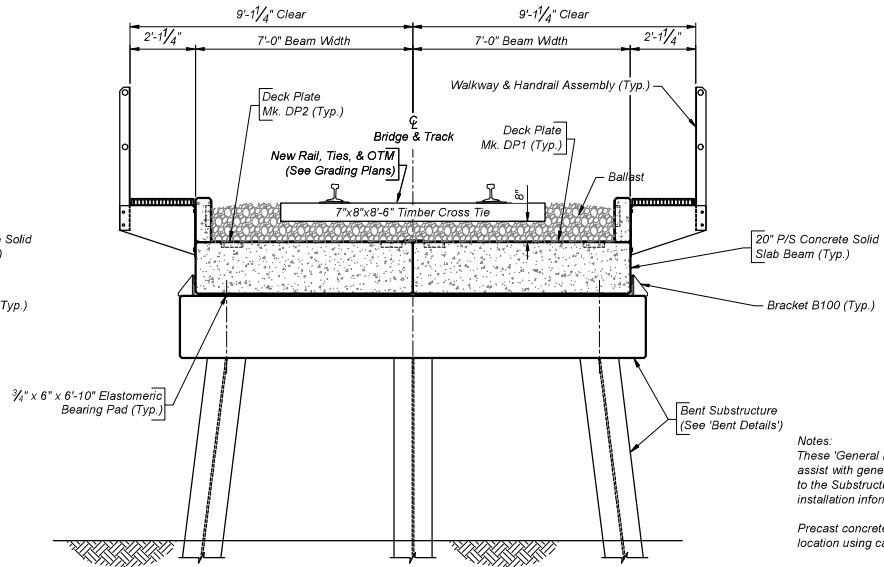


**GENERAL BRIDGE SECTION DETAILS**

**100% Plan Submittal**



**TYPICAL CONCRETE SPAN AT ABUTMENT SUBSTRUCTURE**  
(SCALE: 1/4" = 1'-0")



**TYPICAL CONCRETE SPAN AT BENT SUBSTRUCTURE**  
(SCALE: 1/4" = 1'-0")

**Notes:**  
These 'General Bridge Section Details' are provided to assist with general details for connection of Superstructure to the Substructure as well as general superstructure installation information.

Precast concrete elements shall be placed in the proper location using care not to damage members.

Concrete Beam Spans shall be set in the proper location using care not to damage concrete members. After the precast concrete beam spans are set, burn off lifting hoops two (2) inches above concrete surface. Remaining portion of lifting loops are to be coated with paint. Patch recesses, if necessary, around lifting loops with epoxy mortar.

The design ballast depth from bottom of tie to top of superstructure decking shall be 8". The minimum ballast depth allowed below bottom of tie will be 6".

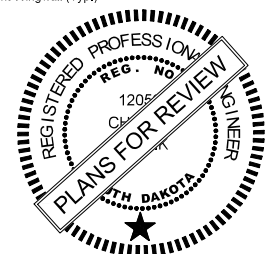
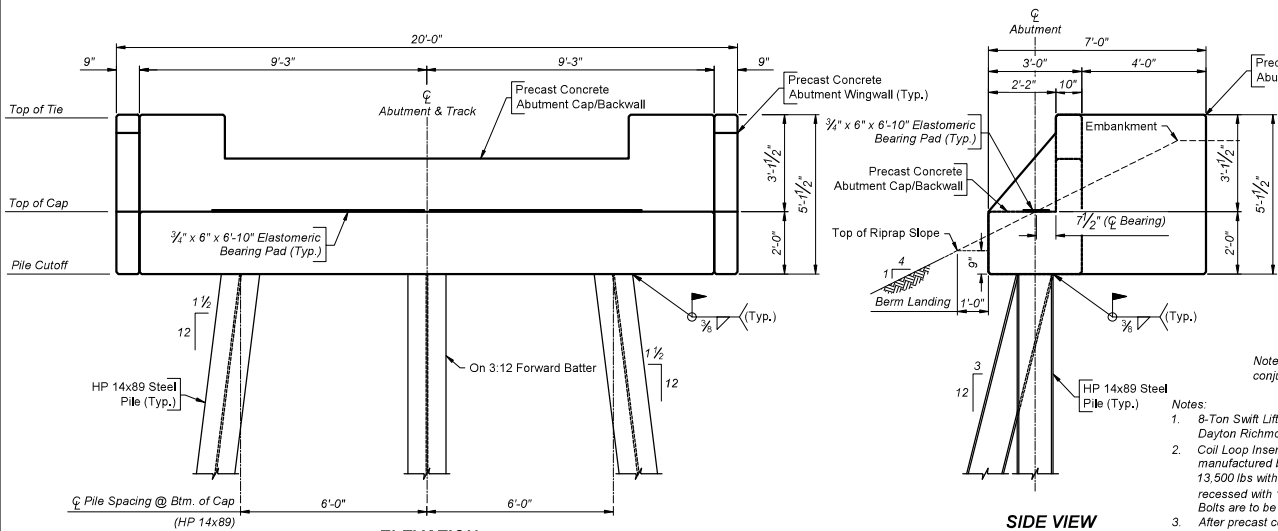
Any damage caused by the Contractor to any of the members during construction shall be repaired/replaced at the Contractor's expense.



BRIDGE P-131 (B3) of (B14)

### ABUTMENT DETAILS

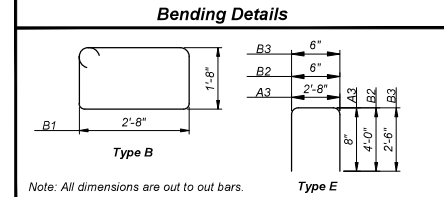
100% Plan Submittal



Note: This sheet is to be used in conjunction with Sheet No. B5 of B14.

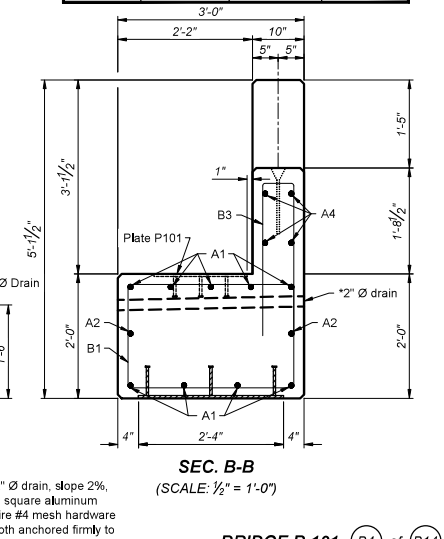
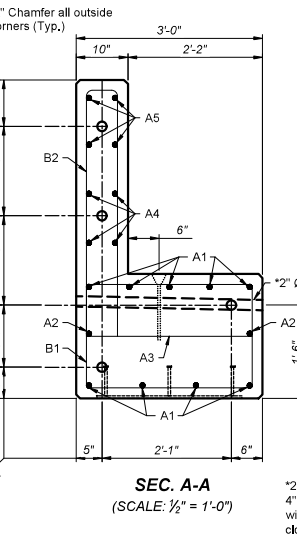
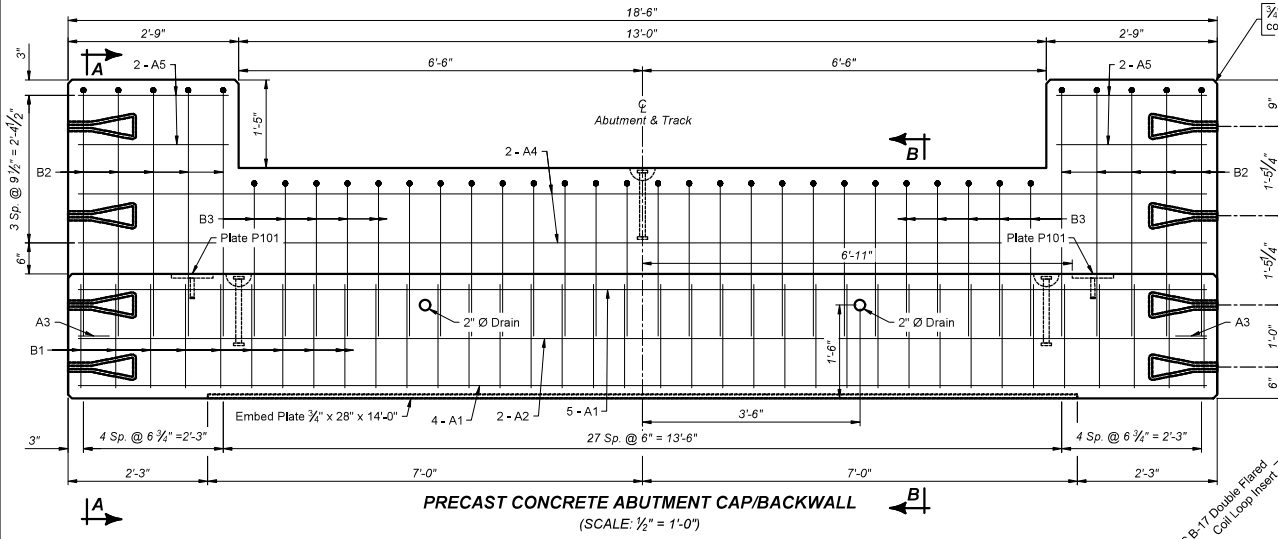
- Notes:
- 8-Ton Swift Lift Recess Plugs, Anchors and Lifting Eyes shall be from Dayton Richmond, or approved equal.
  - Coil Loop Inserts are to be double flared type B17 1 1/2" Dia. x 12" as manufactured by Dayton-Superior and have a safe working load of 13,500 lbs with a 4 to 1 safety factor. The inserts are to be completely recessed with 1 1/2" Dia. x 13" spiral bolts attached to cap for shipment. Bolts are to be utilized for final wingwall connection to cap.
  - After precast concrete members are set, fill recesses at lift anchors with cement grout to top of surrounding concrete.
  - Prior to backfilling, apply one (1) field coat of chemical-mastic CM-15 to pile plates and top one (1) foot of piles.

LIST OF REINFORCING BARS				
Mark	No.	Size	Length	Type
A1	9	8	18'-2"	Str.
A2	2	5	18'-2"	Str.
A3	2	5	4'-0"	E
A4	4	5	18'-2"	Str.
A5	8	5	2'-5"	Str.
B1	36	6	9'-8"	B
B2	10	5	8'-6"	E
B3	26	5	5'-6"	E



Note: All dimensions are out to out bars.  
 Note: For information purposes only, the amount of reinforcing steel per Precast Concrete Abutment Cap/Backwall is 1,339 lbs, concrete volume is 5.33 cu yd, and total weight is 10.8 Tons.

TABLE OF ELEVATIONS			
Abut. No.	Pile Cutoff	Top of Cap	Top of Tie
1	1417.18	1419.18	1422.20



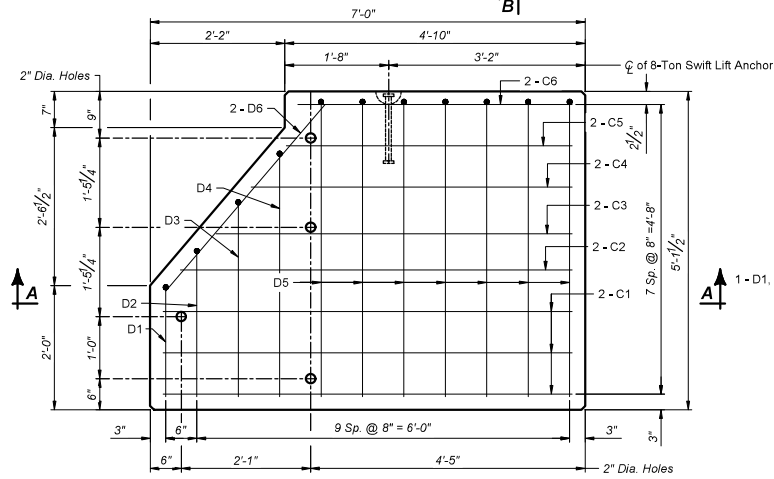
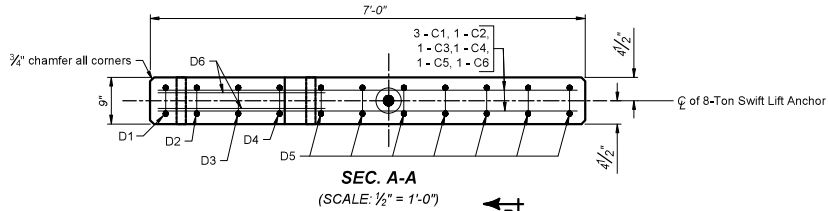
\*2" Ø drain, slope 2%, 4" square aluminum wire #4 mesh hardware cloth anchored firmly to concrete at each drain

BRIDGE P-131 (B4) of (B14)



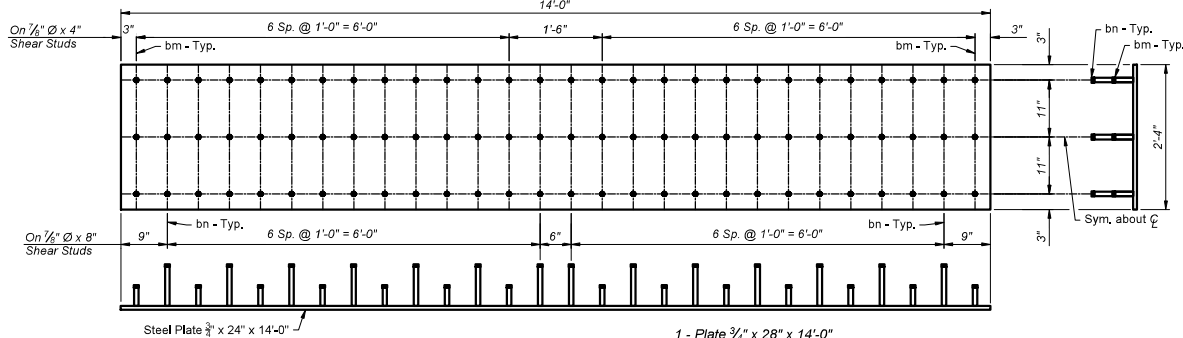
**ABUTMENT DETAILS (CONT.)**

**100% Plan Submittal**



**SEC. B-B**  
(SCALE: 1/2" = 1'-0")

**PRECAST WINGWALL**  
(SCALE: 1/2" = 1'-0")



**EMBED PLATE**  
(SCALE: 1/2" = 1'-0")

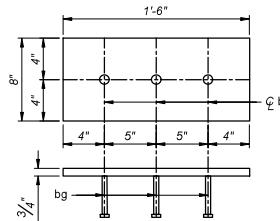
1 - Plate 3/4" x 28" x 14'-0"  
42 - 7/8" dia x 4" Shear Studs - bm  
42 - 7/8" dia x 8" Shear Studs - bn  
Total Weight = 1,087 lbs

Note: This sheet is to be used in conjunction with Sheet No. B4 of B14.

LIST OF REINFORCING BARS					Bending Details
Mark	No.	Size	Length	Type	
C1	6	4	6'-7"	Str.	
C2	2	4	6'-4"	Str.	
C3	2	4	5'-9"	Str.	
C4	2	4	5'-2"	Str.	
C5	2	4	4'-7"	Str.	
C6	2	4	4'-5"	Str.	
D1	1	4	3'-11"	C	<p>Note: All dimensions are out to bar bars.</p>
D2	1	4	5'-1"	C	
D3	1	4	6'-9"	C	
D4	1	4	8'-3"	C	
D5	7	4	9'-10"	C	
D6	2	4	3'-11"	Str.	

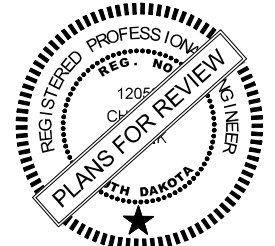
Note: For information purposes only, the amount of reinforcing steel per Precast Concrete Wingwall is 129 lbs, concrete volume is 0.88 cu yd, and total weight is 1.8 Tons.

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
		Abut. No. 1
Structure Excavation, Bridge	CuYd	7.9
Precast Concrete Abutment Cap/Backwall, Furnish	Each	1
Precast Concrete Abutment Cap/Backwall, Install	Each	1
Precast Concrete Wingwall, Furnish	Each	2
Precast Concrete Wingwall, Install	Each	2
HP 14x89 Steel Test Pile, Furnish & Drive	Ft	1 @ 105' = 105'
HP 14x89 Steel Bearing Pile, Furnish & Drive	Ft	2 @ 100' = 200'
HP 14 Pile Tip Reinforcement	Each	3

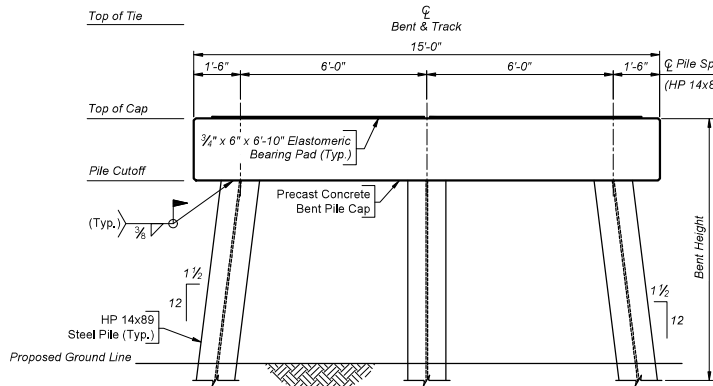


**PLATE P101**  
(SCALE: 1" = 1'-0")

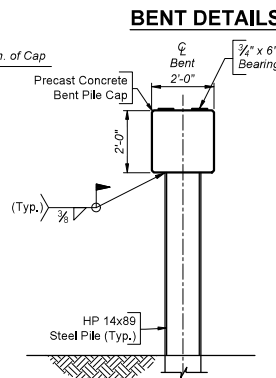
1 - Plate 8" x 3/4" x 1'-6"  
3 - 7/8" dia x 4" Studs - bg  
Weight 32.7 lbs



BRIDGE P-131 (B5) of (B14)

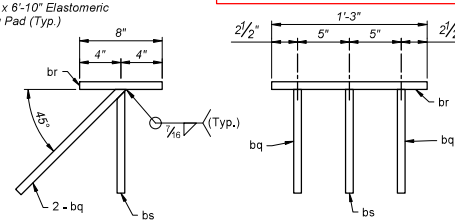


**TYPICAL BENT SECTION**  
(SCALE: 1/4" = 1'-0")



**SIDE VIEW**  
(SCALE: 1/4" = 1'-0")

**100% Plan Submittal**



**PLATE P105**  
(SCALE: 1" = 1'-0")  
1 - Plate 8" x 3/4" x 1'-3" - br  
2 - Bars #6 x 1'-2" (A706) - bq  
1 - Bar #6 x 10" (A706) - bs  
Weight = 31 lbs

**Notes:**

- 8-Ton Swift Lift Recess Plugs, Anchors and Lifting Eyes shall be from Dayton Richmond, or approved equal.
- After precast concrete members are set, fill recesses at lift anchors with cement grout to top of surrounding concrete.
- After installation, apply one (1) field coat of chemical-mastic CM-15 to pile plates, areas of piling requiring touch up following pile driving, and weld locations.



LIST OF REINFORCING BARS				
Mark	No.	Size	Length	Type
E1	12	8	14'-8"	Str.
E2	2	5	14'-8"	Str.
E3	2	5	3'-4"	E
F1	60	5	6'-8"	B

**Bending Details**

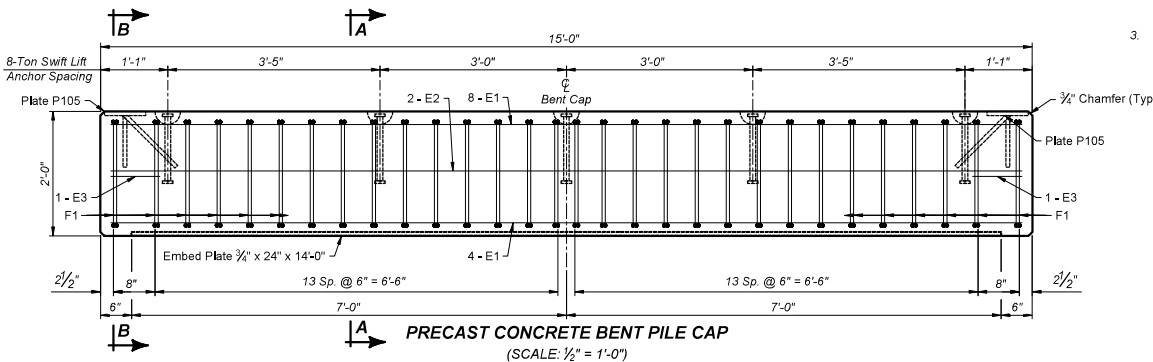
Note: All dimensions are out to out bars.

Note: For information purposes only, the amount of reinforcing steel per 2'x2'x15' Precast Concrete Bent Cap is 925 lbs, concrete volume is 2.22 cu yd, and total weight is 4.5 Tons.

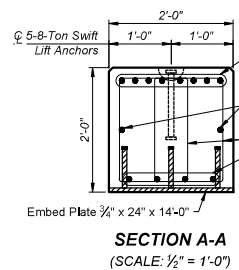
ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
		For Each Bent (Bent No. 2 - 9)
2'x2'x15' Precast Concrete Bent Cap, Furnish	Each	1
2'x2'x15' Precast Concrete Bent Cap, Install	Each	1
HP 14x89 Steel Test Pile, Furnish & Drive	Ft	1 @ 105' = 105'
HP 14x89 Steel Bearing Pile, Furnish & Drive	Ft	2 @ 100' = 200'
HP 14 Pile Tip Reinforcement	Each	3

TABLE OF ELEVATIONS				
Bent No.	Pile Cutoff	Top of Cap	Top of Tie	Bent Height
2 - 9	1417.18	1419.18	1422.20	± 5.4 - 7.5 Ft

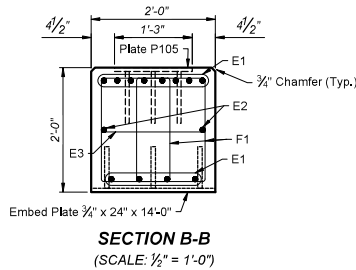
Note: All Bent locations are the same elevation (Track Grade = 0.00%)



**PRECAST CONCRETE BENT PILE CAP**  
(SCALE: 1/2" = 1'-0")



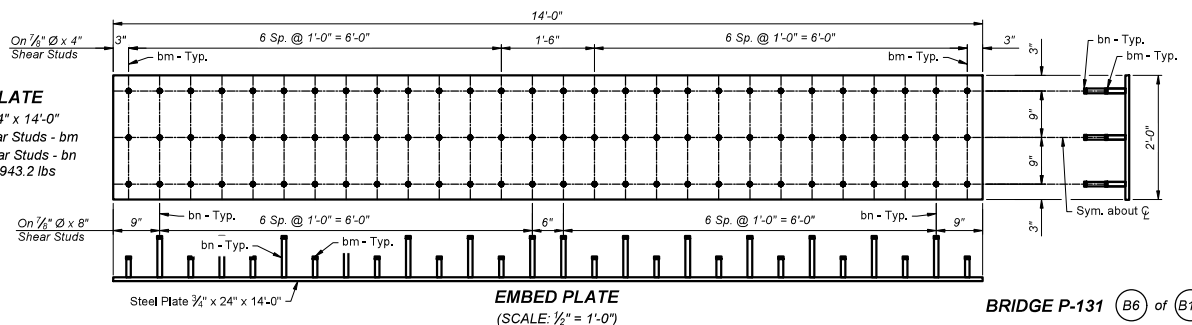
**SECTION A-A**  
(SCALE: 1/2" = 1'-0")



**SECTION B-B**  
(SCALE: 1/2" = 1'-0")

**EMBED PLATE**

- 1 - Plate 3/4" x 24" x 14'-0"
- 42 - 7/8"Ø x 4" Shear Studs - bm
- 42 - 7/8"Ø x 8" Shear Studs - bn
- Total Weight = 943.2 lbs



**EMBED PLATE**  
(SCALE: 1/2" = 1'-0")

BRIDGE P-131 (B6) of (B14)

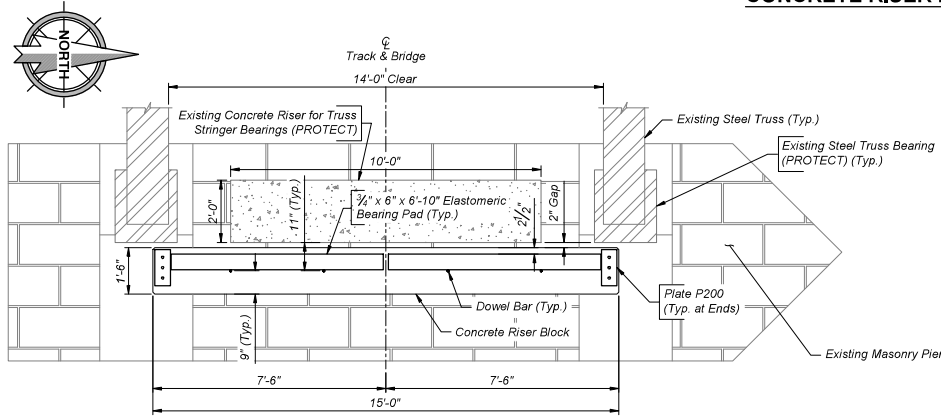
### CONCRETE RISER BLOCK DETAILS

100% Plan Submittal

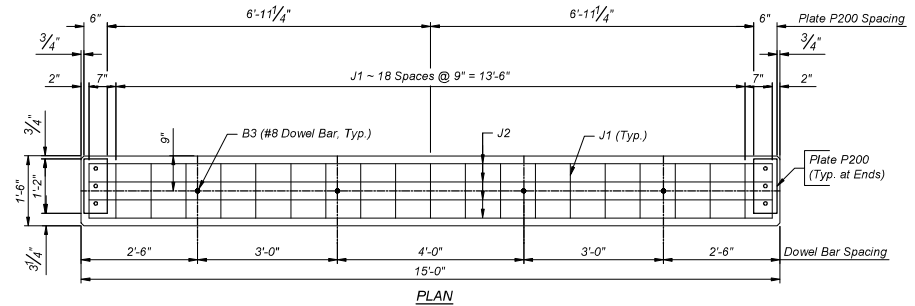
#### LIST OF REINFORCING BARS

Mark	No.	Size	Length	Type
J1	21	5	1'-3"	Str.
J2	4	5	14'-8"	Str.
B3	4	8	2'-0"	Str.

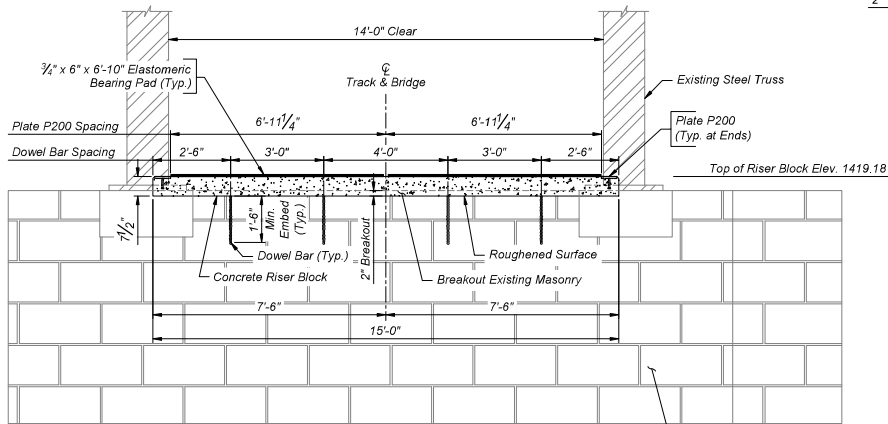
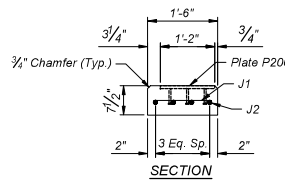
Note: All dimensions are out to out bars.



PLAN - EXISTING EAST PIER  
(SCALE: 1/4" = 1'-0")



ELEVATION  
CONCRETE RISER BLOCK DETAILS  
(SCALE: 3/8" = 1'-0")



ELEVATION - EXISTING EAST PIER  
(SCALE: 1/4" = 1'-0")

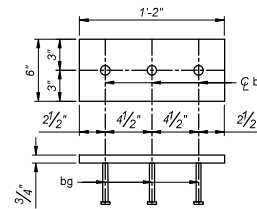
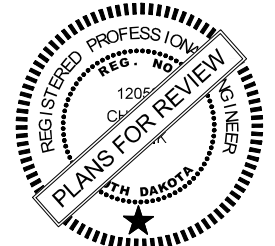


PLATE P200  
(SCALE: 1" = 1'-0")  
1- Plate 6" x 3/4" x 1'-2"  
3 - 3/8" Ø x 4" Studs - bg  
Weight 20.0 lbs

#### ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Concrete Riser Block	Each	1

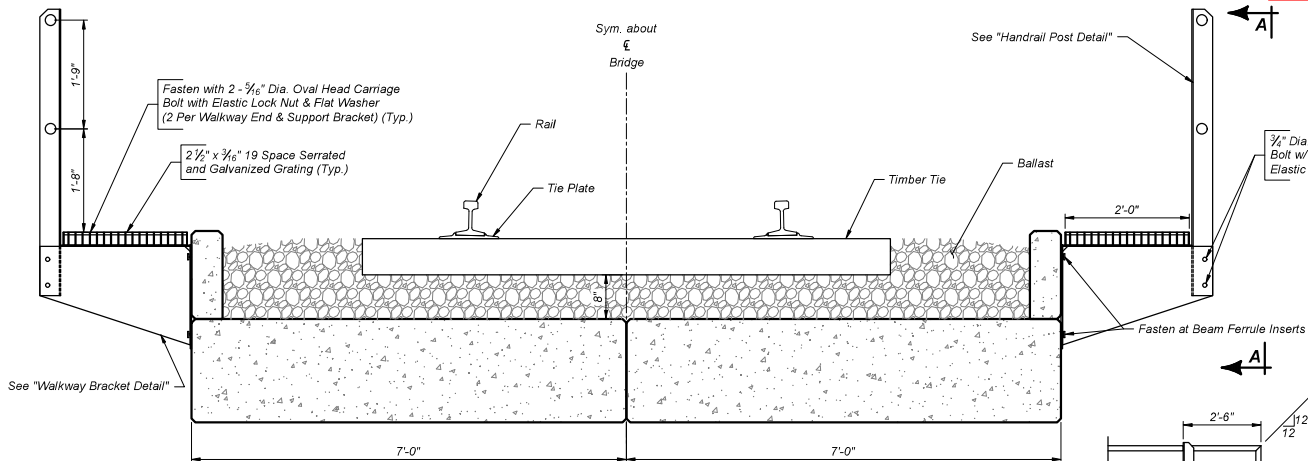
Note: For information purposes only, the amount of breakout masonry pier is 0.14 CuYd, reinforcing steel is 110 Lbs, & concrete volume is 0.52 CuYd.



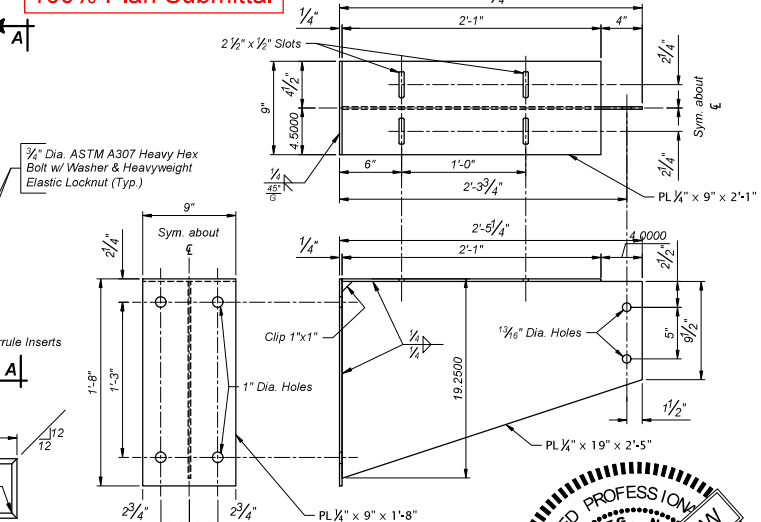
BRIDGE P-131 (B7) of (B14)

### WALKWAY & HANDRAIL DETAILS

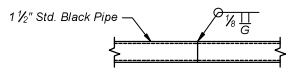
100% Plan Submittal



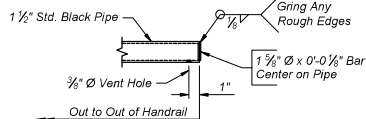
**SECTION - BEAM, WALKWAY & HANDRAIL**  
(SCALE: 1/2" = 1'-0")



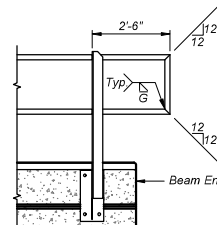
**WALKWAY BRACKET DETAIL**  
(SCALE: 1" = 1'-0")



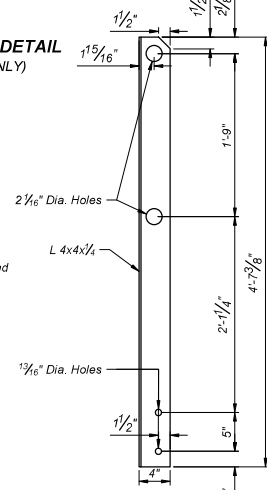
**HANDRAIL SHOP SPLICE DETAIL**  
(SCALE: 1" = 1'-0")



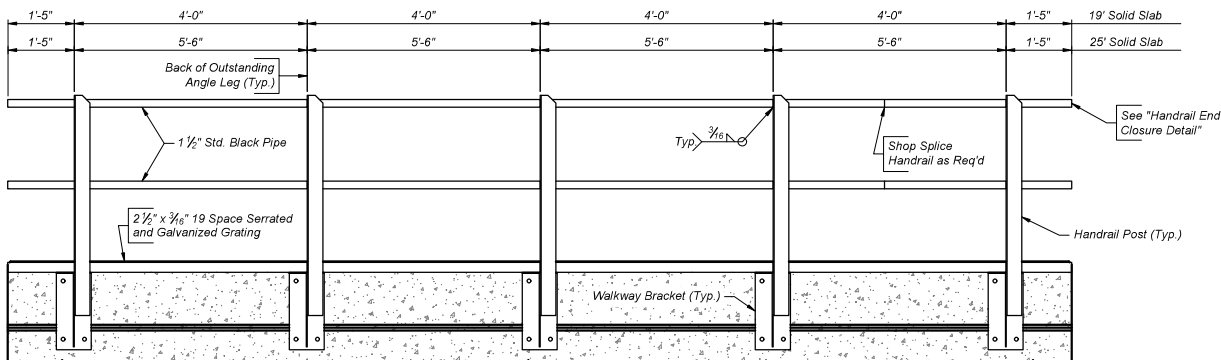
**HANDRAIL END CLOSURE DETAIL**  
(SCALE: 1" = 1'-0")



**END SPAN HANDRAIL DETAIL**  
(AT ABUTMENT END ONLY)  
(SCALE: 1/4" = 1'-0")



**HANDRAIL POST DETAIL**  
(SCALE: 3/4" = 1'-0")



**VIEW A-A**  
(SCALE: 3/8" = 1'-0")

**Walkway Notes:**

- Material shall conform to the following requirements:  
 Rolled shapes & plates ASTM A36  
 Pipe ASTM A500 Gr. B
- Design, fabrication and erection per the AREMA Manual for Railway Engineering, Chapter 15, Steel Structures
- Welding Requirements  
 A. All welding shall be with SAW, SMAW, or GMAW process  
 B. All welding per AWS D1.1, Structural Welding Code  
 C. Welders must possess valid certification
- Handrail assemblies, Walkway Brackets and Grating to be galvanized after fabrication in accordance with ASTM A123. After galvanizing, all elements shall be free of fins, abrasions, rough or sharp edges, and other surface defects.

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Walkway & Handrail System, Furnish & Install	Ft	438

Note:  
 1 - 19 Ft Span (2 Walkways) = 38 Ft  
 8 - 25 Ft Spans (2 Walkways) = 400 Ft

BRIDGE P-131 (B12) of (B14)



south dakota  
STATE HISTORICAL SOCIETY  
DEPARTMENT OF EDUCATION



March 18, 2022

Ms. Amanda E. Ciampolillo  
Supervisory Environmental Protection Specialist  
Federal Railroad Administration  
1200 New Jersey Avenue SE  
Washington, DC 20590

### **RECOMMENDATIONS FOR SECTION 106 PROJECT CONSULTATION**

Project: 220208002F – Ellis and Eastern Sioux Falls Area Bridges  
Location: Minnehaha County  
(FRA/SDDOT)

Dear Ms. Ciampolillo,

Thank you for the opportunity to comment on the above-referenced project pursuant to 54 U.S.C. 306108 (Section 106) of the National Historic Preservation Act of 1966 (as amended). The Office of the South Dakota State Historic Preservation Officer (SHPO) has the following comments regarding the effect of the proposed undertaking on the non-renewable cultural resources of South Dakota.

On January 28, 2022, we received your letter and report titled “A Level III Cultural Resources Survey of Ellis & Eastern Railroad Bridge Nos. P106, P125, and P131, Minnehaha County, South Dakota” prepared by Jason M. Kruse from the Archeology Laboratory at Augustana University. Mr. Kruse’s report indicates that bridges P106 (MH00000904), P125 (MH00001718), and P131 (MH00001562) have planned repairs. Based on information provided, the aforementioned bridges are currently listed as Eligible for listing in the National Register of Historic Places.

Further information was provided on March 15, 2022, clarifying what the visual impact of the proposed new materials that would be used in the repairs would have on these bridges. Based on the information provided, SHPO does not concur with the determination of “No Adverse Effects.” SHPO recommends a determination of “Adverse Effect” based on the following:

- 36 C.F.R. § 800.5.a.1 – The proposed undertaking for bridges P125 (MH00001718) and P131 (MH00001562) would directly alter characteristics of the historic property that qualify the property for inclusion in the National Register by diminishing the integrity of the property. The proposed undertaking would affect these bridges’ integrity of design, material, feeling, and association.

- 36 C.F.R. § 800.5.a.2.ii – The proposed undertaking for bridges P125(MH00001718) and P131 (MH00001562) is not consistent with the Secretary's Standards for the Treatment of Historic Properties (36 CFR § 68) and applicable guidelines.
  - 36 CFR § 68.3.b.6 – The proposed undertaking is not consistent with the *Standards for Rehabilitation* based upon the replacement materials not matching the old material in design, color, texture, and material.
- 36 C.F.R. § 800.5.a.2.v - The proposed repairs to bridges P125(MH00001718) and P131 (MH00001562) would introduce visual elements that would diminish the historic properties' integrity. Namely, the integrity of these bridges would be affected by replacing the existing timber pile approaches with steel H-pile and precast-concrete railroad ties/tubs.

Pursuant to 36 C.F.R. § 800.6, please continue consultation should continue with SHPO and other appropriate parties to resolve the adverse effect the proposed undertaking will have on historic properties.

Comments from SHPO does not relieve the federal agency official from consulting with other appropriate parties, as described in 36 C.F.R. § 800.2(c).

Should you require any additional information, please do not hesitate to contact Katie Wasley at [Katie.Wasley@state.sd.us](mailto:Katie.Wasley@state.sd.us) or (605)773-2906. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,

Ted Spencer  
State Historic Preservation Officer



Katie Wasley  
Historic Preservation Specialist



U.S. Department  
of Transportation

**Federal Railroad  
Administration**

1200 New Jersey Avenue, SE  
Washington, DC 20590

July 11, 2022

Ted M. Spencer  
State Historic Preservation Officer  
South Dakota State Historic Preservation Office  
900 Governors Drive  
Pierre, SD 57501

**Re: Ellis and Eastern Sioux Falls Area Bridges  
Minnehaha County, South Dakota  
Continuing Section 106 Consultation and Finding of Adverse Effect  
Project: 220208002F**

Dear Ted M. Spencer:

The Federal Railroad Administration (FRA) is in receipt of your letter dated March 18, 2022 in which the South Dakota State Historic Preservation Officer (SD SHPO) objects to the FRA's January 28, 2022 proposed finding of No Adverse Effect to historic properties under Section 106 of the National Historic Preservation Act (NHPA) regarding the repair and rehabilitation of three railroad bridges over Big Sioux River in Minnehaha County, South Dakota. In accordance with 36 CFR § 800.5(c)(2)(i), the FRA and SD SHPO met on April 8, 2022 to continue consultation in an effort to resolve the disagreement.

The purpose of this letter is to acknowledge that the undertaking would result in an Adverse Effect to historic properties in accordance with 36 CFR § 800.5(d)(2). As a result of continued consultation, the FRA determined the undertaking would alter non-contributing portions of Bridge P-125 (MH0001718) and Bridge P-131 (MH00001562) in a manner that adversely affects the characteristics that qualify Bridge P-125 and Bridge P-131 for inclusion in the National Register of Historic Places (NRHP) in a manner consistent with 36 CFR § 800.5(a)(2)(v).

FRA seeks to continue consultation in accordance with to 36 CFR § 800.6 Resolution of Adverse Effects. Pursuant to 36 CFR § 800.6(1)(i), FRA will notify the Advisory Council on Historic Preservation (ACHP) of the adverse effect finding by providing the documentation specified in 36 CFR § 800.11(e).

### **Consulting Parties**

In accordance with 36 CFR §800.2(c)(3) and (5), FRA identified parties to review the proposed project and comment on its potential to affect historic properties. FRA invited the following organizations to participate as consulting parties in the Section 106 process for the undertaking:

- Ellis & Eastern Company
- Sioux Falls Board of Preservation
- South Dakota Department of Transportation (SDDOT)

Pursuant to CFR § 800.2(c)(2), FRA invited the following federally-recognized Tribes to participate in the consultation:

- Apache Tribe of Oklahoma
- Cheyenne and Arapahoe Tribes, Oklahoma
- Flandreau Santee Sioux Tribe of South Dakota
- Fort Belknap Community of the Fort Belknap Reservation of Montana
- Lower Sioux Indian Community in the State of Minnesota
- Ponca Tribe of Nebraska
- Prairie Island Indian Community in the State of Minnesota
- Santee Sioux Nation, Nebraska
- Sisseton-Wahpeton Oyate of the Lake Traverse Reservation, South Dakota
- Spirit Lake Tribe, North Dakota
- Upper Sioux Community, Minnesota
- Yankton Sioux Tribe of South Dakota

FRA welcomes your assistance in identifying additional consulting parties that may be interested in the undertaking. FRA will reach out to your office and all consulting parties to discuss potential mitigation of the adverse effect to historic properties through the development of a Memorandum of Agreement (MOA).

FRA requests your concurrence on the revised finding of an **Adverse Effect** for this undertaking. An emailed response is preferred to ensure timely receipt of your response. If you have any questions or wish to discuss this undertaking further, please contact Shauna Haas, Environmental Protection Specialist at Shauna.Haas@dot.gov or 857-998-3008. Thank you for your continued cooperation.

Sincerely,



Amanda Murphy  
Acting Federal Preservation Officer  
Federal Railroad Administration

cc: Amanda Ciampolillo, Supervisory Environmental Protection Specialist, FRA  
Shauna Haas, Environmental Protection Specialist, US DOT Volpe Center  
Katie Wasley, Historic Preservation Specialist, SD SHPO





July 14, 2022

Amanda Murphy  
Federal Railroad Administration  
1200 New Jersey Ave, SE  
Washington, District of Columbia 20590

**SECTION 106 PROJECT CONSULTATION - ADDITIONAL INFORMATION REQUESTED**

Project: 220711008F – Ellis and Eastern Sioux Falls Area Bridges  
Location: Minnehaha  
FRA - Federal Railroad Administration

Dear Amanda,

Thank you for the opportunity to comment on the above referenced project pursuant to 54 U.S.C. 306108, also known as Section 106 of the National Historic Preservation Act of 1966 (as amended). The South Dakota Office of the State Historic Preservation Officer (SHPO) concurs with your determination regarding the effect of the proposed undertaking on the non-renewable cultural resources of South Dakota.

On January 28, 2022, we received your letter and report titled "A Level III Cultural Resources Survey of Ellis & Eastern Railroad Bridge Nos. P106, P125, and P131, Minnehaha County, South Dakota" prepared by Jason M. Kruse from the Archaeology Laboratory at Augustana University. The proposed undertaking involved alterations and repairs to bridges P106 (MH00000904), P125 (MH00001718), and P131 (MH00001652), which are eligible for the National Register of Historic Places. The SHPO project number assigned at this date was 220208002F. On March 15, 2022, further information was provided in reference to the undertaking and on March 18, 2022, SHPO determined that the proposed undertaking would have an "Adverse Effect." The proposed undertaking would alter the integrity of design, material, feeling, and association of the historic properties that would qualify the bridges for inclusion in the National Register. On April 8, 2022, SHPO and FRA had a meeting to discuss the proposed undertaking and its effects on the properties.

On July 11, 2022, SHPO received your letter via our Electronic Review & Compliance (ERC) system containing your agency's revised Determination of Effect for the proposed undertaking. Our ERC system assigned this submission SHPO project number 220711008F. Pursuant to 36 CFR § 800.5, this undertaking will constitute an adverse effect to the historic properties involved. Therefore, SHPO concurs with your agency's determination of "Adverse Effect" for the proposed undertaking.

Please note that concurrence from SHPO does not relieve the federal agency official from consulting with other appropriate parties, as described in 36 C.F.R. § 800.2(c).

Pursuant to 36 C.F.R. § 800.6, we look forward to continuing consultation with your agency to resolve the adverse effect. Please ensure that FRA - Federal Railroad Administration notifies the Advisory Council on





Historic Preservation of the adverse effect.

Should you require any additional information, please contact Duncan Trau at [Duncan.Trau@state.sd.us](mailto:Duncan.Trau@state.sd.us) or at (605)773-6005.

Sincerely,  
Ted M. Spencer  
State Historic Preservation Officer

A handwritten signature in cursive script that reads "Katie Wasley".

Katie Wasley  
Historic Preservation Specialist

CC: Amanda Ciampolillo, Supervisory Environmental Protection Specialist, FRA  
Shauna Haas, Environmental Specialist, US DOT Volpe Center





U.S. Department  
of Transportation

1200 New Jersey Avenue, SE  
Washington, DC 20590

**Federal Railroad  
Administration**

July 11, 2022

Jack Dokken  
South Dakota Department of Transportation  
700 East Broadway Avenue  
Pierre, SD 575014

**Re: Ellis and Eastern Sioux Falls Area Bridges  
Minnehaha County, South Dakota  
Consulting Party Invitation**

Dear Jack Dokken:

The Federal Railroad Administration (FRA) selected the South Dakota Department of Transportation (SDDOT) to receive grant funding through a Special Transportation Circumstances Grant FY2019 to repair and rehabilitate three railroad bridges over the Big Sioux River in Minnehaha County, South Dakota. The project is being done in association with the Ellis & Eastern Company. Because the project will receive federal funding, it is subject to review under Section 106 of the National Historic Preservation Act (Section 106), which requires federal agencies to consider the effect of their projects on historic properties. As stipulated in 36 CFR § 800.2(c)(3) and (5), the regulations that implement Section 106, FRA is seeking input from certain individuals, organizations and representatives of local government with a demonstrated interest in the undertaking and its potential to affect historic resources within the project area. Your opinions are essential to informed decision-making in the Section 106 consultation process.

**Project Description**

In order for Ellis & Eastern to maintain safe operation over their track, repair/rehabilitation is needed on three bridges. Two of the bridges require updates to maintain current volumes of rail traffic, while a third bridge needs to be strengthened to support modern railroad cars. The scope of the undertaking involves the following:

- For Bridge P-106: The bridge repair includes improving the wooden elements on the east and west approach spans, repairing deteriorating piles and caps, and replacing string chords with four-ply chords.
- For Bridge P-125: Repairs will replace the current timber pile approaches (both east and west) with steel H-pile and pre-cast concrete tubs.
- For Bridge P-131: Repairs will replace the current timber pile approaches with steel H-pile and pre-cast concrete tubs.

All work for the proposed undertaking will take place within existing railroad right-of-way.

### **Area of Potential Effects**

As defined in 36 CFR § 800.16(d), the Area of Potential Effects (APE) means “the geographic area or areas within which an undertaking may directly or indirectly cause alteration in the character of use of historic properties, if such properties exist. The area of potential effects is influenced by the scale and nature of the undertaking and may be different for different kinds of effects caused by the undertaking.”

In determining the APE for the undertaking, the FRA considered possible visual, audible, atmospheric and/or physical impacts to historic properties, including changes to significant views and vistas that may occur as part of the undertaking. The undertaking will not introduce new elements that are out of character with the current conditions of the surrounding landscape.

The APE for the undertaking comprises three discontinuous areas consistent with the location of Bridges P-106, P-125, and P-141. The APE is approximately 1.4 acres and is depicted on the attached USGS Topographic Maps for Sioux Falls West and Sioux Falls East enclosed as **Attachment 1**.

### **Effects on Historic Properties**

Potentially significant architectural and archaeological resources within the APE were researched as part of the historic investigation conducted as part of the undertaking. FRA took into consideration the magnitude and nature of the undertaking as well as the nature and extent of potential effects on historic properties in accordance with 36 CFR § 800.4(b)(1). There are five historic properties within the APE – three are historic standing structures: Bridge P-106 (SHPO ID MH00000904), Bridge P-125 (MH00001718) and Bridge P-131 (MH00001562); and two historic archaeological sites: 39MH2003 and 39MH2014.

Bridge P-106 (SHPO ID MH00000904) is an historic steel lattice through truss bridge determined eligible for inclusion in the National Register of Historic Places (NRHP) under Criteria A and C on August 19, 1995. The historic sites survey bridge form notes the bridge piers have been replaced with poured concrete. Similarly, portions of the wood trestle approaches have been replaced. FRA determined the undertaking would have no adverse effect on Bridge P-106.

Bridge P-125 (MH00001718) is an historic steel lattice through truss bridge with timber trestle approaches determined eligible for inclusion in the NRHP under Criterion A, C, and D on May 12, 2009. The bridge is situated adjacent to the 11th Street bridge spanning the Big Sioux River in Sioux Falls. The scope of the undertaking involves replacing wood elements of the timber trestle approaches with steel H-bents. In consultation with the South Dakota State Historic Preservation Office (SD SHPO) and consistent with 36 CFR § 800.5(a)(2)(v), FRA determined the undertaking would introduce visual elements that diminish the integrity of the significant historic features of Bridge P-125.

Bridge P-131 (MH00001562), also known as the Elwood Park Bridge and the Railroad Bridge at 14<sup>th</sup> Street, was determined eligible for inclusion in the NRHP under Criteria A and C March 6, 2002. The structure is a combination timber trestle and steel lattice through truss style railroad

bridge situated immediately southwest of the Sioux Empire Fairgrounds in Sioux Falls. The scope of the undertaking involves replacing wood elements of the timber trestle approaches with steel H-bents. In consultation with the SD SHPO and consistent with 36 CFR § 800.5(a)(2)(v), FRA determined the undertaking would introduce visual elements that diminish the integrity of the significant historic features of Bridge P-131.

One segment of site 39MH2003, the former Chicago and North Western Transportation Company (C&NW RR) intersects the location of Bridge P-106. Individual segments of 39MH2014, the former Chicago, St. Paul, Minneapolis and Omaha Railway (CSt. PM&O RR) intersect the locations of Bridge P-125 and P-131. In all instances, the railways segments are extant and operational. Railway components and track materials are present; however, the use of replacement materials is also evident at these locations. FRA determined the undertaking would have no adverse effect on Sites 39MH2003 and 39MH 2014.

Ellis & Eastern Company prepared *A Level III Cultural Resources Survey of Ellis & Eastern Railroad Bridge Nos. P106, P125, and P131* report for the undertaking. The report is enclosed as **Attachment 2**. Photographs of the proposed replacement materials and project plans for the proposed work at Bridges P-125 and P-131 are enclosed as **Attachment 3**.

#### **Request for Participation and Comments**

FRA is committed to involving the historic preservation community throughout this process. Because of your potential interest in the project, FRA is currently asking for your input regarding this project and any other relevant information you would like to share.

FRA requests that within 30 calendar days from the date on this letter that you 1) review the enclosed materials and provide any comments or information you may have regarding historic properties relevant to this project; and 2) notify FRA whether you accept or decline consulting party status. To understand the role of a consulting party in the Section 106 process, please review *Protecting Historic Properties: A Citizen's Guide to Section 106* which can be found here: <https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf>. Should you accept consulting party status, please identify the point of contact(s) for your organization and current contact information, including email addresses.

Correspondence by e-mail is preferred to ensure timely receipt. Please e-mail your response to Shauna Haas, Environmental Protection Specialist at [Shauna.Haas@dot.gov](mailto:Shauna.Haas@dot.gov). Shauna can also be reached at 857-998-3008. Thank you for your cooperation on this project.

Sincerely,



Amanda Murphy  
Acting Federal Preservation Officer  
Federal Railroad Administration

Cc: Amanda Ciampolillo, FRA  
Chris Brozik, Civil Design Inc.

Enclosures:

- Attachment 1: APE Map
- Attachment 2: Cultural Resource Survey Report
- Attachment 3: Photos of Replacement Materials and Project Plans

See SHPO Correspondence for attachments



**Advisory Council on Historic Preservation  
Electronic Section 106 Documentation Submittal System (e106) Form  
MS Word format**

Send to: [e106@achp.gov](mailto:e106@achp.gov)

Please review the instructions at [www.achp.gov/e106-email-form](http://www.achp.gov/e106-email-form) prior to completing this form. Questions about whether to use the e106 form should be directed to the assigned ACHP staff member in the Office of Federal Agency Programs.

**I. Basic information**

**1. Purpose of notification.** Indicate whether this documentation is to:

- Notify the ACHP of a finding that an undertaking may adversely affect historic properties
- Invite the ACHP to participate in a Section 106 consultation
- Propose to develop a project Programmatic Agreement (project PA) for complex or multiple undertakings in accordance with 36 C.F.R. 800.14(b)(3)
- Supply additional documentation for a case already entered into the ACHP record system
- File an executed MOA or PA with the ACHP in accordance with 800.6(b)(iv) (where the ACHP did not participate in consultation)
- Other, please describe  
[Click here to enter text.](#)

**2. ACHP Project Number** (If the ACHP was previously notified of the undertaking and an ACHP Project Number has been provided, enter project number here and skip to Item 7 below): [Click here to enter text.](#)

**3. Name of federal agency** (If multiple agencies, list them all and indicate whether one is the lead agency):

Federal Railroad Administration (FRA)

**4. Name of undertaking/project** (Include project/permit/application number if applicable):

Ellis and Eastern Sioux Falls Area Bridges

**5. Location of undertaking** (Indicate city(s), county(s), state(s), land ownership, and whether it would occur on or affect historic properties located on tribal lands):

Three railroad bridges over the Big Sioux River in Brandon and Sioux Falls, Minnehaha County, South Dakota. All work takes place in existing railroad right of way and is not on nor will it affect properties on tribal lands.



**6. Name and title of federal agency official and contact person for this undertaking, including email address and phone number:**

Shauna Haas, Environmental Protection Specialist, USDOT Volpe Center  
[Shauna.Haas@dot.gov](mailto:Shauna.Haas@dot.gov); 857-998-3008

**II. Information on the Undertaking\***

**7. Describe the undertaking and nature of federal involvement (if multiple federal agencies are involved, specify involvement of each):**

The FRA intends to provide grant funding to the South Dakota Department of Transportation (SDDOT) for the repair and rehabilitation of three railroad bridges in South Dakota. The project will be carried out by SDDOT in coordination with the Ellis & Eastern Company.

**8. Describe the Area of Potential Effects (APE):**

The APE for the undertaking comprises three discontinuous areas consistent with the location of Bridges P-106, P-125, and P-131. The APE encompasses the bridge area plus a 30-foot buffer to include all areas of direct and indirect impact anticipated as part of the project. The APE is approximately 1.4 acres and is depicted on the USGS Topographic Maps for Sioux Falls West and Sioux Falls East enclosed as Attachment 1 to the consultation initiation and consulting party invitation letters.

**9. Describe steps taken to identify historic properties:**

A Level III Cultural Resources Survey was prepared for the undertaking, which identified historic properties in the APE. As part of the background research, consultants conducted a file search at the South Dakota State Historical Society, Archaeological Research Center, to identify historic properties with previous determinations of eligibility and cultural resource surveys previously conducted within one mile of the APE. Historic atlases and maps were also examined to identify properties that may require evaluation. Field survey was also conducted, including a pedestrian investigation for archaeological resources that determined the potential for intact belowground resources was low based on the extent of prior disturbance. Bridge Nos. P106, P125, and P131 and segments of the Chicago & Northwestern (C&NW) Railroad and the Chicago, St. Paul, Minneapolis & Omaha (CSt.PM&O) Railroad were further documented and evaluated for listing in the National Register of Historic Places (NRHP) as part of this investigation. No additional cultural resources were identified as part of the present survey.

**10. Describe the historic property (or properties) and any National Historic Landmarks within the APE (or attach documentation or provide specific link to this information):**

Bridge No. P106 (MH00000904) was previously evaluated and determined eligible for listing in the NRHP on August 19, 1995. The bridge is a timber trestle and steel lattice through-truss style structure located along what was originally the C&NW Railroad Line. Constructed in 1887 by the Lassiq Bridge and Iron Works of Chicago, Bridge No. P106 may be the oldest surviving bridge in South Dakota and is eligible for listing in the NRHP under Criteria A and C. While timber trestles are common in SD, the lattice through-truss bridge element of the combination of bridge styles represents a relatively uncommon bridge structure for the state. The piers and portions of the wood trestle approaches may have been replaced recently, however the bridge retains integrity overall.

Bridge No. P125 (MH00001718) was documented as part of the cultural resources investigation for the undertaking, and determined eligible for listing in the National Register on August 24, 2020 under Criteria A, C and D. Bridge No. P125 is nearly identical to Bridge No. P106, as a timber trestle and double steel lattice through truss-style bridge. Bridge No. P125 was built in 1892 along the CSt.PM&O Railroad Line.

Bridge No. P131 (MH00001562) was determined eligible for listing in the National Register on March 6, 2002 under Criteria A and C. Bridge No. P131 is nearly identical to Bridge Nos. P106 and P125, as a timber trestle and double steel lattice through truss-style bridge. Bridge No. P131 was built along the CSt.PM&O Railroad Line ca 1893.

In South Dakota, all railroads are eligible for listing in the NRHP, including the portions of the former C&NW Railroad (site 39MH2003) and the CSt.PM&O Railroad (Site 39MH2014) within the APE. Both railroads are eligible for listing in the NRHP under Criteria A and C. The railroad segments in the APE are extant and operational.

Additional information is available in the enclosed Cultural Resources Survey Report.

#### **11. Describe the undertaking's effects on historic properties:**

The repair of Bridge P-106 includes improving the wooden elements on the east and west approach spans, repairing deteriorating piles and caps, and replacing string chords with four-ply chords. The bridge piers have previously been replaced with poured concrete and portions of the wood trestle approaches have been replaced as well. Therefore, the undertaking will have no adverse effect on Bridge P-106.

Repairs at Bridge P-125 will replace the current timber pile approaches (both east and west) with steel H-pile and pre-cast concrete tubs. FRA determined the undertaking would introduce visual elements that diminish the integrity of the significant historic features of Bridge P-125.

Repairs at Bridge P-131 will replace the current timber pile approaches (both east and west) with steel H-pile and pre-cast concrete tubs. FRA determined the undertaking would introduce visual elements that diminish the integrity of the significant historic features of Bridge P-131.

Railway components and track materials are present; however, the use of replacement materials is also evident at these locations. FRA determined the undertaking would have no adverse effect on Sites 39MH2003 and 39MH 2014.

#### **12. Explain how this undertaking would adversely affect historic properties (include information on any conditions or future actions known to date to avoid, minimize, or mitigate adverse effects):**

The undertaking may result in adverse effects to historic properties as it introduces visual elements that diminish the integrity of significant historic features of Bridge P-125 and Bridge P-131. The replacement of the timber pile approaches with steel H-pile and pre-cast concrete tubs will alter the integrity of materials, design, feeling and association.

Mitigation measures will be discussed with the project sponsor and consulting parties in the coming weeks and any agreed upon measures will be stipulated in a Memorandum of Agreement for the project.

**13. Provide copies or summaries of the views provided to date by any consulting parties, Indian tribes or Native Hawai'ian organizations, or the public,** including any correspondence from the SHPO and/or THPO.

\* see *Instructions for Completing the ACHP e106 Form*

FRA's correspondence with the SD SHPO is attached, as are examples of the letters and enclosures sent to all consulting parties and federally recognized tribes. The Ellis and Eastern Company was the only consulting party to respond as of August 31, 2022, and they agreed to participate in the Section 106 process. No responses have been received from Tribes/Nations at this time.

### III. Additional Information

**14. Please indicate the status of any consultation that has occurred to date, including whether there are any unresolved concerns or issues the ACHP should know about in deciding whether to participate in consultation.** Providing a list of consulting parties, including email addresses and phone numbers if known, can facilitate the ACHP's review response.

FRA initiated consultation with the SD SHPO on January 28, 2022, with an initial finding of No Adverse Effect, with which SHPO did not concur. FRA provided additional information on March 15, 2022 and met with SD SHPO to discuss their concerns on April 8, 2022. In a letter dated July 11, 2022, FRA acknowledged that the undertaking would result in adverse effects. Consulting parties, including federally recognized tribes, were invited to participate in a letter dated July 11, 2022, which described the Section 106 activities to date and the finding of adverse effects. FRA emailed the invitational letter and enclosures to all parties, and also mailed a hard copy to the tribes/nations. The consulting party list is included in the Finding of Adverse Effects letter to SHPO, attached.

A consulting party meeting is being planned for September 2022 and all invited consulting parties, including SHPO and federally recognized tribes, will be invited to attend. FRA will discuss the Section 106 process for the project and provide an opportunity for the parties to comment on the potential effects of the project on historic properties as well as mitigation measures for resolution of the adverse effects.

**15 Does your agency have a website or website link where the interested public can find out about this project and/or provide comments?** Please provide relevant links:

Not at this time.

**16. Is this undertaking considered a "major" or "covered" project listed on the Federal Infrastructure Projects Permitting Dashboard?** If so, please provide the link:

No

**The following are attached to this form** (check all that apply):

- Section 106 consultation correspondence
- Maps, photographs, drawings, and/or plans
- Additional historic property information

- Consulting party list
- Other: [Click here to enter text.](#)



September 15, 2022

Shauna J. Haas  
Environmental Protection Specialist  
Environmental Science & Engineering Division  
U.S. Department of Transportation  
Volpe National Transportation Systems Center  
55 Broadway  
Cambridge, MA 02142

Ref: *Proposed Repair of Ellis and Eastern Sioux Falls Area Bridges over the Big Sioux River  
Brandon and Sioux Falls, Minnehaha County, South Dakota  
ACHP Project Number: 18724*

Dear Ms. Haas:

On September 6, 2022, the Advisory Council on Historic Preservation (ACHP) received your notification and supporting documentation regarding the potential adverse effects of the referenced undertaking on a property or properties listed or eligible for listing in the National Register of Historic Places. Based upon the information you provided, we have concluded that Appendix A, *Criteria for Council Involvement in Reviewing Individual Section 106 Cases*, of our regulations, "Protection of Historic Properties" (36 CFR Part 800) implementing Section 106 of the National Historic Preservation Act, does not apply to this undertaking. Accordingly, we do not believe our participation in the consultation to resolve adverse effects is needed.

However, if we receive a request for participation from the State Historic Preservation Officer, Tribal Historic Preservation Officer, affected Indian tribe, a consulting party, or other party, we may reconsider this decision. Should the undertaking's circumstances change, consulting parties cannot come to consensus, or you need further advisory assistance to conclude the consultation process, please contact us.

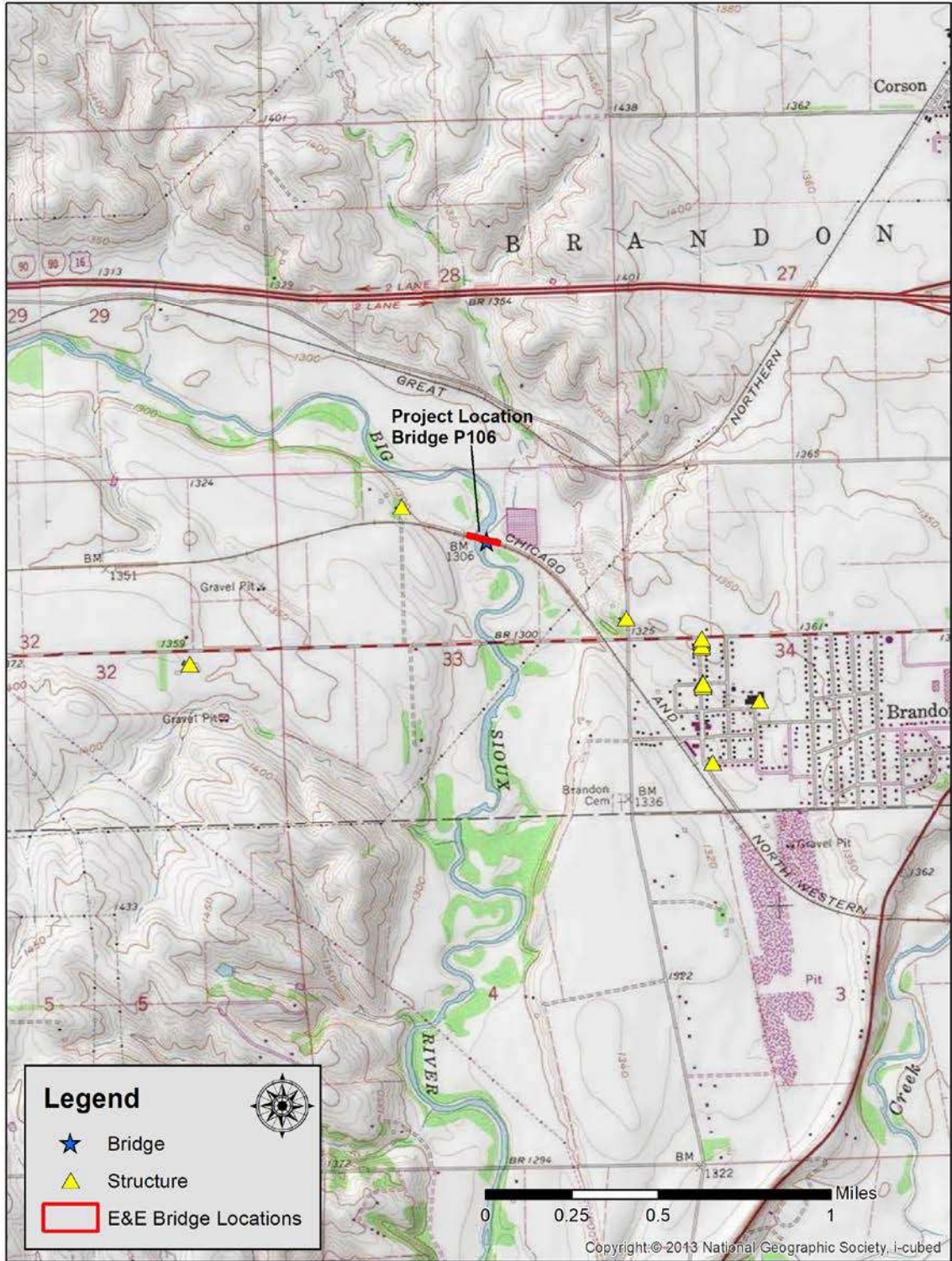
Pursuant to Section 800.6(b)(1)(iv), you will need to file the final Section 106 agreement document (Agreement), developed in consultation with the South Dakota State Historic Preservation Office and any other consulting parties, and related documentation with the ACHP at the conclusion of the consultation process. The filing of the Agreement and supporting documentation with the ACHP is required in order to complete the requirements of Section 106 of the National Historic Preservation Act.

Thank you for providing us with your notification of adverse effect. If you have any questions or require our further assistance, please contact Mr. Anthony Guy Lopez at (202) 517-0220 or by e-mail at [alopez@achp.gov](mailto:alopez@achp.gov) and reference the ACHP Project Number above.

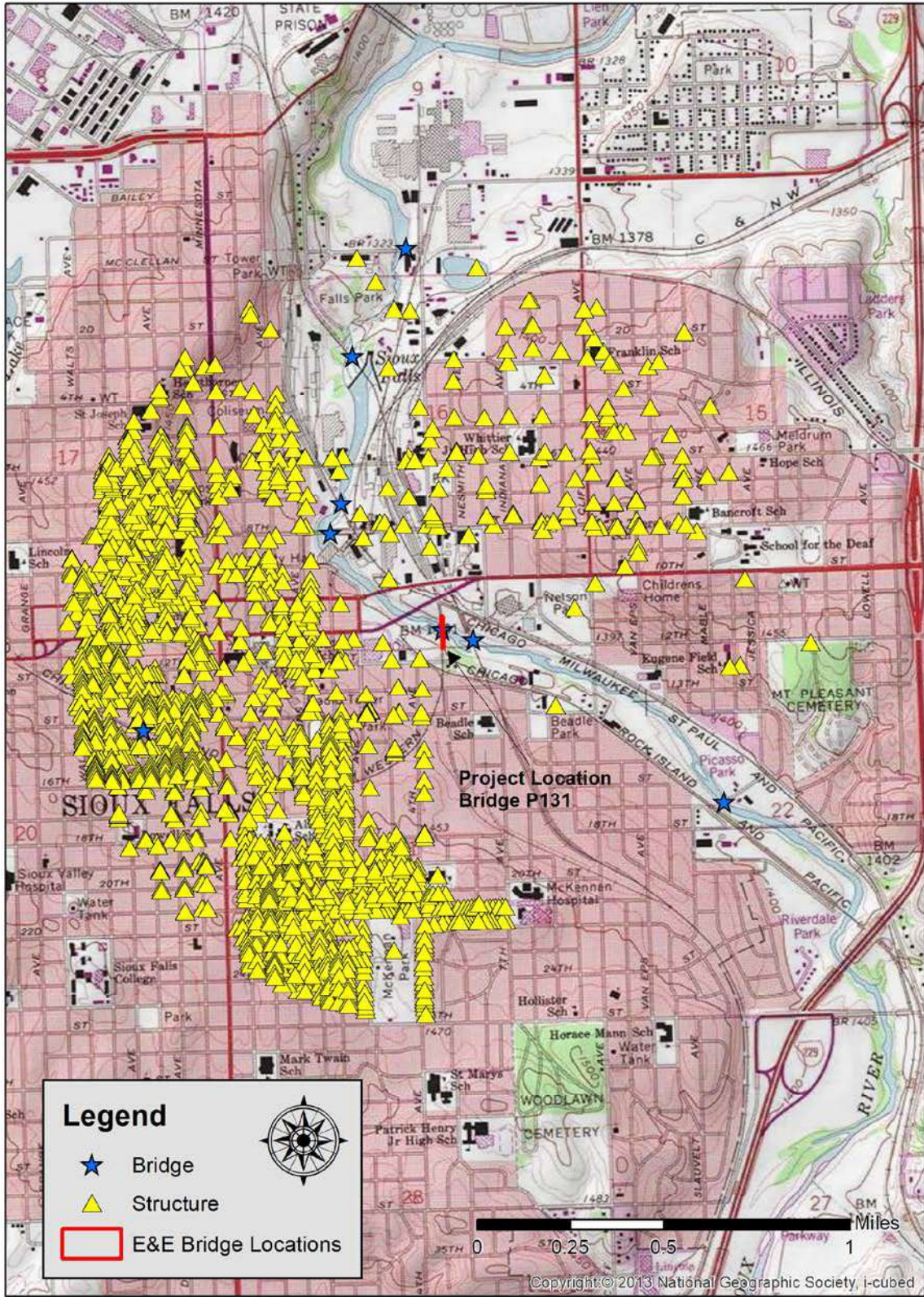
Sincerely,

LaShavio Johnson  
Historic Preservation Technician  
Office of Federal Agency Programs

## **ATTACHMENT 2 – AREA OF POTENTIAL EFFECTS**

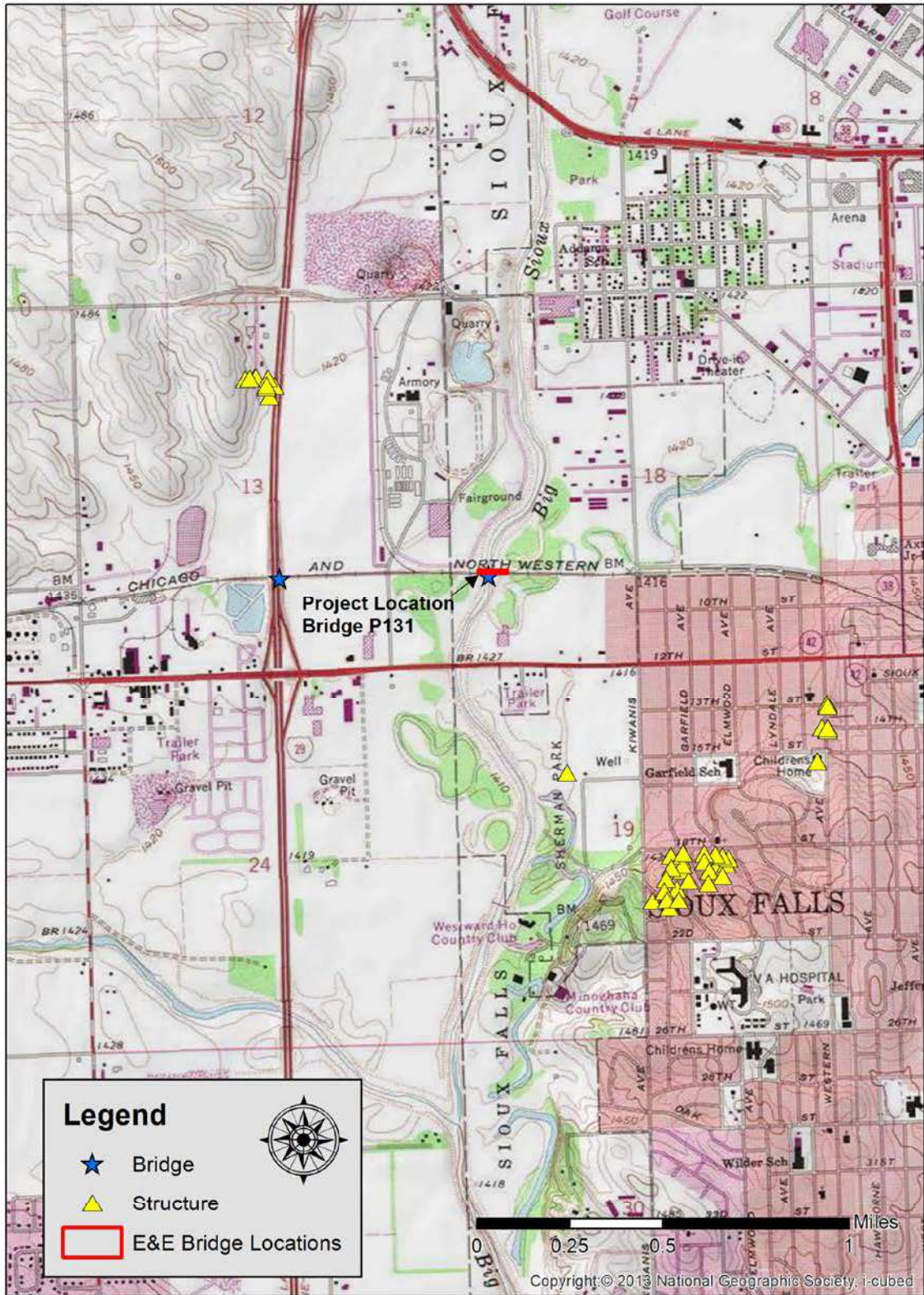


**Figure 1.** Location of Bridge P106 APE in Sec. 33, T102N, R48W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Brandon (1978).



**Figure 2.** Location of Bridge P125 APE in Sec. 16, T101N, R49W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Sioux Falls East (1978). Note: The text on the map erroneously identifies Bridge P125 as Bridge P131.





**Figure 3.** Location of Bridge P131 APE in Sec. 18, T101N, R49W, showing previously documented bridges and structures. Shown on USGS 7.5-minute quadrangle Sioux Falls West (1978).

**ATTACHMENT 3 – SOUTH DAKOTA OFFICE OF THE STATE HISTORIC  
PRESERVATION OFFICER PHOTOGRAPHY GUIDELINES**



## PHOTOGRAPHY GUIDELINES FOR THE PURPOSES OF SECTION 106 MITIGATION

At a minimum, these guidelines reflect the recommendations of the South Dakota Office of the State Historic Preservation Officer (SHPO) when documenting historic properties affected by federal undertakings. These guidelines cannot be used to circumvent consultation with appropriate consulting parties as identified in the Section 106 process. These guidelines are based on National Park Service guidance to ensure consistency in the quality of photographic documentation.

### Selecting a Digital Camera

**BEST: Six megapixel or greater digital SLR camera**

Acceptable: Two – five megapixel point-and-shoot digital camera

Not acceptable: Camera phones, disposable or single-use digital cameras, digital cameras with fewer than two megapixels of resolution

### Taking the Picture

Image file format (Set the camera for highest image quality).

**BEST: Tag Image File format (TIFF) or RAW format images. This allows for the best image resolution.**

Acceptable: JPEGs converted to TIFFs, by a computer conversion process, are acceptable; however, JPEGs must not be altered in any way prior to conversion (other than renaming them).

Do not use the JPEG setting on the camera, if a higher quality setting is available.

RGB color digital **TIFFs** are preferred.

Digital Camera Resolution (Set the camera to the maximum or largest pixel dimension the camera allows).

**BEST: Six megapixels or greater (2000 x 3000 pixel image)**

Acceptable: Minimum two megapixels (1200 x 1600 pixel image)

## Renaming the digital TIFF image

All digital image files must be renamed using a standard naming format.

The TIFF file name must include:

State\_county\_property name (or district name or SHPO ID)\_0001  
(Use zeros in image numbers to create 4 digit number, e.g. 0002, 0003, etc.)

Example for individual properties:  
SD\_PenningtonCounty\_ElizabethBrown House\_0001

Example for district and farmstead labels:  
SD\_PenningtonCounty\_RapidCityCommercialHistoricDistrict\_0125

Example for individual properties using SHPO ID labels:  
SD\_PenningtonCounty\_PN00000123

Example for districts and farmsteads using SHPO ID labels:  
SD\_PenningtonCounty\_PN00400001  
SD\_PenningtonCounty\_PN00400002

## Burning the Images onto an Archival Disk

A CD/ DVD or flash drive must contain all TIFF images, the photograph log, and sketch map. The photograph log and sketch map must be saved as a PDF/A or PDF file.

Reminder: JPEGs converted to TIFFs, by a computer conversion process, are acceptable; however, JPEGs must not be altered in any way prior to conversion (other than renaming them). When image is open on your computer, right click and you will see the image properties (Dimensions, dpi, etc.).

**Acceptable: CD-R, DVD-R, flash drive, or any disk obtained from a commercial photo processor.**

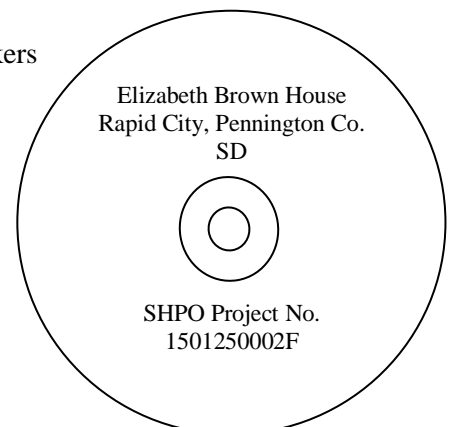
Not acceptable: CD-RW or DVD-RW (if packaging says “rewriteable” do not use).

## Labeling the Disk

**Best: Labels printed directly on the disk or drive by laser printer (non-adhesive).**

Acceptable: Hand-written labels using CD/DVD safe markers OR other markers (Sharpies) or a label tag attached through the lanyard/keychain hole of the flash drive

Not Acceptable: Ammonia/solvent-based markers or adhesive stickers



## Photograph Log Page

The photograph Log and sketch map must be saved to the CD/DVD or flash drive.

### Example of acceptable photo pages

Name of Property:	Henderson House
City or Vicinity:	Pierre
County:	Hughes County
State:	SD
Name of Photographer:	Mary Smith
Date of Photographs:	April 2015
Location of Original Digital Files:	411 E. 6th St., Rapid City, SD 57501
Photograph Number:	0001
SHPO Project Number:	150415001F

Photo #1 (SD\_HughesCounty\_HendersonHouse\_0001)  
South façade (left) and east elevation (right), camera facing northwest.

### Sketch Map

Photographs must be keyed to a sketch map, see Attachment 1 for sample.

## Use of Photographs

All photographs submitted in accordance with the terms of a Memorandum of Agreement or Programmatic Agreement will be used as specified in the Agreement, which may include submission by the SHPO as official documentation to the South Dakota State Archives for public use and reproduction.

## Guidelines for Photographic Coverage

Photographs submitted as official documentation should be clear, well-composed, and provide an accurate visual representation of the property and its significant features. They must illustrate the qualities that make the property eligible for the National Register. Photographs should show historically significant features and any alterations that have affected the property's historic integrity.

The necessary number of photographic views depends on the size and complexity of the property. Submit as many photographs as needed to depict the current condition and significant features of the property. A few photographs may be sufficient to document a single building or object. Larger, more complex properties and historic districts will require a number of photos.

## Buildings, structures, and objects:

Photographs need to show the principal facades and the setting in which the property is located.

Additions, alterations, intrusions, and dependencies need to appear in the photographs.

Include views of interiors, outbuildings, landscaping, or unusual features if they contribute to the significance of the property.

### **Historic and archaeological sites:**

Photographs need to show the condition of the site and any above-ground or surface features and disturbances.

If relevant to the evaluation of significance, include drawings or photographs illustrating artifacts that have been removed from the site.

At least one photograph must show the physical environment and topography of the site.

### **Architectural, Historic Districts and Farmsteads (key all photographs to the sketch map for the district):**

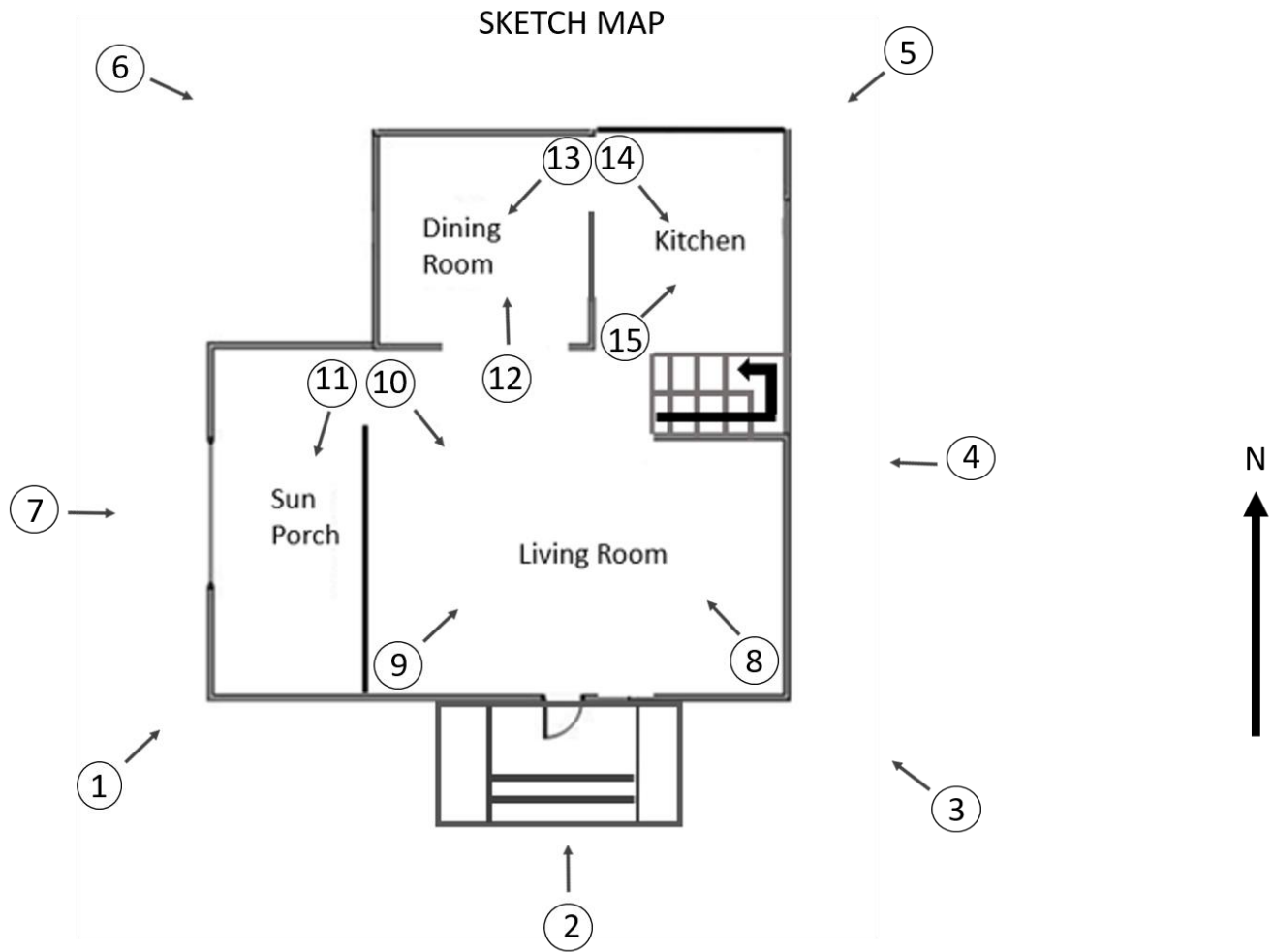
Submit photographs showing major building types and styles, pivotal buildings and structures, and noncontributing resources.

Streetscapes and landscapes are recommended. Aerial views may also be useful. Views of significant topographic features and spatial elements should also be submitted.

Views of individual buildings are not necessary if streetscape views clearly illustrate the significant historical and architectural qualities of the district.

### **Archaeological Districts:**

Submit photographs of the principal sites and site types within the district following the guidelines for archaeological sites (see above).



**Photo Key**

Name of Property:	Henderson House
City/Vicinity:	Pierre
County:	Hughes
State:	South Dakota
Name of Photographer:	Mary Smith
Date of Photographs:	April 2015
Number of Photos:	15
Section 106 Project #:	150415001F