South Dakota Department of Transportation EA Reevaluation Project: SD 100 - Rice to I-00

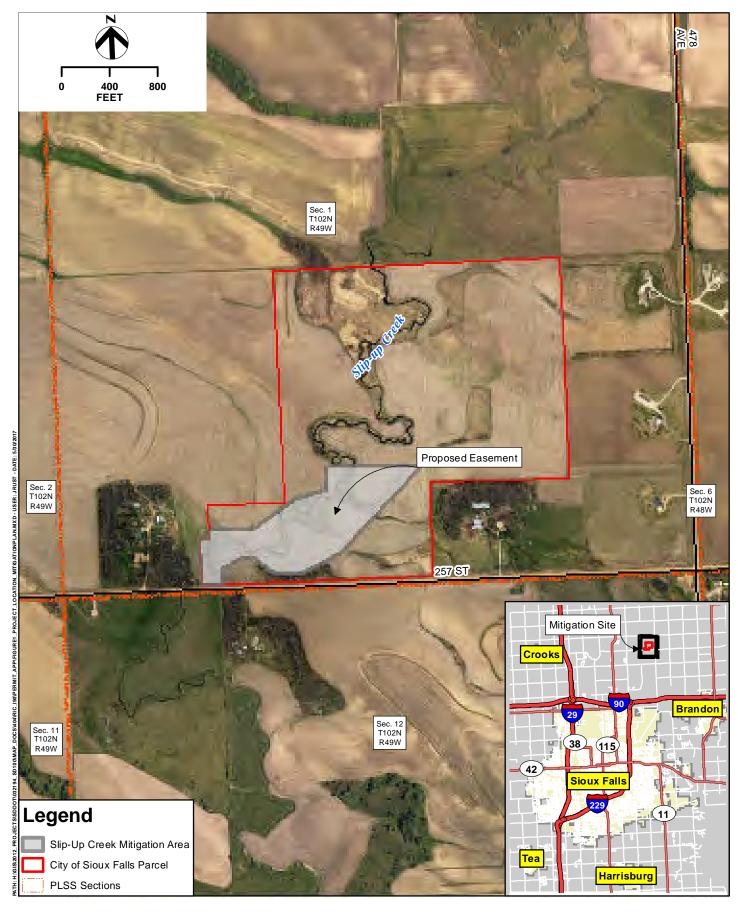
Project. 3D 100 - Rice to 1-90							
Project: NH-PS 0100(402)420, IM 0909(75)402 County: MINNEHAHA Prepared By: HDR - Jessica Brisbois	PCN: 00X8, 00WN Env. Initiation Date: 4/12/2017						
Location Description - from C2C Refer to the "Environmental Assessment and Section 4(f) De Madison Street Sioux Falls, South Dakota" dated September 20	finimis Analysis for the East Side Corridor (SD100) I-90 to South of 014 and August 2016 Reevaluation.						
Purpose & Need - from C2C							
Refer to the "Environmental Assessment and Section 4(f) De Madison Street Sioux Falls, South Dakota" dated September 20 The project purpose and need has not changed. This reevaluation reviews newly identified mitigation sites earlier NEPA documents. These mitigation sites are for str	dinimis Analysis for the East Side Corridor (SD100) I-90 to South of 2014 and August 2016 Reevaluation for the project purpose and need. Idetermined necessary to mitigate for impacts identified in the ream impacts and tree removal impacts. This form is being used arther impacts that would require a supplemental EA or EIS.						
Logical termini and segmentation review							
Y N Does the project have independent utility? Does the project connect logical termini? Does the project allow further consideration of alternative improvements? If 'N' (no) is checked for any of the above questions, the process of the consultation between SDDOT and FHWA is required.							
Attached maps identify the project location and resources of co	ncern [select all that apply]						
General project location map General location of wetlands, jurisdictional streams, cha All Section 4(f) resources located in and near the study a The location of historic structures or historic districts dire Impacted noise receptor locations and any proposed noi The location of any known Hazardous Materials sites with Proposed detour map, when applicable.	area ectly adjacent to the project or farther if impacted. ise abatement feature locations						
A. NEPA Clearance Actions							
Federally Threatened and Endangered Species (Section	n 7) [select all that apply]						
SDDOT review resulted in a "No Effect"determination to listed USFWS concurred with a "Not Likely to Adversely Affect" de USFWS concurred with the biological assessment through i Complies with the national USFWS / FHWA programmatic E Project has been appended to the USFWS / FHWA / SDDO	etermination for listed species. ndividual informal consultation. ESA consultation.						
USFWS Concurred with "May Affect, Is Likely to Adversely A not discussed in the Biological Opinion.							
New Listed Species: Species:	Effect Determination:						

Parks, Recreation Areas, Wildlife & Waterfowl Refuges, & Historic Sites (Section 4(f)) Land and Water Conservation Act Properties (Section 6(f) - 36 CFR 59)								
	No Section 4(f) or 6(f) properties will be affected. CFR 774.13 exception applies to use of Section 4(f) resource(s). FHWA Concurrence Date:							
	Requires use of these Section 4(f) or 6(f) properties: 23 CFR 774.5 agency coordination with: 23 CFR 774.6 documentation completed for: Public Coord.: NPS Concur Date: FHWA Appr. Date:							
Nat	tional Historic Preservation Act (Section 106)							
	SHPO/THPO concurred with finding of: No Historic Properties Affected Concurrence Date: 6/23/2017 Conditions are included with the finding. SDDOT will provide documentation to FHWA when satisfied.							
	Cultural resources will be affected by the project. The NHPA Section 106 process concluded with a signed Memorandum of Agreement. FHWA Approval Date:							
We	tlands (E.O. 11990 and Section 404 - Clean Water Act)							
	Wetland identification method: Desktop Analysis with Onsite Visit Delineated by / Impacts calculated by (name & consultant if appl.): Kendall Vande Kamp, HDR Wetlands within the project area will NOT be impacted: Other - see discussion below							
	Statewide Wetland Finding applies. Informal consultation with USACE when 0.5 to 1.0 acres of wetland impacts anticipated. Wetlands will be mitigated with:							
Ι,								
	Discussion An individual Section 404 Permit is being completed for project impacts from the entire Rice to I-90. This Reevaluation includes the stream mitigation site and tree mitigation only. A Section 404 Permit will be obtained prior to project advertisement and will be part of the project record.							
	Project area includes one or more acres of wetland impacts: Wetlands will be mitigated with: Est. acres permanent wetland impacts: FHWA Wetland Finding Approval Date:							
	Discussion							
Cle	ean Water Act, Dredge and Fill (Section 404, Section 9, Section 10)							
	A Section 404 Permit or Section 10 permit is not required from the USACE. A Section 9 Permit is not required from the US Coast Guard. SDDOT reasonably anticipates a Nationwide Permit will be received from USACE based on past permitting actions.							
	An Individual Permit and/or U.S. Coast Guard Permit will be applied for and imposed conditions will be complied with.							
	Discussion. Describe permit(s) required and incorporated mitigation							
	See discussion under wetlands section above.							
FEI	MA Floodplain/Floodway							
	No designated floodplains exist within the project limits. Project will not cause greater than 1-foot rise in Base Flood Elevation, any rise in a floodplain that potentially							
	impacts an adjacent structure, or any rise in a floodway. Review by (last name): White - HDR Date: 5/24/2017							
	Project will cause greater than 1-foot rise in Base Flood Elevation, a rise in a floodplain that potentially impacts an adjacent structure, or a rise in a floodway. A LOMAR will be provided to FHWA prior to advertising the project.							

Right-of-Way (temporary or permanent)							
No right-of-way is required.							
Minor amounts of right-of-way are required for:	Other - see discussion below						
More than minor amounts of right-of-way are required for:	Estimated acres Permanent						
Displacement/Relocation is required.	Estimated acres Temporary						
On average, requires more than 2 acres per linear mile of project.							
Removes major property improvements (e.g. buildings and structures). Substantial affects to property functions.							
Acquisition of land for hardship.							
Disposal of excess Right-of-Way							
Describe type of property required for ROW and/or potential im	Describe type of property required for ROW and/or potential impacts/displacements.						
Right of way is required for stream mitigation area.							
DENR Coordination - EPA Coordination if Tribal Lands							
Project requires a NPDES storm water permit (ground disturbance is greater than 1 acre) with SWPPP commitment							
Coordination Completion Date: 5/15/2017 (Commi	tments included in the Env. Commitments Checklist)						
GED Coordination							
GFP Coordination							
1 0 1 1 0 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1							
Coordination Completion Date: 5/15/2017 (Commi	tments included in the Env. Commitments Checklist)						
Coordination Completion Date: 5/15/2017 (Commi	tments included in the Env. Commitments Checklist)						
Tribal Consultation	Initiation Date: 9/3/2013						
Tribal Consultation Tribal consultation was initiated with the Tribes checked below:	Initiation Date: 9/3/2013						
Tribal Consultation Tribal consultation was initiated with the Tribes checked below: Lower Brule Sioux Tribe* Cheyenne River Sioux Tribe	Initiation Date: 9/3/2013 * Chippewa Cree Tribe (Rocky Boy) lowa Tribe of Oklahoma Northern Arapaho Tribe						
Tribal Consultation ■ Tribal consultation was initiated with the Tribes checked below: ■ Lower Brule Sioux Tribe* ■ Sisseton – Wahpeton Oyate* ■ Standing Rock Sioux Tribe* ■ Standing Rock Sioux Tribe* ■ Yankton Sioux Tribe* ■ Flandreau Santee Sioux Tribe	Initiation Date: 9/3/2013 * Chippewa Cree Tribe (Rocky Boy) lowa Tribe of Oklahoma Northern Arapaho Tribe Ponca Tribe of Nebraska						
Tribal Consultation Tribal consultation was initiated with the Tribes checked below: Lower Brule Sioux Tribe* Sisseton – Wahpeton Oyate* Standing Rock Sioux Tribe* Crow Creek Sioux Tribe*	Initiation Date: 9/3/2013 * Chippewa Cree Tribe (Rocky Boy) lowa Tribe of Oklahoma Northern Arapaho Tribe						
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Tribal Consultation ■ Tribal consultation was initiated with the Tribes checked below: ■ Lower Brule Sioux Tribe* ■ Sisseton – Wahpeton Oyate* ■ Standing Rock Sioux Tribe* ■ Yankton Sioux Tribe* ■ Three Affiliated Tribes of ND ■ Rosebud Sioux Tribe*	Initiation Date: 9/3/2013 Chippewa Cree Tribe (Rocky Boy) lowa Tribe of Oklahoma Northern Arapaho Tribe Ponca Tribe of Nebraska Bureau of Indian Affairs (w/in tribal boundaries)						
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accordance with the Section 404 Permit process. The public notice was advertised by the USACE on February 22, 2017.

B. A	dditional Considerations					
ΝΥ						
	Other Federal Actions - Action will use or lease real property owned by a Federal agency.					
	Utilities - Federal funds will be used to relocate utilities or the project contractor will be responsible for					
	relocation of utilities.					
	Farmland - Prime or unique farmland will be affected (60+ points in Part VI of NRCS-CPA-106 Form					
	Trails, walkways, bikepaths - There will be construction of new trails on ROW not previously designed for trails					
	Wild and Scenic/National Recreational Rivers - Project will cross or be adjacent to Wild and Scenic					
	portion of the Missouri River. Agency with Jurisdiction considers action an impact. Navigable Waters - Project will require work in waters identified by the USCG for interstate commerce					
	(Section 9 of the Rivers & Harbors Act)					
	Hazardous Materials - The action will result in disturbance of hazardous material site such as a Superfund					
	site, Lead Based Paint, and Asbestos. Traffic Noise - The project is a "Type I project" per 23 CFR 772.5					
	Increased Capacity - The action will result in addition of through-lane capacity					
	Environmental Justice - There is potential for disproportionately high & adverse impacts to minority or low					
	income populations exist					
	Air Quality - The action will increase capacity in exceedance of 100,000 vehicles per day in the 20th year					
	following construction; will result in a high potential for Mobile Source Air Toxics (MSAT Level III) effects or; is considered Regionally Significant within a designated non-attainment area.					
	Traffic: The action will result in permanent traffic pattern changes or disruptions					
	The action will result in closure of business access during operational hours					
	The action will result in temporary or permanent interference with local special events or festivals					
	The action will result in access restrictions to emergency service facilities or providers					
	Detours: Temporary roads, detours, or ramp closures will substantially change the environmental consequences identified for project construction activities.					
	Results in adverse travel (out-of direction). 5+ miles in urban / 25+ miles in rural					
	Results in temporary or permanent adverse effcts to through-traffic dependent business'					
	Access Results in closures to businesses or residences.					
	Access modifications will result in changes to the functionality of adjacent properties					
	The action will results in permanent or temporary control of access breaks on Interstate Unresolved controversy: There is unresolved controversy (environment, design, ROW, access, etc).					
	Cumulative Impacts: Cumulative impacts are anticipated.					
Dis	scuss each of the items noted above, impacts & coordination conducted with officials/agencies including FHWA. Include					
res	sulting mitigation for each of the items identified above. Attach map of traffic detour if one is required for the project.					
C. A	ttachment Summary					
	and discuss:					
1)	Project Location Figure 2) Agency Coordination					
D. R	EEVALUATION - Environmental Project Certification and Approval					
Project	record includes all support documents necessary to support the statements above.					
This EA	Reevaluation has been prepared in accordance with provisions and requirements of 23 CFR 771.129© relating to the					
-	entation of the National Environmental Policy Act of 1969 and 23 CFR 774 relating to Section 4(f) of the U.S. Department of					
Transpo	ortation Act of 1966.					
No sign	ificant environmental impacts were identified with the addition of mitigation sites and associated work therefore the FONSI					
determi	nation for this project continues to remain valid.					
Certif	y and recommend for approval:					
	Tam habble 07/11/2017					
SDDC	OT Environmental Project Coordinator Date					
Appro	ovai:					
FHWA	A Environmental Engineer Date					



PROJECT LOCATION

HWY 100 - RICE TO I-90 PCN 00X8 & 00WN

Brisbois, Jessica

From: Lehmkuhl, Tom <Tom.Lehmkuhl@state.sd.us>

Sent: Wednesday, April 12, 2017 7:50 AM

To: Miller, John (DENR); Murphy, Leslie; Nathan Morey (USACE); Olson, Paige; Terry

Quesinberry; Dowd Stukel, Eileen

Cc: Marion.Barber@dot.gov; 'Gomer@WAPA.GOV'; Brisbois, Jessica; Rust, Jill; Hight, Joanne

Subject: Hwy 100 - Reevaluation of Environmental Assessment

Attachments: Figure 1_Hwy 100.pdf

Follow Up Flag: Reply

Due By: Thursday, May 11, 2017 7:00 AM

Flag Status: Flagged

Greetings, everyone.

The purpose of this email is to inform the Agencies that a Reevaluation of the Environmental Assessment (EA) is being completed for the Northern Segment of Hwy 100 (I-90 to south of Madison Street). The purpose of the Reevaluation of the EA is to incorporate a stream mitigation area that will mitigate for stream impacts for the segment of the project from Rice Street to I-90, which is required for the Section 404 Permit. The proposed incorporation of this property into the project is being presented to solicit comments.

Please provide comments by replying back to this email by EOD on May 12, 2017.

Agency coordination has occurred throughout the development of the EA and completion of the Finding of No Significant Impact (FONSI). FHWA determined that Alternative 4a, the Preferred Alternative, will not have a significant impact on the human or natural environment. Since the FONSI, final design of the Preferred Alternative has been ongoing, including permitting for impacts to Waters of the U.S. The design is split into four PCNs: 1) south of Madison Street to Maple Street, referred to as PCN 00KB, 2) Maple Street to Rice Street, referred to as PCN 01V5, and 3) I-90 to Rice Street, referred to as PCN 00X8, and 4) I-90 Interchange, referred to as PCN 00WN. A Reevaluation of the EA

[http://www.sddot.com/business/environmental/assessments/docs/20160823 Hwy100 Reevaluation Final.pdf was completed in August 2016 to incorporate design changes, and the FONSI determination remained valid.

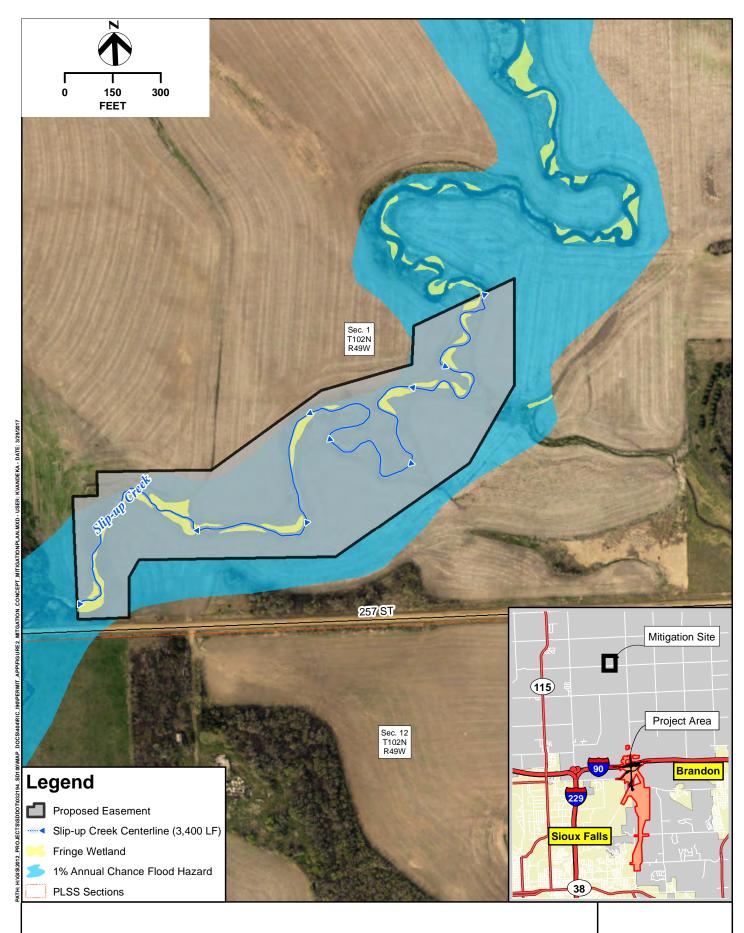
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- <u>Tree Mitigation</u>- Trees impacted by the project along the Big Sioux River corridor will be mitigated as coordinated with USFWS for the EA. It has been determined that approximately 1.5 acres of trees will be impacted, and 3 acres of trees will be planted to mitigate for these impacts. The trees will be planted in 2018 at Good Earth State Park.

We request your prompt consideration and response for these proposed areas incorporated into the Project in order to keep the design of Hwy 100 moving forward. If you have questions or comments on the Reevaluation of the EA, you can give me a call at 605.773.3721 or reply to this email. Thank you for your consideration.

Tom Lehmkuhl

Environmental Engineer Manager SDDOT – Environmental Office Ph: (605) 773-3721 Cell: (605) 295-1150



MITIGATION CONCEPTUAL LAYOUT

HWY 100 - RICE TO I-90 PCN 00X8 & 00WN FIGURE 1

Brisbois, Jessica

From: Lehmkuhl, Tom <Tom.Lehmkuhl@state.sd.us>

Sent: Monday, May 15, 2017 10:04 PM

To: Brisbois, Jessica; Rust, Jill

Subject: Fwd: Hwy 100 - Reevaluation of Environmental Assessment

Response from GFP.

Tom Lehmkuhl Environmental Engineer Manager SDDOT - Environmental Office Ph: (605) 773-3721

Cell: (605) 773-3721

Begin forwarded message:

From: "Dowd Stukel, Eileen" < Eileen.DowdStukel@state.sd.us>

Date: May 15, 2017 at 4:11:42 PM CDT

To: "Lehmkuhl, Tom" < Tom.Lehmkuhl@state.sd.us

Subject: RE: Hwy 100 - Reevaluation of Environmental Assessment

Tom, I have no specific comments to offer.

Eileen

From: Lehmkuhl, Tom

Sent: Wednesday, April 12, 2017 8:50 AM

To: Miller, John (DENR); Murphy, Leslie; Nathan Morey (USACE); Olson, Paige; Terry Quesinberry; Dowd

Stukel, Eileen

Cc: Marion.Barber@dot.gov; 'Gomer@WAPA.GOV'; Jessica Brisbois (HDR); Jill Rust (HDR); Hight, Joanne

Subject: Hwy 100 - Reevaluation of Environmental Assessment

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Maple Street, referred to as PCN 00KB, 2) Maple Street to Rice Street, referred to as PCN 01V5, and 3) I-90 to Rice Street, referred to as PCN 00X8, and 4) I-90 Interchange, referred to as PCN 00WN. A Reevaluation of the EA

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Tom Lehmkuhl

Environmental Engineer Manager SDDOT – Environmental Office Ph: (605) 773-3721 Cell: (605) 295-1150

Brisbois, Jessica

From: Lehmkuhl, Tom <Tom.Lehmkuhl@state.sd.us>

Sent: Monday, May 1, 2017 1:45 PM **To:** Brisbois, Jessica; Rust, Jill

Subject: FW: Hwy 100 - Reevaluation of Environmental Assessment

GFP's comments

Tom Lehmkuhl

Environmental Engineer Manager SDDOT – Environmental Office Ph: (605) 773-3721 Cell: (605) 295-1150

From: Murphy, Leslie

Sent: Monday, May 01, 2017 12:48 PM

To: Lehmkuhl, Tom

Subject: RE: Hwy 100 - Reevaluation of Environmental Assessment

Tom.

I am fine with the incorporation of the stream mitigation area into the SD100 project. We surveyed Slip-Up Creek last year for Topeka shiners, and did find them, so a nice mitigation area along Slip-Up will be great. I am also fine with the proposed tree mitigation ratios and locations.

Leslie Murphy | Environmental Review Coordinator South Dakota Game, Fish and Parks 523 East Capitol Avenue | Pierre, SD 57501 605.773.6208 | Leslie.Murphy@state.sd.us













From: Lehmkuhl, Tom

Sent: Wednesday, April 12, 2017 8:50 AM

To: Miller, John (DENR); Murphy, Leslie; Nathan Morey (USACE); Olson, Paige; Terry Quesinberry; Dowd Stukel, Eileen

Cc: Marion.Barber@dot.gov; 'Gomer@WAPA.GOV'; Jessica Brisbois (HDR); Jill Rust (HDR); Hight, Joanne

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Tom Lehmkuhl

Environmental Engineer Manager SDDOT – Environmental Office Ph: (605) 773-3721 Cell: (605) 295-1150



May 15, 2017

Jessica Brisbois, Environmental Scientist HDR 1720 Carey Ave., Ste. 612 Cheyenne, WY 82001

RE: Environmental Review for:

Mitigation area

Hwy 100 (SD 100) Project

Dear Ms. Brisbois:

Thank you for the opportunity to provide Farmland Protection Policy Act (FPPA) review of this project. The addition of the mitigation area into this project will not change previous findings that the project will have **no effect** on prime or important farmland.

If you have any questions, please contact me at (605) 348-2889 ext. 104.

Sincerely,

TIMOTHY NORDQUIST

NRCS Conservation Agronomist

Tim Nordquist



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/



May 02, 2017

In Reply Refer To:

Consultation code: 06E14000-2017-I-0228 Event Code: 06E14000-2017-E-00640

Project Name: Highway 100

Subject: Concurrence verification letter for the 'Highway 100' project under the December 15,

2016 FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated to verify that the **Highway 100** (Proposed Action) may rely on the concurrence provided in the December 15, 2016, FHWA, FRA, FTA Programmatic Biological Opinion 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 repeated below), you have determined that the Proposed Action is within the scope and adheres to the criteria of the PBO, including the adoption of applicable avoidance and minimization measures, and is not likely to adversely affect (NLAA) the endangered Indiana bat (*Myotis sodalis*) and/or the threatened Northern long-eared bat (*Myotis septentrionalis*).

The Service has 14 calendar days to notify the lead Federal action agency or designated non-federal representative if we determine that the Proposed Action does not meet the criteria for a NLAA determination under the PBO. If we do <u>not</u> notify the lead Federal action agency or designated non-federal representative within that timeframe, you may proceed with the Proposed Action under the terms of the NLAA concurrence provided in the PBO. This verification period allows Service Field Offices to apply local knowledge to implementation of the PBO, as we may identify a small subset of actions having impacts that were unanticipated. In such instances, Service Field Offices may request additional information that is necessary to verify inclusion of the proposed action under the PBO.

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. If the Proposed Action may affect any other federally-listed or proposed species, or any designated critical

habitat, additional consultation is required. In either of these circumstances, please contact this Office.

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

- Red Knot, (Calidris canutus rufa) (Threatened)
- Topeka Shiner, (*Notropis topeka* (=tristis)) (Endangered)
- Western Prairie Fringed Orchid, (*Platanthera praeclara*) (Threatened)



Department of Transportation

Environmental Section

700 E Broadway Avenue Pierre, South Dakota 57501-2586 605/773-4336

June 20, 2017

JUN 2 3 2017 South Dakota SHPO

Jenna Carlson Dietmeier Review & Compliance Archaeologist Cultural Heritage Center 900 Governors Drive Pierre, SD 57501-2217

Based upon the information provided to the South Dakota State Historic Preservation Office on 06-23-2017 we concur with your agency's determination of "No Historic Properties Affected" for this undertaking. State Historic Preservation Officer (SHPO)

By: ______ Coulom Datas

SECTION 106 DETERMINATION

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06-23-2017 Date SHPO Project #

RE: Class III Survey of the Slip-Up Creek Wetland Mitigation Site

Dear Ms. Dietmeier:

Project Information

Project Name: Slip-Up Creek Wetland Mitigation Site

Project No: NH-PS 0100(104)420 PCN: 00X8 County: Minnehaha

Project Location: North of Sioux Falls, approximately 3.5 miles north of I-90 and ¼ mile east of

County Highway 121 (478th Ave). The site is north of 257th St.

Description: Class III Archaeological Survey

Identification of Historic Properties

A Level III pedestrian survey within the project area was conducted. No cultural materials were encountered during the survey.

One previous cultural resource investigation was conducted within the area of potential effect (APE) for a water system addition (AMH-0118). One investigation previously identified archaeological site (39MH0026) and two previously inventoried bridges (MH00001631 and MH00001632). The two bridges are eligible for listing on the NRHP and the archaeological site, a Native American village, is currently unevaluated for listing. All three historic properties are outside of the current APE footprint.

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Ms. Jenna Carlson Dietmeier June 20, 2017

Determination of Effect

Based on no cultural materials or historic structures located within or adjacent to the project area, a determination of No Historic Properties Affected (36 CFR 800.4) is recommended for this Project. SDDOT requests SHPO's concurrence of this affect determination.

Please call me at 605-773-3721 if further information is needed.

Sincerely,

Tom Lehmkuhl

Environmental Engineer Manager

605-773-3721

Attachments

cc: HDR Level III Archaeological Survey Report, dated June 2017

Pursuant to 36 CFR part 300.13, if historic properties are discovered or unanticipated effects on historic properties 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/THPO, and indian tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery.

SECTION 106 CONSULTATION

Concurrence of the State Historic Preservation Office does not relieve the federal agency official from consulting with other appropriate parties, as described in 36 CFR Part 800.2(c).

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