

Appendix C – Agency Coordination

Complete Streets Checklist

Background:

The City of Sioux Falls promotes a comprehensive, integrated transportation network with infrastructure and design that allows safe and convenient travel along and across streets for all users, including pedestrians, bicyclists, transit riders, motorists, commercial and emergency vehicles, and for people of all ages and of all abilities.

The Complete Streets policy calls for the establishment of a checklist to address pedestrian, bicycle, and transit accommodations.

Complete Streets Checklist:

The following checklist should be used in the earliest stages of concept development and preliminary engineering to ensure all modes of transportation are considered.

This checklist was designed to assist project managers and designers to plan for, design, and construct transportation projects to appropriately accommodate for bicycles, pedestrians, and transit users, in addition to those provided for motorists.

Staff, consultants, and appropriate user groups should ensure the checklist is reviewed during the various stages of a project. The Project Manager is responsible for ensuring the checklist is completed prior to advancement of a project to final design.

Using the Checklist:

The Complete Streets Checklist is a tool to be used throughout concept development and preliminary engineering to ensure that all developed alternatives reflect compliance with the Complete Streets policy.

When completing the checklist, a brief description is required for each item as a means to document that the item has been considered. The explanation can include supporting documentation.

Priorities and Exceptions:

Priorities

Early consideration of the land use and transportation context of the project is critical. The context factors that should be given high priority include the following:

- a. Whether the corridor provides a primary access to a significant destination such as a community or regional park or recreational area, a school, a shopping/commercial area, or an employment center;
- b. Whether the corridor provides access across a natural or man-made barrier such as a river or freeway;
- c. Whether the corridor is in an area where a relatively high number of users of nonmotorized transportation modes can be anticipated;
- d. Whether a road corridor provides important continuity or connectivity links for an existing trail or path network; or
- e. Whether nearby routes that provide a similar level of convenience and connectivity already exist.

Exceptions

The Complete Streets policy will apply to all street projects except under one or more of the following conditions as determined by the City Engineer:

- a. Ordinary maintenance activities and pavement preservation activities;
- b. Design features that would put roadway users at a relatively high safety risk; and
- c. Design features that would impose excessive and disproportionate costs in relation to the need or probable use.

City of Sioux Falls Complete Streets Checklist

Project Name: Cliff Avenue and I229 - Exit 4 Reconstruction
Street Type: Arterial
Average Daily Traffic: 21,300
Truck Volumes (estimated percentage): 2%
Design Speed: 30 MPH **Land Use:** Residential/Commercial

ESTABLISHING PRIORITIES

A “YES” answer to any of these questions identifies the project as one in which high priority and consideration should be provided for, including Complete Streets elements.

Environmental Context and Connectivity (pedestrian, bicycle, and transit accommodations)				
Checklist Consideration		Yes	No	Explanation and Date of Comment
Does the project provide a main route to a significant destination?	Park/Recreation area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Adjacent to River Greenway
	School	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lincoln High School
	Shopping/Commercial area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Employment center	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Community facility	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Other: [Click here]			[Click here]
Does the project provide access across a natural or man-made barrier?	Natural feature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Man-made feature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Interstate 229 is a barrier
Does the project provide continuity or connectivity links for an existing trail or a path network across the city?	Off-road trail facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Connection to River Greenway
	On-road trail facility	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Other: [Click here]			[Click here]
Are there nearby routes that provide a similar level of convenience and connectivity?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]

CONSTRAINTS

Are there constraints to consider in reviewing this project for possible inclusion of Complete Streets elements?

<i>Constraint Type</i>	<i>Yes</i>	<i>No</i>	<i>Explanation and Date of Comment</i>
Right-of-Way	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Right of way is limited in the project area.
Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Large water main and sanitary sewer in project.
Environmental	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Environmental Assessment is being prepared.
Funding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SDDOT and City funding
Maintenance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
Existing Condition	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
Other: [Click here]			[Click here]

COMPLETE STREETS ELEMENT REVIEW

For each of the sections below, indicate whether a Complete Streets Element is/is not included. Provide an explanation of the element to be used or rationale why the element is not being included.

<i>Complete Streets Element</i>	<i>Checklist Consideration</i>	<i>Included</i>	<i>Not Included</i>	<i>Explanation and Date of Comment</i>
Traffic Calming				
Does the roadway design consider elements to improve safety for pedestrians, bicyclists, and motorists?	Narrower driving lanes	X	X	To be reviewed in final design
	Lane reduction	[Click here]	X	Arterial standard lane widths.
	Reduced areas	[Click here]	X	Not applicable
	Other: [Click here]	[Click here]	[Click here]	[Click here]
Pedestrian Facilities Link to pedestrian count info from city. List pedestrian counts (if available): <u>100- on Cliff Avenue</u>				
Reduce pedestrian crossing distance at intersections where high motor vehicle counts and high pedestrian counts are expected.	Pedestrian bridge	[Click here]	X	Not feasible
	Curb bump-outs	[Click here]	X	Not feasible
	Other: Pedestrian Tunnels	X	[Click here]	Pedestrian tunnels will be provided as an alternative to using the curbside sidepath/sidewalk.

Complete Streets Element	Checklist Consideration	Included	Not Included	Explanation and Date of Comment
Provide appropriate accommodation in accordance with the Sioux Falls Pedestrian Plan	Sidewalks	X	[Click here]	[Click here]
	Crosswalks	X	[Click here]	[Click here]
	Mid-block crosswalks	[Click here]	X	Not feasible
	Buffers between roadway and sidewalks	X	[Click here]	Wider sidepath is the buffer
	Lighting	X	[Click here]	[Click here]
	Street furniture	[Click here]	X	Not allowed in public right of way
	Other: [Click here]	[Click here]	[Click here]	[Click here]
Consider exclusive pedestrian timing or leading pedestrian intervals where pedestrian crossing volumes are high enough.		[Click here]	X	Signal timings will be optimized with pedestrian consideration.
Bicycle Facilities Link to Sioux Falls Bicycle Plan. List bicycle counts (if available): See pedestrian counts.				
Does it provide appropriate accommodations in accordance with the Sioux Falls Bicycle Plan?	Improved shoulders	[Click here]	X	No shoulders.
	Bike path (off street)	X	[Click here]	Connection to River Greenway Trail
	Bike lane	[Click here]	X	Sidewalk/sidepath included
	Bike boulevard	[Click here]	X	Sidewalk/sidepath included.
	Bike sharrow	[Click here]	X	Sidewalk/sidepath included.
	Loop detectors	X	[Click here]	Camera detection
	Bike racks	[Click here]	X	Not applicable
	Other bike parking	[Click here]	X	Not applicable
	Other: [Click here]	[Click here]	[Click here]	[Click here]
Transit Facilities				
Does it provide appropriate transit accommodations? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Transit shelters	[Click here]	X	Not applicable.
	Bus turnout	[Click here]	X	No bus stops in the project corridor.
	Public seating	[Click here]	X	Not applicable
	Signage/maps	X	[Click here]	[Click here]
	Trash/recycling receptacles	[Click here]	X	Not applicable
	Other: [Click here]	[Click here]	[Click here]	[Click here]

Complete Streets Element	Checklist Consideration	Included	Not Included	Explanation and Date of Comment
On-Street Parking				
Is there existing parking? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Should parking be added or reduced? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parking on one side?	[Click here]	X	[Click here]
	Parking on both sides?	[Click here]	X	Parking will not be included. This is an arterial road through an interchange.
Streetscaping				
Does the project include streetscaping along newly constructed or reconstructed roadways? If so, what kind of elements?	Street trees	X	[Click here]	Trees will be planted where possible.
	Landscape plantings	X	[Click here]	Landscaping will be installed where possible.
	Planters	[Click here]	X	Not allowed in public right of way.
	Buffer strips	[Click here]	X	Not applicable.
	Other: [Click here]	[Click here]	[Click here]	[Click here]
ADA Accessibility				
Does it include appropriate ADA design features?	Curb ramps	X	[Click here]	[Click here]
	Detectable warning surface	X	[Click here]	[Click here]
	Crossing distance consideration	X	[Click here]	[Click here]
	Signal timing	X	[Click here]	[Click here]
	Other: [Click here]	[Click here]	[Click here]	[Click here]

IMPLEMENTATION AND EVALUATION

Checklist Consideration		Yes	No	Explanation and Date of Comment
Contact the Transportation Planner with questions (367-8890).	ADA Committee	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Bike Committee	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Downtown Sioux Falls (DTSF)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable.
	LiveWell Sioux Falls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Parks and Rec Board	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Pedestrians Avoiding Traffic Hazard (PATH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Visual Arts Commission	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Other: [Click here]			[Click here]
Maintenance Are there any added maintenance projections for this project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Pavement rehabilitation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Pavement marking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Street sweeping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Snow removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Street trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Click here]
	Site furnishings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Pavers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Other: [Click here]	<input type="checkbox"/>	<input type="checkbox"/>	[Click here]
Performance Measures Have you identified appropriate performance measures for the project according to Complete Streets implementation plan?	Quantitative feedback	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Qualitative feedback	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Click here]
	Other: [Click here]			[Click here]

Completed By: Tallon Cazer, Engineering Project Manager
 (Print name and title)

Date: November 7, 2023

From: [Babcock, Chad](#)
To: [Marty Falk](#)
Cc: [Al Murra](#); [Ross Harris](#)
Subject: FW: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN
Date: Tuesday, July 2, 2024 8:02:19 AM
Attachments: [image001.png](#)

Good morning – I just wanted to forward GF&P additional response. Chad

From: Kanta, John <John.Kanta@state.sd.us>
Sent: Tuesday, June 25, 2024 8:54 AM
To: Babcock, Chad <Chad.Babcock@state.sd.us>
Subject: Re: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN

Hi Chad,

I double checked with staff out there and we see no issues here. Thank you.

John

From: Babcock, Chad <Chad.Babcock@state.sd.us>
Sent: Monday, June 24, 2024 3:29:25 PM
To: Kanta, John <John.Kanta@state.sd.us>
Cc: Kittle, Randy <Randy.Kittle@state.sd.us>; Marty Falk <mfalk@sehinc.com>; Ross D. Harris <rharris@sehinc.com>
Subject: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN

Good afternoon,

Attached are updated coordination letters for the I229 Exit 3 & I229 Exit 4 Interchange projects. I am requesting your comments as soon as possible, so the project's environmental documentation can be completed and the project can be let and constructed in a timely manner.

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached.

Please contact me with any questions you may have about the attached information. Thank you!

Chad Babcock



Environmental Manager | South Dakota Department of Transportation

Better Lives Through Better Transportation

700 E. Broadway Ave, Pierre SD 57501

O: 605.773.3721 | C: 605.321.1953 | dot.sd.gov

From: [Babcock, Chad](#)
To: [Marty Falk](#)
Cc: [Ross Harris](#); [Al Murra](#)
Subject: FW: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN
Date: Wednesday, June 26, 2024 8:12:24 AM
Attachments: [image001.png](#)
[Minn000S_GFP - Exit 3.pdf](#)
[Minn0H5N_GFP - Exit 4.pdf](#)

GF&P's response to Exit 3 & Exit 4 Interchange coordination.



Chad Babcock

Environmental Manager | **South Dakota Department of Transportation**

Better Lives Through Better Transportation

700 E. Broadway Ave, Pierre SD 57501

O: 605.773.3721 | C: 605.321.1953 | dot.sd.gov

From: Wendinger, Ryan <Ryan.Wendinger@state.sd.us>
Sent: Wednesday, June 26, 2024 7:07 AM
To: Babcock, Chad <Chad.Babcock@state.sd.us>
Cc: Kanta, John <John.Kanta@state.sd.us>
Subject: RE: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN

Chad,

Not sure if Kanta got back to you on this one but I know he is off on leave here through July 7th so I thought I would follow up as it looks like you were requesting a quick turnaround. Staff had no comments or concerns with these projects. Thanks.

Thanks,

Ryan Wendinger | *Habitat Program Administrator*

South Dakota Game, Fish and Parks

4500 S Oxbow Ave | Sioux Falls, SD 57106

O: 605.362.2709 | C: 605.201.6046 | Ryan.Wendinger@state.sd.us



From: Kanta, John <John.Kanta@state.sd.us>
Sent: Monday, June 24, 2024 4:35 PM
To: Rounds, Kip <Kip.Rounds@state.sd.us>; Lindstrom, Julie <Julie.Lindstrom@state.sd.us>; Wendinger, Ryan <Ryan.Wendinger@state.sd.us>
Subject: Fwd: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3,

PCN 05HN

Please let me know if you see any issues with this. They would like a quick turnaround here. Please share with staff I missed. Thank you

Kanta

From: Babcock, Chad <Chad.Babcock@state.sd.us>

Sent: Monday, June 24, 2024 3:30:26 PM

To: Kanta, John <John.Kanta@state.sd.us>

Cc: Kittle, Randy <Randy.Kittle@state.sd.us>; Marty Falk <mfalk@sehinc.com>; Ross D. Harris <rharris@sehinc.com>

Subject: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN

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Please contact me with any questions you may have about the attached information. Thank you!



Chad Babcock

Environmental Manager | South Dakota Department of Transportation

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700 E. Broadway Ave, Pierre SD 57501

O: 605.773.3721 | C: 605.321.1953 | dot.sd.gov



Planning and Engineering

Environmental Office
700 E Broadway Avenue
Pierre, SD 57501-2586
O: 605.773.4336
dot.sd.gov

June 24, 2024

John Kanta
SD Dept. of Game, Fish & Parks
4130 Adventure Trail
Rapid City, SD. 57702

**RE: Project IM 2292(101), PCN 05HN, Minnehaha County
& Sioux Falls CIP #11100, Sioux Falls (#7 2023 Bike Plan)**
I-229 – Exit 4 (Cliff Ave) Sioux Falls
Interchange modification and associated City improvements to Cliff Ave and bike trail

Dear Mr. Kanta:

The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan). A project location map is attached. Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached.

Location information for this project is as follows:

North Limit: 43.52215, -96.73127
East Limit: 43.52462, -96.70333
South Limit: 43.50756, -96.71109
West Limit: 43.50459, -96.74586
Borrow Site: 43.49419, -96.77005
Section 6(f) replacement property: 43.50736, -96.72766

Please comment on any of the following topics that pertain to your agency:

1. Wetland Locations	6. Parks
2. Threatened or Endangered Species	7. Land & Water Conservation Funds
3. Refuges	8. Aquatic Invasive Species
4. SDGF&P Game Production Areas	
5. SDGF&P Recreation Areas	



Planning and Engineering

Environmental Office
700 E Broadway Avenue
Pierre, SD 57501-2586
O: 605.773.4336
dot.sd.gov

Additional coordination with the GFP Grants coordination regarding Section 4(f) and Section 6(f) resources is ongoing. Please submit your comments as soon as possible, so that the project's environmental documentation can be completed, and the project can be let and constructed in a timely manner.

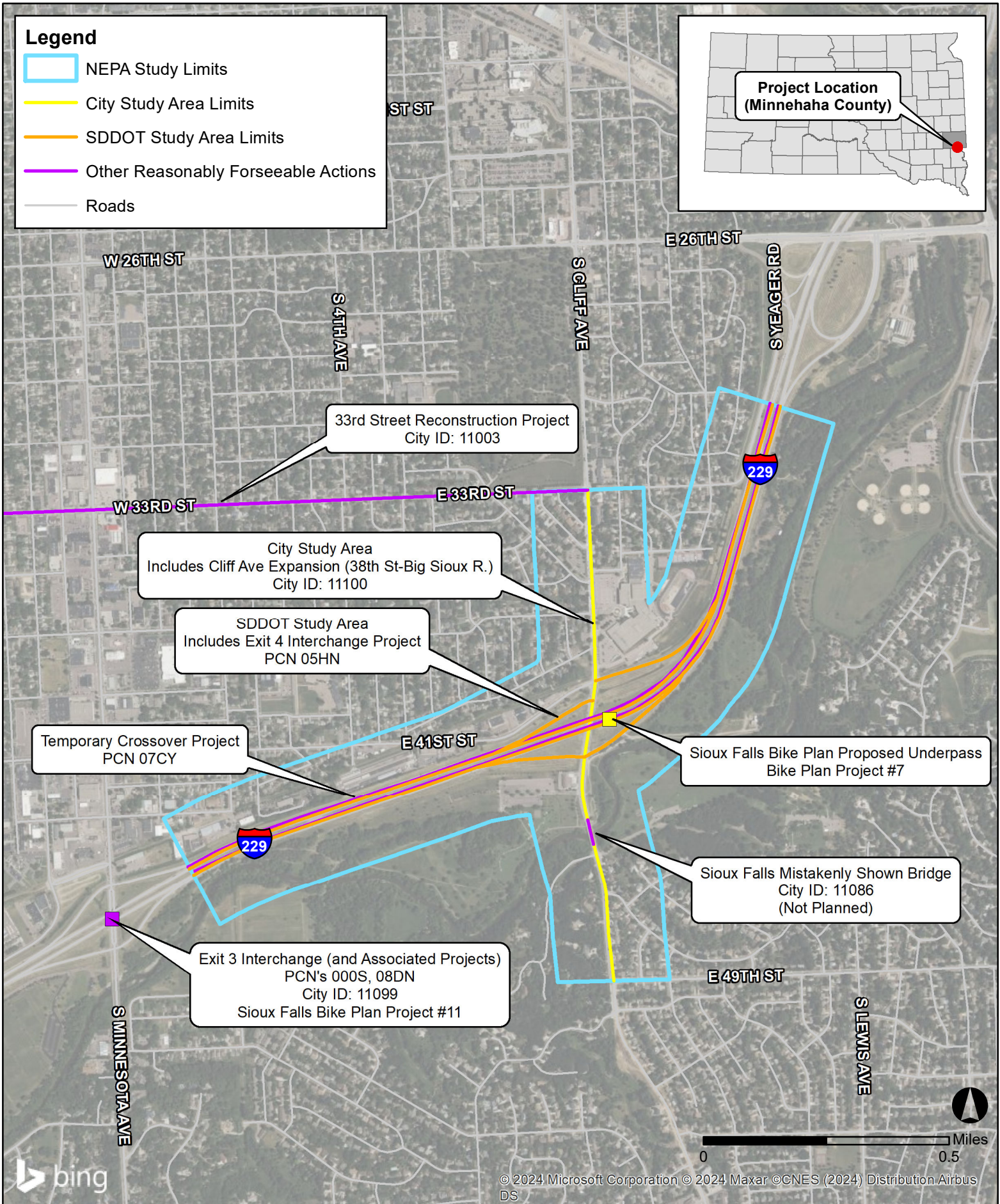
Sincerely,

A handwritten signature in blue ink, appearing to read "Chad Babcock".

Chad Babcock
Environmental Manager
605.773.3721

Attachments:
Project Location Map
Proposed Borrow Site Map
Section 6(f) Replacement Property Map
Project Scope

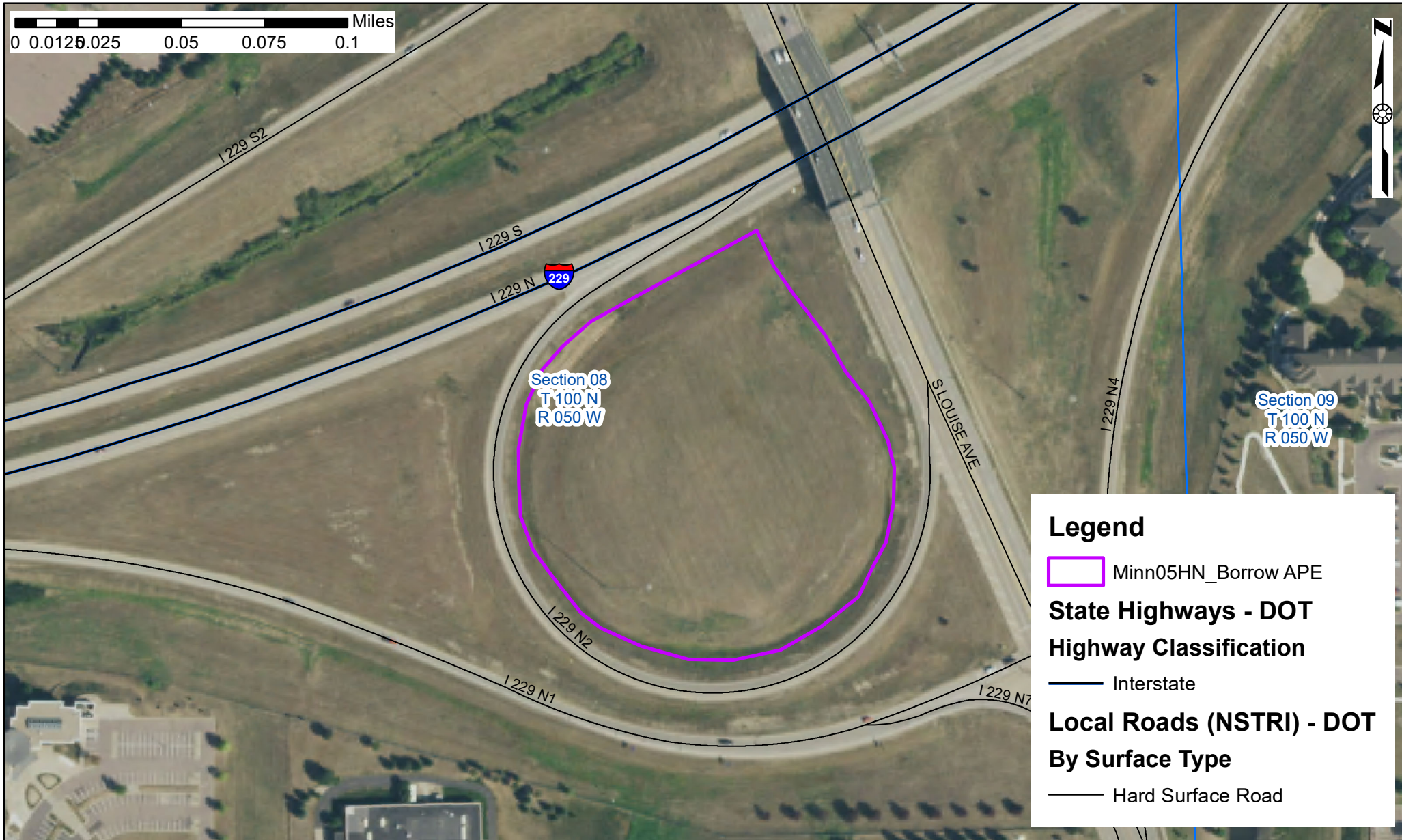
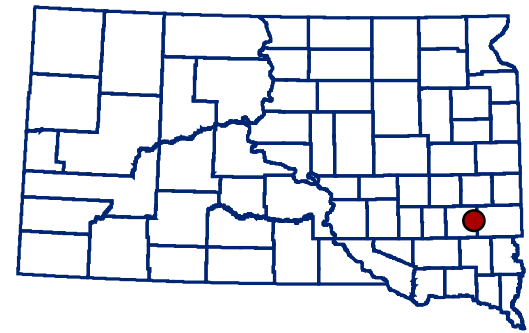
Cc: Randy Kittle





IM 2292(101), PCN 05HN
Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls

Borrow Site



Legend

 Minn05HN_Borrow APE

State Highways - DOT

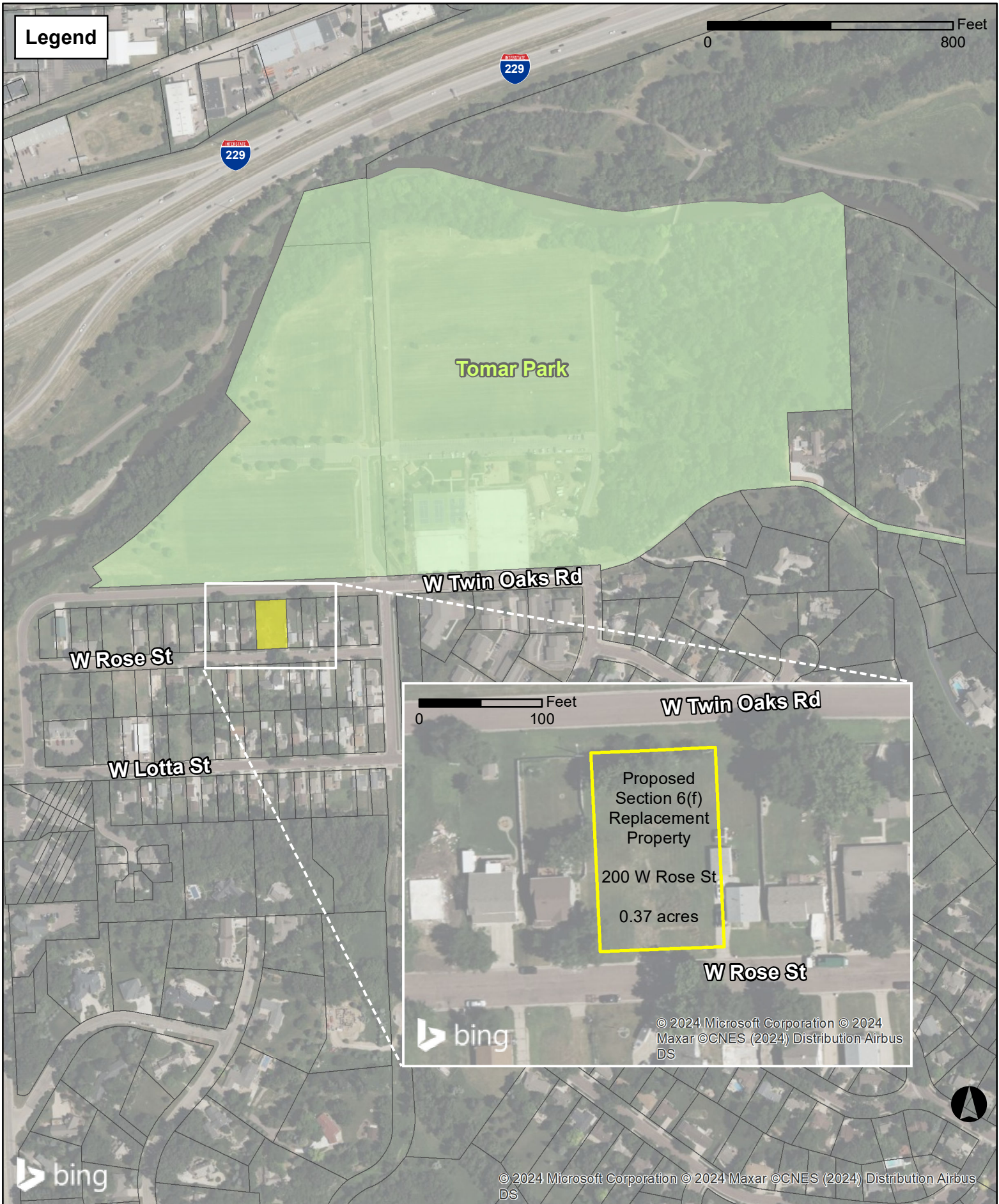
Highway Classification

 Interstate

Local Roads (NSTRI) - DOT

By Surface Type

 Hard Surface Road



401 East 8th Street
Suite 309
Sioux Falls, SD 57103
(605) 330-7000

Print Date: 6/19/2024
Source: Bing Maps,

Map by: m/falk
Projection: State Plane
South Dakota S

Proposed Section 6(f) Replacement Property
I-229 Exit 4 (Cliff Avenue) Interchange
Minnehaha County, SD

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Scope updates.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (01/08/2021 - SLD)

The following scope updates resulted from the Scoping Meeting on PCN 000S held on 12/30/2020:

The work needed for traffic control on the Minnesota Ave interchange project, PCN 000S, will now be added this project. This work was originally to be completed with PCN 07CX; 07CX will be cancelled and all advance work to accommodate managing traffic for 000S will be completed with 05HN. The work may include installing temporary ramp crossovers, possible widening needed at the existing mainline median crossovers to maintain 2 lanes of traffic during construction, and constructing a temporary road which may include installing the temporary structure, hauling berm material, etc.

This project will now have a 2-year construction which will be in fiscal years 2025 and 2026. This will allow more time for completing the interchange work at Cliff Ave, removing the temporary structure needed for traffic control on the Cliff Ave interchange project, and completing the temporary traffic control work needed for the Minnesota Ave interchange project.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Detector loops.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (05/26/2021 - SLD)

Install preformed detector loops for traffic counters on I229 NB between the EB on-ramp and the end project limits and on I229 SB from between the WB off-ramp and the end project limits. The designer will contact the Office of Transportation Inventory Management to identify the locations of the preformed detector loops. The detector loops will be added to Section L in the plans.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Auxiliary lanes between Exit 3 and Exit 4.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (04/28/2022 - SLD)

Auxiliary lanes should be installed on I229 between Exit 3 and Exit 4, due to the end of the tapers for the off-ramps and on-ramps being only 28' apart on southbound I229 and overlapping on northbound I229. A layout showing the tapers for the off-ramps and on-ramps can be found in the Appendix tab.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Install median cable barrier.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (04/23/2024 - SLD)

High-tension median cable barrier should be installed on this project through the project limits on I229 as part of a safety corridor using the new design guidance developed by the SDDOT Standards Engineer per Chapter 10 in the SDDOT Road Design Manual.

The Safety SIT was updated in the Proposed Project Information tab.

Approved Scope

For project(s): 05HN

Approved Date: 05/23/2024

Executive Summary:

Four scope amendments have been completed for this project. Details included in the scope amendments can be found on the Amendment tab.

The 1st scope amendment provides information regarding traffic control and construction years. The 2nd scope amendment added detector loops for traffic counters. The 3rd Scope Amendment added auxiliary lanes between Exit 3 and Exit 4 on I229. The 4th Scope Amendment added median cable barrier through the project limits on I229.

The purpose of this 4R project is to replace the I229 interchange at Exit 4 (Cliff Avenue - structures 50-210-230 and 50-211-230) to improve mobility and safety within the interchange and along the Cliff Ave corridor for all users. The 2010 Decennial Interstate Corridor Study and the I229 Major Investment Study identified the need to improve the Cliff Ave interchange, due to substandard ramp shoulder widths, control of access lengths to the ramp terminals, pavement conditions on Cliff Ave, structure design life, existing and future traffic demands, lack of multi-modal facilities along Cliff Ave, and safety of the traveling public within the interchange. This project will include grading, PCC surfacing, structures, curb & gutter, sidewalk, storm sewer, traffic signals, lighting, and pavement markings. The project is expected to be a 12 (See Amendment 1) year construction project.

An Interchange Modification Justification Report (IMJR) will be completed by SEH Engineering Inc (SEH) that aided in the identification of a recommended interchange location, design, and typical section. The recommended interchange alternative is a single point interchange configuration with Cliff Ave underneath the I229 structures. Information in the Study and Environmental Scan Reports can be found in the following links: <file:/U:\pd\Studies\I229-Exits3-4\IMJRs\Exit4\Final\IMJR%20I-229%20Exit%204%20wAppendix%2010282020.pdf>, <file:/U:\pd\Studies\I229-Exits3-4\Environmental\ESR\Exit4\1stDraft\Exit%204%20ESR%2006292020%20-%20Draft.pdf>. A layout of the recommended alternative for the Exit 4 (Cliff Ave) interchange can be found in the Appendix tab. The layout should not be considered the ultimate design, but gives a general overview for overall layout, lane configurations, and proposed turn lane locations.

Structure 50-210-230 is on I229S over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985. Structure 50-211-230 is on I229N over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985.

Additional Proposed Improvements:

I229 N&S Mainline Subgrade Width between the Median Crossovers West and East of Exit 4 - The typical section will be 3 - 12' lanes with 10' inside and outside shoulders.

41st Street - Realign 41st Street to obtain a 340' control of access spacing from the new Cliff Ave single point interchange and install a new traffic signal.

Cliff Ave from Park Road to the Lincoln High School Entrance north of Pam Road - Reconstruct Cliff Ave within the impacted interchange area shown in the layout in the Appendix tab. The lane widths on Cliff Ave will be 12' wide based on the City of Sioux Falls design standards and the IMJR's traffic analysis. A 6' sidewalk will be installed on the west side of Cliff Ave and a 10' shared-use path will be installed on the east side of Cliff Ave.

The City of Sioux Falls has the option to install 2 pedestrian underpasses for the shared-use path at their expense, but has decided not to move forward with that option at the time this project was scoped.

The Sioux Falls School District would like to have the ROW that is on their side of the current ROW fence in the

NE quadrant and prefer to have the first opportunity at all ROW no longer needed in the NE quadrant after the project.

The IMJR also recommended installing a traffic signal at the intersection of Cliff Ave & 38th Street to provide an acceptable LOS, and turn lane capacity improvements, storage lane extensions, and signal timing/coordination improvements along Cliff Ave outside the interchange area. These improvements will not be included in this project and will be responsibility of the City of Sioux Falls with a future project, as necessary.

ROW will be needed at the new interchange. The old grading plans indicate an existing 150' wide ROW from the center of the median throughout the entire project limits. Final ROW impacts will be determined during design. Based on the layout in the Appendix tab, there are several relocations needed for the preferred alternative. There will be impacts to commercial and industrial business as well as residences. Additional time will be required for relocation entitlements, valuations, and negotiating right of way.

A mainline crossover project PCN 07CY is currently programmed in 2024 for the Exit 4 (Cliff Ave) interchange reconstruction project.

An aerial map is available for reference in the Appendix tab.

More detail of the work above can be found in the Proposed Project Information tab.

The Responsible Manager for this project is the Consultant Manager Pete Longman in the SDDOT Office of Road Design.

It is the responsibility of the Designer to ensure the project meets or exceeds the current minimum SDDOT design standards and policies. The Consultant Manager shall coordinate any improvements not included in the scope of work involving grading, ROW needs, inslope flattening, and/or pipe/drainage work with the Environmental Office and assigned Planning Engineer for any additional environmental clearances that may be required. The Consultant Manager shall verify with the Pavement Engineer that the surfacing recommendation provided in the Approved Scope is the most current recommendation before proceeding with the project design.

Improvement Types Quick Reference

Type	Included
Grading	Yes
Hydraulic	Yes
Maintenance	No
Rest Area/Building Sites	No
Research	No
Resurfacing/Surfacing	Yes
Right of Way	Yes
Railroad	No
Roadside Development	Yes
Safety	Yes
Structure	Yes
Traffic	Yes
ADA	No



SOUTH DAKOTA DEPARTMENT OF GAME, FISH AND PARKS

523 EAST CAPITOL AVENUE | PIERRE, SD 57501

December 27, 2018

Joanne Hight
SD Department of Transportation
700 E. Broadway Avenue
Pierre, SD 57501

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave) in Sioux Falls
Interchange Improvements

Dear Joanne,

The Department of Game, Fish and Parks has reviewed the above project involving interchange improvements on I-229, Exit 4 in Sioux Falls.

A search of the South Dakota Natural Heritage Database found records of trout-perch (*Percopsis omiscomaycus*), a species of greatest conservation need in the Big Sioux River, downstream of the project area.

Based on the information provided, there is no anticipated significant impact to fish and wildlife resources and would anticipate that to remain if the following suggestions are considered during the planning and construction of the project:

1. Disturbance to riparian and wetland areas should be kept to an absolute minimum.
2. If riparian vegetation is lost it should be quantified and replaced on site. Seeding of indigenous species should be accomplished immediately after construction to reduce sediment and erosion.
3. A site specific sediment and erosion control plan should be part of the project.
4. A post construction erosion control plan should be implemented in order to provide interim control prior to re-establishing permanent vegetative cover on the disturbed site.
5. Stream bottoms impacted by construction activities should be restored to pre-project elevations.
6. In stream work should not be conducted during fish spawning periods. Most spawning occurs during April, May and June.

If you have any questions, please feel free to contact me at 605-773-6208.

Sincerely,

Hilary Meyer
Environmental Review Senior Biologist
523 East Capitol Avenue
Pierre, SD 57501



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

July 10, 2024

Chad Babcock
DOT Environmental Office
523 E Capitol Ave
Pierre, SD 57501

Subject: Environmental Review - SDDOT IM-CR 2292(84)2, PCN 000s; NH 2
115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN

Dear Mr. Babcock.:

The South Dakota Department of Agriculture and Natural Resources (DANR) has reviewed the above-referenced project for potential impacts to natural resources. Based on the information submitted in your letter dated June 24, 2024, DANR has the following comments and permitting requirements.

Air Quality

Based on the information provided, this project is unlikely to have adverse impacts to air quality in the area. Should the parameters of the project change, please reach out to Tanner Turk at Tanner.Turk@state.sd.us or (605) 773-3151.

Drinking Water

Based on the information provided, this project will not have adverse environmental effects to drinking water in this area. Should the parameters of your project change, please reach out to Mark Mayer at 605-773-6039 or Mark.Mayer@state.sd.us.

Forestry

Based on the information provided Resource Conservation & Forestry has determined this project will have no significant impact on the woodland/forestry resources of the area. Should changes or adjustments be made to the location of this project, please reach out to Amanda Morrison at Amanda.morrison@state.sd.us or (605) 394-2279.

Groundwater

Based on the information provided, this project is unlikely to have adverse effects on ground water quality. Should the parameters of your project change, please reach out to Matt Hicks at 605-773-5337 or Matt.Hicks@state.sd.us. If this project impacts tribal lands, DANR recommends you also consult the tribe's environmental coordinator for any additional conditions.

Solid and Hazardous Waste

It appears, based on the information provided, this project will have little or no impact on solid waste management in the area. If you have any questions, please contact Waste Management at 605-773-3153.

It is not expected that any hazardous wastes sites will be encountered within the vicinity of your project area. However, if road construction is planned for areas within a city or town, the contractor should contact this Department prior to construction. Should any hazardous waste be generated during the implementation of this project, the generator must abide by all applicable hazardous waste regulations. To determine whether your project may generate hazardous waste, visit:

<https://www.epa.gov/hwgenerators/managing-your-hazardous-waste-guide-small-businesses>. If you have any questions please contact Anthony Wagner at 605-773-3153, or anthony.wagner@state.sd.us.

Demolition or renovation of a building structure may be subject to the South Dakota asbestos requirements. If demolition or renovation is part of this construction project, or if the scope of the project changes to include demolition or renovation, please contact Anthony Wagner at 605-773-3153, or anthony.wagner@state.sd.us.

Surface Water

The Water Quality Program has reviewed your request for comments letter. Based on the information provided, the program has the following comments:

All tributaries, creeks, wetlands, and lakes within the vicinity of this project are considered waters of the state and are protected under Administrative Rules of South Dakota (ARSD) Chapter 74:51. Special construction measures may have to be taken to ensure that water quality standards are not violated.

The project is next to the Big Sioux River. This waterbody is classified by the South Dakota Surface Water Quality Standards and Uses Assigned to Streams for the following beneficial uses: (5) Warmwater semipermanent fish life propagation waters; (7) Immersion recreation waters; (8) Limited contact recreation waters; (9) Fish and wildlife propagation, recreation, and stock watering waters; and (10) Irrigation waters. Because of these beneficial uses, special construction measures may have to be taken to ensure that the 30-day average total suspended solids criterion of 90 mg/L and the daily maximum total suspended solids criterion of 158 mg/L are not violated.

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site. Any construction activity that disturbs an area of one or more acres of land must have authorization under the General Permit for Storm Water Discharges Associated with Construction Activities. A Surface Water Discharge permit may be required if any construction dewatering should occur because of this project. Contact the Department of Agriculture and Natural Resources for additional information or guidance at 1-800-SDSTORM (1-800-737-8676) or

<https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/default.aspx>

The discharge of pollutants from any source, including indiscriminate use of fill material, may not cause destruction or impairment except where authorized under Section 404 of the Federal Water Pollution Control Act. Please contact the United States Army Corps of Engineers for more information 605-224-8531.

Tanks and Spills

The Inspection, Compliance, and Remediation Program (ICRP) maintains a database of registered storage tanks and spills/environmental events, including petroleum and chemical releases in South Dakota. Our records show numerous known spills/environmental events and registered storage tank facilities near both exits in your project area. For more information about all currently known tanks and spills/environmental events (including pdf copies of case files), please visit: <https://apps.sd.gov/nr42interactivemap>. We also recommend you check the online database as your project progresses, for information about any future spills/environmental events or registered tanks that may be in or near your project area.

While we do our best to maintain accurate information about spills/environmental events and registered tanks, in some cases the location information provided to us may have been inaccurate. If contamination is encountered or if a spill occurs during onsite construction activity, that contamination or spill must be reported to DANR at 605-773-3296 (605-773-3231 after hours). Contaminated soil that has been excavated should be segregated from clean soil and sampled to determine disposal requirements. Further, any piping, equipment, or other material to be placed in a location where it will be in contact with contaminated soil or groundwater, should be evaluated to determine if it is compatible with the contaminant. If you have questions, please contact Baylee Hoff at baylee.hoff@state.sd.us or (605) 773-3296.

Thank you for providing DANR the opportunity to comment on this project. If you have any questions regarding the information provided, please contact me at 605-773-3296.

Water Rights

If water is needed during construction that is obtained from surface or ground water, a temporary permit for the use of public water will need to be obtained. If water is supplied by a municipality or rural water system for construction purposes, no additional water permitting is required. Please contact Amanda Dewell at amanda.dewell@state.sd.us or (605) 773-3352 if you have any questions or find form at <https://danr.sd.gov/OfficeOfWater/WaterRights/docs/D2052LDV1-TempApp.pdf>.

Sincerely,



Baylee Hoff
Environmental Scientist
SD DANR- Environmental Assessment Contact
Phone: (605) 773-3296

Email: Baylee.Hoff@state.sd.us

cc/e: Jason Gearman, Minnehaha County EM

From: [Babcock, Chad](#)
To: [Hoff, Baylee](#); [Kindt, Trish](#); [Peterson, Macy Jo](#)
Cc: [Marty Falk](#); [Ross Harris](#)
Subject: SDDOT IM-CR 2292(84)2, PCN 000s; NH 2115(46), PCN 08DN; IM-B-CR 2292(101)3, PCN 05HN
Date: Monday, June 24, 2024 4:23:47 PM
Attachments: [image001.png](#)
[Minn000S_DANR - Exit 3.pdf](#)
[Minn0H5N_DANR - Exit 4.pdf](#)

Good afternoon,

Attached are updated coordination letters for the I229 Exit 3 & I229 Exit 4 Interchange projects. I am requesting your comments as soon as possible, so the project's environmental documentation can be completed and the project can be let and constructed in a timely manner.

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached.

Please contact me with any questions you may have about the attached information. Thank you!



Chad Babcock

Environmental Manager | South Dakota Department of Transportation

Better Lives Through Better Transportation

700 E. Broadway Ave, Pierre SD 57501

O: 605.773.3721 | C: 605.321.1953 | dot.sd.gov



Planning and Engineering
Environmental Office
700 E Broadway Avenue
Pierre, SD 57501-2586
O: 605.773.4336
dot.sd.gov

June 24, 2024

Baylee Hoff
SD Dept. of Agriculture & Natural Resources
523 E. Capitol Ave
Pierre, SD 57501-3181

**RE: Project IM 2292(101), PCN 05HN, Minnehaha County
& Sioux Falls CIP #11100, Sioux Falls (#7 2023 Bike Plan)**
I-229 – Exit 4 (Cliff Ave) Sioux Falls
Interchange modification and associated City improvements to Cliff Ave and bike trail

Dear Ms. Hoff:

The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan). A project location map is attached. Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached.

Location information for this project is as follows:

North Limit: 43.52215, -96.73127
East Limit: 43.52462, -96.70333
South Limit: 43.50756, -96.71109
West Limit: 43.50459, -96.74586
Borrow Site: 43.49419, -96.77005
Section 6(f) replacement property: 43.50736, -96.72766

Please comment on any of the following topics that pertain to your agency as they pertain to the update project area:

1. Water Quality Standards
2. Air Quality
3. Hazardous Waste
4. Underground Storage Tanks
5. Contaminated Soils



Planning and Engineering

Environmental Office
700 E Broadway Avenue
Pierre, SD 57501-2586
O: 605.773.4336
dot.sd.gov

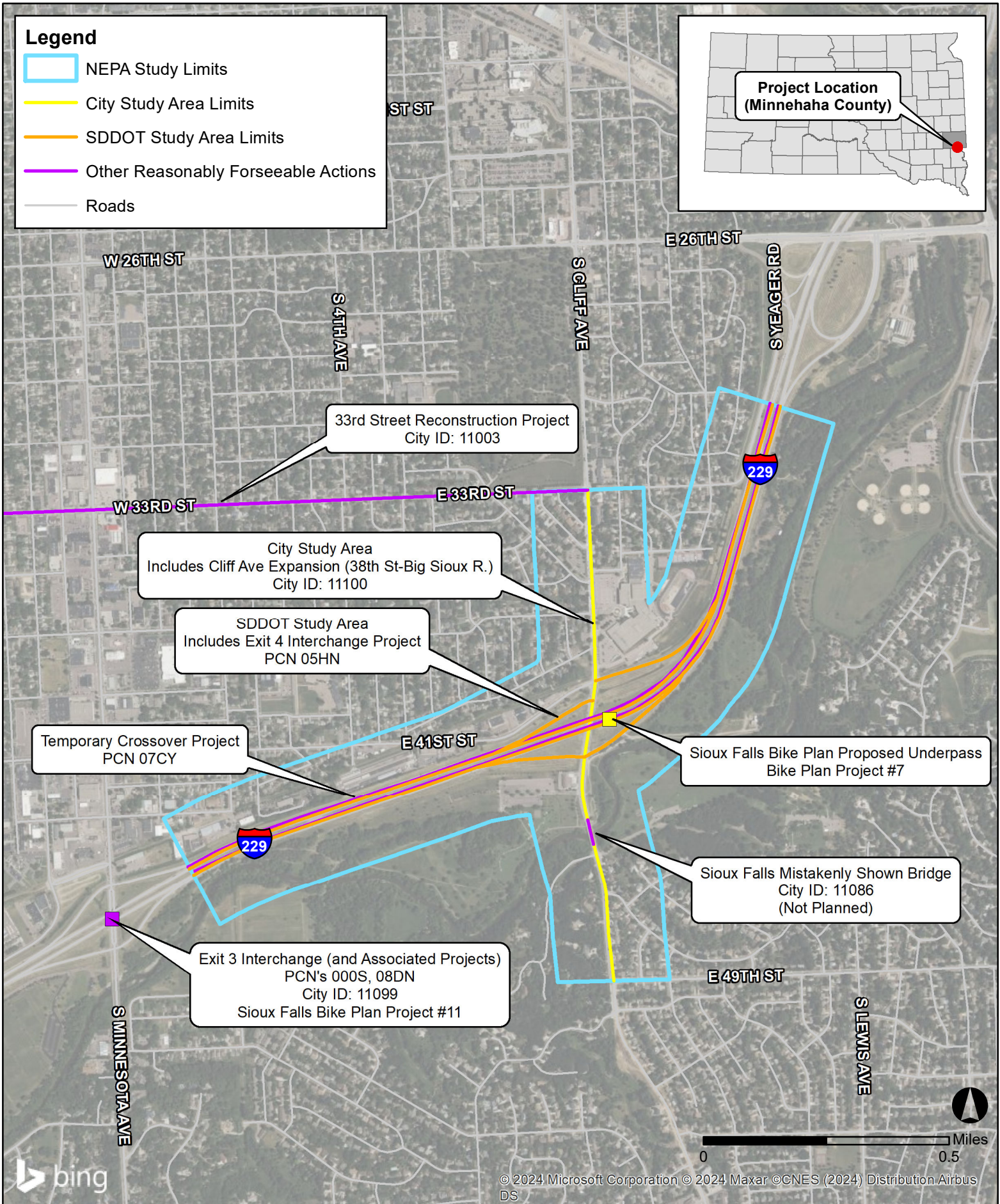
Please submit your comments as soon as possible, so that the project's environmental documentation can be completed, and the project can be let and constructed in a timely manner.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chad Babcock".

Chad Babcock
Environmental Manager
605.773.3721

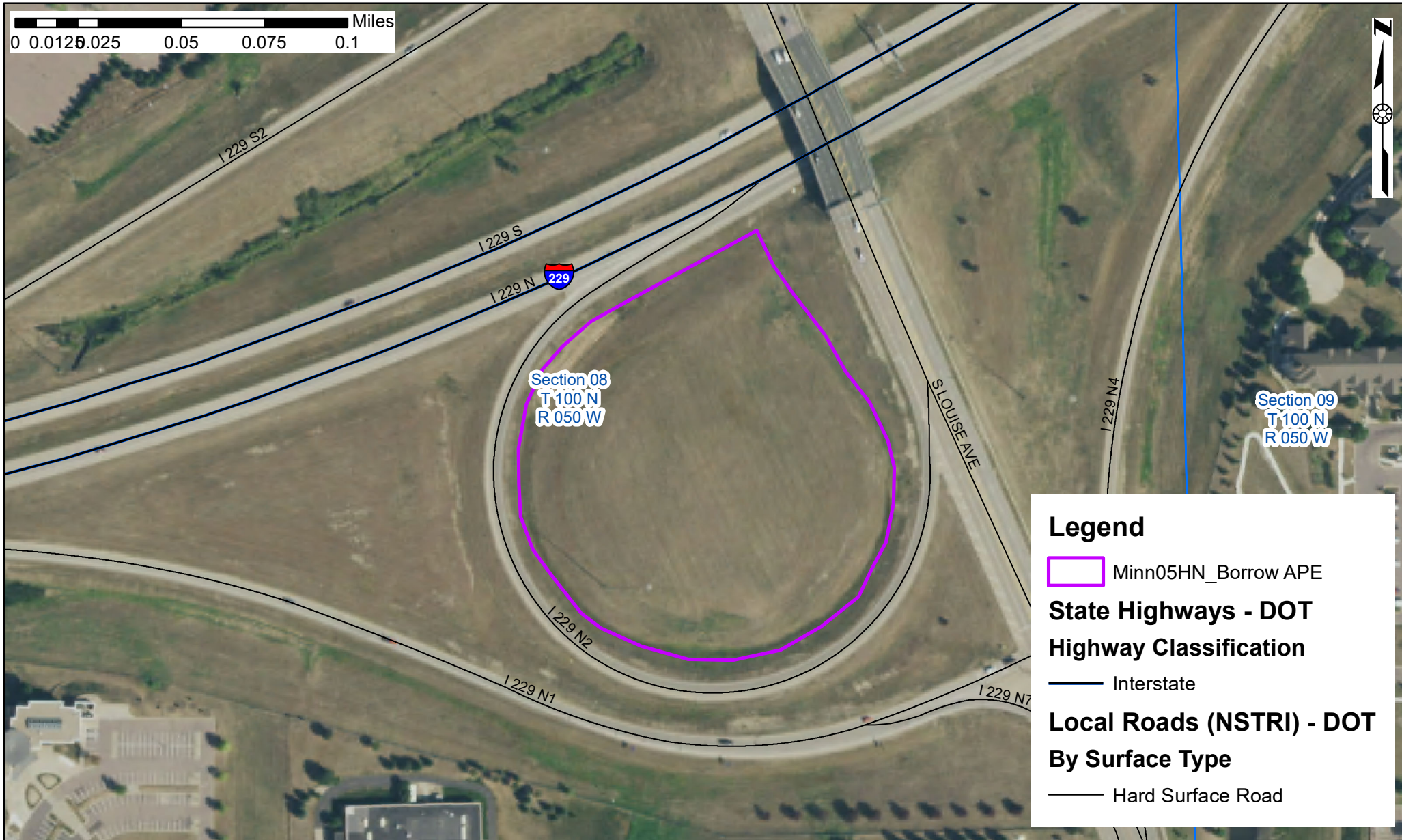
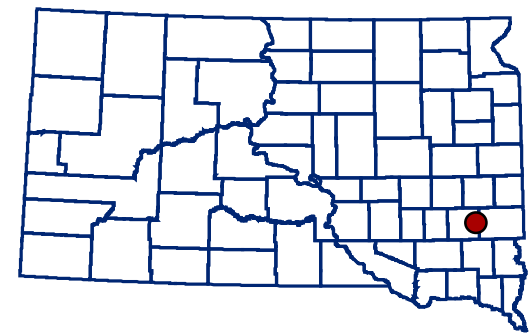
Attachments:
Project Location Map
Proposed Borrow Site Map
Section 6(f) Replacement Property Map
Project Scope

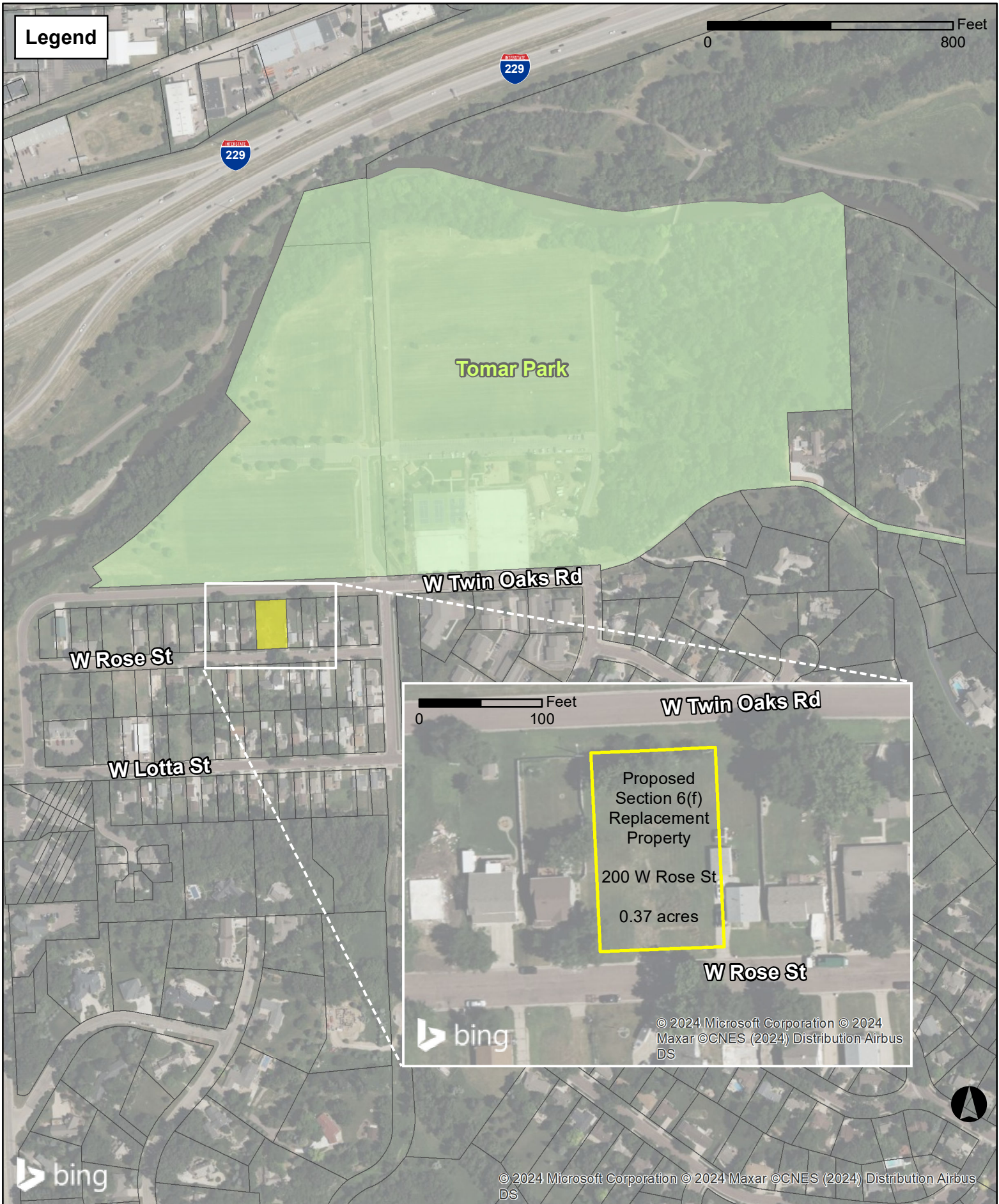




IM 2292(101), PCN 05HN
Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls

Borrow Site





401 East 8th Street
Suite 309
Sioux Falls, SD 57103
(605) 330-7000

Print Date: 6/19/2024
Source: Bing Maps,

Map by: m/falk
Projection: State Plane
South Dakota S

Proposed Section 6(f) Replacement Property
I-229 Exit 4 (Cliff Avenue) Interchange
Minnehaha County, SD

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Scope updates.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (01/08/2021 - SLD)

The following scope updates resulted from the Scoping Meeting on PCN 000S held on 12/30/2020:

The work needed for traffic control on the Minnesota Ave interchange project, PCN 000S, will now be added this project. This work was originally to be completed with PCN 07CX; 07CX will be cancelled and all advance work to accommodate managing traffic for 000S will be completed with 05HN. The work may include installing temporary ramp crossovers, possible widening needed at the existing mainline median crossovers to maintain 2 lanes of traffic during construction, and constructing a temporary road which may include installing the temporary structure, hauling berm material, etc.

This project will now have a 2-year construction which will be in fiscal years 2025 and 2026. This will allow more time for completing the interchange work at Cliff Ave, removing the temporary structure needed for traffic control on the Cliff Ave interchange project, and completing the temporary traffic control work needed for the Minnesota Ave interchange project.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Detector loops.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (05/26/2021 - SLD)

Install preformed detector loops for traffic counters on I229 NB between the EB on-ramp and the end project limits and on I229 SB from between the WB off-ramp and the end project limits. The designer will contact the Office of Transportation Inventory Management to identify the locations of the preformed detector loops. The detector loops will be added to Section L in the plans.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Auxiliary lanes between Exit 3 and Exit 4.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (04/28/2022 - SLD)

Auxiliary lanes should be installed on I229 between Exit 3 and Exit 4, due to the end of the tapers for the off-ramps and on-ramps being only 28' apart on southbound I229 and overlapping on northbound I229. A layout showing the tapers for the off-ramps and on-ramps can be found in the Appendix tab.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Install median cable barrier.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders.
(04/23/2024 - SLD)

High-tension median cable barrier should be installed on this project through the project limits on I229 as part of a safety corridor using the new design guidance developed by the SDDOT Standards Engineer per Chapter 10 in the SDDOT Road Design Manual.

The Safety SIT was updated in the Proposed Project Information tab.

Approved Scope

For project(s): 05HN

Approved Date: 05/23/2024

Executive Summary:

Four scope amendments have been completed for this project. Details included in the scope amendments can be found on the Amendment tab.

The 1st scope amendment provides information regarding traffic control and construction years. The 2nd scope amendment added detector loops for traffic counters. The 3rd Scope Amendment added auxiliary lanes between Exit 3 and Exit 4 on I229. The 4th Scope Amendment added median cable barrier through the project limits on I229.

The purpose of this 4R project is to replace the I229 interchange at Exit 4 (Cliff Avenue - structures 50-210-230 and 50-211-230) to improve mobility and safety within the interchange and along the Cliff Ave corridor for all users. The 2010 Decennial Interstate Corridor Study and the I229 Major Investment Study identified the need to improve the Cliff Ave interchange, due to substandard ramp shoulder widths, control of access lengths to the ramp terminals, pavement conditions on Cliff Ave, structure design life, existing and future traffic demands, lack of multi-modal facilities along Cliff Ave, and safety of the traveling public within the interchange. This project will include grading, PCC surfacing, structures, curb & gutter, sidewalk, storm sewer, traffic signals, lighting, and pavement markings. The project is expected to be a 12 (See Amendment 1) year construction project.

An Interchange Modification Justification Report (IMJR) will be completed by SEH Engineering Inc (SEH) that aided in the identification of a recommended interchange location, design, and typical section. The recommended interchange alternative is a single point interchange configuration with Cliff Ave underneath the I229 structures. Information in the Study and Environmental Scan Reports can be found in the following links: <file:/U:\pd\Studies\I229-Exits3-4\IMJRs\Exit4\Final\IMJR%20I-229%20Exit%204%20wAppendix%2010282020.pdf>, <file:/U:\pd\Studies\I229-Exits3-4\Environmental\ESR\Exit4\1stDraft\Exit%204%20ESR%2006292020%20-%20Draft.pdf>. A layout of the recommended alternative for the Exit 4 (Cliff Ave) interchange can be found in the Appendix tab. The layout should not be considered the ultimate design, but gives a general overview for overall layout, lane configurations, and proposed turn lane locations.

Structure 50-210-230 is on I229S over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985. Structure 50-211-230 is on I229N over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985.

Additional Proposed Improvements:

I229 N&S Mainline Subgrade Width between the Median Crossovers West and East of Exit 4 - The typical section will be 3 - 12' lanes with 10' inside and outside shoulders.

41st Street - Realign 41st Street to obtain a 340' control of access spacing from the new Cliff Ave single point interchange and install a new traffic signal.

Cliff Ave from Park Road to the Lincoln High School Entrance north of Pam Road - Reconstruct Cliff Ave within the impacted interchange area shown in the layout in the Appendix tab. The lane widths on Cliff Ave will be 12' wide based on the City of Sioux Falls design standards and the IMJR's traffic analysis. A 6' sidewalk will be installed on the west side of Cliff Ave and a 10' shared-use path will be installed on the east side of Cliff Ave.

The City of Sioux Falls has the option to install 2 pedestrian underpasses for the shared-use path at their expense, but has decided not to move forward with that option at the time this project was scoped.

The Sioux Falls School District would like to have the ROW that is on their side of the current ROW fence in the

NE quadrant and prefer to have the first opportunity at all ROW no longer needed in the NE quadrant after the project.

The IMJR also recommended installing a traffic signal at the intersection of Cliff Ave & 38th Street to provide an acceptable LOS, and turn lane capacity improvements, storage lane extensions, and signal timing/coordination improvements along Cliff Ave outside the interchange area. These improvements will not be included in this project and will be responsibility of the City of Sioux Falls with a future project, as necessary.

ROW will be needed at the new interchange. The old grading plans indicate an existing 150' wide ROW from the center of the median throughout the entire project limits. Final ROW impacts will be determined during design. Based on the layout in the Appendix tab, there are several relocations needed for the preferred alternative. There will be impacts to commercial and industrial business as well as residences. Additional time will be required for relocation entitlements, valuations, and negotiating right of way.

A mainline crossover project PCN 07CY is currently programmed in 2024 for the Exit 4 (Cliff Ave) interchange reconstruction project.

An aerial map is available for reference in the Appendix tab.

More detail of the work above can be found in the Proposed Project Information tab.

The Responsible Manager for this project is the Consultant Manager Pete Longman in the SDDOT Office of Road Design.

It is the responsibility of the Designer to ensure the project meets or exceeds the current minimum SDDOT design standards and policies. The Consultant Manager shall coordinate any improvements not included in the scope of work involving grading, ROW needs, inslope flattening, and/or pipe/drainage work with the Environmental Office and assigned Planning Engineer for any additional environmental clearances that may be required. The Consultant Manager shall verify with the Pavement Engineer that the surfacing recommendation provided in the Approved Scope is the most current recommendation before proceeding with the project design.

Improvement Types Quick Reference

Type	Included
Grading	Yes
Hydraulic	Yes
Maintenance	No
Rest Area/Building Sites	No
Research	No
Resurfacing/Surfacing	Yes
Right of Way	Yes
Railroad	No
Roadside Development	Yes
Safety	Yes
Structure	Yes
Traffic	Yes
ADA	No



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

December 27, 2018

Joanne Hight
Department of Transportation
700 East Broadway Avenue
Pierre, South Dakota 57501

RE: SD DOT Project
IM 2292(101)4
PCN 05HN
Minnehaha County

Dear Ms. Hight:

The South Dakota Department of Environment and Natural Resources (DENR), Division of Environmental Regulation, has reviewed the above referenced project.

This office has no objections to this project, which should not result in any violations of applicable statutes or regulations provided the Department of Transportation and/or its contractor(s) comply with the following requirements.

SURFACE WATER QUALITY

1. All fill material shall be free of substances in quantities, concentrations, or combinations which are toxic to aquatic life.
2. Removal of vegetation shall be confined to those areas absolutely necessary to construction.
3. At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site. Any construction activity that disturbs an area of one or more acres of land must have authorization under the General Permit for Storm Water Discharges Associated with Construction Activities. Contact the Department of Environment and Natural Resources for additional information or guidance at 1-800-SDSTORM (800-737-8676) or <http://denr.sd.gov/des/sw/stormwater.aspx>.
4. All material identified in the application as removed waste material, material stockpiles, dredged or excavated material shall be placed for either temporary or permanent disposal in an upland site that is not a wetland, and measures taken to ensure that the material cannot enter the watercourse through erosion or any other means.
5. Methods shall be implemented to minimize the spillage of petroleum, oils and lubricants used in vehicles during construction activities. If a discharge does occur, suitable containment procedures such as banking or diking shall be used to prevent entry of these materials into a waterway.

6. All newly created and disturbed area above the ordinary high water mark which are not ripped shall be seeded or otherwise revegetated to protect against erosion.
7. This project may be in the vicinity of multiple streams and wetlands. These waters are considered waters of the state and are protected under Administrative Rules of South Dakota (ARSD) Chapter 74:51. Special construction measures may have to be taken to ensure that water quality standards are not violated.

This project is in the vicinity of the Big Sioux River. This waterbody is classified by the South Dakota Surface Water Quality Standards and Uses Assigned to Streams for the following beneficial uses:

- (5) Warmwater semipermanent fish life propagation waters;
- (7) Immersion recreation waters;
- (8) Limited contact recreation waters;
- (9) Fish and wildlife propagation, recreation, and stock watering waters; and
- (10) Irrigation waters.

Because of these beneficial uses, special construction measures may have to be taken to ensure that the 30-day average total suspended solids criterion of 90 mg/L is not violated.

HAZARDOUS and SOLID WASTES

1. Should any hazardous waste be generated during the implementation of this project, the generator must abide by all applicable hazardous waste regulations found in ARSD 74:28 and 40 CFR Part 262.
2. If any contamination is encountered during construction activities, the contractor, owner, or party responsible for the release must report the contamination to the department at 605-773-3296. Any contaminated soil encountered must be temporarily stockpiled and sampled to determine disposal requirements.
3. It is not expected that any hazardous wastes sites will be encountered during road construction in any rural area. However, if road construction is planned for areas within a city or town, the DOT or contractor should contact this Department prior to construction.
4. Some solid waste may be generated during this project. Any solid waste generated that will not be reused in some beneficial manner must be disposed or managed at a permitted solid waste facility.
5. Regional landfills able to accept all solid waste generated are listed on our website available here: <https://apps.sd.gov/NR60SolidWaste/main.html#>. Only Regional landfills are permitted to accept all wastes generated. If you have any questions please contact Waste Management at 605-773-3153.
6. Demolition or renovation of a building structure may be subject to asbestos abatement requirements. If demolition is part of the construction projects please contact our Asbestos Coordinator at 605-773-3153.

AIR QUALITY

1. It appears that Department of Transportation projects may have only a minor impact on the air quality in South Dakota. This impact would be through point source and fugitive emissions.
2. Equipment with point source emissions in many cases are required to have an air quality permit to operate. Permit applications can be obtained from the Air Quality or Minerals and Mining Programs.

3. Fugitive emissions, although not covered under State air quality regulations, are a common source of public concern and may be subject to local or county ordinances. Fugitive emissions add to the deterioration of the ambient air quality and should be controlled to protect the health of communities within the construction areas.
4. For further air quality information, please contact Rick Boddicker, Air Quality Program, telephone number 605-773-3151.

This office requests the opportunity to review and comment on any significant changes that may be proposed before the project is completed. Thank you for the opportunity to comment on the proposed project. If you have any questions, please contact me at 605-773-3351 or Shannon.Minerich@state.sd.us.

Sincerely,

A handwritten signature in cursive script that reads "Shannon Minerich".

Shannon Minerich
Environmental Scientist
Surface Water Quality Program

Cc: Deanna Lehrkamp, DENR Waste Management Program
Rick Boddicker, DENR Air Quality Program



July, 18, 2024

Chad Babcock
SDDOT
700 E Broadway
Pierre, SD 57501

SECTION 106 PROJECT CONSULTATION

Project: 230908003F – IM 2292(101), PCN 05HN, Minnehaha County & Sioux Falls CIP #11100, Sioux Falls (#7 2023 Bike Plan) , Minnehaha County; I229 Exit 4 Interchange
Location: Minnehaha
FHWA - Federal Highway Administration

Dear Chad,

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 June 17, 2024, SHPO received your letter, maps showing the APE, and project plans. This project has been previously consulted on under SHPO# 190424003F and SHPO #230908003F. The information received on June 17, 2024 indicated that this proposed undertaking is composed of separate federal actions and that project updates required additional consultation.

Based upon the information provided, the proposed undertaking is for improvements to be made to the I229 Exit 4 Interchange, Cliff Avenue Improvements, bike path construction (#7 2023 Bike Plan), and the Louise Interchange borrow site. This resubmission indicates that work will remain within the same APE as previously consulted on. Previous consultation concurred with a determination of "No Adverse Effect" for potential effects to the National Register Eligible rail grade 39MH2000. SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100), bike path construction (#7 2023 Sioux Falls Bike Plan) and the Louise Interchange borrow site represent one federal action.

After reviewing the updated information, SHPO continues to concur with the determination of "No Adverse Effect" for the proposed undertaking, provided that the work remains within the area surveyed.

Changes in the location and/or nature of activities from those identified in your request will require the submission of additional documentation pertaining to the identification of historic properties, as described in 36 C.F.R. § 800.4, and/or the undertaking's effects on historic properties, as described in 36 C.F.R. § 800.11.

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

If historic properties are discovered or unanticipated effects on historic properties are found after the agency official has completed the Section 106 process, the agency official shall avoid, minimize or mitigate the adverse effects to such properties and notify the SHPO and Indian tribes that might attach



religious and cultural significance to the affected property within 48 hours of the discovery, pursuant to 36 C.F.R. § 800.13.

Should you require any additional information, please contact Jozef Lamfers at Jozef.Lamfers@state.sd.us or at 605-773-6004. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,
Benjamin F. Jones, PhD
Interim State Historic Preservation Officer

A handwritten signature in black ink that reads "Jozef Lamfers". The signature is written in a cursive style with a long, horizontal flourish extending to the right.

Jozef Lamfers
Review & Compliance Archaeologist

CC:

Cassie Vogt - Archaeological Research Center
Lynn Griffin - Archaeological Research Center
Megan Ostrenga Fabricius - Archaeological Research Center



Planning and Engineering

Environmental Office

700 E Broadway Avenue

Pierre, SD 57501-2586

O: 605.773.4336

dot.sd.gov

June 17, 2024

Jozef Lamfers, Review & Compliance Archaeologist
State Historic Preservation Office
Cultural Heritage Center
900 Governors Drive
Pierre, SD 57501-2217

**RE: Projects: IM 2292(101), PCN 05HN, Minnehaha County
& Sioux Falls CIP #11100, Sioux Falls (#7 2023 Bike Plan)**

I-229 – Exit 4 (Cliff Ave) Sioux Falls

Interchange modification and associated City improvements to Cliff Ave and bike trail

Dear Mr. Lamfers:

I am coordinating updates to the I229 Exit 4 Interchange project and request concurrence with our updated project effect determination.

The above-referenced project was previously coordinated with your office, resulting in a “No Adverse Effect” Section 106 determination for the project (SHPO Project 190424003F; letters dated June 12, 2019, and September 12, 2023). The undertaking for SHPO Project #190424003F involves the I229 Exit 3 and I229 Exit 4 interchange projects and associated crossovers and City of Sioux Falls improvements to Minnesota Ave (PCN 08DN), Cliff Avenue (CIP #11100) and bike path construction (#7 Sioux Falls Bike Plan), and the Louise Interchange borrow site. The I229 Exit 3 and I229 Exit 4 interchange projects, included in the prior coordination discussed above, represent two separate federal actions.

The I229 Exit 4 Interchange Project including SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan) and the Louise Interchange borrow site represent one federal action. The project limits remain inside the Area of Potential Effect (APE) identified in the September 12, 2023, coordination. A map of the project area and APE is attached.

The I229 Exit 4 Interchange NEPA Study Area extends to the intersection of Cliff Ave and 33rd Street to the north and Cliff Ave and 49th Street to the south which are rational endpoints used to complete traffic analysis for the project in order to establish the 23 CFR 771.111(f) requirements for the project. Although the NEPA Study Area extends from 33rd Street to 49th Street the work limits and impacts for the I229 Exit 4 Interchange Project have remain unchanged from those identified in the September 12, 2023, coordination with your office resulting in a continued concurrence of No Adverse Effect.

As discussed above, the City of Sioux Falls projects to improve Cliff Avenue (CIP #11100) and bike path construction (Bike Plan Project #7) will be included in the I229 Exit 4 Interchange Project and are covered in the APE, discussed above. The City of Sioux Falls also has a 33rd Street Reconstruction Project (CIP #11003) which is planned and is located adjacent to the north end of the NEPA Study Area. The 33rd Street project is currently planned by the City of Sioux Falls and no improvements associated with the 33rd Street project will be included in the I229 Exit 4 Interchange Project. The City of Sioux Falls is

responsible for determining applicability of Section 106 requirements and any necessary coordination with SHPO as the project is developed. A map identifying the NEPA Study Area and associated City of Sioux Falls projects is attached.

The September 12, 2023, coordination included the IM 2292(105)3, PCN 07CY, I229 crossovers project in the I229 Exit 4 Interchange Project. In November 2023, we coordinated this project as a separate federal undertaking and received SHPO concurrence of a continued "No Adverse Effect" determination.

SDDOT recommends the I229 Exit 4 interchange Project will continue to have No Adverse Effect on cultural resources. SDDOT requests SHPO concurrence in this Section 106 determination for the project.

Should any evidence of buried cultural resources be encountered during the project construction activities, such activities will cease and the SHPO in Pierre or the ARC in Rapid City (will be notified immediately in order to determine an appropriate course of action.

Sincerely,



Chad Babcock
Environmental Manager
605.773.3721

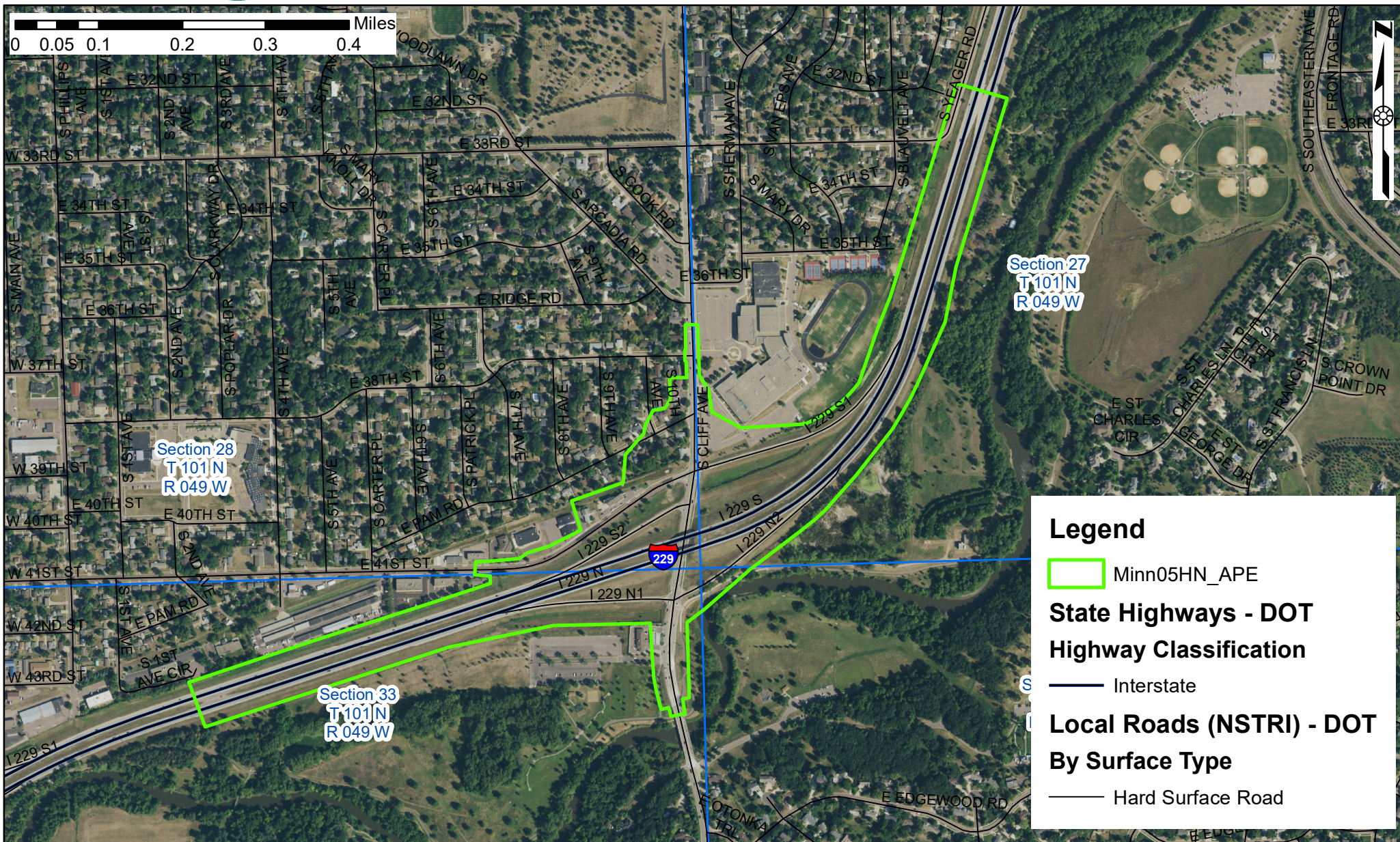
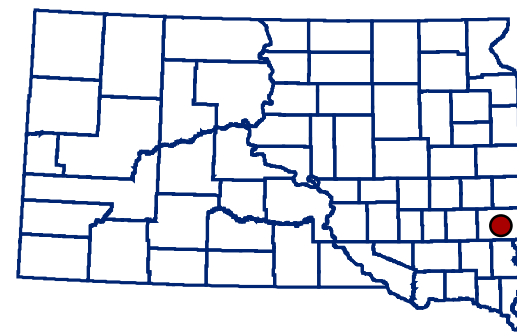
Attachments:

APE Map
NEPA Study Map



IM-B-CR 2292(101)3, PCN 05HN
Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls

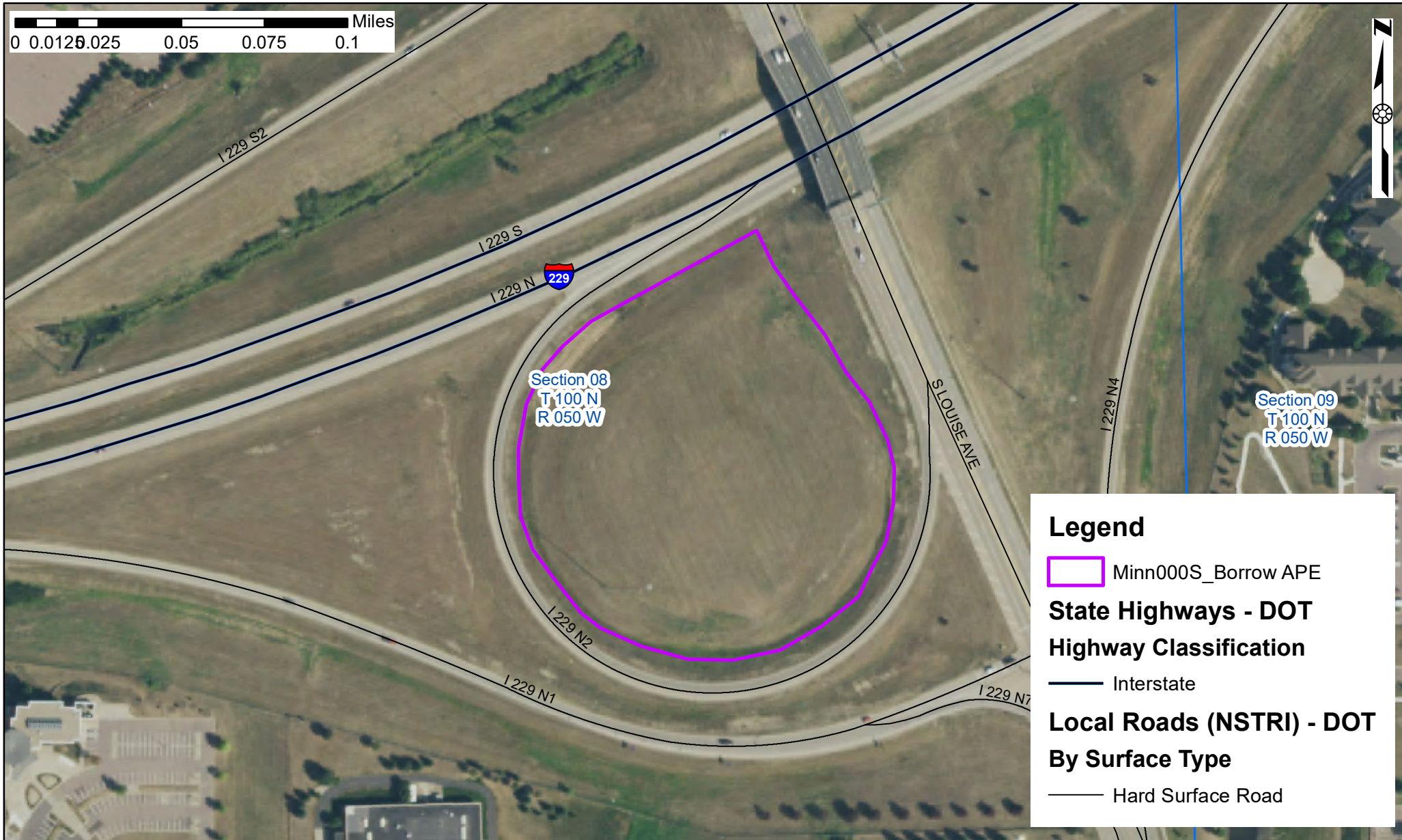
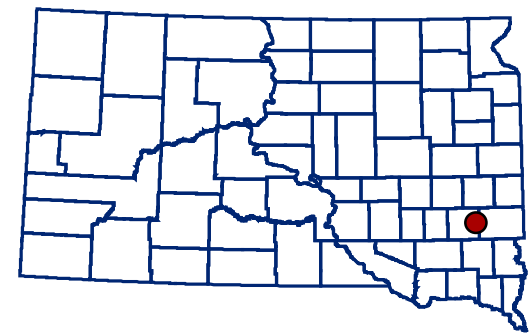
Interchange Reconstruction






IM 2292(84)2, PCN 000S
Minnehaha County
I229 - Exit 3 (Minnesota Ave) in Sioux Falls

Borrow Site



Legend

 Minn000S_Borrow APE

State Highways - DOT

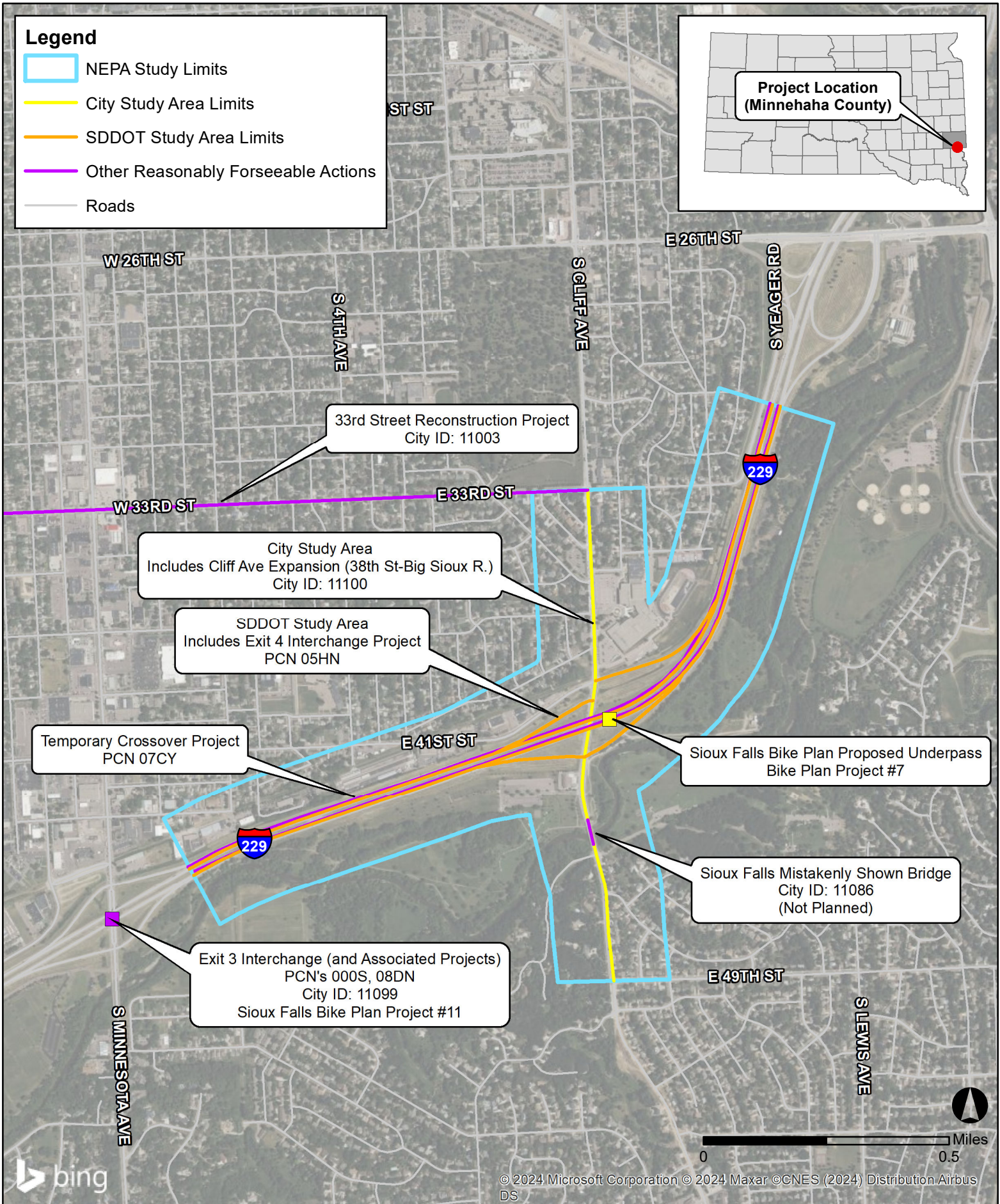
Highway Classification

 Interstate

Local Roads (NSTRI) - DOT

By Surface Type

 Hard Surface Road





November 13, 2023

Chad Babcock
SDDOT
700 E Broadway
Pierre, SD 57501

SECTION 106 PROJECT CONSULTATION

Project: 230908003F – IM 2292(84)2, PCN 000S; NH 2115(46), PCN 08DN; IM-B 2292(101)4, PCN 05HN; IM2292(105)3, PCN 07CY; IM 2292(106)2, PCN 07CX, Minnehaha County
Location: Minnehaha
FHWA - Federal Highway Administration

Dear Chad,

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 September 8, 2023, SHPO received your letter, maps of the Area of Potential Effects (APE), and a report titled "A Class III Cultural Resources Survey for South Dakota Department of Transportation Projects IM 2292(84)2 and IM-B-CR 2292(101)3, PCNs 000S and 05HN, Interstate 229 Exits 3 & 4, Lincoln and Minnehaha Counties, South Dakota" prepared by Fidel Martinez-Greer and Joes B. Jones of the Archaeological Research Center. Included in this report were efforts to identify cultural resources, maps showing the APE, and photographic overviews of the project area.

Based upon the information provided, the proposed undertaking is for interchange modifications, crossovers, and improvements. This project had been previously coordinated un SHPO# 190424003F. In the letter dated June 12, 2019 SHPO concurred with a determination of "No Adverse Effect". Since that time, revisions to the project design have necessitated additional consultation. According to the information submitted, the site 39MH2000 lies within the APE. This railroad is considered Eligible for listing in the National Register of Historic Places. Due to its heavily disturbed condition within the APE, it is considered not integral to the site's overall eligibility.

On November 13, 2023, additional information was received which indicated that the previously-coordinated proposed undertaking constituted two separate federal actions and should be coordinated as such. This submission is specifically for improvements to be made to the I229 Exit 4 Interchange (PCN 05HN), crossover (PCN 07CY), Cliff Avenue Improvements (CIP #11100), and bike path construction (#7 2023 Sioux Falls Bike Plan). This resubmission indicates that work will remain within the same APE as previously consulted on. No additional Historic Properties were identified within the APE. Therefore, SHPO concurs with your determination of "No Adverse Effect" for the proposed undertaking, provided that the work remains within the area surveyed.

Changes in the location and/or nature of activities from those identified in your request will require the submission of additional documentation pertaining to the identification of historic properties, as described



in 36 C.F.R. § 800.4, and/or the undertaking's effects on historic properties, as described in 36 C.F.R. § 800.11.

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

If historic properties are discovered or unanticipated effects on historic properties are found after the agency official has completed the Section 106 process, the agency official shall avoid, minimize or mitigate the adverse effects to such properties and notify the SHPO and Indian tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery, pursuant to 36 C.F.R. § 800.13.

Should you require any additional information, please contact Jozef Lamfers at Jozef.Lamfers@state.sd.us or at 605-773-6004. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,
Jenna Carlson Dietmeier
Interim State Historic Preservation Officer

A handwritten signature in black ink that reads "Jozef Lamfers".

Jozef Lamfers
Review & Compliance Archaeologist

CC:

Cassie Vogt - Archaeological Research Center
Lynn Griffin - Archaeological Research Center
Megan Ostrenga Fabricius - Archaeological Research Center

From: [Lehmkuhl, Tom \(FHWA\)](#)
To: [Babcock, Chad](#)
Cc: [Marty Falk](#); [Ross Harris](#)
Subject: RE: I229 Exit 4 EA_Section 4(f) No Use
Date: Monday, November 6, 2023 5:03:43 PM
Attachments: [image002.png](#)
[image003.png](#)
[image004.png](#)

As the impacted segment associated with the I-229 Exit 4 has been determined by SHPO as non-contributing to the eligibility of Site 39MH2000 (historic Burlington Northern Railroad grade) then FHWA agrees with your determination that there is no direct use of the historic property by the I-229 Exit 4 project for purposes of Section 4(f).

Identified in the Section 106 documents SharePoint link you provided is the Sept. 8, 2023, project submittal to SHPO which states that a Section 4(f) De Minimis finding to Site 39MH2000 would be pursued. I assume that this needs to be rescinded now if Exit 4 project will constitute no direct 4(f) Use to Site 39MH2000. That is unless the De Minimis finding to Site 39MH2000 is applicable to the Exit 3 project undertaking.

With that said – I discerned from the 9.8.2023 SHPO submittal and in SHPO's 9.12.2023 concurrence that the Project undertaking for the purpose of the Section 106 determination of effect was established to consist of projects: Exit 4 (PCN 05HN), Exit 3 (PCN 000S), Minnesota Ave (PCN 08DN), Modify Crossovers, Temporary Structures (PCN 07CY), and deleted project (PCN 07CX). As Exit 3 and Exit 4 {plus their associated tied projects} are two separate Federally funded project undertakings, I would suggest speaking with SHPO on the effects of the two actions (Exit 4 & Exit 3) as not constituting one Federal action. In addition, discuss with SHPO the feasibility of amending the separate submittals to incorporate the now recently identified projects associated with Exit 4 and those tied to Exit 3 as each a separate undertaking. My outlook is that the separation of these two distinct undertakings would then align each individual Project's Section 106 coordination with the National Environmental Policy Act more consistently with the provisions of 36 CFR 800.8.

Please contact me if you would like to discuss this further. Thank you.

[Tom Lehmkuhl](#)

Environmental Protection Specialist

FHWA – SD Division

116 E. Dakota Ave, Suite A

Pierre, SD 57501

Ph: 605.776.1012

tom.lehmkuhl@dot.gov

Pronouns: he, him, his

From: Babcock, Chad <Chad.Babcock@state.sd.us>

Sent: Wednesday, November 1, 2023 12:00 PM

To: Lehmkuhl, Tom (FHWA) <tom.lehmkuhl@dot.gov>

Cc: Marty Falk <mfalk@sehinc.com>; Ross D. Harris <rharris@sehinc.com>

Subject: I229 Exit 4 EA_Section 4(f) No Use

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.

Tom,

I have attached a figure showing the 4(f) resources identified for the I229 Exit 4 project. The figure identifies the 0.48 acre area associated with site 39MH2000 (historic Burlington Northern railroad grade) which will be permanently incorporated into the project. In August 2023, ARC completed a CRS which included this segment of 39MH2000, and determined the segment is no longer integral to the overall eligibility of site 39MH2000. SHPO concurred with this recommendation on September 12, 2023. I have included the language from the cultural resource report for this segment below. The report and SHPO coordination are available for your review in the SharePoint folder: [☐_Section 106 documents](#).

Because the segment of site 39MH2000, impacted by this project, is not integral to the overall eligibility of site 39MH2000 I am requesting your concurrence that the segment is not a 4(f) resource, as discussed in 4(f) Policy Paper Question 2A and there is no associated 4(f) use.

2. Historic Sites

Question 2A: How is Section 4(f) significance of historic sites determined?

Answer: *Historic site* is defined in 23 CFR 774.17. For purposes of Section 4(f), a historic site is significant only if it is on or eligible for the NR. Pursuant to the NHPA, FHWA in cooperation with the applicant consults with the SHPO and/or THPO, tribes that may attach religious and cultural significance to the property, and when appropriate, with local officials to determine whether a site is eligible for the NR. In case of disagreement between FHWA and the SHPO/THPO or if so requested by the ACHP, FHWA shall request a determination of eligibility from the Keeper of the NR (36 CFR 800.4(c)(2)). Any third party may also seek the involvement of the Keeper by asking the ACHP to request that the Federal agency seek a determination of eligibility.

If a site is determined not to be on or eligible for the NR, FHWA still may determine that the application of Section 4(f) is appropriate when an official (such as the Mayor, president of the local historic society, etc.) formally provides information to indicate that the historic site is of local significance. In rare cases such as this, FHWA may determine that it is appropriate to apply Section 4(f) to that property. In the event that Section 4(f) is found inapplicable, the FHWA Division Office should document the basis for not applying Section 4(f). Such documentation might include the reasons why the historic site was not eligible for the NR.

SITE 39MH2000

Site 39MH2000 is associated with the BN Railroad. The BN was the product of a merger in 1970 of five railroads: the Chicago, Burlington & Quincy; the Great Northern; the Northern Pacific; the Spokane, Portland, and Seattle; and the Pacific Coast Railroad (BNSF 2023). The BN quickly became the dominant railroad throughout the upper Midwest and Northwest regions of the country, including South Dakota, following the merger (Hufstetler and Bedeau 2007). Since the BN's merger with the Atchison, Topeka & Santa Fe Railway in 1995, the BN has come to be known

as

the Burlington Northern Santa Fe Railway (BNSF) becoming the largest rail network in North America (BNSF 2023).

There are two previously recorded segments of site 39MH2000 within Area 2 located east and west of S. Minnesota Ave. that were identified and revisited during the survey on May 23, 2003.

The segment located east of the intersection of S. Minnesota Ave. & W. 49th St. consists of a grass-covered but otherwise open section of maintained ROW between two commercial lots (Figures 9 and 10). The previously recorded segment along W. 49th St. between the intersection

with Duluth Ave. to S. Minnesota Ave. has been previously graded and covered over with concrete

paving (Figure 11).

A previously unrecorded segment of 39MH2000 was identified and recorded within Area 1 north

of 41st St. and west of Cliff Ave. (Figure 12). This segment was identified based on the BN railroad

illustrated on the USGS 7.5' Sioux Falls East Quadrangle. The visible component consists of a grass-covered but otherwise open section of linear grade extending between commercial and residential lots north of 41st St. (Figures 13 and 14). Based on plans from the City of Sioux Falls

provided by SDDOT, this newly recorded segment of 39MH2000 was previously graded and recontoured in 2006 to control drainage. There were no artifacts or features associated with 39MH2000 at either of the two previously recorded segments in Area 2 or at the newly recorded

segment in Area 1. Although site 39MH2000 has been determined Eligible for the NRHP, the three

segments identified during the current investigation in Areas 1 and 2 have been previously disturbed to the extent that they are no longer integral to the overall eligibility of site 39MH2000

for the NRHP.



Chad Babcock

Environmental Manager | South Dakota Department of Transportation

Better Lives Through Better Transportation

700 E. Broadway Ave, Pierre SD 57501

O: 605.773.3721 | C: 605.280.6035 | dot.sd.gov



September 12, 2023

Chad Babcock
SDDOT
700 E Broadway
Pierre, SD 57501

SECTION 106 PROJECT CONSULTATION

Project: 230908003F – IM 2292(84)2, PCN 000S; NH 2115(46), PCN 08DN; IM-B 2292(101)4, PCN 05HN; IM2292(105)3, PCN 07CY; IM 2292(106)2, PCN 07CX, Minnehaha County
Location: Minnehaha
FHWA - Federal Highway Administration

Dear Chad,

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 September 8, 2023, SHPO received your letter, maps of the Area of Potential Effects (APE), and a report titled "A Class III Cultural Resources Survey for South Dakota Department of Transportation Projects IM 2292(84)2 and IM-B-CR 2292(101)3, PCNs 000S and 05HN, Interstate 229 Exits 3 & 4, Lincoln and Minnehaha Counties, South Dakota" prepared by Fidel Martinez-Greer and Joes B. Jones of the Archaeological Research Center. Included in this report were efforts to identify cultural resources, maps showing the APE, and photographic overviews of the project area.

Based upon the information provided, the proposed undertaking is for interchange modifications, crossovers, and improvements. This project had been previously coordinated un SHPO# 190424003F. In the letter dated June 12, 2019 SHPO concurred with a determination of "No Adverse Effect". Since that time, revisions to the project design have necessitated additional consultation. According to the information submitted, the site 39MH2000 lies within the APE. This railroad is considered Eligible for listing in the National Register of Historic Places. Due to its heavily disturbed condition within the APE, it is considered not integral to the site's overall eligibility . No additional Historic Properties were identified within the APE. Therefore, SHPO concurs with your determination of "No Adverse Effect" for the proposed undertaking, provided that the work remains within the area surveyed.

Changes in the location and/or nature of activities from those identified in your request will require the submission of additional documentation pertaining to the identification of historic properties, as described in 36 C.F.R. § 800.4, and/or the undertaking's effects on historic properties, as described in 36 C.F.R. § 800.11.

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

If historic properties are discovered or unanticipated effects on historic properties are found after the



agency official has completed the Section 106 process, the agency official shall avoid, minimize or mitigate the adverse effects to such properties and notify the SHPO and Indian tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery, pursuant to 36 C.F.R. § 800.13.

Should you require any additional information, please contact Jozef Lamfers at Jozef.Lamfers@state.sd.us or at 605-773-6004. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,
Jenna Carlson Dietmeier
Interim State Historic Preservation Officer

A handwritten signature in black ink that reads "Jozef Lamfers". The signature is fluid and cursive, with a long horizontal line extending from the end.

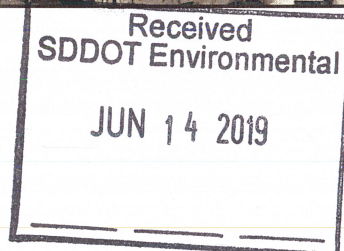
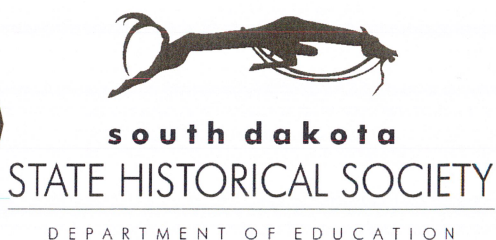
Jozef Lamfers
Review & Compliance Archaeologist

CC:

Cassie Vogt - Archaeological Research Center

Lynn Griffin - Archaeological Research Center





June 12, 2019

Ms. Joanne Hight
Department of Transportation
Environmental Office
700 E. Broadway Avenue
Pierre, SD 57501-2586

SECTION 106 PROJECT CONSULTATION

Project: 190424003F – IM 2292(84)3 & IM 2292(101)4, PCN 000S & 05HN – I-229 Exit 3 & Exit 4 Interchange Modification & Improvements
Minnehaha County
(FHWA/DOT)

Dear Ms. Hight,

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 April 24, 2019, we received your letter and the report entitled “An Intensive Cultural Resources Survey for SEH, Inc. of Interstate I-229 Exits 3 and 4 IMJR and NEPA, Minnehaha County, South Dakota” by Cassie Vogt (CIS No. 3345). The report indicated that 11 structures, 2 bridges, and a new segment of Eligible site 39MH2000 were recorded during the survey. In email exchanges during May and June of 2019, you clarified the project’s APE, stating that, at this time, no project activities will be occurring outside of the area surveyed for Ms. Vogt’s report and you clarified the effects to the newly-recorded segment of 39MH2000. Based upon the information provided, SHPO concurs with your determination that structures MH00002403 through MH00002413 and bridges MH00002401 and MH00002402 should be considered Not Eligible for listing in the National Register of Historic Places. Site 39MH2000 is Eligible for listing in the National Register of Historic Places. However, the effect of the off-ramp to 39MH2000, as indicated in your June 12, 2019 email, will not affect the site’s overall eligibility.

Therefore, we recommend a finding of “No Adverse Effect” for the proposed undertaking on the Area of Potential Effect (APE) labeled as ‘survey area’ in Ms. Vogt’s report. Once a preferred alternative for each interchange’s modification and improvements is selected, if activities are planned for the area outside of the APE identified in Ms. Vogt’s report, such as the use of the

remaining railroad grade as an access road or the selection of Alternative 6 for the Cliff Avenue (Exit 4) interchange, additional documentation pertaining to the identification of historic properties, as described in 36 C.F.R. § 800.4, must be submitted to SHPO for consultation.

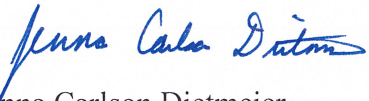
Concurrence of the SHPO does not relieve the federal agency official from consulting with other appropriate parties, as described in 36 C.F.R. § 800.2(c).

If historic properties are discovered or unanticipated effects on historic properties are found after the agency official has completed the process outlined by 54 U.S.C. 306108 (Section 106) of the National Historic Preservation Act, the agency official shall avoid, minimize, or mitigate the adverse effects to such properties and notify the SHPO and Indian tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery, pursuant to 36 C.F.R. § 800.13.

Should you require any additional information, please do not hesitate to contact Jenna Carlson Dietmeier at Jenna.CarlsonDietmeier@state.sd.us or (605)773-8370. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,

Jay D. Vogt
State Historic Preservation Officer



Jenna Carlson Dietmeier
Review and Compliance Archaeologist

CC: Jane Watts - Archaeological Research Center, Rapid City
David Williams – Archaeological Research Center, Rapid City

From: [Babcock, Chad](#)
To: [Marty Falk](#); [Al Murra](#); [Ross Harris](#)
Subject: FW: [EXTERNAL] SDDOT Proj #IM 2292(105)3; PCN 07CY, Minnehaha County_Borrow site
Date: Wednesday, June 19, 2024 11:11:28 AM
Attachments: [image001.png](#)
[SDDOT IM 2292\(105\)3, PCN 07CY.pdf](#)

This is the USFWS Coordination and response for the Louise Interchange Borrow site. Chad

From: Babcock, Chad
Sent: Thursday, December 14, 2023 4:31 PM
To: Hight, Joanne <Joanne.Hight@state.sd.us>
Subject: FW: [EXT] [EXTERNAL] SDDOT Proj #IM 2292(105)3; PCN 07CY, Minnehaha County_Borrow site

USFWS NE Response. It is in the folder also

From: Turner, Dylan R <dylan_turner@fws.gov>
Sent: Thursday, December 14, 2023 2:07 PM
To: Babcock, Chad <Chad.Babcock@state.sd.us>
Subject: Re: [EXT] [EXTERNAL] SDDOT Proj #IM 2292(105)3; PCN 07CY, Minnehaha County_Borrow site

Hi Chad,

I have attached our response to this project.

Thank you,
Dylan

From: Babcock, Chad <Chad.Babcock@state.sd.us>
Sent: Wednesday, November 15, 2023 8:30 AM
To: Turner, Dylan R <dylan_turner@fws.gov>
Cc: Bass, Amity A <amity_bass@fws.gov>
Subject: [EXTERNAL] SDDOT Proj #IM 2292(105)3; PCN 07CY, Minnehaha County_Borrow site

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Dylan,

Attached is a project letter requesting review of our “No Effect” determination associated with the borrow site. The borrow site is located inside the I229 Louise Ave Interchange and is intended to be used for project # IM2292(105)3; PCN 07CY. The borrow site may also be used for the I229 Exit 3 & 4 interchange projects. The PCN 07CY crossover project was included with the I229 Exit 4 coordination completed with your office on November 10, 2023. I new IPac coordination was completed for the borrow site and reflected in the project code in the attached letter.

Please note that a separate email was generated from Atlas. I am following up with that email to include a coordination letter specific to the borrow site as the coordination from Atlas autogenerated the scope and project description of 07CY. Please reach out if you have any questions.



Chad Babcock

Environmental Manager | South Dakota Department of Transportation

Better Lives Through Better Transportation

700 E. Broadway Ave, Pierre SD 57501

O: 605.773.3721 | C: 605.280.6035 | dot.sd.gov



Planning and Engineering
Environmental Office
700 E Broadway Avenue
Pierre, SD 57501-2586
O: 605.773.4336
dot.sd.gov

November 15, 2023

Amity Bass, Field Supervisor U.S. Fish & Wildlife Service
420 Garfield - Suite 400
Pierre, SD 57501-5408

RE: Project # IM 2292(105)3, PCN 07CY, Minnehaha County
I-229 – Louise Ave Interchange Sioux Falls
Borrow site

There is no requirement under the implementing regulations of the Endangered Species Act (50 CFR Part 402) for federal agencies to receive U.S. Fish and Wildlife Service concurrence with “no effect” determinations; therefore, responsibility for “no effect” determinations remains with each federal agency. Accordingly, we recommend the action agency retain the documentation for these listed resources in the decisional record for this federal action.

DYLAN TURNER

Digitally signed by DYLAN TURNER
Date: 2023.12.14 14:04:01 -06'00'

South Dakota Ecological Services

Date

Dear Ms. Bass:

This letter includes information on the above project for your review and comment. This project includes a borrow site located in the gore area of the I229 Louise Ave Interchange in Sioux Falls. The borrow site is planned to be used during construction of IM 2292(105)3 and the I229 Exit 3 and I229 Exit 4 interchanges.

Attached is a project map identifying the borrow site location.

This project may impact aquatic resources. The project area contains National Wetland Inventory Wetlands. The project will be reviewed for wetland impacts, and the project will comply with all federal and state environmental regulations.

According to the U.S. Fish & Wildlife Service (FWS) IPaC Information for Planning and Conservation system, the following species are known to occur in Lincoln and Minnehaha County: (Consultation code: 2024-0016408).

Species	Status	SDDOT Determination	Comments
Tricolored Bat	PE	No Effect	Proposed Endangered
Rufa Red Knot	T	No Effect	No critical habitat identified. The project is in an urban area.
Monarch Butterfly	C	No Effect	Candidate Species
Western Prairie Fringed Orchid	T	No Effect	No project impacts are expected for this species.

The project will be reviewed for wetland impacts. The project will comply with all federal and state environmental regulations.

I am requesting FWS concurrence with the above determinations. Please provide your acknowledgment of this request at your earliest convenience.

Please submit your response so that the project’s environmental documentation can be completed, and the project can be let and constructed in a timely manner.

Sincerely,

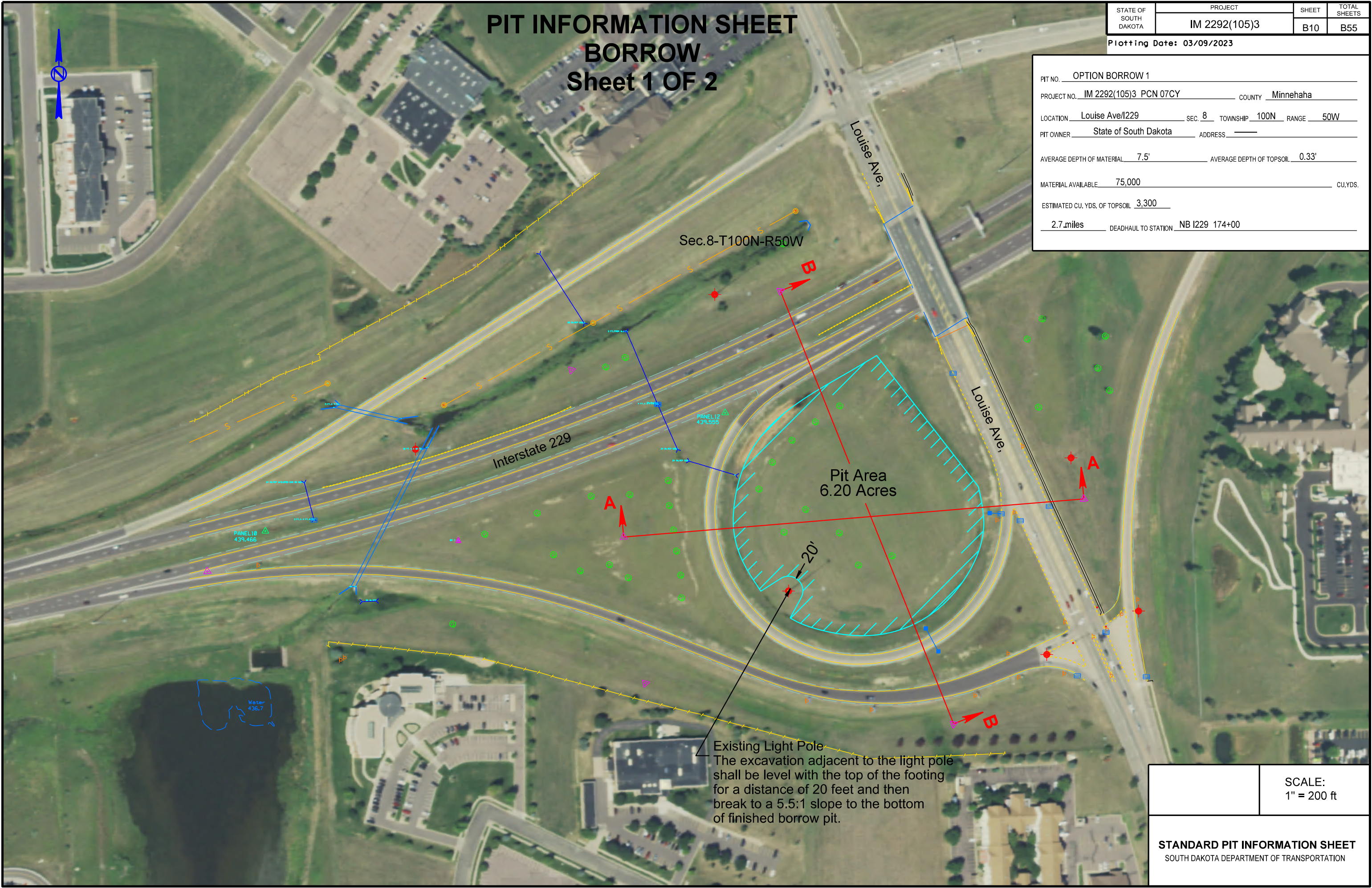


Chad Babcock
Environmental Manager
605.773.3721

Attachment

PLOT SCALE - 1"=200'

PLOTTED FROM - TRM11NT16



PIT INFORMATION SHEET BORROW Sheet 1 OF 2

STATE OF SOUTH DAKOTA	PROJECT IM 2292(105)3	SHEET B10	TOTAL SHEETS B55
-----------------------------	--------------------------	--------------	------------------------

Plotting Date: 03/09/2023

PIT NO.	OPTION BORROW 1		
PROJECT NO.	IM 2292(105)3 PCN 07CY	COUNTY	Minnehaha
LOCATION	Louise Ave/I229	SEC.	8 TOWNSHIP 100N RANGE 50W
PIT OWNER	State of South Dakota ADDRESS		
AVERAGE DEPTH OF MATERIAL	7.5'	AVERAGE DEPTH OF TOPSOIL	0.33'
MATERIAL AVAILABLE	75,000	CU.YDS.	
ESTIMATED CU. YDS. OF TOPSOIL	3,300		
2.7_miles	DEADHAUL TO STATION	NB I229 174+00	

SCALE:
1" = 200 ft

STANDARD PIT INFORMATION SHEET
SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION

PLOT NAME - 1

FILE - ... \MINN07CY\PIT_LOUISE_07CY.DGN



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

April 19, 2024

Christopher Swanson, Field Supervisor
U.S. Fish & Wildlife Service
420 Garfield Ave
Suite 400
Pierre, SD 57501-5408

There is no requirement under the implementing regulations of the Endangered Species Act (50 CFR Part 402) for federal agencies to receive U.S. Fish and Wildlife Service concurrence with “no effect” determinations; therefore, responsibility for “no effect” determinations remains with each federal agency. Accordingly, we recommend the action agency retain the documentation for these listed resources in the decisional record for this federal action.

DYLAN TURNER

Digitally signed by DYLAN TURNER
Date: 2024.05.16 09:44:29 -05'00'

South Dakota Ecological Services

Date

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Christopher Swanson:

Attached is information on the above project for your review and comment. This project may impact aquatic resources.

According to the U.S. Fish & Wildlife Service (FWS) IPaC Information for Planning and Conservation system, the following species are known to occur in Minnehaha County: (Consultation code: 2024-0011647).

Species	Status	SDDOT Determination	Comment
Rufa Red Knot	T	No Effect	No critical habitat identified
Northern Long-eared Bat	E	No Effect	No suitable habitat identified during survey
Western Prairie Fringed Orchid	T	No Effect	No critical habitat identified
Monarch Butterfly	C	No Effect	Candidate species
Tricolored Bat	PE	No Effect	Proposed endangered

The project will be reviewed for wetland impacts. The project will comply with all federal and state environmental regulations. Please submit your response so that the project's environmental documentation can be completed, and the project can be let and constructed in a timely manner.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chad Babcock".

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

CC: Dylan Turner, USFWS

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

April 19, 2024

Christopher Swanson, Field Supervisor
U.S. Fish & Wildlife Service
420 Garfield Ave
Suite 400
Pierre, SD 57501-5408

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
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Species	Status	SDDOT Determination	Comment
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Northern Long-eared Bat	E	No Effect	No suitable habitat identified during survey
Western Prairie Fringed Orchid	T	No Effect	No critical habitat identified
Monarch Butterfly	C	No Effect	Candidate species
Tricolored Bat	PE	No Effect	Proposed endangered

The project will be reviewed for wetland impacts. The project will comply with all federal and state environmental regulations. Please submit your response so that the project's environmental documentation can be completed, and the project can be let and constructed in a timely manner.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chad Babcock', is positioned above the typed name.

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

CC: Dylan Turner, USFWS

Attachments

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Scope updates.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (01/08/2021 - SLD)

The following scope updates resulted from the Scoping Meeting on PCN 000S held on 12/30/2020:

The work needed for traffic control on the Minnesota Ave interchange project, PCN 000S, will now be added this project. This work was originally to be completed with PCN 07CX; 07CX will be cancelled and all advance work to accommodate managing traffic for 000S will be completed with 05HN. The work may include installing temporary ramp crossovers, possible widening needed at the existing mainline median crossovers to maintain 2 lanes of traffic during construction, and constructing a temporary road which may include installing the temporary structure, hauling berm material, etc.

This project will now have a 2-year construction which will be in fiscal years 2025 and 2026. This will allow more time for completing the interchange work at Cliff Ave, removing the temporary structure needed for traffic control on the Cliff Ave interchange project, and completing the temporary traffic control work needed for the Minnesota Ave interchange project.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Detector loops.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (05/26/2021 - SLD)

Install preformed detector loops for traffic counters on I229 NB between the EB on-ramp and the end project limits and on I229 SB from between the WB off-ramp and the end project limits. The designer will contact the Office of Transportation Inventory Management to identify the locations of the preformed detector loops. The detector loops will be added to Section L in the plans.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Auxiliary Lanes Between Exit 3 and Exit 4.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (04/28/2022 - SLD)

Auxiliary lanes should be installed on I229 between Exit 3 and Exit 4, due to the end of the tapers for the off-ramps and on-ramps being only 28' apart on southbound I229 and overlapping on northbound I229. A layout showing the tapers for the off-ramps and on-ramps can be found in the Appendix tab.

Approved Scope

For project(s): 05HN

Approved Date: 02/21/2023

Executive Summary:

Three scope amendments have been completed for this project. Details included in the scope amendments can be found on the Amendment tab.

The 1st scope amendment provides information regarding traffic control and construction years. The 2nd scope amendment added detector loops for traffic counters. The 3rd Scope Amendment added auxiliary lanes between Exit 3 and Exit 4 on I229.

The purpose of this 4R project is to replace the I229 interchange at Exit 4 (Cliff Avenue - structures 50-210-230 and 50-211-230) to improve mobility and safety within the interchange and along the Cliff Ave corridor for all users. The 2010 Decennial Interstate Corridor Study and the I229 Major Investment Study identified the need to improve the Cliff Ave interchange, due to substandard ramp shoulder widths, control of access lengths to the ramp terminals, pavement conditions on Cliff Ave, structure design life, existing and future traffic demands, lack of multi-modal facilities along Cliff Ave, and safety of the traveling public within the interchange. This project will include grading, PCC surfacing, structures, curb & gutter, sidewalk, storm sewer, traffic signals, lighting, and pavement markings. The project is expected to be a 12 (See Amendment 1) year construction project.

An Interchange Modification Justification Report (IMJR) will be completed by SEH Engineering Inc (SEH) that aided in the identification of a recommended interchange location, design, and typical section. The recommended interchange alternative is a single point interchange configuration with Cliff Ave underneath the I229 structures. Information in the Study and Environmental Scan Reports can be found in the following links: <file:///U:/pd/Studies/I229-Exits3-4/IMJRs/Exit4/Final%20IMJR%20I-229%20Exit%20Appendix%2010282020.pdf>, <file:///U:/pd/Studies/I229-Exits3-4/Environmental%20ESR/Exit4/1stDraft/Exit%20ESR%2006292020%20Draft.pdf>. A layout of the recommended alternative for the Exit 4 (Cliff Ave) interchange can be found in the Appendix tab. The layout should not be considered the ultimate design, but gives a general overview for overall layout, lane configurations, and proposed turn lane locations.

Structure 50-210-230 is on I229S over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985. Structure 50-211-230 is on I229N over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985.

Additional Proposed Improvements:

I229 N&S Mainline Subgrade Width between the Median Crossovers West and East of Exit 4 - The typical section will be 3 - 12' lanes with 10' inside and outside shoulders.

41st Street - Realign 41st Street to obtain a 340' control of access spacing from the new Cliff Ave single point interchange and install a new traffic signal.

Cliff Ave from Park Road to the Lincoln High School Entrance north of Pam Road - Reconstruct Cliff Ave within the impacted interchange area shown in the layout in the Appendix tab. The lane widths on Cliff Ave will be 12' wide based on the City of Sioux Falls design standards and the IMJR's traffic analysis. A 6' sidewalk will be installed on the west side of Cliff Ave and a 10' shared-use path will be installed on the east side of Cliff Ave.

The City of Sioux Falls has the option to install 2 pedestrian underpasses for the shared-use path at their expense, but has decided not to move forward with that option at the time this project was scoped.

The Sioux Falls School District would like to have the ROW that is on their side of the current ROW fence in the NE quadrant and prefer to have the first opportunity at all ROW no longer needed in the NE quadrant after the

project.

The IMJR also recommended installing a traffic signal at the intersection of Cliff Ave & 38th Street to provide an acceptable LOS, and turn lane capacity improvements, storage lane extensions, and signal timing/coordination improvements along Cliff Ave outside the interchange area. These improvements will not be included in this project and will be responsibility of the City of Sioux Falls with a future project, as necessary.

ROW will be needed at the new interchange. The old grading plans indicate an existing 150' wide ROW from the center of the median throughout the entire project limits. Final ROW impacts will be determined during design. Based on the layout in the Appendix tab, there are several relocations needed for the preferred alternative. There will be impacts to commercial and industrial business as well as residences. Additional time will be required for relocation entitlements, valuations, and negotiating right of way.

A mainline crossover project PCN 07CY is currently programmed in 2024 for the Exit 4 (Cliff Ave) interchange reconstruction project.

An aerial map is available for reference in the Appendix tab.

More detail of the work above can be found in the Proposed Project Information tab.

The Responsible Manager for this project is the Consultant Manager Pete Longman in the SDDOT Office of Road Design.

It is the responsibility of the Designer to ensure the project meets or exceeds the current minimum SDDOT design standards and policies. The Consultant Manager shall coordinate any improvements not included in the scope of work involving grading, ROW needs, inslope flattening, and/or pipe/drainage work with the Environmental Office and assigned Planning Engineer for any additional environmental clearances that may be required. The Consultant Manager shall verify with the Pavement Engineer that the surfacing recommendation provided in the Approved Scope is the most current recommendation before proceeding with the project design.

Improvement Types Quick Reference

Type	Included
Grading	Yes
Hydraulic	Yes
Maintenance	No
Rest Area/Building Sites	No
Research	No
Resurfacing/Surfacing	Yes
Right of Way	Yes
Railroad	No
Roadside Development	Yes
Safety	Yes
Structure	Yes
Traffic	Yes
ADA	No



United States Department of the Interior

FISH AND WILDLIFE SERVICE
South Dakota Ecological Services Field Office
420 South Garfield Avenue, Suite 400
Pierre, SD 57501-5408
Phone: (605) 224-8693 Fax: (605) 224-1416



In Reply Refer To:

04/05/2024 19:55:55 UTC

Project Code: 2024-0011647

Project Name: IM-B-CR 2292(101)3; PCN 05HN

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see [Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service \(fws.gov\)](#).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

South Dakota Ecological Services Field Office

420 South Garfield Avenue, Suite 400

Pierre, SD 57501-5408

(605) 224-8693

ENDANGERED SPECIES ACT SPECIES

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none">This species only needs to be considered if the project includes wind turbine operations. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none">This species only needs to be considered if the project includes wind turbine operations. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

BIRDS

NAME	STATUS
Rufa Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

FLOWERING PLANTS

NAME	STATUS
Western Prairie Fringed Orchid <i>Platanthera praeclara</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1669	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: South Dakota Department of Transportation
Name: Chad Babcock
Address: Becker-Hansen Building
Address Line 2: 700
City: Pierre
State: SD
Zip: 57501
Email: chad.babcock@state.sd.us
Phone: 6057733721

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration
Name: Tom Lehmkuhl
Email: tom.lehmkuhl@dot.gov
Phone: 6057761012



United States Department of the Interior

FISH AND WILDLIFE SERVICE
South Dakota Ecological Services Field Office
420 South Garfield Avenue, Suite 400
Pierre, SD 57501-5408
Phone: (605) 224-8693 Fax: (605) 224-1416



In Reply Refer To:

04/19/2024 15:44:46 UTC

Project code: 2024-0011647

Project Name: IM-B-CR 2292(101)3; PCN 05HN

Subject: Consistency letter for the 'IM-B-CR 2292(101)3; PCN 05HN' project under the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (NLEB).

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated April 19, 2024 to verify that the **IM-B-CR 2292(101)3; PCN 05HN** (Proposed Action) may rely on the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action will have no effect on the endangered Indiana bat (*Myotis sodalis*) or the endangered northern long-eared bat (*Myotis septentrionalis*). If the Proposed Action is not modified, **no consultation is required for these two species**. If the Proposed Action is modified, or new information reveals that it may affect the Indiana bat and/or northern long-eared bat in a manner or to an extent not considered in the PBO, further review to conclude the requirements of ESA section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities:

If your initial bridge/culvert or structure assessment failed to detect Indiana bats and/or NLEBs use or occupancy, yet later detected prior to, or during construction, please submit the Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form (User Guide Appendix E) to this Service Office within 2 working days of the incident. In these instances, potential incidental take of Indiana bats and/or NLEBs may be exempted provided that the take is reported to the Service.

If the Proposed Action may affect any other federally-listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency accordingly.

The following species may occur in your project area and **are not** covered by this determination:

- Monarch Butterfly *Danaus plexippus* Candidate
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Tricolored Bat *Perimyotis subflavus* Proposed Endangered
- Western Prairie Fringed Orchid *Platanthera praeclara* Threatened

PROJECT DESCRIPTION

The following project name and description was collected in IPaC as part of the endangered species review process.

NAME

IM-B-CR 2292(101)3; PCN 05HN

DESCRIPTION

I229 Exit 4 Interchange and associated City of Sioux Falls projects CIP #11100, Sioux Falls #7 (2023 Bike Plan)

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@43.517648699999995,-96.70685370788576,14z>



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the endangered Indiana bat and/or the endangered northern long-eared bat.

Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for these two species.

QUALIFICATION INTERVIEW

1. Is the project within the range of the Indiana bat^[1]?

[1] See [Indiana bat species profile](#)

Automatically answered

No

2. Is the project within the range of the northern long-eared bat^[1]?

[1] See [northern long-eared bat species profile](#)

Automatically answered

Yes

3. Which Federal Agency is the lead for the action?

A) Federal Highway Administration (FHWA)

4. Are *all* project activities limited to non-construction^[1] activities only? (examples of non-construction activities include: bridge/abandoned structure assessments, surveys, planning and technical studies, property inspections, and property sales)

[1] Construction refers to activities involving ground disturbance, percussive noise, and/or lighting.

No

5. Does the project include *any* activities that are **greater than** 300 feet from existing road/rail surfaces^[1]?

[1] Road surface is defined as the actively used [e.g. motorized vehicles] driving surface and shoulders [may be pavement, gravel, etc.] and rail surface is defined as the edge of the actively used rail ballast.

No

6. Does the project include *any* activities **within** 0.5 miles of a known Indiana bat and/or NLEB hibernaculum^[1]?

[1] For the purpose of this consultation, a hibernaculum is a site, most often a cave or mine, where bats hibernate during the winter (see suitable habitat), but could also include bridges and structures if bats are found to be hibernating there during the winter.

No

7. Is the project located **within** a karst area?

No

8. Is there *any* suitable^[1] summer habitat for Indiana Bat or NLEB **within** the project action area^[2]? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

[2] The action area is defined as all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action (50 CFR Section 402.02). Further clarification is provided by the [User's Guide for the Range-wide Programmatic Consultation for Indiana Bat and Northern Long-eared Bat](#).

Yes

9. Will the project remove *any* suitable summer habitat^[1] and/or remove/trim any existing trees **within** suitable summer habitat?

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

No

10. Have presence/probable absence (P/A) summer surveys^{[1][2]} been conducted^{[3][4]} **within** the suitable habitat located within your project action area?

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

[2] Presence/probable absence summer surveys conducted within the fall swarming/spring emergence home range of a documented Indiana bat hibernaculum (contact local Service Field Office for appropriate distance from hibernacula) that result in a negative finding requires additional consultation with the local Service Field Office to determine if clearing of forested habitat is appropriate and/or if seasonal clearing restrictions are needed to avoid and minimize potential adverse effects on fall swarming and spring emerging Indiana bats.

[3] For projects within the range of either the Indiana bat or NLEB in which suitable habitat is present, and no bat surveys have been conducted, the transportation agency will assume presence of the appropriate species. This assumption of presence should be based upon the presence of suitable habitat and the capability of bats to occupy it because of their mobility.

[4] Negative presence/probable absence survey results obtained using the [summer survey guidance](#) are valid for a minimum of two years from the completion of the survey unless new information (e.g., other nearby surveys) suggest otherwise.

Yes

SUBMITTED DOCUMENTS

- Minn05HN NLEB Habitat Survey.pdf <https://ipac.ecosphere.fws.gov/project/6FZYVOL7DRGINCJ6FSCE6GHYHQ/projectDocuments/142035659>
- Minn05HN_ NLEB Habitat Survey Trees.pdf <https://ipac.ecosphere.fws.gov/project/6FZYVOL7DRGINCJ6FSCE6GHYHQ/projectDocuments/142035612>

11. Did the presence/probable absence (P/A) summer surveys detect Indiana bats and/or NLEB^[1]?

[1] P/A summer surveys conducted within the fall swarming/spring emergence home range of a documented Indiana bat hibernaculum (contact local Service Field Office for appropriate home range) that result in a negative finding requires additional consultation with the local Service Field Office to determine if clearing of forested habitat is appropriate and/or if seasonal clearing restrictions are needed to avoid and minimize potential adverse effects on fall swarming and spring emerging Indiana bats.

No

12. Were the P/A summer surveys conducted **within** the fall swarming/spring emergence range of a documented Indiana bat hibernaculum^[1]?

[1] Contact the local Service Field Office for appropriate distance from hibernacula.

No

13. Does the project include activities **within documented NLEB habitat**^{[1][2]}?

[1] Documented roosting or foraging habitat – for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

[2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

14. Does the project include wetland or stream protection activities associated with compensatory wetland mitigation?

No

15. Does the project include slash pile burning?

No

16. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)?

Yes

17. Is there *any* suitable habitat^[1] for Indiana bat or NLEB **within** 1,000 feet of the bridge? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

[1] See the Service's current [summer survey guidance](#) for our current definitions of suitable habitat.

Yes

18. Has a bridge assessment^[1] been conducted **within** the last 24 months^[2] to determine if the bridge is being used by bats?

[1] See [User Guide Appendix D](#) for bridge/structure assessment guidance

[2] Assessments must be completed no more than 2 years prior to conducting any work below the deck surface on all bridges that meet the physical characteristics described in the Programmatic Consultation, regardless of whether assessments have been conducted in the past. Due to the transitory nature of bat use, a negative result in one year does not guarantee that bats will not use that bridge/structure in subsequent years.

Yes

SUBMITTED DOCUMENTS

- Minn05HN NLEB Habitat Survey.pdf <https://ipac.ecosphere.fws.gov/project/6FZYVOL7DRGINCJ6FSCE6GHYHQ/projectDocuments/142035659>

19. Did the bridge assessment detect *any* signs of Indiana bats and/or NLEBs roosting in/under the bridge (bats, guano, etc.)^[1]?

[1] If bridge assessment detects signs of *any* species of bats, coordination with the local FWS office is needed to identify potential threatened or endangered bat species. Additional studies may be undertaken to try to identify which bat species may be utilizing the bridge prior to allowing *any* work to proceed.

Note: There is a small chance bridge assessments for bat occupancy do not detect bats. Should a small number of bats be observed roosting on a bridge just prior to or during construction, such that take is likely to occur or does occur in the form of harassment, injury or death, the PBO requires the action agency to report the take. Report all unanticipated take within 2 working days of the incident to the USFWS. Construction activities may continue without delay provided the take is reported to the USFWS and is limited to 5 bats per project.

No

20. Will the bridge removal, replacement, and/or maintenance activities include installing new or replacing existing **permanent** lighting?

Yes

21. Does the project include the removal, replacement, and/or maintenance of *any* structure other than a bridge? (e.g., rest areas, offices, sheds, outbuildings, barns, parking garages, etc.)

No

22. Will the project involve the use of **temporary** lighting *during* the active season?

No

23. Will the project install *any* new or replace any existing **permanent** lighting in addition to the lighting already indicated for habitat removal (including the removal or trimming of trees) or bridge/structure removal, replacement or maintenance activities?

No

24. Does the project include percussives or other activities (**not including tree removal/trimming or bridge/structure work**) that will increase noise levels above existing traffic/background levels?

No

25. Are *all* project activities that are **not associated with** habitat removal, tree removal/trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives, limited to actions that DO NOT cause any additional stressors to the bat species?

Examples: lining roadways, unlighted signage , rail road crossing signals, signal lighting, and minor road repair such as asphalt fill of potholes, etc.

Yes

26. Will the project raise the road profile **above the tree canopy**?

No

27. Are the project activities that are not associated with habitat removal, tree removal/trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives consistent with a No Effect determination in this key?

Automatically answered

Yes, other project activities are limited to actions that DO NOT cause any additional stressors to the bat species as described in the BA/BO

28. Is the bridge removal, replacement, or maintenance activities portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the bridge has been assessed using the criteria documented in the BA and no signs of bats were detected

PROJECT QUESTIONNAIRE

1. Please enter the date of the bridge assessment:

04/10/2024

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING NLEB OR INDIANA BAT

This key was last updated in IPaC on October 30, 2023. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) for the endangered **Indiana bat** (*Myotis sodalis*) and the endangered **northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should only be used to verify project applicability with the Service's [amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion \(dated March 23, 2023\) for Transportation Projects](#). The programmatic biological opinion covers limited transportation activities that may affect either bat species, and addresses situations that are both likely and not likely to adversely affect either bat species. This decision key will assist in identifying the effect of a specific project/activity and applicability of the programmatic consultation. The programmatic biological opinion is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic biological opinion, or that may affect ESA-listed species other than the Indiana bat or NLEB, or any designated critical habitat, may require additional ESA Section 7 consultation.

IPAC USER CONTACT INFORMATION

Agency: South Dakota Department of Transportation
Name: Chad Babcock
Address: Becker-Hansen Building
Address Line 2: 700
City: Pierre
State: SD
Zip: 57501
Email: chad.babcock@state.sd.us
Phone: 6057733721

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration
Name: Tom Lehmkuhl
Email: tom.lehmkuhl@dot.gov
Phone: 6057761012



Planning and Engineering
Environmental Office
700 E Broadway Avenue
Pierre, SD 57501-2586
O: 605.773.4336
dot.sd.gov

November 9, 2023

The U.S. Fish and Wildlife Service concurs with your conclusion that this project as described will not adversely affect federally listed or proposed species and/or designated critical habitat(s). If the project changes or new information becomes available, please contact this office again so potential impacts to federally listed species and other trust resources may be reevaluated.

AMITY BASS

Digitally signed by AMITY BASS
Date: 2023.11.09 10:51:07 -06'00'

Field Supervisor, South Dakota Ecological Services Date

Amity Bass, Field Supervisor U.S. Fish & Wildlife Service
420 Garfield - Suite 400
Pierre, SD 57501-5408

**RE: Project # IM 2292(101), PCN 05HN; IM 2292(105)3, PCN 07CY, Minnehaha County
 & Sioux Falls CIP #11100, Sioux Falls & 7 (2023 Bike Plan)**
 I-229 – Exit 4 (Cliff Ave) Sioux Falls
 Interchange modification, crossovers, associated City improvements to Cliff Ave and bike trail

Dear Ms. Bass:

This letter includes information on the above project for your review and comment. Previous coordination with USFWS regarding this project occurred on November 30, 2018, and February 2, 2022.

Attached is information on the above project, including:

- February 1, 2022 USFWS Consultation including:
 - NLEB Habitat survey
 - Project description
 - Project location map

This project may impact aquatic resources. The project area contains National Wetland Inventory Wetlands. The project will be reviewed for wetland impacts, and the project will comply with all federal and state environmental regulations.

According to the U.S. Fish & Wildlife Service (FWS) IPaC Information for Planning and Conservation system, the following species are known to occur in Lincoln and Minnehaha County: (Consultation code: 2024-0011647).

Species	Status	SDDOT Determination	Comments
Northern Long-eared Bat	E	May Affect, Not Likely to Adversely Affect	USFWS concurred w/ a MANLAA on 2/1/2022. Project will include a seasonal restriction for tree removal and survey requirement prior to structure demolition.
Tricolored Bat	PE	No Effect	Proposed Endangered
Rufa Red Knot	T	No Effect	No critical habitat identified. The project is in an urban area.
Monarch Butterfly	C	No Effect	Candidate Species
Western Prairie Fringed Orchid	T	No Effect	No project impacts are expected for this species.

The project will be reviewed for wetland impacts. The project will comply with all federal and state environmental regulations.

This project includes the removal of two I229 bridges over Cliff Avenue in Sioux Falls. SDDOT will complete a bat survey, including all structures impacted by the project, and consultation with your office prior to the start of construction activities which would impact structures. Tree removal will occur from November 1st to March 31st.

I am requesting FWS concurrence with the above determinations. Please provide your acknowledgment of this request at your earliest convenience.

Please submit your response so that the project's environmental documentation can be completed, and the project can be let and constructed in a timely manner.

Sincerely,



Chad Babcock
Environmental Manager
605.773.3721

Attachments



Planning and Engineering
Environmental Office
700 E Broadway Avenue
Pierre, SD 57501-2586
O: 605.773.4336
dot.sd.gov

December 17, 2021

Dylan Turner
U.S. Fish & Wildlife Service
420 S. Garfield Ave - Suite 400
Pierre, SD 57501-5408

The U.S. Fish and Wildlife Service concurs with your conclusions that the described project will not adversely affect listed species. Contact this office if changes are made or new information becomes available.

Amity Bass

Digitally signed by Amity Bass
Date: 2022.02.01 16:14:06
-06'00'

Field Supervisor

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Modification

Dear Mr. Turner:

This letter includes information on the above project for your review and comment. Previous coordination with USFWS regarding this project occurred on November 30, 2018. Since this time design alternatives have been determined so that finalization of species impacts could be assessed.

Attached is information on the above project, including:

- Project background/description
- Project location map
- NLEB Habitat survey
- Concurrence Verification Letter for NLEB (first page)

This project may impact aquatic resources. The project area contains National Wetland Inventory Wetlands. The project will be reviewed for wetland impacts, and the project will comply with all federal and state environmental regulations.

According to the U.S. Fish & Wildlife Service (FWS) IPaC Information for Planning and Conservation system, the following species are known to occur in Lincoln and Minnehaha County: (Consultation code: 06E14000-2019-SLI-0269).

Consultation Code	Species	Status	SDDOT Determination	Comments
06E14000-2019-SLI-0269	Northern Long-eared Bat	Threatened	May Affect, Not Likely to Adversely Affect	The USFWS IPaC determination key was completed for this species on April 5, 2019 and reviewed on October 18, 2021. A determination of "may effect – not likely to adversely affect" was made for the project.



Planning and Engineering
Environmental Office
 700 E Broadway Avenue
 Pierre, SD 57501-2586
 O: 605.773.4336
 dot.sd.gov

06E14000-2019-SLI-0269	Red Knot	Threatened	No Effect	No project impacts are expected for the Red Knot. This species is migratory and is known to avoid inhabited, urbanized areas. Although no critical habitat has been defined for this species, no shallow water is available that would support feeding during migration, making the study area an unideal stopover site.
06E14000-2019-SLI-0269	Western Prairie Fringed Orchid	Threatened	No Effect	No project impacts are expected for this species. Impacts from the project would occur primarily on Mowed rights-of-way and developed urban area, which are not suitable habitats for this species.
06E14000-2019-SLI-0269	Monarch butterfly	Candidate	No Effect	There are no section 7 requirements for this species. However, this project, which will occur within mowed rights-of-way and developed urban area, is not anticipated to negatively impact habitat for this species.

I am requesting FWS concurrence with the above determinations. Please provide your acknowledgment of this request at your earliest convenience.

Please submit your response so that the project's environmental documentation can be completed, and the project can be let and constructed in a timely manner.

Sincerely,

Kit Bramblee

Kit Bramblee
 Environmental Scientist Manager
 605.773.3721
 CC: Amity Bass

Approved Scope / Project Description

USFWS Received 01/04/2022

The South Dakota Department of Transportation (SDDOT), in partnership with the City of Sioux Falls, the Sioux Falls Metropolitan Planning Organization (MPO) and Federal Highway Administration (FHWA) – the Study Partners – are proposing to improve the Interstate 229 (I-229) interchanges and their approach roadways at Exits 3 (Minnesota Avenue) and 4 (Cliff Avenue) in Sioux Falls, South Dakota.

Potential I-229 Corridor Study improvements were documented in a recently completed Major Investment Corridor Study (MIS) from the Solberg Avenue Bridge crossing to the East 60th Street Bridge crossing. Five interchange substudies resulted from the MIS, including Exit 3 (Substudy 2) and Exit 4 (Substudy 6). Substudy evaluations included existing and future year traffic capacity and operational analyses; preliminary concept development, analysis and recommendations of alternatives for further study; and documentation of next steps.

Next steps for advancing the interchange studies include preparation of Interchange Justification Modification Reports (IMJR), NEPA documentation, topographic surveys and subsurface utility engineering and exploration. With the preceding MIS groundwork completed, the Study Partners are moving forward with refining and continuing to narrow the range of reasonable alternatives, construct a defensible purpose and need for both projects through required NEPA documentation, and complete topographic surveys and utility locates for each project to determine existing rights-of-way, access control and potential utility conflicts.

Rather than completing long-term improvements in a piecemeal fashion along the I-229 corridor, the Study Partners determined that the best approach would be to develop a Vision project that could be accomplished in fundable segments over time. The Study Partners also recognized that the cost and detailing of the Vision project would be extensive and thus would need to be completed in stages and proceed through individual projects coordinated with supporting local roadway and other integrated multimodal projects. This approach also ensures the components “fit together” over time, especially as redevelopment projects and park and recreation uses adjacent to the I-229 Corridor evolve and change. The MPO’s current 2040 Long Range Transportation Plan (LRTP) provides for this range of interchange and mainline I-229 improvement costs spread over a 20-year period, with priority determined by needs, funding availability and community-wide acceptance.

Based on project partner consensus – as well as efficiencies to be gained through concurrent traffic/other data collection, analysis in the IMJR and NEPA documentation processes, survey and utility investigations and public involvement efforts – it was strategically determined that Exit 3 and Exit 4 would be advanced simultaneously and proceed together to future design and construction staging.

I-229 Exit 4 (Cliff Avenue)



The I-229 Exit 4 southbound entrance ramp intersection experiences congestion in the peak traffic hours. This is due in part to Lincoln High School traffic, but also as because this heavily traveled commuter corridor distributes traffic between northern neighborhoods, downtown and southern parts of the community. Cliff Avenue provides direct access to Spencer and Tuthill Parks, and, similar to Minnesota Avenue, is a major north-south arterial roadway that crosses Sioux Falls with direct access to I-229.

By the year 2035, congestion is anticipated to increase at the current interchange ramp terminals. Preliminary concepts for the Cliff Avenue interchange to address the existing and year 2035 transportation deficiencies were developed for MIS

Substudy 6. No additional improvements were deemed necessary beyond the interchange area, so no additional corridor options were analyzed in the MIS.

Preliminary concepts were developed and, through a screening process using established evaluation criteria, it was determined that the following three alternative scenarios should be carried forward for study in the IMJR:

- Cliff-1 – NB Cliff to SB I-229 Loop Ramp
- Cliff-6 – SPUI, 41st Street Realigned
- Cliff-7 – SPUI, SB I-229 Exit Ramp Thru and Rights at 41st Street

Legend

Parcel/Right of Way Boundary

Right of Way (RW) Impacts

Temporary RW Impact

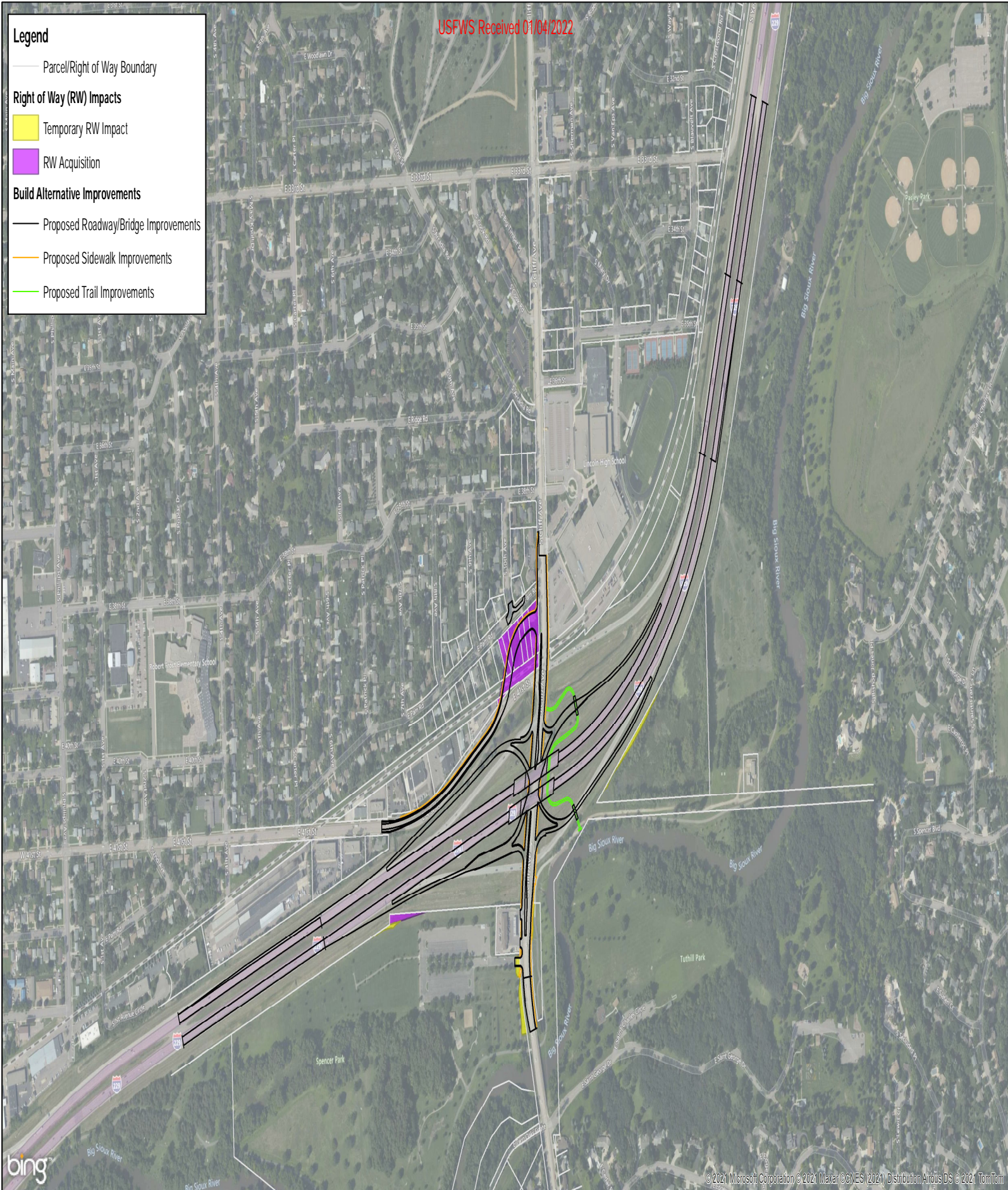
RW Acquisition

Build Alternative Improvements

Proposed Roadway/Bridge Improvements

Proposed Sidewalk Improvements

Proposed Trail Improvements





United States Department of the Interior



FISH AND WILDLIFE SERVICE
South Dakota Ecological Services Field Office
420 South Garfield Avenue, Suite 400
Pierre, SD 57501-5408
Phone: (605) 224-8693 Fax: (605) 224-9974
<http://www.fws.gov/southdakotafieldoffice/>

In Reply Refer To:

April 05, 2019

Consultation Code: 06E14000-2019-TA-0269

Event Code: 06E14000-2019-E-00727

Project Name: Interchange Study for I-229 Exits 3 (Minnesota Avenue) and 4 (Cliff Avenue)

Subject: Verification letter for the 'Interchange Study for I-229 Exits 3 (Minnesota Avenue) and 4 (Cliff Avenue)' project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions.

Dear Martin Falk:

The U.S. Fish and Wildlife Service (Service) received on April 05, 2019 your effects determination for the 'Interchange Study for I-229 Exits 3 (Minnesota Avenue) and 4 (Cliff Avenue)' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. This IPaC key assists users in determining whether a Federal action is consistent with the activities analyzed in the Service's January 5, 2016, Programmatic Biological Opinion (PBO). The PBO addresses activities excepted from "take"^[1] prohibitions applicable to the northern long-eared bat under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.



United States Department of the Interior



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Pierre, SD 57501-5408
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April 05, 2019

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Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.

This IPaC-assisted determination allows you to rely on the PBO for compliance with ESA Section 7(a)(2) only for the northern long-eared bat. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Red Knot, *Calidris canutus rufa* (Threatened)
- Western Prairie Fringed Orchid, *Platanthera praeclara* (Threatened)

If the Action may affect other federally listed species besides the northern long-eared bat, a proposed species, and/or designated critical habitat, additional consultation between you and this Service office is required. If the Action may disturb bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act is recommended.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

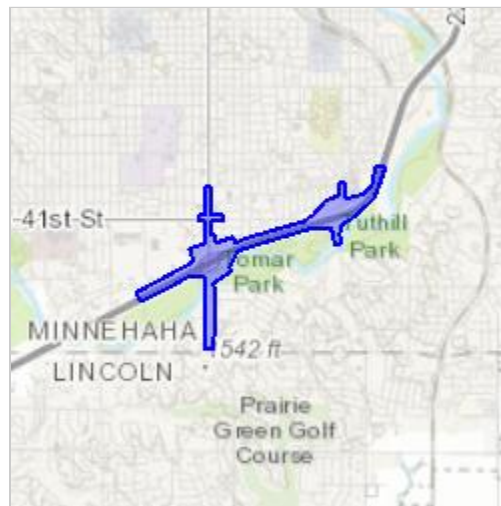
Interchange Study for I-229 Exits 3 (Minnesota Avenue) and 4 (Cliff Avenue)

2. Description

The following description was provided for the project 'Interchange Study for I-229 Exits 3 (Minnesota Avenue) and 4 (Cliff Avenue)':

Located east of the system interchange of I-29/I-229, the project area is expected to have increased congestion as traffic growth continues. As a result, there are projected capacity deficiencies and safety issues that may warrant upgrades to the transportation system. The concept alternatives propose changes to the geometric design of an existing interchange and changes to the crossroad arterial street to satisfy current design standards and meet the transportation needs within the study area. Changes to interchange geometrics will involve replacement of the existing interchange bridges with new structures.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/43.51048429690273N96.73059789654378W>

**Determination Key Result**

This Federal Action may affect the northern long-eared bat in a manner consistent with the description of activities addressed by the Service's PBO dated January 5, 2016. Any taking that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR

§17.40(o). Therefore, the PBO satisfies your responsibilities for this Action under ESA Section 7(a)(2) relative to the northern long-eared bat.

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for Federal actions is to assist determinations as to whether proposed actions are consistent with those analyzed in the Service's PBO dated January 5, 2016.

Federal actions that may cause prohibited take of northern long-eared bats, affect ESA-listed species other than the northern long-eared bat, or affect any designated critical habitat, require ESA Section 7(a)(2) consultation in addition to the use of this key. Federal actions that may affect species proposed for listing or critical habitat proposed for designation may require a conference under ESA Section 7(a)(4).

Determination Key Result

This project may affect the threatened Northern long-eared bat; therefore, consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.) is required. However, based on the information you provided, this project may rely on the Service's January 5, 2016, *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions* to fulfill its Section 7(a)(2) consultation obligation.

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?
Yes
2. Have you determined that the proposed action will have "no effect" on the northern long-eared bat? (If you are unsure select "No")

No

3. Will your activity purposefully **Take** northern long-eared bats?

No

4. Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

5. Have you contacted the appropriate agency to determine if your project is near a known hibernaculum or maternity roost tree?

Location information for northern long-eared bat hibernacula is generally kept in state Natural Heritage Inventory databases – the availability of this data varies state-by-state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited. A web page with links to state Natural Heritage Inventory databases is available at www.fws.gov/midwest/endangered/mammals/nleb/nhisites.html.

Yes

6. Will the action affect a cave or mine where northern long-eared bats are known to hibernate (i.e., hibernaculum) or could it alter the entrance or the environment (physical or other alteration) of a hibernaculum?

No

7. Will the action involve Tree Removal?

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0

2. If known, estimated acres of forest conversion from April 1 to October 31

0

3. If known, estimated acres of forest conversion from June 1 to July 31

0

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?

0



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for All of Us®

MEMORANDUM

TO: Joanne Hight, SDDOT Environmental Engineer Manager

FROM: Rebecca Beduhn, SEH Senior Scientist

DATE: January 14, 2020

RE: Northern Long-Eared Bat Habitat Assessment: I-229 Exit 4
SEH No. SDDOT 147016

INTRODUCTION

The purpose of this memo is to summarize the results of a northern long-eared bat (*Myotis septentrionalis*) habitat survey along the proposed I-229 Exit 4 reconstruction project in Sioux Falls, South Dakota. SEH conducted a survey on July 25th, 2019 of structures and tree communities in the vicinity of the proposed project that may serve as habitat for roosting northern long-eared bat. The survey included several properties that may be demolished as part of the proposed project, and any trees within 100 feet of the proposed corridor.

The subject site is located in Sections 27, 28, 33, and 34 in Township 101 North, Range 49 West in Sioux Falls, Minnehaha County, South Dakota as shown on **Figure 1**. The project area consists of the roadway and adjacent road right-of-way, and community park property. Approximately 20% of the project area is roadway; the remaining right-of-way areas consist of approximately 30% upland open space of road-side slopes and ditches, 15% industrial lots, and 35% unmowed open space or park property with native prairie and mature tree populations present.

PURPOSE

As part of the Environmental Assessment (EA) completion, the project sponsor is required to assess the extent of potential impact to state-listed and federally listed species. Due to declines caused by white-nose syndrome and continued spread of the disease, the northern long-eared bat was listed as threatened under the Endangered Species Act on April 2, 2015. For projects that the SDDOT Environmental Office has determined have potential to affect northern long-eared bats due to removal of trees and/or work on structures (bridges, culverts, or buildings), a detailed habitat assessment is required to determine whether the Northern Long-Eared Bat may or may not be present in the project limits.

This report serves to assess the habitat suitability within the study area to determine the potential for the presence of the northern long-eared bat. The presence or absence of suitable habitat determines the potential for impacts that the proposed action may have to the bat or its habitat.

METHODOLOGY

SEH contacted the SDDOT (Joanne Hight) prior to the site visit to establish protocols and survey areas for the project needs. Based on the DOT's recommendations the following assessment methodology was utilized on the project study area.

SEH examined any structures that may be removed as part of the project for the following characteristics:

- Presence of guano or urine staining along structure walls or siding;

Engineers | Architects | Planners | Scientists

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- Presence of bat droppings along window sills, ledges, or other areas where bat guano may collect from roosting bats,
- Presence of dead bats
- Presence of “grease” stains or makings along potential points of entry on the outside of house or outbuildings.

The habitat assessment survey was performed by Rebecca Beduhn, SEH Senior Scientist.

RESULTS

11 structures were surveyed within the project limits as part of the proposed project. These structures included seven (7) residential homes along E Pam Road, two (2) businesses on E 41st Street, the existing I-229 bridge over S Cliff Avenue, and one building containing several business along S Cliff Avenue south of I-229. These structures were examined closely for evidence of bat use as described above. Photographs are included as part of **Appendix A**.

I-229 Bridge

- The existing I-229 Bridge over S Cliff Ave is likely to be removed and reconstructed as part of the proposed project. The structure was closely examined for signs of bats (as described above). No evidence of bat use was found.

1205 E Pam Rd

- Two (2) structures exist on the property, one home and one (1) garage. The house is currently occupied. No access was granted to the house or the garage. The outside of both structures were examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structures is likely.

1203-1201 E Pam Rd

- One (1) structure exists on the property, composed of 2 homes (duplex). Both homes are currently occupied. No access was granted to either home. The outside of the home was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

1115 E Pam Rd

- One (1) structure exists on the property, a residential home and attached garage. No access was granted to the house. The outside of the structure was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

1109-1111 E Pam Rd

- One (1) structure exists on the property, composed of 2 homes (duplex). Both homes are currently occupied. No access was granted to either home. The outside of the home was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

1105 E Pam Rd

- One (1) structure exists on the property, composed of 2 homes (duplex). Both homes are currently occupied. No access was granted to either home. The outside of the home was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

1101 E Pam Rd

- One (1) structure exists on the property, a residential home and attached garage. No access was granted to the house. The outside of the structure was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

1013 E Pam Rd

- One (1) structure exists on the property, a residential home and attached garage. No access was granted to the house. The outside of the structure was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

1022 E 41st St

- One (1) structure exists on the property, an ATM and its associated building. This lot contains a surface parking lot as well. The outside of the structure was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

1020 E 41st St

- One structure exists on the property, a business and a surface parking lot. The outside of the structure was examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

3405 S Cliff Ave

- One structure exists on the property, composed of several businesses and a surface parking lot. The entire property is enclosed by a brick retaining wall. The outside of the building and retaining wall were examined closely for evidence of bat habitat and use. No evidence of bat use was found. Human disturbance inside the structure is likely.

Tree Habitat

Tree areas were also investigated. These areas have been grouped into survey areas, as outlined in **Figure 2** for the purposes of this report. There are two (2) groups of trees that are described in greater detail below.

Tree Stand A –

- Number: 8 trees present
- Species: Quaking Aspen (*Populus tremuloides*), Burr Oak (*Quercus macrocarpa*), American Elm (*Ulmus Americana*), Red Maple (*Acer rubrum*)
- Height: 25-45 feet tall

Tree Stand B –

- Number: 10 trees present
- Species: Eastern Cottonwood (*Populus deltoides*), Green Ash (*Fraxinus pennsylvanica*), Red Maple
- Height: approx. 20-75 feet
- Several dead trees with possible bat habitat noted in this stand.

CONCLUSION

No evidence of bat use was found at the surveyed structures within the project area. Tree habitat (particularly Tree Stand B, the larger stand with some dead trees) may provide roosting habitat. As a precautionary measure, tree clearing for the project should be restricted in accordance with the requirements of the Programmatic Biological Opinion for Transportation Projects in the Range of the Indiana Bat and Northern Long-Eared Bat. Generally, this would involve no tree clearing between March 30 and October 31 to avoid pupping season for any bats. With the exception of Tree Stand B, the trees present in the area were all younger or smooth barked species and had no large cracks, cavities, or peeling bark. No evidence of bat use was found at these tree stands. It is our understanding that since the project is not anticipated to have impacts on state or federally listed species, that this Habitat Assessment Survey will fulfill the obligations of the Environmental Assessment to investigate for the northern long-eared bat and its associated habitat prior to commencing construction.

FIGURES

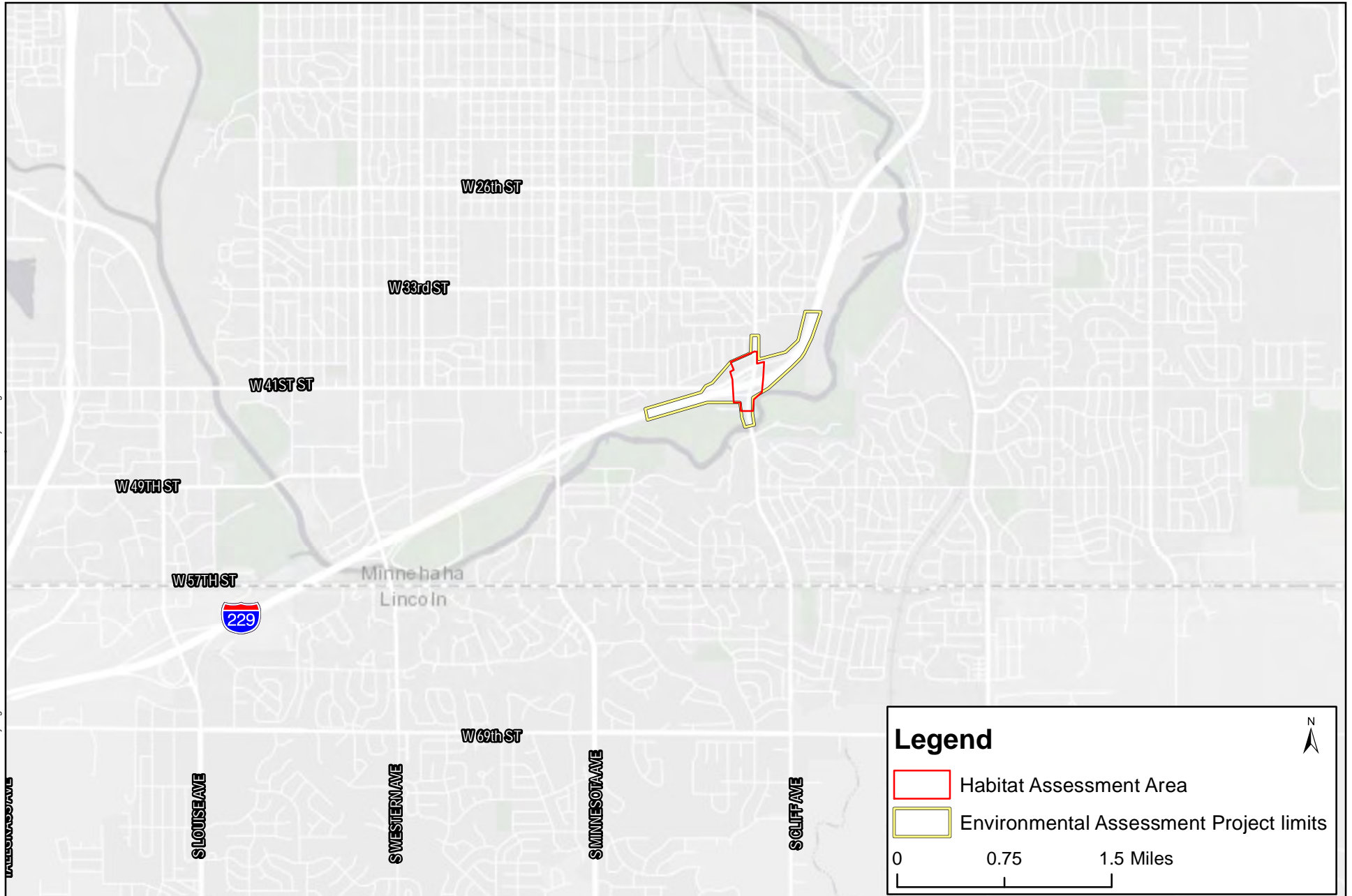
Figure 1 – Project Location

Figure 2 – Habitat Assessment Areas of Investigation

Appendix A – Assessment Forms

c: Ross Harris, SEH

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3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110
PHONE: (651) 490-2000
FAX: (651) 490-2150
WATTS: 800-325-2055
www.sehinc.com

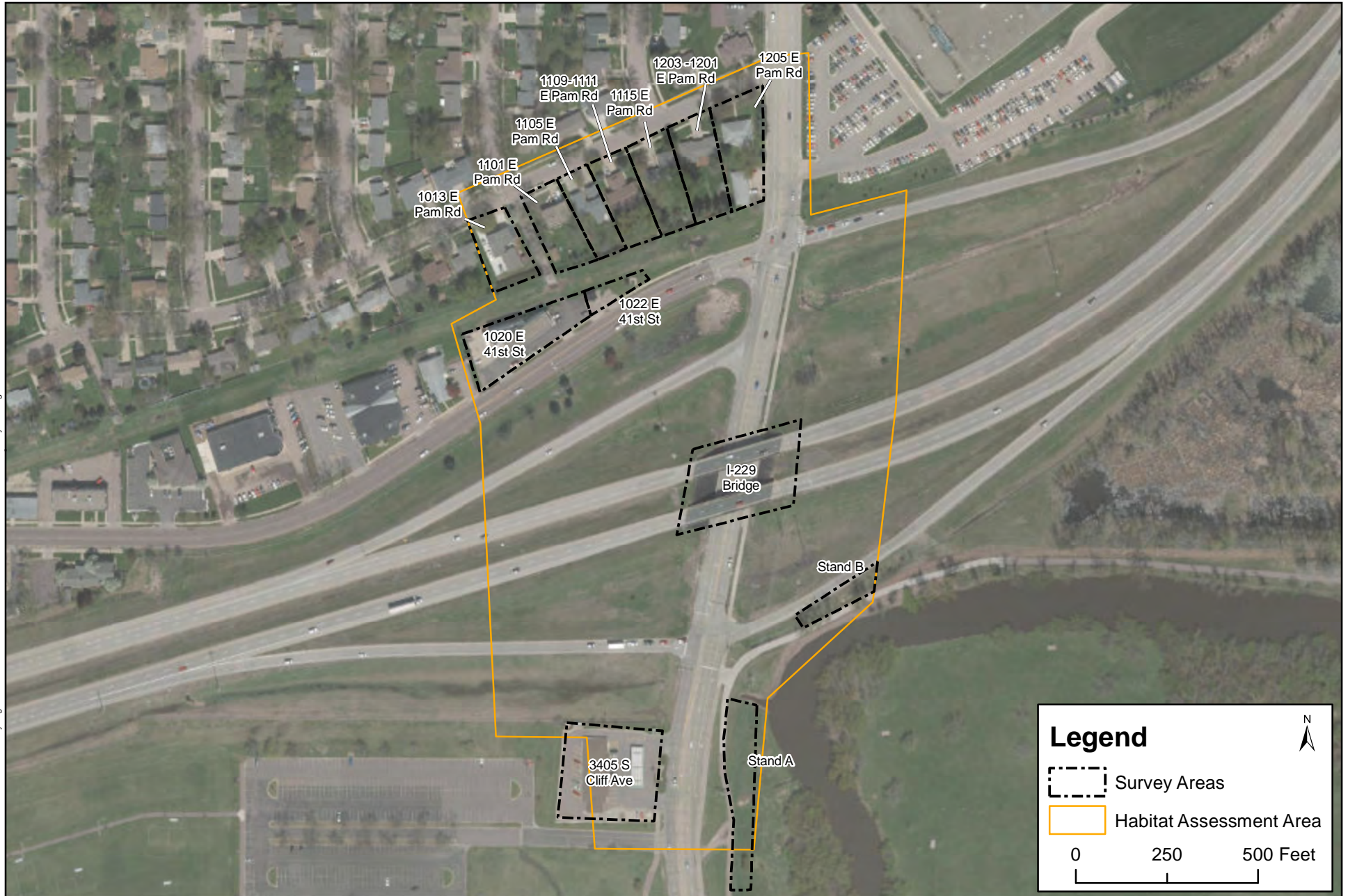
Project: SDDOT 147016
Print Date: 9/13/2019

Map by: rbeduhn
Projection: UTM NAD 83 Zone 14N
Source: SEH, ESRI, Google

Project Location

Northern Long-Eared Bat Habitat Assessment: I-229 Exit 4
Tea, Lincoln County, South Dakota

Figure
1



3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110
PHONE: (651) 490-2000
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Project: SDDOT 147016
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Source: SEH, ESRI, Google

Habitat Assessment Areas of Investigation

Northern Long-Eared Bat Habitat Assessment: I-229 Exit 4
Tea, Lincoln County, South Dakota

Figure
2



Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

South Dakota Department of Transportation
Office of Project Development-Environmental
Becker-Hansen Building
700 E. Broadway Ave.
Pierre, SD 57501-2586

Date: 07 / 25 / 19

Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1013 E Pam Rd

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.58	0.7	0.11
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Residential

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	1	1		
Dominant species of mature trees	Other Coniferous	Eastern Red Cedar	-	
% of trees with exfoliating bark	0	0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
		60	40	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

One large Red Maple (*Acer rubrum*) and one large Green Ash (*Fraxinus pennsylvanica*) exist on the property. The property has several small trees located throughout and a line of red cedar along the southern property limits.

The trees in the stand were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1013 E Pam Rd







Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

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Pierre, SD 57501-2586

Date: 07 / 25 / 19

Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1020 E 41st St

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.96	0	0
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	-	-	-	-
-	-	-	-	-

Post-project

The project will be seeded like the existing surrounding vegetation. There is no vegetation currently onsite.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Commercial

Commercial

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
		0		
Dominant species of mature trees	-	-	-	
% of trees with exfoliating bark		0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

The parcel is comprised of completely impervious surface, comprised by building and parking lot. No vegetation exists on site.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1020 E 41st St









Phase I Summer Habitat Assessments

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General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1022 E 41st St

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.19	0	0.10
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	-	-	-	-
-	-	-	-	-

Post-project

The project will be seeded like the existing surrounding vegetation. There is no vegetation currently onsite.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Commercial

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
		0		
Dominant species of mature trees	-	-	-	
% of trees with exfoliating bark		0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

The parcel is comprised of completely impervious surface, comprised by building and parking lot. No vegetation exists on site.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1022 E 41st St





Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

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General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1011 E Pam Rd

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.62	0	0.50
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Residential

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	2			
Dominant species of mature trees	<u>Other Coniferous</u>	<u>Eastern Red Cedar</u>	-	
% of trees with exfoliating bark	0	0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
		80	20	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

The property contains two Green Ash and one basswood (*Tilia americana*) in addition to a line of Red Cedar (*Juniperus virginiana*) along the southern property limits. The trees were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1101 E Pam Rd







Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

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<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1105 E Pam Rd

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.62	0.01	0.20
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Residential

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	1	1		
Dominant species of mature trees	Other Coniferous	Eastern Red Cedar	-	
% of trees with exfoliating bark	0	0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
		60	40	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

One large Red Maple exist on the property in addition to a line of red cedar along the southern property limits. The trees in the stand were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1105 E Pam Rd





Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

South Dakota Department of Transportation
Office of Project Development-Environmental
Becker-Hansen Building
700 E. Broadway Ave.
Pierre, SD 57501-2586

Date: 07 / 25 / 19

Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1109-1111 E Pam Rd

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.64	0.20	0.01
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Residential

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	2			
Dominant species of mature trees	Other Coniferous	-	-	
% of trees with exfoliating bark	0	0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
			100	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

Two (2) large Blue Spruce (*Picea pungens*) trees exist, and one large Red Maple exist on the property. The trees were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1111 E Pam Rd & 1109 E Pam Rd





Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

South Dakota Department of Transportation
Office of Project Development-Environmental
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Pierre, SD 57501-2586

Date: 07 / 25 / 19

Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1115 E Pam Rd

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.69	0.22	0.01
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Residential

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	2			
Dominant species of mature trees	<u>Other Coniferous</u>	-	-	
% of trees with exfoliating bark	0	0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
			100	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

Three (3) large Red Maples, and one large Elm (*Ulmus americana*) exist on the property. The trees were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1115 E Pam Rd





Phase I Summer Habitat Assessments

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Date: 07 / 25 / 19

Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1203 -1201 E Pam Rd

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.75	0.12	0.17
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Residential

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	1	1		
Dominant species of mature trees	<u>Other Coniferous</u>	<u>Other Coniferous</u>	-	
% of trees with exfoliating bark	0	0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
			100	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

One large Red Maple, and several medium Blue Spruce exist on the property. The trees were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1203 E Pam Rd & 1201 E Pam Rd





Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

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Office of Project Development-Environmental
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700 E. Broadway Ave.
Pierre, SD 57501-2586

Date: 07 / 25 / 19

Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 1205 E Pam Rd

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.83	0.01	0.5
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Residential

Residential

Residential

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	1			
Dominant species of mature trees	Green Ash	-	-	
% of trees with exfoliating bark	0	0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
			100	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

One large Green Ash, and one large White Pine (*Pinus strobus*) exist on the property. The trees were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

1205 E Pam Rd







Phase I Summer Habitat Assessments

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<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # 3405 S Cliff Ave

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	1.54	0	0
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)

Proposed tree removal
(acres) ☒ No Removal

Vegetation cover types

Pre-project	-	-	-	-
-	-	-	-	-

Post-project

The project will be seeded like the existing surrounding vegetation. There is no vegetation currently onsite.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Other Described in Comments

Other Described in Comments

Other Described in Comments

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
		0		
Dominant species of mature trees	-	-	-	
% of trees with exfoliating bark		0		
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

The parcel is comprised of completely impervious surface, comprised by building and parking lot. No vegetation exists on site. The site is surrounded by park (4f) land.

The structure on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

3405 S Cliff Ave















Phase I Summer Habitat Assessments

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Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # I-229 Bridge

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 4 (S Cliff Ave), and its associated approach roadway.

Buildings on this site may be removed as part of the construction of the new interchange.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.72	0	0
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)
Proposed tree removal (acres) <input checked="" type="checkbox"/> No Removal	0	0	0

Vegetation cover types

Pre-project	Mixed Grass	-	-	-	-
	-	-	-	-	-

Post-project

Vegetation will be similar post project. Disturbed areas will be re-vegetated post-construction.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Commercial

Commercial

Commercial

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
Dominant species of mature trees	-	-	-	
% of trees with exfoliating bark				
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
Total # of suitable snags				<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

The structure (bridge) on the property was closely examined for signs of NLEB. No evidence of bat habitat was located on the property.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

I-229 Bridge over Cliff Ave











Phase I Summer Habitat Assessments

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Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # Tree Stand A

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

No buildings exist in this survey area, but some trees may be removed as part of the proposed action.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.70	0.19	0.51
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)
Proposed tree removal (acres) <input checked="" type="checkbox"/> No Removal		0.19	

Vegetation cover types

Pre-project	Other Deciduous	-	-	-	-
		-	-	-	-

Post-project

The project will be seeded like the existing surrounding vegetation.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Other Described in Comments

Other Described in Comments

Other Described in Comments

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
		6		
Dominant species of mature trees	American Elm	Other Deciduous	-	
% of trees with exfoliating bark				
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
		90	10	
Total # of suitable snags	0			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? No

Additional comments:

The tree stand consisted of 8 trees, including Quaking Aspen (*Populus tremuloides*), Burr Oak (*Quercus macrocarpa*), American Elm, and Red Maple.

The trees in the stand were closely examined for signs of NLEB. There was no evidence of current bat use. No evidence of large cracks or peeling bark was observed, which makes it non-suitable for future bat use.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

Tree Stand A











Phase I Summer Habitat Assessments

Northern Long-Eared Bat Habitat Assessment Data Sheet

South Dakota Department of Transportation
Office of Project Development-Environmental
Becker-Hansen Building
700 E. Broadway Ave.
Pierre, SD 57501-2586

Date: 07 / 25 / 19

Surveyor: Rebecca Beduhn, SEH

Phone (605) 773-3721

<http://www.sddot.com/business/environmental/Default.aspx>

General Project Information

Project/PCN I-229 Exit 4/ PCN 05HN

County Minnehaha

Station #

Multiple Sample Sites? ☐ Yes, See Comments

MRM #

☒ No

Structure # Tree Stand B

Brief Project Description

The proposed project proposes to improve the Interstate 229 (I-229) interchange at Exit 3 (S Minnesota Ave), and its associated approach roadway.

No buildings exist in this survey area, but some trees may be removed as part of the proposed action. As a precautionary measure, tree clearing for the project should be restricted in accordance with the requirements of the Programmatic Biological Opinion for Transportation Projects in the Range of the Indiana Bat and Northern Long-Eared Bat.

Project Area

	Total acres	Forest acres	Open acres
Project (Acres of site being surveyed)	0.30	0.30	0
	Completely Cleared	Partially Cleared (Leave Some trees)	Preserve acres (no clearing)
Proposed tree removal (acres) <input checked="" type="checkbox"/> No Removal		0.30	

Vegetation cover types

Pre-project	Other Deciduous	Cottonwood	-	-	-
-	-	-	-	-	-

Post-project

The project will be seeded like the existing surrounding vegetation.

Landscape within 5-Mile Radius

Flight corridors to other forested areas? (If yes, Describe. e.g. shelterbelt, forested, forested creek bottom, forested river bottom)

☐ Yes

☒ No

Describe adjacent properties (e.g., forested, grassland, commercial or residential development, water sources).

Other Described in Comments

Other Described in Comments

Other Described in Comments

Proximity to public land (15 Mile Radius)

What is the distance in miles from the project area to forested public lands (e.g., national or state forests, national or state parks, conservation areas or wildlife management areas)?

Two (2) Section 4(f) properties (community parks), exist on the southern side of the project limits, Tuthill Park and Spencer Park. These parks qualify as protected section 4(f) resources.

Tree habitats in these parks are included as part of this habitat assessment.

Northern Long-Eared Bat Habitat Assessment Data Sheet (continued)

Additional information about discreet habitat types at multiple sites

Use additional sheets to assess discrete habitat types at multiple sites in a project area. Include a map depicting sample sites in project area. A single sheet can be used for multiple sample sites if the habitat is the same.

Sample Site Description (Station # / MRM#)

Sample site no.

Sample site no.

Water Resources at Sample Site

Stream type (# and length in FT)	<u>Ephemeral</u>	<u>Intermittent</u>	<u>Perennial</u>	Describe existing condition of water sources
	--	--	--	
Pools/ponds (# and size in acres)	<u>Open and accessible to bats?</u>			<input type="radio"/> _____ provides potential summer water source.
	N/A			
Wetlands (Approx. acres)	<u>Permanent</u>	<u>Seasonal</u>		<input checked="" type="radio"/> No Water Source

Forest Resources at Sample Site

Closure/density (Use 1-6 from far right table)	<u>Canopy (>50')</u>	<u>Midstory (20-50')</u>	<u>Understory (<20')</u>	1=1-10%, 2=11-20%, 3=21-40%, 4=41-60%, 5=61-80%, 6=81-100%
	4	4		
Dominant species of mature trees	Cottonwood	Green Ash	Other Deciduous	
% of trees with exfoliating bark				
Size composition of live trees (%)	<u>Small (3-8 in.)</u>	<u>Med. (9-15 in.)</u>	<u>Large (>15 in.)</u>	
		90	10	
Total # of suitable snags	2			<input checked="" type="checkbox"/> No Forest Resources

(Suitable snags are standing dead trees with exfoliating bark, cracks, crevices or hollows.)

Conclusion

IS THE HABITAT SUITABLE FOR NORTHERN LONG-EARED BATS? Yes

Additional comments:

The tree stand consisted of 10 trees, including Quaking Aspen (*Populus tremuloides*), Burr Oak (*Quercus macrocarpa*), American Elm (*Ulmus americana*), and Red Maple (*Acer rubrum*).

This tree stand may provide roosting habitat. There were several large dead trees.

Attach aerial map of project site with all forested areas labeled and a general description of the habitat.

Photographic documentation should include: habitat shots at edge and interior from multiple locations; canopy, midstory, understory; examples of potential suitable snags and live trees; and water resources.

Tree Stand B









Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Jonathan Windy Boy, THPO
Chippewa Cree Tribe
9740 Upper Box Elder Rd
Box Elder, MT 59521-9104

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. Windy Boy:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration - SD Division, is soliciting comments on specified project(s) from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by July 24, 2024, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,



Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Cc: Justin Moschelle, Archaeologist
John Windy Boy, Assistant THPO

Attachments

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Scope updates.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (01/08/2021 - SLD)

The following scope updates resulted from the Scoping Meeting on PCN 000S held on 12/30/2020:

The work needed for traffic control on the Minnesota Ave interchange project, PCN 000S, will now be added this project. This work was originally to be completed with PCN 07CX; 07CX will be cancelled and all advance work to accommodate managing traffic for 000S will be completed with 05HN. The work may include installing temporary ramp crossovers, possible widening needed at the existing mainline median crossovers to maintain 2 lanes of traffic during construction, and constructing a temporary road which may include installing the temporary structure, hauling berm material, etc.

This project will now have a 2-year construction which will be in fiscal years 2025 and 2026. This will allow more time for completing the interchange work at Cliff Ave, removing the temporary structure needed for traffic control on the Cliff Ave interchange project, and completing the temporary traffic control work needed for the Minnesota Ave interchange project.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Detector loops.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (05/26/2021 - SLD)

Install preformed detector loops for traffic counters on I229 NB between the EB on-ramp and the end project limits and on I229 SB from between the WB off-ramp and the end project limits. The designer will contact the Office of Transportation Inventory Management to identify the locations of the preformed detector loops. The detector loops will be added to Section L in the plans.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Auxiliary lanes between Exit 3 and Exit 4.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders. (04/28/2022 - SLD)

Auxiliary lanes should be installed on I229 between Exit 3 and Exit 4, due to the end of the tapers for the off-ramps and on-ramps being only 28' apart on southbound I229 and overlapping on northbound I229. A layout showing the tapers for the off-ramps and on-ramps can be found in the Appendix tab.

Scope Amendment

For project(s): 05HN

Approved Date: <No Date>

Summary:

Install median cable barrier.

Description:

This amendment is for informational purposes only and was not sent out for review/approval. The changes included in this scope amendment have been discussed and agreed upon with the appropriate Stakeholders.
(04/23/2024 - SLD)

High-tension median cable barrier should be installed on this project through the project limits on I229 as part of a safety corridor using the new design guidance developed by the SDDOT Standards Engineer per Chapter 10 in the SDDOT Road Design Manual.

The Safety SIT was updated in the Proposed Project Information tab.

Approved Scope

For project(s): 05HN

Approved Date: 05/23/2024

Executive Summary:

Four scope amendments have been completed for this project. Details included in the scope amendments can be found on the Amendment tab.

The 1st scope amendment provides information regarding traffic control and construction years. The 2nd scope amendment added detector loops for traffic counters. The 3rd Scope Amendment added auxiliary lanes between Exit 3 and Exit 4 on I229. The 4th Scope Amendment added median cable barrier through the project limits on I229.

The purpose of this 4R project is to replace the I229 interchange at Exit 4 (Cliff Avenue - structures 50-210-230 and 50-211-230) to improve mobility and safety within the interchange and along the Cliff Ave corridor for all users. The 2010 Decennial Interstate Corridor Study and the I229 Major Investment Study identified the need to improve the Cliff Ave interchange, due to substandard ramp shoulder widths, control of access lengths to the ramp terminals, pavement conditions on Cliff Ave, structure design life, existing and future traffic demands, lack of multi-modal facilities along Cliff Ave, and safety of the traveling public within the interchange. This project will include grading, PCC surfacing, structures, curb & gutter, sidewalk, storm sewer, traffic signals, lighting, and pavement markings. The project is expected to be a 12 (See Amendment 1) year construction project.

An Interchange Modification Justification Report (IMJR) will be completed by SEH Engineering Inc (SEH) that aided in the identification of a recommended interchange location, design, and typical section. The recommended interchange alternative is a single point interchange configuration with Cliff Ave underneath the I229 structures. Information in the Study and Environmental Scan Reports can be found in the following links: <file:/U:\pd\Studies\I229-Exits3-4\IMJRs\Exit4\Final\IMJR%20I-229%20Exit%204%20wAppendix%2010282020.pdf>, <file:/U:\pd\Studies\I229-Exits3-4\Environmental\ESR\Exit4\1stDraft\Exit%204%20ESR%2006292020%20-%20Draft.pdf>. A layout of the recommended alternative for the Exit 4 (Cliff Ave) interchange can be found in the Appendix tab. The layout should not be considered the ultimate design, but gives a general overview for overall layout, lane configurations, and proposed turn lane locations.

Structure 50-210-230 is on I229S over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985. Structure 50-211-230 is on I229N over Cliff Ave and is a 3 span prestressed concrete bridge 183.2' in length that was built in 1959 and reconstructed in 1985.

Additional Proposed Improvements:

I229 N&S Mainline Subgrade Width between the Median Crossovers West and East of Exit 4 - The typical section will be 3 - 12' lanes with 10' inside and outside shoulders.

41st Street - Realign 41st Street to obtain a 340' control of access spacing from the new Cliff Ave single point interchange and install a new traffic signal.

Cliff Ave from Park Road to the Lincoln High School Entrance north of Pam Road - Reconstruct Cliff Ave within the impacted interchange area shown in the layout in the Appendix tab. The lane widths on Cliff Ave will be 12' wide based on the City of Sioux Falls design standards and the IMJR's traffic analysis. A 6' sidewalk will be installed on the west side of Cliff Ave and a 10' shared-use path will be installed on the east side of Cliff Ave.

The City of Sioux Falls has the option to install 2 pedestrian underpasses for the shared-use path at their expense, but has decided not to move forward with that option at the time this project was scoped.

The Sioux Falls School District would like to have the ROW that is on their side of the current ROW fence in the

NE quadrant and prefer to have the first opportunity at all ROW no longer needed in the NE quadrant after the project.

The IMJR also recommended installing a traffic signal at the intersection of Cliff Ave & 38th Street to provide an acceptable LOS, and turn lane capacity improvements, storage lane extensions, and signal timing/coordination improvements along Cliff Ave outside the interchange area. These improvements will not be included in this project and will be responsibility of the City of Sioux Falls with a future project, as necessary.

ROW will be needed at the new interchange. The old grading plans indicate an existing 150' wide ROW from the center of the median throughout the entire project limits. Final ROW impacts will be determined during design. Based on the layout in the Appendix tab, there are several relocations needed for the preferred alternative. There will be impacts to commercial and industrial business as well as residences. Additional time will be required for relocation entitlements, valuations, and negotiating right of way.

A mainline crossover project PCN 07CY is currently programmed in 2024 for the Exit 4 (Cliff Ave) interchange reconstruction project.

An aerial map is available for reference in the Appendix tab.

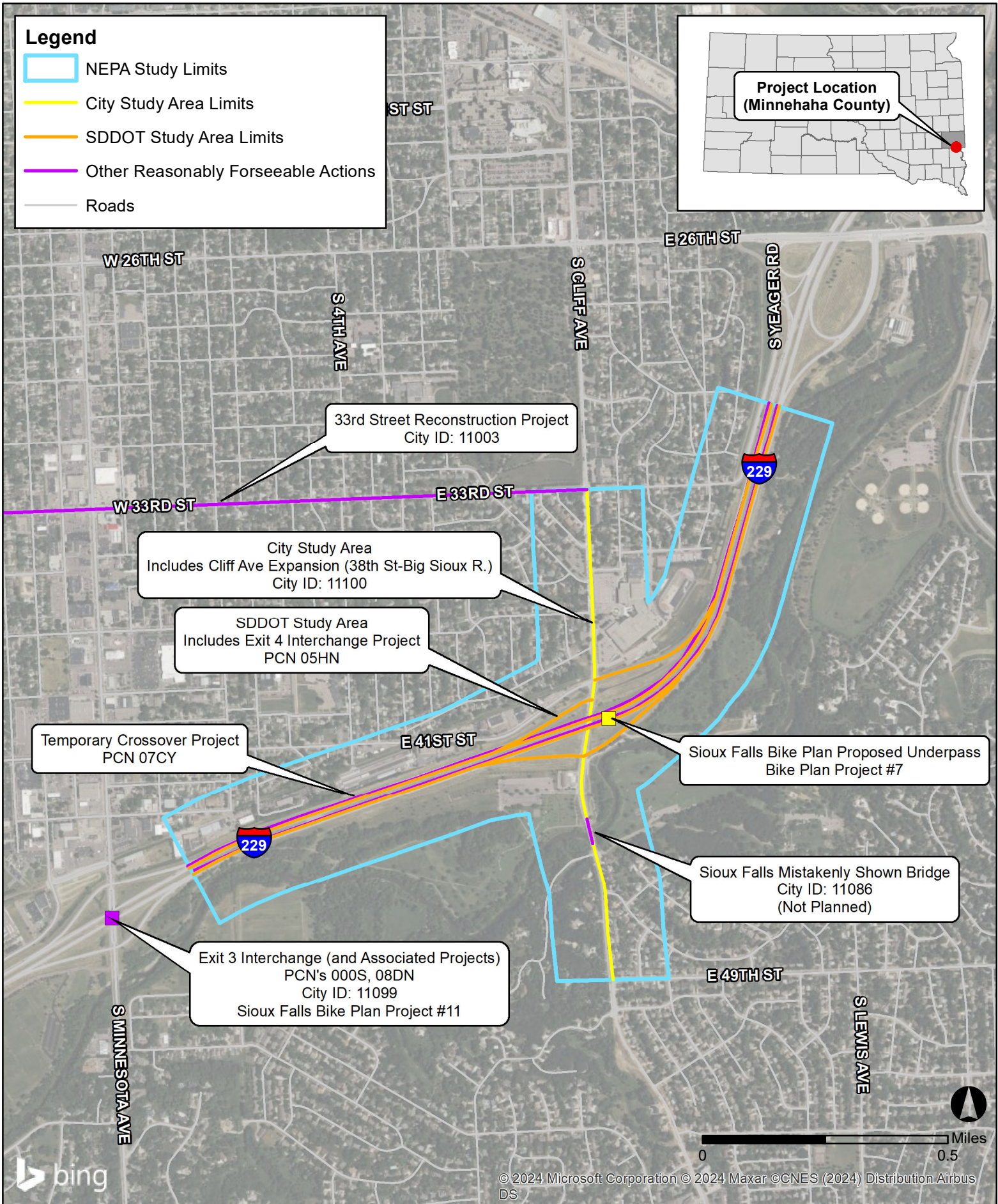
More detail of the work above can be found in the Proposed Project Information tab.

The Responsible Manager for this project is the Consultant Manager Pete Longman in the SDDOT Office of Road Design.

It is the responsibility of the Designer to ensure the project meets or exceeds the current minimum SDDOT design standards and policies. The Consultant Manager shall coordinate any improvements not included in the scope of work involving grading, ROW needs, inslope flattening, and/or pipe/drainage work with the Environmental Office and assigned Planning Engineer for any additional environmental clearances that may be required. The Consultant Manager shall verify with the Pavement Engineer that the surfacing recommendation provided in the Approved Scope is the most current recommendation before proceeding with the project design.

Improvement Types Quick Reference

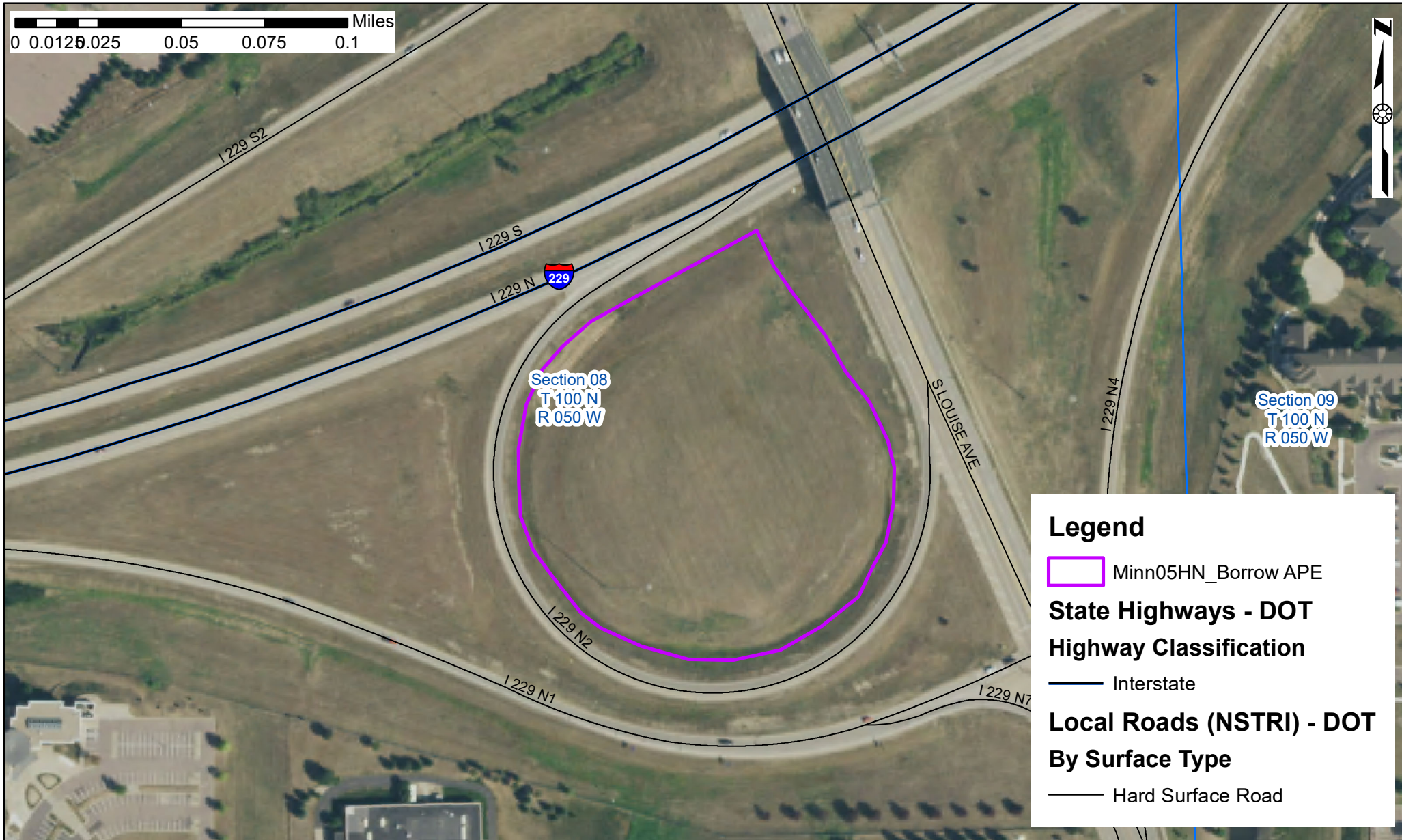
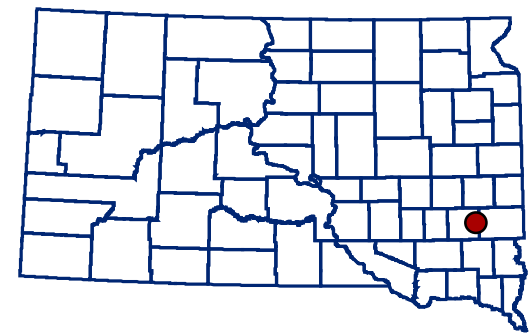
Type	Included
Grading	Yes
Hydraulic	Yes
Maintenance	No
Rest Area/Building Sites	No
Research	No
Resurfacing/Surfacing	Yes
Right of Way	Yes
Railroad	No
Roadside Development	Yes
Safety	Yes
Structure	Yes
Traffic	Yes
ADA	No

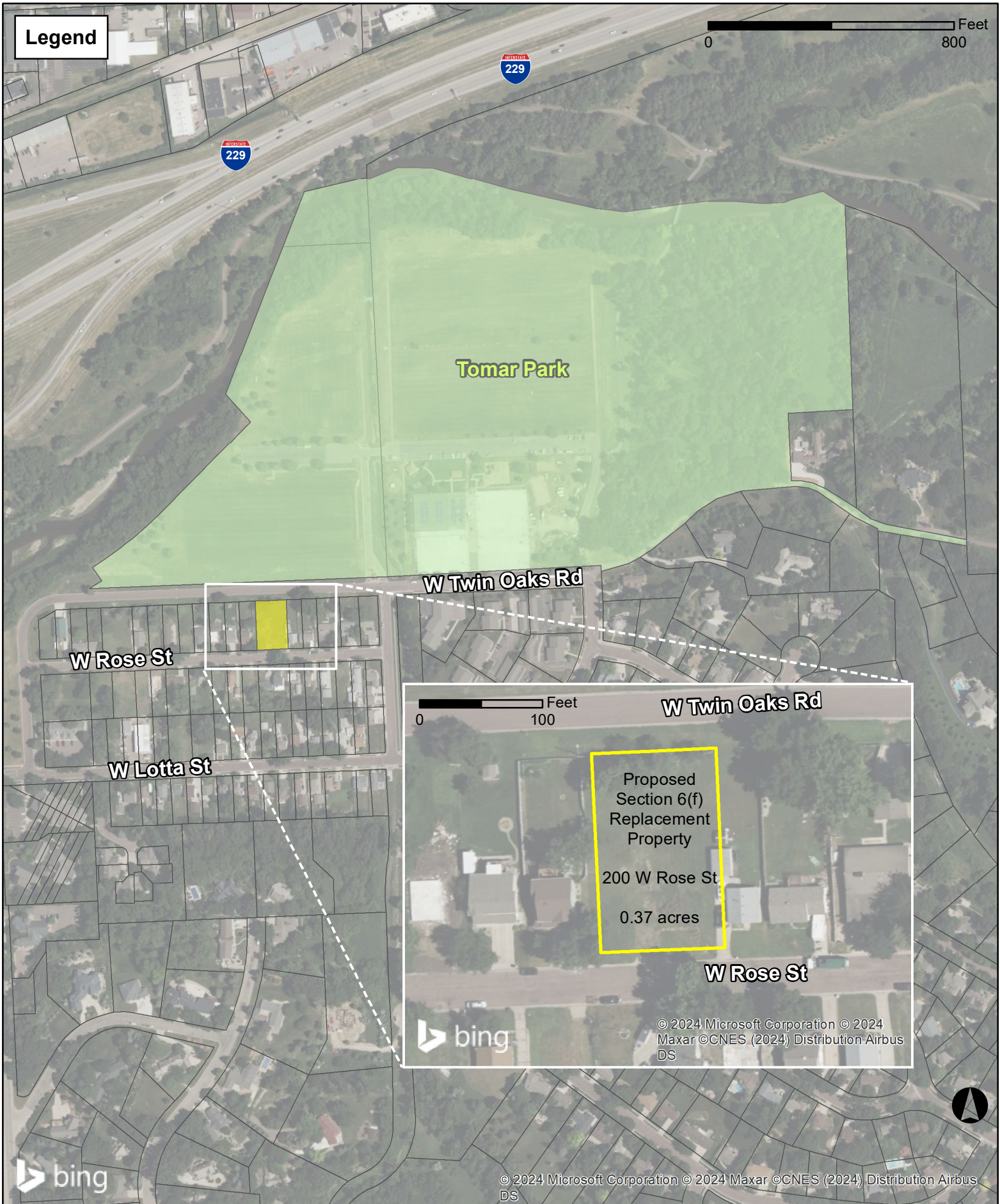




IM 2292(101), PCN 05HN
Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls

Borrow Site





401 East 8th Street
Suite 309
Sioux Falls, SD 57103
(605) 330-7000

Print Date: 6/19/2024
Source: Bing Maps,

Map by: m/falk
Projection: State Plane
South Dakota S

Proposed Section 6(f) Replacement Property
I-229 Exit 4 (Cliff Avenue) Interchange
Minnehaha County, SD



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Merle Marks, THPO
Crow Creek Sioux Tribe
PO Box 50
Ft. Thompson, SD 57339

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. Marks:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration - SD Division, is soliciting comments on specified project(s) from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by July 24, 2024, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chad Babcock', is positioned above the printed name.

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Garrie KILLSAHUNDRED, THPO
Flandreau Santee Sioux Tribe
PO Box 283
Flandreau, SD 57028

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. KILLSAHUNDRED:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached. The project will comply with all federal and state environmental regulations.

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If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,



Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Boyd Gourneau, Cultural Resources Director
Lower Brule Sioux Tribe
PO Box 187
Lower Brule, SD 57548

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. Gourneau:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached. The project will comply with all federal and state environmental regulations.

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If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,



Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Cc: Mary Jane Gourneau, Environmental Protection Office Director
Brian Molyneaux, Tribal Archaeologist

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Richard Wright, Interim THPO/Cultural Director
Ponca Tribe of Nebraska
PO Box 288
Niobrara, NE 68760

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. Wright:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

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If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chad Babcock".

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Ione Quigley, THPO
Rosebud Sioux Tribe
PO Box 750
Rosebud, SD 57570-0658

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Ms. Quigley:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration - SD Division, is soliciting comments on specified project(s) from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by July 24, 2024, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chad Babcock', is positioned above the typed name.

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Cc: Benjamin Young

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Dianne Desrosiers, THPO
Sisseton-Wahpeton Oyate
PO Box 907
Sisseton, SD 57262

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Ms. Desrosiers:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

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If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chad Babcock".

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Cc: Wayne Cloud, Section 106 Assistant
Brent Starr, Assistant Reviewer

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Allan Demaray, Tribal Historic Preservation Office Director
Three Affiliated Tribes (Mandan Hidatsa Arikara Nation)
Tribal Historic Preservation Office
307 5th Ave
New Town, ND 58763

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. Demaray:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

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If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,



Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Joe Myrick, Section 106 Coordinator
Three Affiliated Tribes (Mandan Hidatsa Arikara Nation)
Tribal Historic Preservation Office
307 5th Ave
New Town, ND 58763

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. Myrick:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

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If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chad Babcock".

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Attachments



Planning and Engineering
DOT Environmental Office
700 E Broadway
Pierre, SD 57501
O: 605-773-4336
dot.sd.gov

June 23, 2024

Colton Archambeau, THPO
Yankton Sioux Tribe
PO Box 1153
Wagner, SD 57380-1153

RE: Project IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County
I229 - Exit 4 (Cliff Ave) in Sioux Falls
Grading, PCC Surfacing, Curb & Gutter, Storm Sewer, Signals, Lighting

Dear Mr. Archambeau:

Attached is a map detailing the location of the above referenced project. The above referenced project includes SDDOT Project #IM 2292(101), PCN 05HN, The City of Sioux Falls improvements to Cliff Avenue (CIP #11100) and bike path construction (#7 2023 Sioux Falls Bike Plan).

Since initial coordination took place for this project, a potential borrow site was identified which may be used during construction of this project. The proposed borrow site is located at the I229 Louise Ave Exit ramp. In addition, a replacement property for impacts to Section 6(f) resources was identified for use with this project. The replacement property is located at 200 W Rose St, on the south end of Tomar Park, in Sioux Falls. Both of these sites fall outside the initial study area for the project, and maps of these sites are also attached. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration - SD Division, is soliciting comments on specified project(s) from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by July 24, 2024, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Engineer, at (605) 776-1012.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chad Babcock".

Chad Babcock, Environmental Manager
DOT Environmental Office
605.773.3721
chad.babcock@state.sd.us

Cc: Desiree Bruguier, THPO Secretary

Attachments



Department of Transportation
Environmental Office
700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Garrie KILLSAHUNDRED
Flandreau Santee Sioux Tribe THPO
P.O. Box 283
Flandreau, SD 57028

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Mr. KILLSAHUNDRED:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration – SD Division, is soliciting comments on this project from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by February 11, 2019, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments



Department of Transportation

Environmental Office

700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Clair Green, Section 106 Coordinator
Lower Brule Sioux Tribe
P.O. Box 187
Lower Brule, SD 57548

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Ms. Green:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration – SD Division, is soliciting comments on this project from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by February 11, 2019, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments



Department of Transportation
Environmental Office
700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Diane Desrosiers
Sisseton-Wahpeton Oyate THPO
P.O. Box 907
Sisseton, SD 57028

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Ms. Desrosiers:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

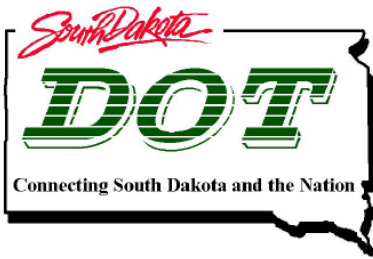
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If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments



Department of Transportation

Environmental Office

700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Jon Eagle
Standing Rock Sioux Tribe THPO
P.O. Box D
Fort Yates, ND 58538-0522

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Mr. Eagle:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration – SD Division, is soliciting comments on this project from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by February 11, 2019, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments



Department of Transportation
Environmental Office
700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Kip Spotted Eagle
Yankton Sioux Tribe THPO
P.O. Box 1153
Wagner, SD 57380-1153

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Mr. Spotted Eagle:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration – SD Division, is soliciting comments on this project from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by February 11, 2019, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments



Department of Transportation

Environmental Office

700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Elgin Crows Breast
Three Affiliated Tribes (Mandan Hidatsa Arikara Nation) THPO
404 Frontage Road
New Town, ND 58763-9404

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Mr. Crows Breast:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration – SD Division, is soliciting comments on this project from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by February 11, 2019, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments



Department of Transportation
Environmental Office
700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Shannon Wright
Ponca Tribe of Nebraska THPO
P.O. Box 288
Niobrara, NE 68760

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Mr. Wright:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration – SD Division, is soliciting comments on this project from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by February 11, 2019, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments



Department of Transportation
Environmental Office
700 E Broadway Avenue
Pierre, South Dakota 57501-2586
605/773-4336

December 10, 2018

Jonathan Windy Boy
Chippewa Cree Tribe THPO
P.O. Box 230
Box Elder, MT 59521

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229 – Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Mr. Windy Boy:

Attached is the scope summary and map detailing the location of the above referenced project. The proposed project will correct deficiencies at the interchange of I-229 and Cliff Avenue in Sioux Falls, SD. The project will comply with all federal and state environmental regulations.

Pursuant to Section 106 of the National Historic Preservation Act (36 CFR Part 800), the South Dakota Department of Transportation, on behalf of the Federal Highway Administration – SD Division, is soliciting comments on this project from tribes that have expressed an interest in highway projects in Minnehaha County. Please provide your comments by February 11, 2019, so that the project can move toward a timely letting and construction.

If you have any questions, please feel free to contact me at the phone number or email address below, or you may contact Tom Lehmkuhl, FHWA Environmental Protection Specialist, at (605) 224-8033.

Sincerely,

Joanne Hight
Engineering Supervisor
605.773.3721
Joanne.Hight@state.sd.us

Attachments

Project Description and Background

The South Dakota Department of Transportation (SDDOT), in partnership with the City of Sioux Falls, the Sioux Falls Metropolitan Planning Organization (MPO) and Federal Highway Administration (FHWA) – the Study Partners – are proposing to improve the Interstate 229 (I-229) interchanges and their approach roadways at Exits 3 (Minnesota Avenue) and 4 (Cliff Avenue) in Sioux Falls, South Dakota. Potential I-229 Corridor Study improvements were documented in a recently completed Major Investment Corridor Study (MIS) from the Solberg Avenue Bridge crossing to the East 60th Street Bridge crossing. Five interchange substudies resulted from the MIS, including Exit 3 (Substudy 2) and Exit 4 (Substudy 6).

Next steps for advancing the interchange studies include preparation of Interchange Justification Modification Reports (IMJR), NEPA documentation, topographic surveys and subsurface utility engineering and exploration. With the preceding MIS groundwork completed, the Study Partners are moving forward with refining and continuing to narrow the range of reasonable alternatives, construct a defensible purpose and need for both projects through required NEPA documentation, and complete topographic surveys and utility locates for each project to determine existing rights-of-way, access control and potential utility conflicts.

Rather than completing long-term improvements in a piecemeal fashion along the I-229 corridor, the Study Partners determined that the best approach would be to develop a Vision project that could be accomplished in fundable segments over time. The Study Partners also recognized that the cost and detailing of the Vision project would be extensive and thus would need to be completed in stages and proceed through individual projects coordinated with supporting local roadway and other integrated multimodal projects. This approach also ensures the components “fit together” over time, especially as redevelopment projects and park and recreation uses adjacent to the I-229 Corridor evolve and change. The MPO’s current 2040 Long Range Transportation Plan (LRTP) provides for this range of interchange and mainline I-229 improvement costs spread over a 20-year period, with priority determined by needs, funding availability and community-wide acceptance.

Based on project partner consensus – as well as efficiencies to be gained through concurrent traffic/other data collection, analysis in the IMJR and NEPA documentation processes, survey and utility investigations and public involvement efforts – it was strategically determined that Exit 3 and Exit 4 would be advanced simultaneously and proceed together to future design and construction staging. For each substudy area, MIS-identified alternatives may be further modified and some may potentially be eliminated during the completion of the IMJR documentation and/or NEPA processes.

I-229 Exit 4 (Cliff Avenue)



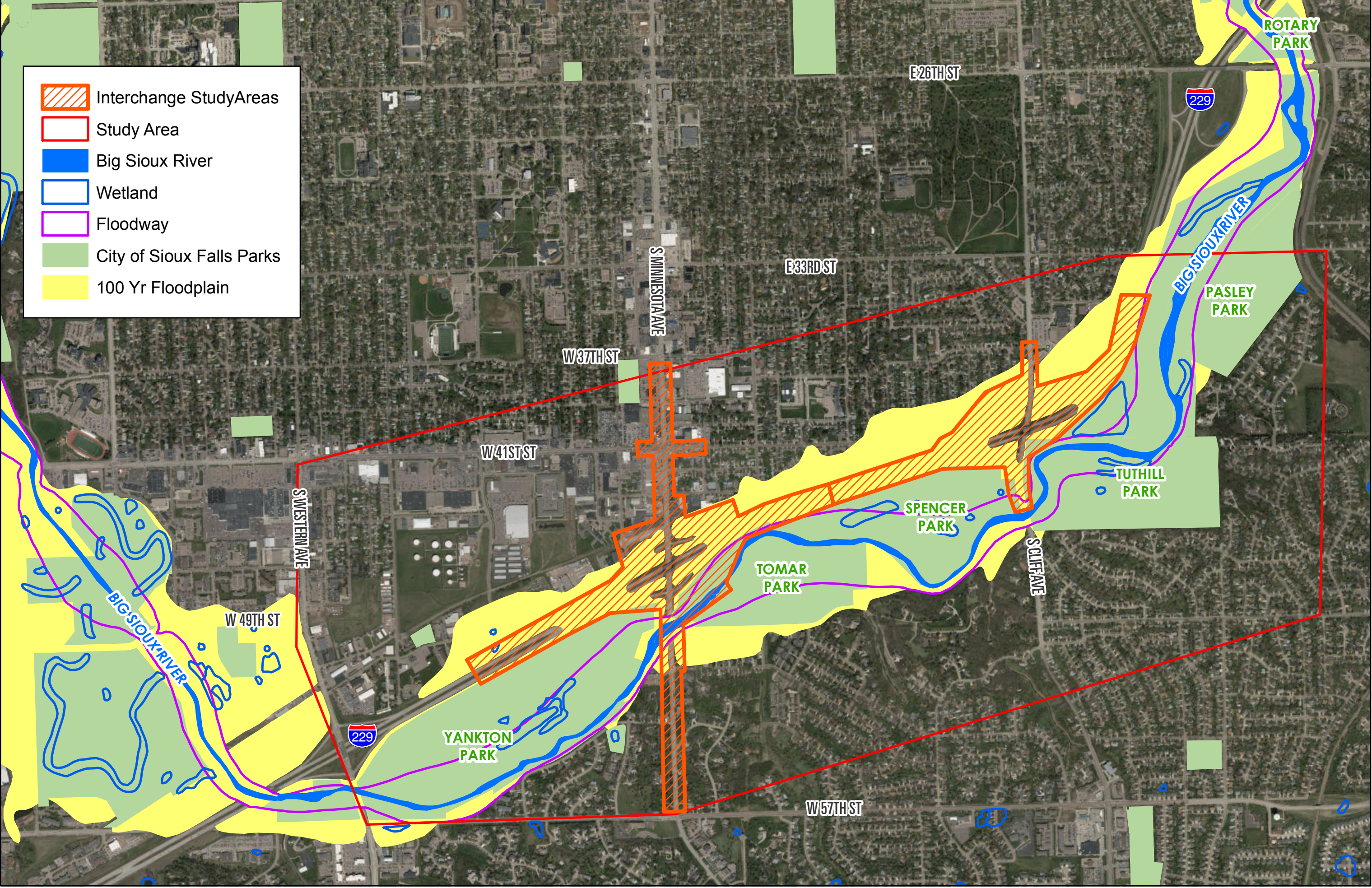
The I-229 Exit 4 southbound entrance ramp intersection experiences congestion in the peak traffic hours. This is due in part to Lincoln High School traffic, but also as because this heavily traveled commuter corridor distributes traffic between northern neighborhoods, downtown and southern parts of the community. Cliff Avenue provides direct access to Spencer and Tuthill Parks, and, similar to Minnesota Avenue, is a major north-south arterial roadway that crosses Sioux Falls with direct access to I-229.

By the year 2035, congestion is anticipated to increase at the current interchange ramp terminals. Preliminary concepts for the Cliff Avenue interchange to address the existing and year 2035 transportation deficiencies were developed for MIS

Substudy 6. No additional improvements were deemed necessary beyond the interchange area, so no additional corridor options were analyzed in the MIS.

Preliminary concepts were developed and, through a screening process using established evaluation criteria, it was determined that the following three alternative scenarios should be carried forward for study in the IMJR:

- Cliff-1 – NB Cliff to SB I-229 Loop Ramp
- Cliff-6 – SPUI, 41st Street Realigned
- Cliff-7 – SPUI, SB I-229 Exit Ramp Thru and Rights at 41st Street





YANKTON SIOUX TRIBE

TRIBAL HISTORIC PRESERVATION OFFICE

800 S. Main ■ PO BOX 1153 ■ Wagner, South Dakota 57380 ■ 605.384.3641

January 31, 2019

Joanne Hight
South Dakota Department of Transportation
Environmental Office
700 E. Broadway Ave.
Pierre, SD 57501-2586

RE: Project IM 2292(101)4, PCN 05HN, Minnehaha County
I-229-Exit 4 (Cliff Ave.) in Sioux Falls
Interchange Improvements

Dear Madam,

We have reviewed the documentation for the referenced project(s). Based on the information provided, we would like to notify you the Yankton Sioux Tribe Tribal Historic Preservation Office does not have interest in the proposed project at this time but would like to be notified if any cultural artifacts are found.

Please retain this letter in your files as compliance with Section 106 of the National Historic Preservation Act of 1966, as amended. Finally, be advised that this correspondence is not consultation with the Yankton Sioux Tribe. The Ihanktonwan Consultation Wo'ope (Protocols for Consultation with the Yankton Sioux Tribe) are attached for your reference. Thank you for your cooperation. If there are any questions or concerns, please do not hesitate to contact us at our office by phone at 605-384-3641 ext. 1032/1033 or by e-mail at yst.thpo@gmail.com.

Sincerely,

Kip Spotted Eagle, THPO Director
Tribal Historic Preservation Office
Yankton Sioux Tribe of South Dakota



Ihanktonwan Consultation Wo'ope

Protocols for Consultation with the Yankton Sioux Tribe

I. Purpose

The purpose of these protocols is to provide federal agencies with standards with which they must comply when engaging in consultation with the Yankton Sioux Tribe ("Tribe") in order to ensure that consultation is meaningful and will fulfill the purpose and intent of Executive Order 13175 as well as applicable federal statutes, regulations, and agency policies, manuals, and Secretarial Orders. Consultation shall create understanding, commitment, and trust between the parties, and should be used to identify opportunities and solve problems.

II. Scope

The scope of these consultation protocols includes any and all consultation for both federal undertakings, as defined by 36 C.F.R. § 800.16(Y), and other "policies that have tribal implications," as that phrase is defined in Executive Order 13175.

These consultation protocols apply to any effort by a federal agency to consult with the Yankton Sioux Tribe pursuant to federal law(s), including but not limited to the National Environmental Policy Act implementing regulations (40 C.F.R. Part 1500), the National Historic Preservation Act (16 U.S.C. § 470 et seq.) and implementing regulations (36 C.F.R. Part 800), the Native American Graves Protection and Repatriation Act (25 U.S.C. § 3001 et seq.) and implementing regulations (43 C.F.R. Part 10), the American Indian Religious Freedom Act (42 U.S.C. §§ 1996 & 1996a), the Archeological Resources Protection Act of 1979 (16 U.S.C. §§ 470aa-mm), Executive Order 13175, and Executive Order 12989. For purposes of these protocols, "agency" means any authority of the United States that is an "agency" under 44 U.S.C. § 3502(1).

III. Protocols

A. Cultural Protocols

1. Relationship-building should be at the center of any consultation, as this is a primary cultural protocol for the Ihanktonwan ("Yankton"). Relationship building cannot occur through just one meeting, or by telephone or email. It requires time, trust, and respect for the relationship.
2. Agencies must recognize that water is viewed as the first medicine, and it must be honored and protected. Water is vital to the spiritual practices, culture, and health of the Ihanktonwan.



3. Agencies shall respect the fact that Yankton Sioux Tribal members have experience and knowledge that makes them uniquely qualified to identify Ihanktonwan cultural resources, and shall weigh their views accordingly.
4. Agencies must recognize that certain members of the Tribe possess inherent abilities and historical knowledge passed down through generations that make those tribal members uniquely equipped and able to identify sites of spiritual, cultural, and historical interest. These skills and knowledge should be utilized through tribal surveys of areas that may be impacted by a proposed action.
5. Agencies must recognize and respect the cultural practice of speaking in a “circular” manner, which may mean that it takes time for a speaker to arrive at the ultimate point but which conveys relevant information necessary to a proper understanding of that point.
6. Elders must be respected.
7. Agencies must recognize that the Ihanktonwan practice reciprocity, which means that if remains are unearthed, something must be given back in return to restore balance. There are consequences dictated by the universe for disturbing graves and remains, and this must be avoided.
8. Agencies must respect the practice of making offerings.
9. Sharing a meal at the conclusion of a meeting is customary and expected.

B. Behavioral Protocols

1. Parties shall respect each participant and respect each other’s diversity.
2. Parties shall speak with respect, courtesy, dignity, care, and moderation to maintain an amicable atmosphere.
3. Parties shall avoid the use of language of dominance and/or oppression.
4. Parties shall refrain from disruptive gestures or actions.
5. Parties shall avoid tactics to induce intimidation. This includes manner of dress. Parties should dress in civilian clothing or dress uniform. Fatigues must not be worn.
6. Parties shall treat everyone involved in a consultation meeting, particularly elders, with respect.
7. When an individual is speaking, all parties must refrain from interrupting that individual.



8. Parties shall not be dismissive of any statement made, but rather, shall acknowledge and value all contributions and bring them into consideration in any decision.
9. Parties shall refrain from reaching any decision until consultation has concluded and sufficient information has been exchanged.
10. Parties shall contribute and express opinions with complete freedom.
11. Parties shall carefully examine the views of others and accept valid points when made by others.
12. Parties shall focus on the subject of the consultation and avoid extraneous conversation.

C. Procedural Protocols

1. Consultation shall only include government-to-government, in-person meetings with the Tribe's General Council. Consultation shall not be conducted via telephone or written correspondence unless expressly agreed to by the Chairman of the Tribe in writing.
2. A meeting shall not be considered consultation unless the relevant federal agency is represented at the meeting by an individual with decision-making authority over the proposed federal action at issue.
3. If more than one agency is involved in the federal activity at issue, each agency shall be responsible for fulfilling consultation requirements for any activity under its respective authority. Agencies may appoint a lead agency to coordinate and lead tribal consultation; however, all involved agencies shall participate directly in consultation.
4. Multi-tribal or public meetings shall not be considered consultation unless expressly agreed to by the Chairman of the Tribe in writing unless the meeting is comprised exclusively of the federal agency and the Oceti Sakowin.
5. The consultation process shall commence as early as possible. Initial notification by a federal agency to the Tribe of a proposed action shall occur within two weeks of the federal agency becoming aware of the proposed action.
6. A federal agency shall contact the Chairman of the Tribe and the Ihanktonwan Treaty Steering Committee for the Tribe to notify the Tribe of a proposed federal action and initiate the consultation process. If the proposed federal action is expected to impact tribal cultural, spiritual, or historical resources, the federal agency shall also contact the Tribal Historic Preservation Officer. Notification pursuant to this protocol does not constitute consultation, but merely initiates the consultation process.



7. The consultation process shall include a pre-consultation meeting with the Tribe's Business and Claims Committee at which preliminary information shall be exchanged and an overview of the proposed federal action shall be provided.
8. During or prior to the pre-consultation meeting, the relevant federal agency shall inform the Tribe of the potential impacts on the Tribe of the proposed federal action.
9. During or prior to the pre-consultation meeting, the relevant federal agency shall inform the Tribe of which federal officials will make the final decision with respect to the proposed federal action.
10. Pre-consultation meetings shall be held at the Tribe's Fort Randall Casino on the first Wednesday of each month. Consultation meetings shall be held at the Tribe's Fort Randall Casino on the third Wednesday of each month. Meeting times shall be scheduled on a first-come, first-served basis. An agency shall contact the Tribe's THPO and Secretary's office to determine the next available meeting time and to schedule pre-consultation and consultation meetings.
11. Consultation meetings shall be scheduled at least thirty-five (35) days in advance to allow for adequate notice to the General Council, which is comprised of tribal members age 18 years and older and which is the governing body of the Tribe.
12. All meetings shall be opened with a prayer.
13. All meetings shall be closed with a prayer.
14. All meetings shall be followed by a meal or include a meal as part of the necessary relationship-building.
15. Consultation meetings shall not designate an end time, but shall continue until all have had an opportunity to speak.
16. The federal agency shall provide the services of a court reporter to record each consultation meeting. A transcription of each meeting shall be provided to the Tribe within ten (10) days following said consultation meeting.
17. No party shall unreasonably withhold consent to terminate consultation, but consultation shall continue until meaningful consultation has been achieved.
18. While there is no set number of meetings required for consultation to be deemed sufficient, consultation shall not be considered complete until the parties are satisfied that all necessary information has been adequately exchanged.



19. Consultation shall be completed before any federal funds are expended for the proposed federal action, before the issuance of any license or permit for the proposed federal action, and prior to the agency making any decision or taking any action regarding policies that have tribal implications.

Summary of Consultation Steps:

1. Federal agency learns of proposed federal action that may affect the Yankton Sioux Tribe.
2. Federal agency promptly (within two weeks) notifies the Chairman of the Tribe and the Ithanktonwan Treaty Steering Committee (and the Tribal Historic Preservation Officer for the Tribe if the proposed action is expected to impact tribal cultural, spiritual, or historic resources) of the proposed action. The consultation process is thus initiated.
3. The Chairman and/or his staff schedules a pre-consultation meeting.
4. A pre-consultation meeting is held.
 - a. Opening Prayer
 - b. Meeting
 - c. Closing Prayer
 - d. Meal (may also occur during the midpoint of the meeting)
5. The Chairman or his staff schedules a consultation meeting.
6. A consultation meeting is held.
 - a. Opening Prayer
 - b. Meeting
 - c. Closing Prayer
 - d. Meal (may also occur during the midpoint of the meeting)
7. Federal agency provides the Chairman of the Tribe with a transcript of the consultation meeting within 10 days.
8. Repeat steps 5-7 until meaningful consultation has been fully achieved.

D. Governmental Protocols

1. Federal agencies shall respect the unique legal and political relationship between the United States and the Tribe.
2. Consultation shall be meaningful and shall include collaboration with tribal officials.



3. The Tribe's views shall be incorporated into a federal agency's decision-making process.
4. Consultation shall be conducted and resulting agency decisions shall be made in such a way that the government-to-government relationship between the Tribe and the United States is strengthened. The Tribe shall be considered as a collaborative partner with the federal agency.
5. Federal agencies shall recognize the Tribe's right to self-government and its inherent sovereign powers. Federal agencies shall be respectful of the Tribe's sovereignty.
6. Federal agencies shall acknowledge and abide by the treaties between the United States and the Tribe.
7. Federal agency actions during and after consultation shall reflect the trust responsibility of the United States to the Tribe.

IV. Compliance

All parties shall comply with the protocols contained herein when engaging in the consultation process. Should a party fail to comply with one or more protocols, the other party shall notify the non-compliant party of the violation and the parties shall mutually agree upon a time and location for a meeting between the parties to resolve the matter. The goal of this meeting shall be to restore balance and reduce or eliminate discord by talking through the violation and reaching a mutual understanding to move forward in compliance with the protocols.