

APPENDIX D

---

AGENCY COORESPONDENCE

# COPY



U.S. Department  
of Transportation

**Federal Highway  
Administration**

South Dakota Division  
116 East Dakota Avenue, Suite A  
Pierre, SD 57501-3110  
Phone: 605-224-8033  
Fax: 605-224-1766

January 23, 2007

In Reply Refer To:  
**HDA-SD**  
(File 424)

SEE ATTACHED MAILING LIST

Re: Watertown South Connector Projects  
Codington County  
Section 106 Consultation

Dear \_\_\_\_\_:

The South Dakota Department of Transportation, in cooperation with the South Dakota Division of the Federal Highway Administration, is considering construction of a major roadway on the south side of Watertown, SD (See Site Plan). The proposed projects will extend from Highway 20 to Interstate 29. For purposes of the National Historic Preservation Act, we are initiating consultation with your organization to assist us in identifying properties that may be of traditional, religious, and/or cultural importance to your Tribe.

Segment 1 of the proposed projects will widen and surface an existing road and is proposed for construction in 2008. Segment 2A will construct a road on new alignment in the study area between Highway 20 to Broadway Street South or 20<sup>th</sup> Avenue South and is proposed for construction in 2009. Construction of Segment 2B from 29<sup>th</sup> Street SE to Interstate 29 is not anticipated for fifteen or twenty years. The proposed projects are expected to provide an alternate route for heavy truck traffic between Interstate 29 and Highway 20 resulting in less traffic congestion on Highway 212. An environmental assessment (EA) is being prepared for Segment 1 and is expected to be available for public comment later this year. We anticipate an additional EA will be prepared later this year to analyze the environmental impacts of Segment 2A and possibly Segment 2B.

If you have any questions or comments or would like to discuss the proposed projects, I can be reached at the above address or at (605) 224-7326, Extension 3037.

Sincerely yours,

Ginger R. Massie, P.E.  
Environmental Engineer

Enclosure

CC: ✓ Terry Keller, SDDOT (w/o enclosure)  
Dianne Desrosiers, THPO, Agency Village, SD  
Tim Mentz, THPO, Fort Yates, ND

GRM:\S\Shared\GRM\Tribal Watertown South Connector.doc:File424:srs:070123



Mailing List for Watertown South Connector  
Updated Dec. 6, 2006

Mr. Lester Thompson, Jr., Chairman  
Crow Creek Sioux Tribe  
P.O. Box 50  
Fort Thompson, SD 57339

Mr. Michael G. Jandreau, Chairperson  
Lower Brule Sioux Tribe  
187 Oyate Circle  
Lower Brule, SD 57548

Mr. Mike Selvage, Chairman  
Sisseton-Wahpeton Sioux Tribe  
P.O. Box 509  
Agency Village, SD 57262

CC Dianne Desrosiers, THPO  
Sisseton-Wahpeton Oyate  
P.O. Box 717  
Agency Village, SD 57262

Mr. Ron His-Horse-is-Thunder, Chairman  
Standing Rock Sioux Tribe  
P.O. Box D  
Fort Yates, ND 58538

CC Tim Mentz, THPO  
Historic Preservation Office  
P.O. Box D  
Fort Yates, ND 58538

Marcus Wells Jr., Chairman  
Three Affiliated Tribes  
404 Frontage Road  
New Town, ND 58763

**“Early Notification” letter to State and Federal agencies  
To be sent on SDDOT letterhead.**

June \_\_, 2006

<<<ADDRESS  
<<<  
<<<  
>>>

Subject: Watertown South Connector Project [SDDOT Project IM 0297(01) PCN 000Y]

Dear \_\_:

The Watertown Area Transportation Plan was completed in late 2005. This plan was a collaborative effort between the City of Watertown and the South Dakota Department of Transportation (SDDOT). In the plan, the existing and future demands on the transportation system were evaluated and recommendations were made that reflect locally identified issues, goals, objectives and benchmarks. The transportation plan’s study area included all of the City of Watertown and some of unincorporated Codington County.

One of the most critical transportation improvements identified in the Plan was a high volume roadway on Watertown’s south side. This roadway was referred to as the “south connector route” in the plan, with phased implementation of the roadway over the next 5 to 15 years.

The Study Area map (attached) shows the three segments of the overall project. The proposed schedule for the project is also attached. As indicated on the schedule, it is anticipated that separate Environmental Assessments will be prepared for each of the 3 segments. Preservation of the right-of-way corridor for the roadway is the reason for completing the preliminary design and environmental assessment phases for all segments at this time. SDDOT plans to conduct up to 3 public meetings during the summer and fall to gather comments from the public on the project.

During the course of the study, potential impacts to a wide spectrum of environmental resources will be evaluated including (but not limited to): wetlands, unique habitats, threatened and endangered species, floodplains, residences and businesses, socio-economic resources, noise, parks and recreational facilities, land use, farmland, regulated materials, cultural resources, and air quality.

**As part of our early coordination efforts, we are alerting you to the initiation of this study and requesting any comments you may have about the project due to your agency's area of expertise and/or jurisdiction by law.**

This project is being developed for federal funding participation. Current regulations covering the development of federally funded highway projects require early coordination with units of government who may have interest in the project (23 CFR 771.111). This letter is intended to provide early notification to advise review agencies of the proposed project and to solicit comments regarding the project. Early notification precedes publication of the environmental document for each project, but does not preclude subsequent review and comment on the documents after publication. Other formal opportunities to comment on the project will follow at a later date when additional public information meetings and public hearings are held.

Please send comments by July 21, 2006 to me at the address below. If you have any questions regarding the enclosed information please feel free to call me at (605)394-1631. If desired or necessary, we can certainly set up a meeting with you or representatives of your agency to discuss the project. Thank you for your cooperation.

Sincerely,

Terry Keller  
Office of Project Development  
SD Department of Transportation  
700 E. Broadway Avenue  
Pierre, SD 57501

Attachments:

- Study Area Map
- Project Schedule

TAILS

Project # 6443-2006-P-0413 SDDOT Watertown South Connector Project



## United States Department of the Interior

## FISH AND WILDLIFE SERVICE

Ecological Services  
420 South Garfield Avenue, Suite 400  
Pierre, South Dakota 57501-5408

August 2, 2006

Mr. Terry Keller  
South Dakota Department of Transportation  
Office of Project Development  
700 East Broadway Avenue  
Pierre, South Dakota 57501-2586

Re: Watertown South Connector Project  
[SDDOT Project IM 0297(01), PCN  
000Y], Codington County, South Dakota

Dear Mr. Keller:

This letter is in response to your request dated June 21, 2006, for environmental comments during the scoping phase of the above referenced Watertown South Connector Project. Current project plans involve upgrades of existing roads as well as establishment of new roadways between South Dakota Highway 20 and Interstate 90 (I-90) on the south end of the City of Watertown, Codington County, South Dakota.

During a July 5, 2006, South Dakota Department of Transportation (SDDOT) resource agency meeting attended by this office, the same project map included in your June 21, 2006, letter was presented. According to that map and National Wetlands Inventory (NWI) maps, wetlands exist on the west end of the project area (within Segment 2A Study Area). We reiterate our comments from the July 5, 2006, meeting and recommend utilization of existing roadways as much as possible to avoid and to minimize impacts to these sites.

Segment 1 Study Area encompasses roadways over the Big Sioux River and Willow Creek. Per the July 5, 2006, meeting, it is our understanding that impacts to the Big Sioux River will generally be avoided by establishment of a large bridge to cross this waterway. We also recommend avoidance of the Big Sioux floodplain as well as spanning of Willow Creek and its floodplain in order to minimize or preclude impacts to these systems. Both stream crossings may be appended to the existing formal programmatic biological opinion: Stream-Crossing Projects Administered/Funded by the South Dakota Department of Transportation and Federal Highway Administration dated April 28, 2004, and amended August 23, 2004.

In accordance with section 7(c) of the Endangered Species Act, as amended, 16 U.S.C. 1531 et seq., we have determined that the following federally listed species may occur in the project area (this list is considered valid for 90 days):

<u>Species</u>	<u>Status</u>	<u>Expected Occurrence</u>
Bald eagle ( <u>Haliaeetus leucocephalus</u> )	Threatened	Migration, Winter Resident, Possible Nesting.
Whooping crane ( <u>Grus americana</u> )	Endangered	Migration.
Topeka shiner ( <u>Notropis topeka</u> )	Endangered	Known Resident of Willow Creek.

Due to the urban nature of the project setting, the bald eagle and whooping crane are not likely to occur in the project area. However, the Topeka shiner is a known resident of Willow Creek.

Additionally, the Dakota skipper (Hesperia dacotae) may occur on the project area. The Dakota skipper is a candidate species and accordingly is not, at the present time, provided Federal protection under the Endangered Species Act. Their candidate status defines these butterflies as a species in decline that the U.S. Fish and Wildlife Service (Service) believes needs to be listed as threatened or endangered, but listing is currently precluded by other priorities.

The Big Sioux River has been classified by the Service as a Type III, Substantial Fisheries Resource, and Willow Creek has been classified as a Type IV, Limited Fisheries Resource. Riverine and riparian areas are among the highest resource priorities in this region of the Service. We recommend minimization of impacts to these resources and mitigation of all unavoidable habitat losses. The following methods should be implemented to minimize environmental impacts:

1. Instream work should not be undertaken during fish spawning periods. Most spawning occurs in April, May, June, and July.
2. Stream bottoms and wetlands impacted by construction activities should be restored to pre-project elevations.
3. Removal of vegetation and soil should be accomplished in a manner to reduce soil erosion and to disturb as little vegetation as possible.
4. Grading operations and reseeding of native species should begin immediately following construction.
5. If trees or brush will be impacted by the project, a ratio of at least 2:1 acres planted versus acres impacted should be incorporated into mitigation plans for the project.

Segment 2B Study Area encompasses land surrounding I-90. According to project maps and NWI maps, linear and basin wetlands exist within this area. The Service recommends avoidance of these sites as much as possible. The 2B Study Area appears to be dominated by cropland, except those lands adjacent to wetlands. We recommend utilization of previously disturbed ground and avoidance of wetland, grassland, riparian, and forested sites to the maximum extent possible.

If changes are made in the project plans or operating criteria, or if additional information becomes available, the Service should be informed so that the above determinations can be reconsidered.

The Service appreciates the opportunity to provide comments. If you have any questions on these comments, please contact Natalic Gates of this office at (605) 224-8693, Extension 34.

Sincerely,



Pete Gober  
Field Supervisor  
South Dakota Field Office

*NAG:se*



**DEPARTMENT OF GAME, FISH AND PARKS**

Foss Building  
523 East Capitol  
Pierre, South Dakota 57501-3182

July 17, 2006

Mr. Terry Keller  
SD Department of Transportation  
Office of Project Development  
700 East Broadway Avenue  
Pierre, SD 57501

**RE: Watertown South Connector Project- IM0297(01) PCN 000Y**

Dear Mr. Keller:

The South Dakota Department of Game, Fish and Parks, Division of Wildlife, has reviewed the preliminary construction information for the above referenced project.

Based upon the information submitted with your preliminary coordination letter, we have prepared the following comments regarding potential impacts to fish and wildlife habitat resources.

**Segment 1 Study Area**

The proposed project route appears to be along an existing road (20<sup>th</sup> Avenue South). If the structures across the Big Sioux River and Willow Creek will be replaced, we recommend the following methods be implemented to minimize impacts to the waters and surrounding areas.

1. The Big Sioux River and Willow Creek are classified as substantial fisheries resources. Instream work should not be undertaken during fish spawning periods. Most spawning occurs during April, May, and June.
2. Stream bottoms and wetlands impacted by construction activities should be restored to pre-project elevation.
3. Removal of vegetation and soil should be accomplished in a manner to reduce soil erosion and to disturb as little vegetation as possible.



4. Grading operations and reseeded of indigenous species should begin immediately following construction.
5. A site specific sediment and erosion control plan should be made part of the project plan and implemented effectively.
6. A post construction erosion control plan should also be implemented in order to provide interim control prior to re-establishment of permanent vegetative cover on the disturbed site.

#### **Segment 2A & 2B Study Areas**

As the project route becomes more defined, this office can provide more detailed comments. In the preliminary stages however, it appears that wetlands and drainages exist in both study areas. If a project may impact wetlands or other important fish and wildlife habitats, the South Dakota Department of Game, Fish and Parks, Division of Wildlife, first recommends avoidance of these areas, if possible; followed by minimization of adverse impacts to these areas; then replacement of any lost acres. All project alternatives should be considered and the least damaging practical alternative selected. If impacts to wetlands are determined to be unavoidable, a mitigation plan addressing the number and types of impacted acres and methods of replacement should be submitted to the resource agencies for review.

Thank you for the opportunity to comment on this proposed project. If you have any questions, please contact me at (605) 773-6208.

Sincerely,



Leslie Petersen  
Aquatic Resource Coordinator



**DEPARTMENT OF PUBLIC SAFETY**

**EMERGENCY MANAGEMENT**

118 West Capitol Avenue  
Pierre, South Dakota 57501  
(605) 773-3231  
FAX: (605) 773-3580

September 28, 2006

Terry Keller  
Office of Project Development  
SD Department of Transportation  
700 E Broadway Ave  
Pierre SD 57501

Subject: Watertown South Connector Project (SDDOT Project IM0297(01) PCN 000Y)

Dear Terry:

In reviewing the material provided on the Watertown South Connector projects, I have the following comments. The project involves crossing two water sources that have floodplains. One of the water sources is the Big Sioux River. FEMA held several public meetings on a preliminary Flood Insurance Rate Map. The map should be going into effect in the next few months. It is my understanding that the City of Watertown is already using the map. This map involved a new study on the Big Sioux River. The other water source is Willow Creek, the city of Watertown has a local floodplain on Willow Creek. It is requested that DOT work with the floodplain administrator for Watertown to make sure that Watertown South Connector is not adversely affecting the floodplain. The floodplain administrator for the City of Watertown is Ken Bucholz. He can be reached at PO Box 910, Watertown, SD 57201 or 605-882-6200 ext. 24.

Thank you for the opportunity to comment on this project.

Sincerely,

Michelle C. Saxman  
NFIP State Coordinator

-----Original Message-----

**From:** Hoskinson, Paige

**Sent:** Monday, June 26, 2006 3:50 PM

**To:** Keller, Terry

**Subject:** Watertown South Connector Project

Terry,

A brief check of our records indicates there are at least four known archaeology sites located within or near the three study areas. In addition, given the proximity of the study areas to the Big Sioux River and Willow Creek, an on the ground archaeological survey is recommended.

Let me know if have any additional questions.

Paige Hoskinson  
Review and Compliance Coordinator  
South Dakota State Historical Society  
900 Governors Drive  
Pierre, SD 57501  
ph (605) 773-6004  
fax (605) 773-6041

United States Department of Agriculture



Natural Resources Conservation Service  
Federal Building, 200 Fourth St. SW  
Huron, South Dakota 57350

***Helping People  
Help the Land***

Phone: (605) 352-1200  
Fax: (605) 352-1270

July 10, 2006

Mr. Terry Keller  
Department of Transportation  
Office of Project Development  
700 E. Broadway Ave.  
Pierre, South Dakota 57501

RE: Prime and Important Farmlands, Watertown South Connector Project [SDDOT Project **IM0297(01)PCN 000Y**]

Dear Mr. Keller:

We have reviewed the site map of the Watertown South Connector Project study areas.

The project has the potential of impacting prime and important farmlands. Enclosed are soil maps, along with prime and important farmland maps for the study areas. These maps can be generated on the Web Soil Survey Website at: <http://websoilsurvey.nrcs.usda.gov>.

When the preferred alternatives are selected, please fill out a farmland Conversion Impact Rating form for corridors, and send to this office for processing, at the time of the release of the draft EA. This form can be accessed at: <http://www.nrcs.usda.gov/programs/fppa/>.

If you have any questions, please contact Dan Shurtliff at (605) 352-1254.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jerome M. Schaar".

JEROME M. SCHAAR  
State Soil Scientist

Enclosure

cc: Arlene Brandt-Jenson, DC, NRCS, Watertown FO




# FARMLAND CLASSIFICATION RATING FOR CODINGTON COUNTY, SOUTH DAKOTA

Farmland Classification for Segment 2B: Watertown South Connector Study Area

## MAP LEGEND

### Farmland Classification

{No Aggregation Necessary, &lt;img alt="Red box" data-bbox="294 670 311 687"/> All areas are prime farmland

 Farmland of statewide importance

 Not prime farmland

 Prime farmland if drained

 Prime farmland if irrigated

 Not rated or not available

 Soil Map Units

 Cities

 Detailed Counties

 Detailed States

 Rails

 Oceans

## MAP INFORMATION

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: UTM Zone 14

Soil Survey Area: Codington County, South Dakota  
Spatial Version of Data: 3

Soil Map Compilation Scale: 1:12000

Map comprised of aerial images photographed on these dates:  
8/31/1991

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Tables - Farmland Classification

## Summary by Map Unit - Codington County, South Dakota

Soil Survey Area Map Unit Symbol	Map Unit Name	Rating	Total Acres in AOI	Percent of AOI
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	All areas are prime farmland	133.0	14.7
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Farmland of statewide importance	219.2	24.3
J113A	Brookings silty clay loam, 0 to 2 percent slopes	All areas are prime farmland	1.0	0.1
J115D	Buse-Barnes loams, 9 to 20 percent slopes	Not prime farmland	33.9	3.8
J117E	Buse-Langhei complex, 15 to 40 percent slopes	Not prime farmland	6.5	0.7
J125A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained	13.9	1.5
J132A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	All areas are prime farmland	11.4	1.3
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Not prime farmland	47.2	5.2
J154A	McKranz silty clay loam, 0 to 2 percent slopes	Farmland of statewide importance	4.1	0.5
J156A	McKranz-Badger silty clay loams, 0 to 2 percent slopes	Farmland of statewide importance	8.5	0.9
J157A	McKranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	Farmland of statewide importance	7.2	0.8
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Prime farmland if drained	93.3	10.3
J166A	Rauville silty clay loam, 0 to 1 percent slopes, frequently flooded	Not prime farmland	3.4	0.4
J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	Not prime farmland	3.5	0.4
J171A	Renwash loam, 0 to 2 percent slopes, rarely flooded	Prime farmland if irrigated	46.3	5.1
J176A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland	1.8	0.2
J180	Udorthents (gravel pits)	Not prime farmland	0.4	0.0

## Summary by Map Unit - Codington County, South Dakota

Soil Survey Area Map Unit Symbol	Map Unit Name	Rating	Total Acres in AOI	Percent of AOI
J186A	Vienna-Brookings complex, 0 to 2 percent slopes	All areas are prime farmland	5.5	0.6
J186B	Vienna-Brookings complex, 1 to 6 percent slopes	All areas are prime farmland	184.5	20.4
J239A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland	58.9	6.5
J244A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	Prime farmland if drained	16.1	1.8
J258B	Darnen loam, 2 to 6 percent slopes	All areas are prime farmland	0.0	0.0
W	Water	Not prime farmland	2.8	0.3

### Description - Farmland Classification

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. Farmland classification identifies the location and extent of the most suitable land for producing food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the Federal Register, Vol. 43, No. 21, January 31, 1978.

### Parameter Summary - Farmland Classification

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower


































# SOIL SURVEY OF CODINGTON COUNTY, SOUTH DAKOTA

## Soil Map for Segment 2B: Watertown South Connector Study Area

### MAP LEGEND

	Soil Map Units
	Cities
	Rails
	Water
	Hydrography
	Oceans
	Escarpment, bedrock
	Escarpment, non-bedrock
	Gulley
	Levee
	Slope
	Blowout
	Borrow Pit
	Clay Spot
	Depression, closed
	Eroded Spot
	Gravel Pit
	Gravelly Spot
	Gulley
	Lava Flow
	Landfill
	Marsh or Swamp
	Miscellaneous Water
	Rock Outcrop
	Saline Spot
	Sandy Spot
	Slide or Slip
	Sinkhole
	Sodic Spot
	Spoil Area
	Stony Spot
	Very Stony Spot
	Perennial Water
	Wet Spot

### MAP INFORMATION

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: UTM Zone 14

Soil Survey Area: Codington County, South Dakota  
 Spatial Version of Data: 3  
 Soil Map Compilation Scale: 1:12000

Map comprised of aerial images photographed on these dates:  
 8/31/1991

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend Summary

## Codington County, South Dakota

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	133.0	14.7
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	219.2	24.3
J113A	Brookings silty clay loam, 0 to 2 percent slopes	1.0	0.1
J115D	Buse-Barnes loams, 9 to 20 percent slopes	33.9	3.8
J117E	Buse-Langhei complex, 15 to 40 percent slopes	6.5	0.7
J125A	Divide loam, 0 to 2 percent slopes, occasionally flooded	13.9	1.5
J132A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	11.4	1.3
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	47.2	5.2
J154A	McKranz silty clay loam, 0 to 2 percent slopes	4.1	0.5
J156A	McKranz-Badger silty clay loams, 0 to 2 percent slopes	8.5	0.9
J157A	McKranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	7.2	0.8
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	93.3	10.3
J166A	Rauville silty clay loam, 0 to 1 percent slopes, frequently flooded	3.4	0.4
J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	3.5	0.4
J171A	Renwash loam, 0 to 2 percent slopes, rarely flooded	46.3	5.1
J176A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	1.8	0.2
J180	Udorthents (gravel pits)	0.4	0.0
J186A	Vienna-Brookings complex, 0 to 2 percent slopes	5.5	0.6
J186B	Vienna-Brookings complex, 1 to 6 percent slopes	184.5	20.4

## Codington County, South Dakota

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
J239A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	58.9	6.5
J244A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	16.1	1.8
J258B	Darnen loam, 2 to 6 percent slopes	0.0	0.0
W	Water	2.8	0.3










# FARMLAND CLASSIFICATION RATING FOR CODINGTON COUNTY, SOUTH DAKOTA

Farmland Classification for Segments 1 and 2A: Watertown South Connector Study Area


## MAP LEGEND


### Farmland Classification


{No Aggregation Necessary, &lt;};


-  All areas are prime farmland
-  Farmland of statewide importance
-  Not prime farmland
-  Prime farmland if drained
-  Prime farmland if irrigated
-  Not rated or not available
-  Soil Map Units

 Cities

 Detailed Counties


 Detailed States

 Interstate Highways

 Rails

 Water

 Hydrography

 Oceans

## MAP INFORMATION

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: UTM Zone 14

Soil Survey Area: Codington County, South Dakota  
 Spatial Version of Data: 3

Soil Map Compilation Scale: 1:12000

Map comprised of aerial images photographed on these dates:  
 8/19/1991; 8/31/1991

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Tables - Farmland Classification

## Summary by Map Unit - Codington County, South Dakota

Soil Survey Area Map Unit Symbol	Map Unit Name	Rating	Total Acres in AOI	Percent of AOI
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	All areas are prime farmland	41.5	1.8
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Farmland of statewide importance	0.2	0.0
J125A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained	383.1	16.3
J127B	Egeland-Embden complex, 2 to 6 percent slopes	All areas are prime farmland	35.2	1.5
J128A	Estelline silt loam, 0 to 2 percent slopes	All areas are prime farmland	276.4	11.7
J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	All areas are prime farmland	90.1	3.8
J130B	Estelline-Sioux complex, 2 to 6 percent slopes	Not prime farmland	58.6	2.5
J132A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	All areas are prime farmland	27.7	1.2
J135A	Goldsmith silty clay loam, 0 to 2 percent slopes	All areas are prime farmland	7.0	0.3
J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	All areas are prime farmland	1.8	0.1
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Not prime farmland	28.7	1.2
J151A	Marysland loam, 0 to 1 percent slopes, occasionally flooded	Prime farmland if drained	31.0	1.3
J156A	McKranz-Badger silty clay loams, 0 to 2 percent slopes	Farmland of statewide importance	16.1	0.7
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Prime farmland if drained	217.5	9.2
J165A	Rauville mucky silty clay loam, ponded, 0 to 1 percent slopes, frequently flooded	Not prime farmland	107.0	4.5
J166A	Rauville silty clay loam, 0 to 1 percent slopes, frequently flooded	Not prime farmland	112.6	4.8
J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	Prime farmland if irrigated	8.6	0.4

---

## Description - Farmland Classification

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. Farmland classification identifies the location and extent of the most suitable land for producing food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the Federal Register, Vol. 43, No. 21, January 31, 1978.

## Parameter Summary - Farmland Classification

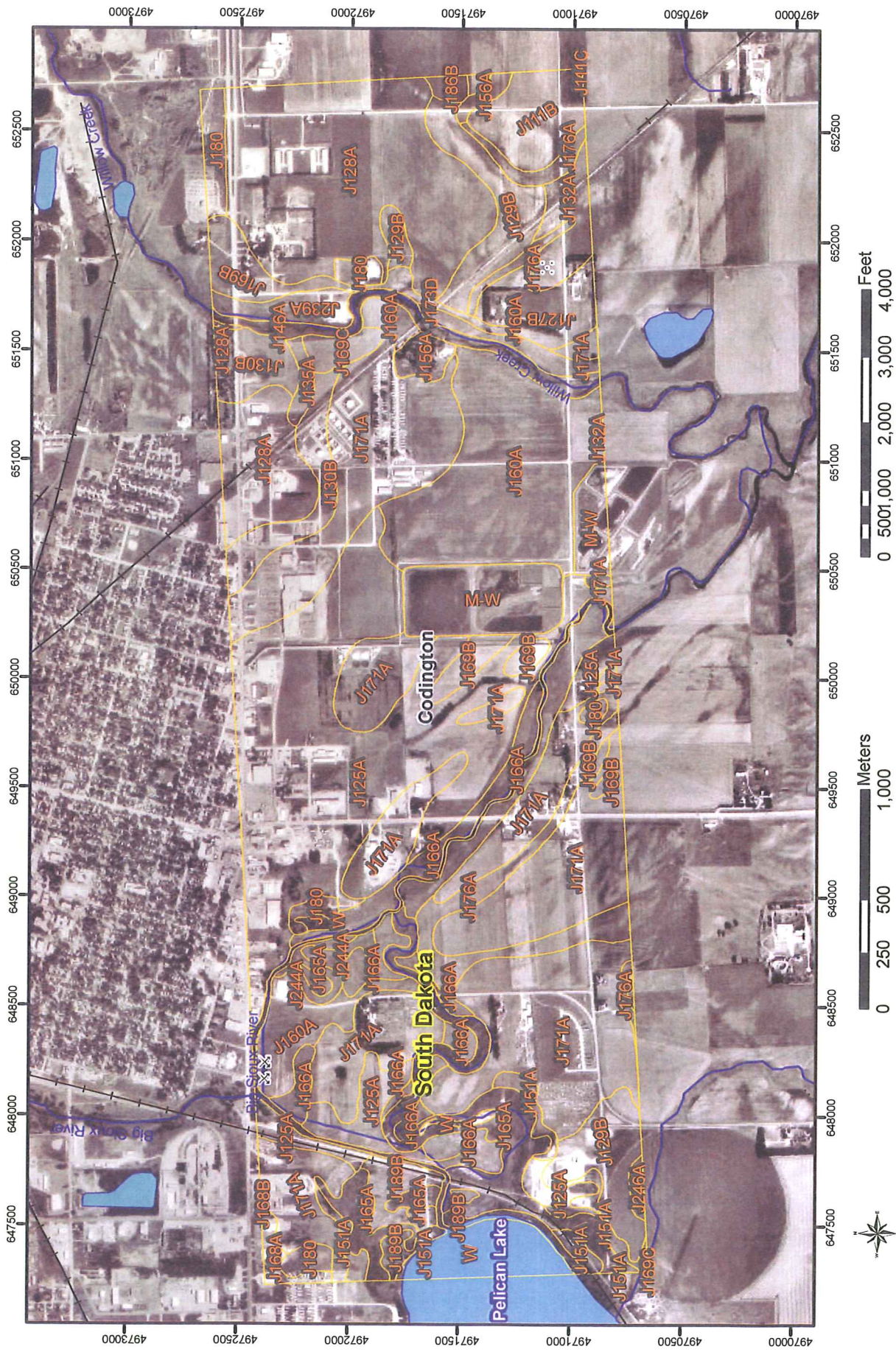
Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower



# SOIL SURVEY OF CODINGTON COUNTY, SOUTH DAKOTA






























Soil map for area of Segments 1 and 2A: Watertown South Connector Study Area



# SOIL SURVEY OF CODINGTON COUNTY, SOUTH DAKOTA

Soil map for area of Segments 1 and 2A: Watertown South Connector Study Area

## MAP LEGEND

-  Soil Map Units
-  Cities
-  Detailed Counties
-  Detailed States
-  Interstate Highways
-  Rails
-  Water
-  Hydrography
-  Oceans
-  Escarpment, bedrock
-  Escarpment, non-bedrock
-  Gully
-  Levee
-  Slope
-  Blowout
-  Borrow Pit
-  Clay Spot
-  Depression, closed
-  Eroded Spot
-  Gravel Pit
-  Gravelly Spot
-  Gully
-  Lava Flow
-  Landfill
-  Marsh or Swamp
-  Miscellaneous Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Slide or Slip
-  Sinkhole
-  Sodic Spot
-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Perennial Water
-  Wet Spot

## MAP INFORMATION

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: UTM Zone 14

Soil Survey Area: Codington County, South Dakota  
 Spatial Version of Data: 3

Soil Map Compilation Scale: 1:12000

Map comprised of aerial images photographed on these dates:  
 8/19/1991; 8/31/1991

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend Summary

## Codington County, South Dakota

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	41.5	1.8
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	0.2	0.0
J125A	Divide loam, 0 to 2 percent slopes, occasionally flooded	383.1	16.3
J127B	Egeland-Embsden complex, 2 to 6 percent slopes	35.2	1.5
J128A	Estelline silt loam, 0 to 2 percent slopes	276.4	11.7
J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	90.1	3.8
J130B	Estelline-Sioux complex, 2 to 6 percent slopes	58.6	2.5
J132A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	27.7	1.2
J135A	Goldsmith silty clay loam, 0 to 2 percent slopes	7.0	0.3
J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	1.8	0.1
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	28.7	1.2
J151A	Marysland loam, 0 to 1 percent slopes, occasionally flooded	31.0	1.3
J156A	McKranz-Badger silty clay loams, 0 to 2 percent slopes	16.1	0.7
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	217.5	9.2
J165A	Rauville mucky silty clay loam, ponded, 0 to 1 percent slopes, frequently flooded	107.0	4.5
J166A	Rauville silty clay loam, 0 to 1 percent slopes, frequently flooded	112.6	4.8
J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	8.6	0.4
J168B	Renshaw-Fordville loams, 2 to 6 percent slopes	0.0	0.0
J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	45.8	1.9
J169C	Renshaw-Sioux complex, 6 to 9 percent slopes	11.4	0.5

## Codington County, South Dakota

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
J171A	Renwash loam, 0 to 2 percent slopes, rarely flooded	541.2	23.0
J173D	Sioux-Renshaw complex, 9 to 15 percent slopes	8.3	0.4
J173E	Sioux-Renshaw complex, 15 to 40 percent slopes	0.6	0.0
J176A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	65.4	2.8
J180	Udorthents (gravel pits)	35.1	1.5
J186B	Vienna-Brookings complex, 1 to 6 percent slopes	4.7	0.2
J189B	Wamduska gravelly loamy coarse sand, occasionally ponded, 2 to 6 percent slopes	31.0	1.3
J239A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	18.9	0.8
J244A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	9.0	0.4
J246A	Fordville loam, 0 to 2 percent slopes	4.0	0.2
M-W	Miscellaneous water	74.1	3.1
W	Water	61.4	2.6



November 7, 2006

Terry Keller  
Department of Transportation  
700 East Broadway Avenue  
Pierre, South Dakota 57501

RE: SD DOT Project  
IM 0297(01) PCN 000Y  
Codington County

Dear Mr. Keller:

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 the 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 irregardless 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 (737-8676) or [www.state.sd.us/denr/des/surfacewater/stormwater.htm](http://www.state.sd.us/denr/des/surfacewater/stormwater.htm).

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

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 the waterway.
6. All newly created and disturbed area above the ordinary high water mark which are not riprapped shall be seeded or otherwise revegetated to protect against erosion.
7. This segment of the Big Sioux River is classified by the South Dakota Surface Water Quality Standards and Uses Assigned to Streams for the following beneficial uses:
  - (1) Domestic water supply waters;
  - (5) Warmwater semi-permanent fish life propagation 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 total suspended solids standard of 90 mg/L is not violated.

8. Willow Creek is classified by the South Dakota Surface Water Quality Standards and Uses Assigned to Streams for the following beneficial uses:
  - (6) Warmwater marginal fish life propagation 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 total suspended solids standard of 150 mg/L is not violated.

9. The tributaries are classified by the South Dakota Surface Water Quality Standards and Uses Assigned to Streams for the following beneficial uses:
  - (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 these tributaries are not impacted.

## HAZARDOUS 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.

## 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 Brad Schultz, 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 this office.

Sincerely,



John Miller  
Environmental Program Scientist  
Surface Water Quality Program  
Phone: (605) 773-3351



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, OMAHA DISTRICT  
SOUTH DAKOTA REGULATORY OFFICE  
28563 POWERHOUSE ROAD, ROOM 118  
PIERRE SD 57501-6174

REPLY TO  
ATTENTION OF:

October 10, 2006

South Dakota Regulatory Office  
28563 Powerhouse Road, Room 120  
Pierre, South Dakota 57501

SD Department of Transportation  
Office of Project Development  
Attn: Terry Keller  
700 East Broadway Avenue  
Pierre, SD 57501

Dear Mr. Keller:

Reference is made to the preliminary information received September 28, 2006 concerning Department of the Army authorization requirements for construction of the Watertown South Connector Project. The project is located in Codington County, South Dakota.

The Corps' jurisdiction stems from Section 404 of the Clean Water Act passed by Congress in 1972. Section 404 calls for Federal regulation of the discharge of dredged or fill material in all waterways, lakes and/or wetlands. Activities that do not involve a discharge of dredged or fill material in a lake, river, stream or wetland (Section 404) do not require Department of the Army authorization.

Based on the preliminary information provided, it appears that some of the proposed construction activities may involve the discharge of dredged or fill material in jurisdictional waterways. Therefore, a Department of the Army permit may be required. For our final determination and for processing of permits, we would ask that you submit final plans when they become available.

Enclosed are the necessary application forms (ENG Form 4345) and information pamphlet. When completing the application forms, we would request from the applicant (a) a detailed description of the work activity (i.e., explain precisely what you are going to do and how you are going to accomplish it; include fill and/or excavation quantities and dimensions to be performed below the ordinary high water elevation, along with the source/type of fill and the type of equipment to be used during construction); (b) the purpose and/or benefits of the proposed project; and (c) any alternative project designs considered.



Along with the completed application forms, we would request from the applicant (1) drawings (plan and cross-sectional views; the drawings should be submitted on 8-1/2x11 inch paper), (2) location map(s) showing all jurisdictional work sites (i.e., where the utility line will be placed in a waterway, lake, and/or wetland). (3) if available, colored pictures showing at least two views of the proposed project site(s) and (4) any ecological or environmental information available that you feel may be pertinent to your project (i.e., area wildlife activity, area vegetation, area land use, quality of fishery, etc.).

Adherence to the above information requests will speed up the application evaluation and permit processing time. The requested information is used to help the Corps determine the type of permit to process if a permit is required and is used in the public review.

Regarding your request for comment relative to environmental impacts, this office assesses project impacts, including environmental impacts, after receipt of the detailed, site specific information required via our permit application process.

If you have any questions or need any assistance, please feel free to contact this office at the above Regulatory Office address or telephone Carolyn Kutz at (605) 224-8531.

Sincerely,



Steven E. Naylor  
Regulatory Program Manager,  
South Dakota

Enclosures

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT  
(33 CFR 325)

OMB APPROVAL NO. 0710-0003  
Expires December 31, 2004

The public reporting burden for this collection of information is estimated to average 10 hours per response, although the majority of applications should require 5 hours or less. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies. Submission of requested information is voluntary, however, if information is not provided, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETED
--------------------	----------------------	------------------	-------------------------------

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME	8. AUTHORIZED AGENT'S NAME AND TITLE <i>(an agent is not required)</i>
6. APPLICANT'S ADDRESS	9. AGENT'S ADDRESS
7. APPLICANT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business	10. AGENT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business

11. STATEMENT OF AUTHORIZATION

I hereby authorize \_\_\_\_\_ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

APPLICANT'S SIGNATURE

DATE

NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE *(see instructions)*

13. NAME OF WATERBODY, IF KNOWN *(if applicable)*

14. PROJECT STREET ADDRESS *(if applicable)*

15. LOCATION OF PROJECT

COUNTY

STATE

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN *(see instructions)*

LEGAL DESCRIPTION - SECTION, TOWNSHIP, RANGE

17. DIRECTIONS TO THE SITE

18. Nature of Activity (Description of project, include all features)

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

**USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED**

20. Reason(s) for Discharge

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

23. Is Any Portion of the Work Already Complete? Yes \_\_\_\_\_ No \_\_\_\_\_ IF YES, DESCRIBE THE COMPLETED WORK

24. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

25. List of Other Certifications or Approvals/Denials Received from other Federal, State, or Local Agencies for Work Described in This Application

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED

\*Would include but is not restricted to zoning, building and flood plain permits

26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

\_\_\_\_\_  
SIGNATURE OF APPLICANT

\_\_\_\_\_  
DATE

\_\_\_\_\_  
SIGNATURE OF AGENT

\_\_\_\_\_  
DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States, knowingly and willfully falsifies, conceals, or covers up any trick scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

Instructions for Preparing a  
Department of the Army Permit Application

---

**Blocks 1 through 4.** To be completed by Corps of Engineers.

**Block 5. Applicant's Name.** Enter the name of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the responsible officer and title. If more than one party is associated with the application, please attach a sheet with the necessary information marked Block 5.

**Block 6. Address of Applicant.** Please provide the full address of the party or parties responsible for the application. If more space is needed, attach an extra sheet of paper marked Block 6.

**Block 7. Applicant Telephone Number(s).** Please provide the number where you can usually be reached during normal business hours.

**Blocks 8 through 11.** To be completed, if you choose to have an agent.

**Block 8. Authorized Agent's Name and Title.** Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, or any other person or organization. Note: An agent is not required.

**Blocks 9 and 10. Agent's Address and Telephone Number.** Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

**Block 11. Statement of Authorization.** To be completed by applicant, if an agent is to be employed.

**Block 12. Proposed Project Name or Title.** Please provide name identifying the proposed project, e.g., Landmark Plaza, Burned Hills Subdivision, or Edsall Commercial Center.

**Block 13. Name of Waterbody.** Please provide the name of any stream, lake, marsh, or other waterway to be directly impacted by the activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

**Block 14. Proposed Project Street Address.** If the proposed project is located at a site having a street address (not a box number), please enter it here.

**Block 15. Location of Proposed Project.** Enter the county and state where the proposed project is located. If more space is required, please attach a sheet with the necessary information marked Block 15.

**Block 16. Other Location Descriptions.** If available, provide the Section, Township, and Range of the site and / or the latitude and longitude. You may also provide description of the proposed project location, such as lot numbers, tract numbers, or you may choose to locate the proposed project site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed project site if known.

**Block 17. Directions to the Site.** Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site.

**Block 18. Nature of Activity.** Describe the overall activity or project. Give appropriate dimensions of structures such as wingwalls, dikes (identify the materials to be used in construction, as well as the methods by which the work is to be done), or excavations (length, width, and height). Indicate whether discharge of dredged or fill material is involved. Also, identify any structure to be constructed on a fill, piles, or float-supported platforms.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 18.

**Block 19. Proposed Project Purpose.** Describe the purpose and need for the proposed project. What will it be used for and why? Also include a brief description of any related activities to be developed as the result of the proposed project. Give the approximate dates you plan to both begin and complete all work.

**Block 20. Reasons for Discharge.** If the activity involves the discharge of dredged and/or fill material into a wetland or other waterbody, including the temporary placement of material, explain the specific purpose of the placement of the material (such as erosion control).

**Block 21. Types of Material Being Discharged and the Amount of Each Type in Cubic Yards.** Describe the material to be discharged and amount of each material to be discharged within Corps jurisdiction. Please be sure this description will agree with your illustrations. Discharge material includes: rock, sand, clay, concrete, etc.

**Block 22. Surface Areas of Wetlands or Other Waters Filled.** Describe the area to be filled at each location. Specifically identify the surface areas, or part thereof, to be filled. Also include the means by which the discharge is to be done (backhoe, dragline, etc.). If dredged material is to be discharged on an upland site, identify the site and the steps to be taken (if necessary) to prevent runoff from the dredged material back into a waterbody. If more space is needed, attach an extra sheet of paper marked Block 22.

**Block 23. Is Any Portion of the Work Already Complete?** Provide any background on any part of the proposed project already completed. Describe the area already developed, structures completed, any dredged or fill material already discharged, the type of material, volume in cubic yards, acres filled, if a wetland or other waterbody (in acres or square feet). If the work was done under an existing Corps permit, identify the authorization, if possible.

**Block 24. Names and Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Project Site.** List complete names and full mailing addresses of the adjacent property owners (public and private) lessees, etc., whose property adjoins the waterbody or aquatic site where the work is being proposed so that they may be notified of the proposed activity (usually by public notice). If more space is needed, attach an extra sheet of paper marked Block 24.

**Information regarding adjacent landowners is usually available through the office of the tax assessor in the county or counties where the project is to be developed.**

**Block 25. Information about Approvals or Denials by Other Agencies.** You may need the approval of other federal, state, or local agencies for your project. Identify any applications you have submitted and the status, if any (approved or denied) of each application. You need not have obtained all other permits before applying for a Corps permit.

**Block 26. Signature of Applicant or Agent.** The application must be signed by the owner or other authorized party (agent). This signature shall be an affirmation that the party applying for the permit possesses the requisite property rights to undertake the activity applied for (including compliance with special conditions, mitigation, etc.).

## DRAWINGS AND ILLUSTRATIONS

### General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross-Section Map. Identify each illustration with a figure or attachment number.

Please submit one original, or good quality copy, of all drawings on 8½ x 11 inch plain white paper (tracing paper or film may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations.

Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross-section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT  
(33 CFR 325)

OMB APPROVAL NO. 0710-003  
Expires October 1996

Public reporting burden for this collection of information is estimated to average 5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Project (0710-0003), Washington, DC 20503. Please DO NOT RETURN your form to either of those addresses. This form is to be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

SAMPLE

Authority: 33 USC 401, Section 10; 1413, Section 10. These laws require permits authorizing activities in, or affecting, navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Information provided on this form will be used in evaluating the application for a permit. Disclosure: Disclosure of requested information is required by law. If information is not provided, however, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO. assigned by Corps	2. FIELD OFFICE CODE assigned by Corps	3. DATE RECEIVED assigned by Corps	4. DATE APPLICATION COMPLETED assigned by Corps
---	---	---------------------------------------	--

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME Fred R. Harris	8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required) None
6. APPLICANT'S ADDRESS 852 West Branch Road Elm Junction, SD 57900	9. AGENT'S ADDRESS
7. APPLICANT'S PHONE NOS. W/AREA CODE a. Residence 605-777-3000 b. Business	10. AGENT'S PHONE NOS. W/AREA CODE a. Residence b. Business

11. STATEMENT OF AUTHORIZATION

I hereby authorize, \_\_\_\_\_ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

APPLICANT'S SIGNATURE

DATE

NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Harris Bank Stabilization	
13. NAME OF WATERBODY, IF KNOWN (if applicable) Blue Lake	14. PROJECT STREET ADDRESS (if applicable) 852 West Branch Road
15. LOCATION OF PROJECT Washabaugh COUNTY SD STATE	

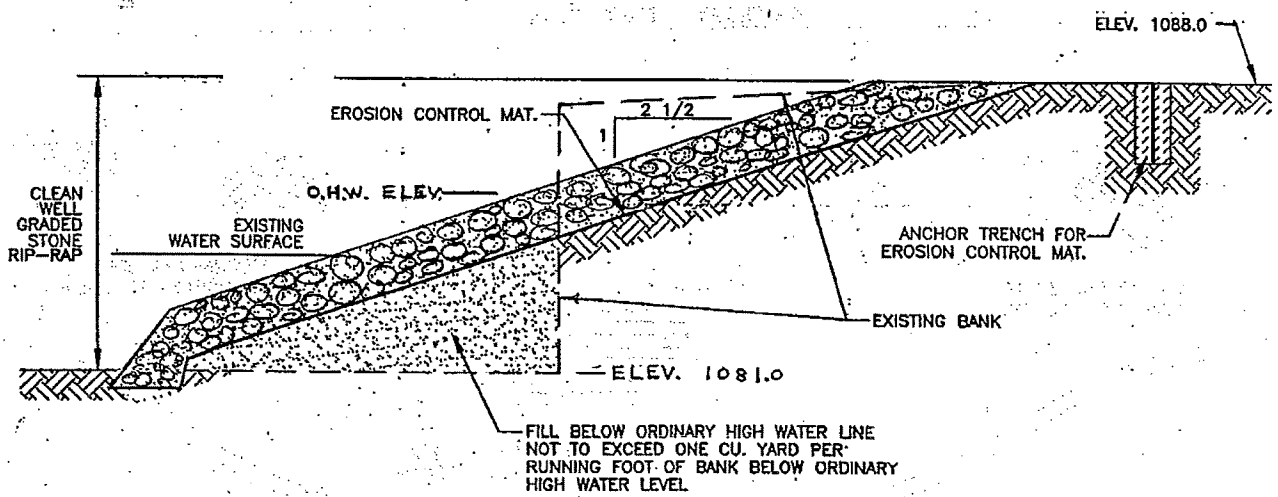
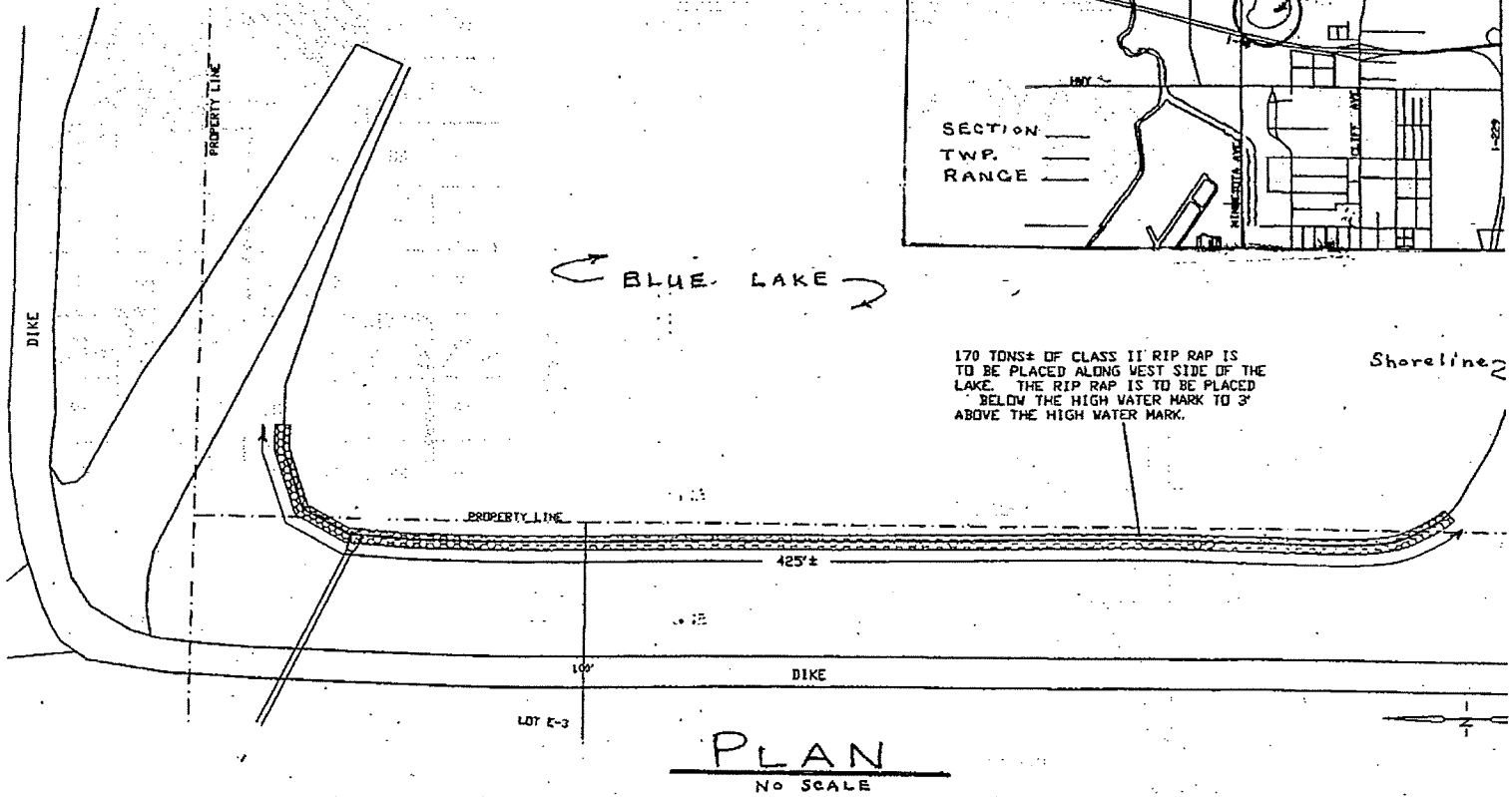
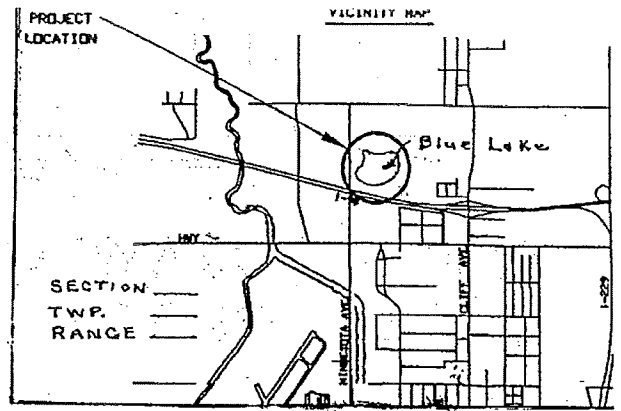
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN, (see instructions) LEGAL DESCRIPTION

Southeast Quarter, Section 12, Township 42 North, Range 37 West

17. DIRECTIONS TO THE SITE

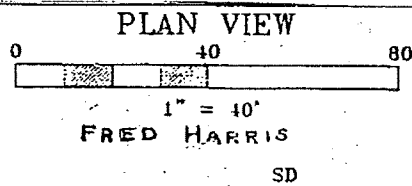
5 miles west and 2 miles south of Elm Junction, SD

# SAMPLE DRAWING BANK STABILIZATION



**SECTION A-A TYPICAL**  
NOT TO SCALE

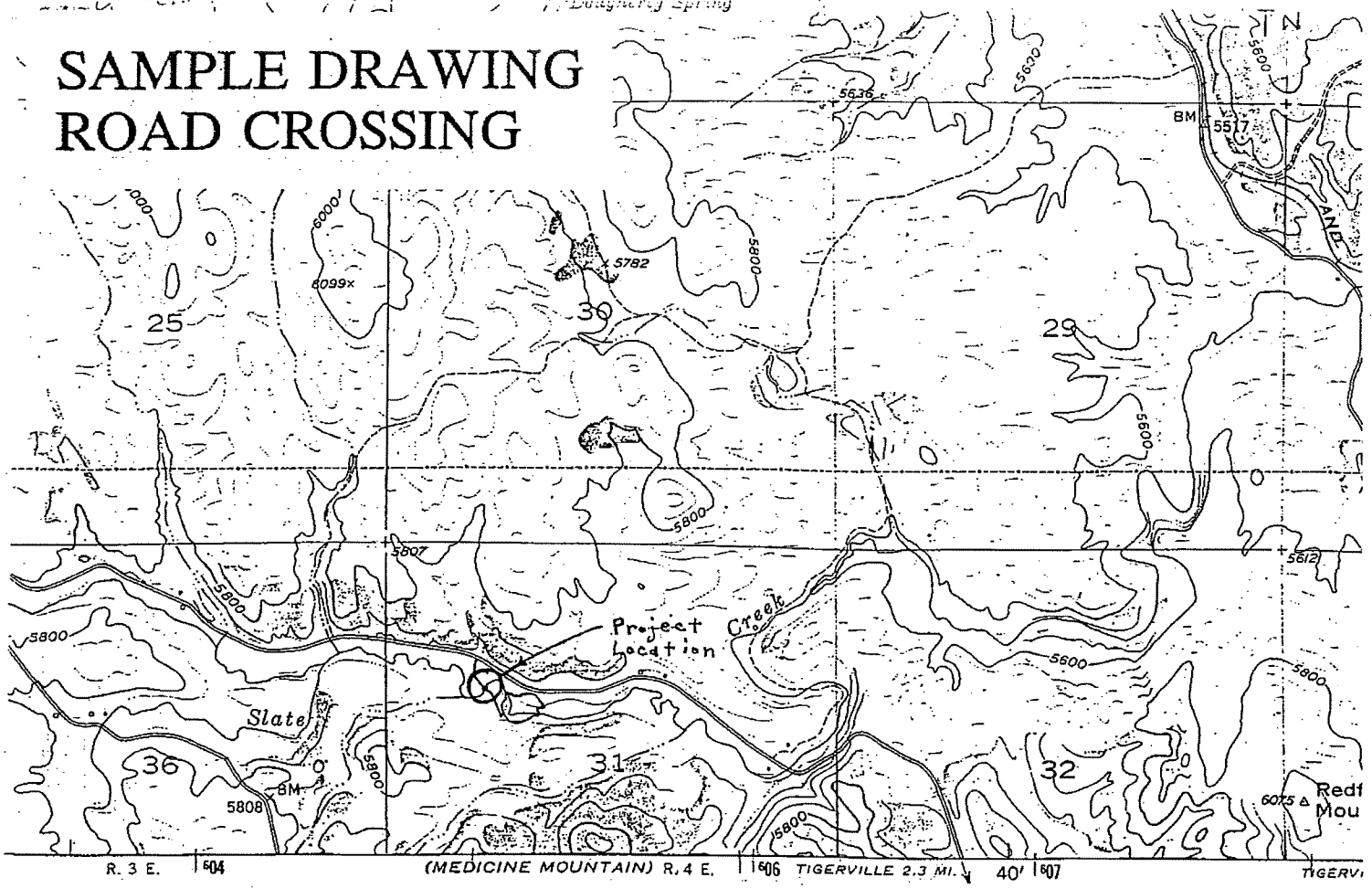
PURPOSE: SHORELINE STABILIZATION  
 DATUM: NGVD 1929  
 ADJACENT PROPERTY OWNERS:  
 1.  
 2.  
 3.



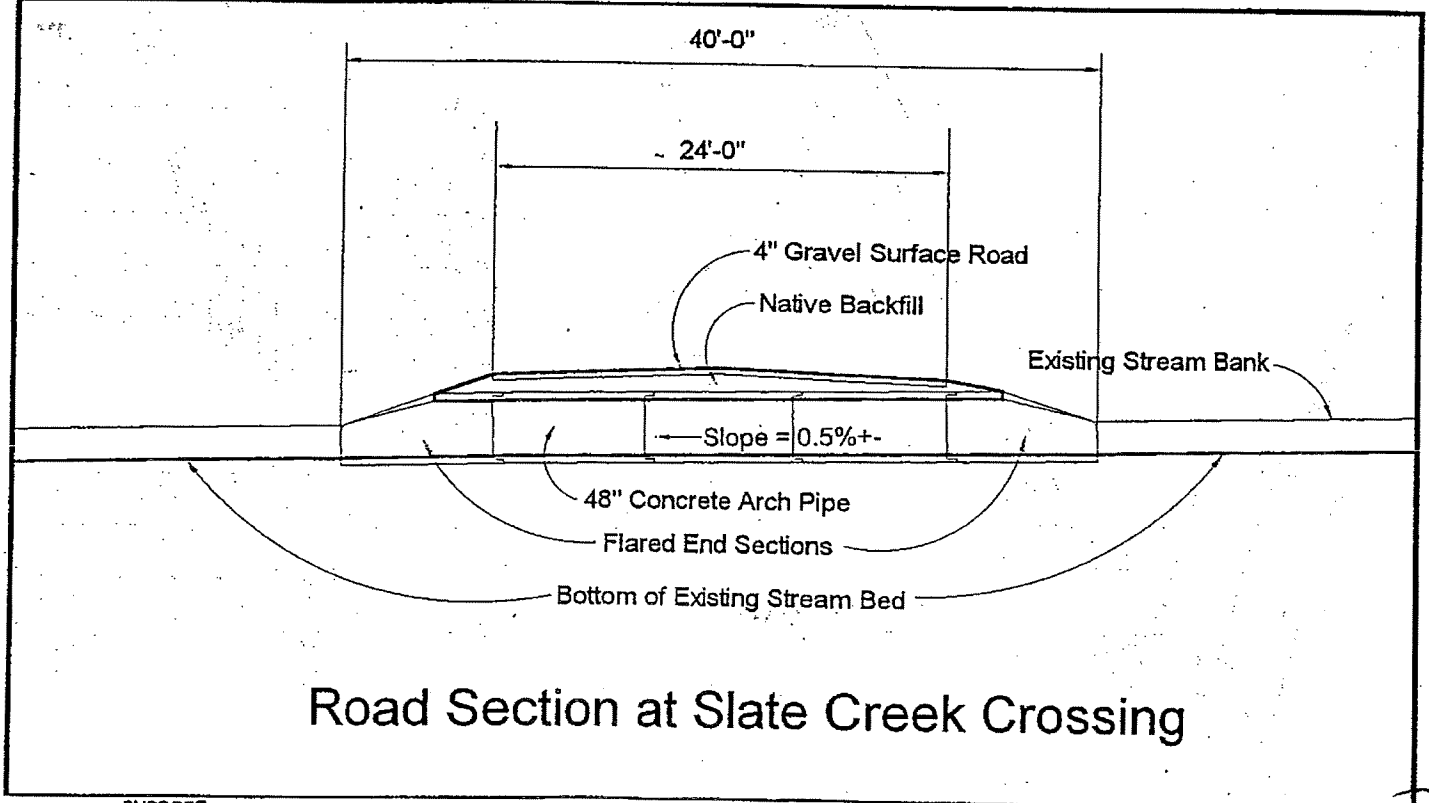
PROPOSED SHORELINE STABILIZATION  
 IN: Blue Lake  
 AT: Elm Junction  
 COUNTY OF: GRANT STATE: SD  
 APPLICATION BY:  
 FRED HARRIS

SHEET 1 OF 1 DATE: AUGUST 1998

# SAMPLE DRAWING ROAD CROSSING



LOCATION MAP



Road Section at Slate Creek Crossing

PURPOSE:  
ROAD CROSSING

IN Slate Creek  
AT Silver City  
COUNTY OF Pennington  
APPLICATION BY Smith  
STATE South Dak.  
SHEET 1 OF 2 DATE APRIL, '94





May 9, 2007

Alice Whitebird  
Department of Transportation  
700 E Broadway Avenue  
Pierre SD 57501-2586

**SECTION 106 PROJECT CONSULTATION – IDENTIFICATION/EVALUATION**

Project: 070508001F – EM 4411(01) PCN 00RV -20<sup>th</sup> Ave SE from US81 to 29<sup>th</sup> St. SE  
Segments 1 of the South Connector @ Watertown and EM 4020(01) PCN 00RW- New  
Street from SD20 to US81 (Segment 2 of the South Connector @ Watertown) and  
Segment 3.

Location: Codington Counties  
(FHWA/DOT)

Dear Ms. Whitebird:

Thank you for the opportunity to comment on the above referenced project pursuant to section 106 of the National Historic Preservation Act of 1966 (as amended). The South Dakota Office of the State Historic Preservation Officer (SHPO) is currently unable to comment on the effect of your proposed undertaking on the non-renewable cultural resources of South Dakota.

The SHPO received your correspondence on May 7, 2007, concerning the proposed road construction in Codington County, South Dakota. To assess the potential impacts of this project the SD SHPO requests that more information be provided. We request more information regarding the 2 grain silos associated with the Wickard House, the surrounding barn and outbuildings and specifically, what is their construction and relationship to the silos, if they should be included in the area of potential effect and what will be done with them (ie: will they be demolished or moved etc).

Should you require additional information, please contact Amy Rubingh, Review and Compliance Archaeologist, at (605) 773-8370. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,

Jay D. Vogt  
State Historic Preservation Officer

Office of Tourism  
Governor's Office of Economic  
Development  
Tribal Government Relations  
1 E. Wells Ave. / Pierre, SD 57501-2291  
Phone: 605-773-3301 / Fax: 605-773-3256  
travelsd.com / sdgreatprofits.com /  
sdtribalrelations.com

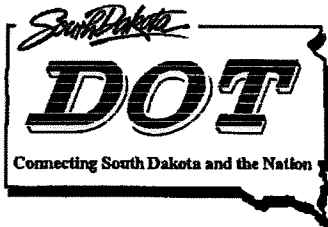
  
Amy Rubingh

South Dakota Arts Council  
Review and Compliance Archaeologist  
900 Governors Dr. / Pierre, SD 57501-2201  
Phone: 605-773-3131 or 1-800-423-6965 in S.D.  
Fax: 605-773-6962  
sdac@state.sd.us / sdarts.org

South Dakota State  
Historical Society  
900 Governors Dr. / Pierre, SD 57501-2217  
Phone: 605-773-3458 / Fax: 605-773-6041  
sdhistory.org

South Dakota Housing  
Development Authority  
PO Box 1237 / Pierre, SD 57501-1237  
Phone: 605-773-3181 / Fax: 605-773-5154  
sdhda.org





Department of Transportation  
Office of Project Development  
700 E Broadway Avenue  
Pierre, South Dakota 57501-2586 605/773-3268  
FAX: 605/773-6608

May 30, 2007

Ms. Amy Rubingh  
Section 106 Review and Compliance  
South Dakota State Historical Society  
900 Governors Drive  
Pierre, SD 57501-2217

Subject: Watertown South Connector Route – 20<sup>th</sup> Avenue South from US81 to 29<sup>th</sup> Street SE  
and 29<sup>th</sup> SE from 20<sup>th</sup> Avenue to 1500' of US212 (Segment 1)  
Codington County, South Dakota

Dear Ms. Rubingh:

An early coordination letter concerning the Watertown South Connector Route dated June 21, 2006 was sent to your office. To support the proposed project, a cultural resources survey was conducted by The Archeology Laboratory; the original report and addendum summarizing the findings and proposed effect determinations were submitted to you under separate cover. We are currently working on the Environmental Assessment (EA) for Segment 1 and are soliciting your feedback on the surveys and their conclusions. Below is a summary from the preliminary draft of the EA that addressed the findings of the survey.

A records search indicated that at least four known archeological sites were located within or near the Study Area of the South Connector Route. No new archaeological sites were found within the Study Area for Segment 1, and only one of the four known sites (the former Chicago and Northwest Railroad, Site 39CD2003) is within the boundaries of the Segment 1 Study Area. The site is considered potentially eligible for the NRHP due to its potential to yield, or having yielded, information important in history (Criterion D) and could also be eligible under Criterion A for its association with events that have made a significant contribution to the broad patterns of our history (i.e., railroad development). However, the portion of the railroad in the Study Area has been reclaimed (removed), is being used for crop production, and lacks the physical integrity that would contribute to its status as a Criterion D NRHP eligible property. No traces of railroad occupancy (tracks or grade) were observed during the field survey. Even though the lack of rail and grade (and lack of association with other railroad-related features) impact the physical integrity of the proposed crossing area, the area is still considered eligible for the NRHP under Criterion A.

A farmstead immediately south of 20<sup>th</sup> Avenue South at 23<sup>rd</sup> Street Southeast was evaluated for historic significance because relocation/acquisition of the house and some farm buildings was considered. The historic property survey determined that the property is not eligible for the NRHP. A modular home located north of 20<sup>th</sup> Avenue South is planned for relocation, but is of recent construction and is not a historic property.

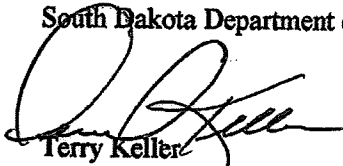
Construction of Segment 1 of the South Connector Route would impact the Chicago and Northwestern Railroad site. However, direct impacts from the Segment 1 Project, as well as

indirect effects such as noise and a change in the visual environment, would not result in an adverse affect because the Project would not alter characteristics that make the property significant or diminish the property's integrity. Consequently, the proposed finding for compliance with Section 106 requirements is "No Adverse Effect" to historic property 39CD2003.

FHWA intends to make a Section 4(f) de minimis finding based upon their concurrence in the Section 106 determination of "No Adverse Effect". Please review the submitted information and provide effect determinations for the Segment 1 portion of the South Connector Project. Feel free to call me with questions at my number listed below.

Sincerely,

South Dakota Department of Transportation



Terry Keller  
Environmental Supervisor  
(605) 773-3721

cc Ginger Massie - Federal Highway Administration

June 20, 2007

Amy Rubingh  
Review and Compliance Archaeologist  
South Dakota State Historical Society  
900 Governors Drive  
Pierre, SD 57501

Re: Watertown South Connector Roadway Project

Dear Ms. Rubingh:

Thank you for your response letter of May 9, 2007 regarding the Watertown South Connector Project.

As requested, additional photographs of the Wickard farmstead, particularly of the buildings, are submitted to you on the CD enclosed with this letter. These photos were taken on June 12, 2007. The file name indicates the direction the camera was facing when taking the photo.

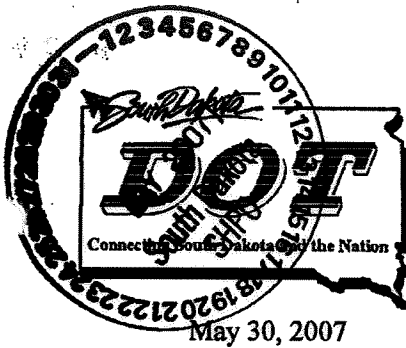
Thank you for your consideration of this project. Please let me (or Alice Whitebird or Terry Keller at SDDOT) know if you need any additional information.

Sincerely,  
HDR ENGINEERING, INC.

*James Unruh*  
James Unruh, P.E.  
Project Manager

Enclosure

Copies to: Alice Whitebird, SDDOT  
Terry Keller, SDDOT



Department of Transportation  
Office of Project Development  
700 E Broadway Avenue  
Pierre, South Dakota 57501-2586 605/773-3268  
FAX: 605/773-6608

Ms. Amy Rubingh  
Section 106 Review and Compliance  
South Dakota State Historical Society  
900 Governors Drive  
Pierre, SD 57501-2217

Subject: Watertown South Connector Route – 20<sup>th</sup> Avenue South from US81 to 29<sup>th</sup> Street SE  
and 29<sup>th</sup> SE from 20<sup>th</sup> Avenue to 1500' of US212 (Segment 1)  
Codington County, South Dakota

Dear Ms. Rubingh:

An early coordination letter concerning the Watertown South Connector Route dated June 21, 2006 was sent to your office. To support the proposed project, a cultural resources survey was conducted by The Archeology Laboratory; the original report and addendum summarizing the findings and proposed effect determinations were submitted to you under separate cover. We are currently working on the Environmental Assessment (EA) for Segment 1 and are soliciting your feedback on the surveys and their conclusions. Below is a summary from the preliminary draft of the EA that addressed the findings of the survey.

A records search indicated that at least four known archeological sites were located within or near the Study Area of the South Connector Route. No new archaeological sites were found within the Study Area for Segment 1, and only one of the four known sites (the former Chicago and Northwest Railroad, Site 39CD2003) is within the boundaries of the Segment 1 Study Area. The site is considered potentially eligible for the NRHP due to its potential to yield, or having yielded, information important in history (Criterion D) and could also be eligible under Criterion A for its association with events that have made a significant contribution to the broad patterns of our history (i.e., railroad development). However, the portion of the railroad in the Study Area has been reclaimed (removed), is being used for crop production, and lacks the physical integrity that would contribute to its status as a Criterion D NRHP eligible property. No traces of railroad occupancy (tracks or grade) were observed during the field survey. Even though the lack of rail and grade (and lack of association with other railroad-related features) impact the physical integrity of the proposed crossing area, the area is still considered eligible for the NRHP under Criterion A.

A farmstead immediately south of 20<sup>th</sup> Avenue South at 23<sup>rd</sup> Street Southeast was evaluated for historic significance because relocation/acquisition of the house and some farm buildings was considered. The historic property survey determined that the property is not eligible for the NRHP. A modular home located north of 20<sup>th</sup> Avenue South is planned for relocation, but is of recent construction and is not a historic property.


Construction of Segment 1 of the South Connector Route would impact the Chicago and Northwestern Railroad site. However, direct impacts from the Segment 1 Project, as well as

indirect effects such as noise and a change in the visual environment, would not result in an adverse affect because the Project would not alter characteristics that make the property significant or diminish the property's integrity. Consequently, the proposed finding for compliance with Section 106 requirements is "No Adverse Effect" to historic property 39CD2003.

FHWA intends to make a Section 4(f) de minimis finding based upon their concurrence in the Section 106 determination of "No Adverse Effect". Please review the submitted information and provide effect determinations for the Segment 1 portion of the South Connector Project. Feel free to call me with questions at my number listed below.

Sincerely,

South Dakota Department of Transportation

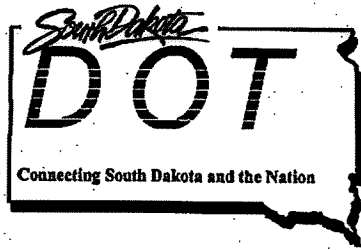
  
Terry Keller  
Environmental Supervisor  
(605) 773-3721

**SECTION 106 DETERMINATION**  
Based upon the information provided to the South Dakota State Historic Preservation Office on 5/8/07 & 5/31/07 & 6/12/07 we concur with your agency's determination of "No Adverse Effect" for this undertaking.  
Gary D. Vogt  
State Historic Preservation Officer (SHPO)  
By: Amy Rubenick  
7/10/07 09-0508/001F  
Date SHPO Project #

cc Ginger Massie - Federal Highway Administration

Pursuant to 36 CFR part 800.13, 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).



## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

Natalie Gates, Ecological Services  
US Fish & Wildlife Service  
420 Garfield – Suite 400  
Pierre, SD 57501-5408

Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Natalie:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

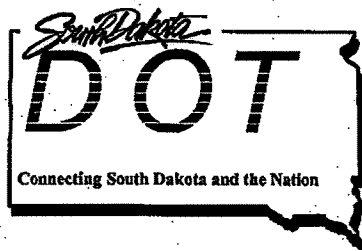
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,

A handwritten signature in black ink, appearing to read 'Terrence G. Keller', is written over a horizontal line.

Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV



## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

Jerome Schaar  
State Soil Scientist  
USDA-NRCS  
Federal Building  
200 Fourth Street SW  
Huron, SD 57350-2475

Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Jerome:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

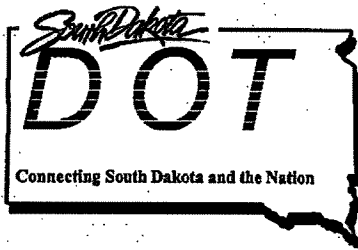
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,

  
Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV





## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

Michelle Saxman  
SD Division of Emergency Management  
118 East Capitol Avenue  
Pierre, SD 57501

Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Michelle:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

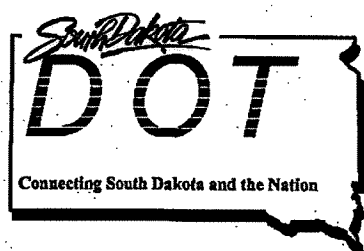
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,

A handwritten signature in dark ink, appearing to read 'Terrence G. Keller', is written over the typed name.

Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV



## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

John Miller, Environmental Program Scientist  
Surface Water Quality Program  
SD Department of Environment and Natural Resources  
Joe Foss Building, 523 East Capitol Avenue  
Pierre, SD 57501

Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear John:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

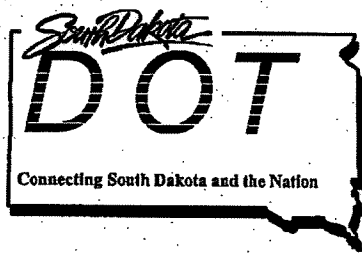
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,

A handwritten signature in black ink, appearing to read 'Terrence G. Keller', is written over the typed name.

Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV



**Department of Transportation**  
**Division of Planning/Engineering**  
**Office of Project Development**  
**700 E Broadway Avenue**  
**Pierre, South Dakota 57501-2586 605/773-3721**  
**FAX: 605/773-6608**

May 7, 2007

Leslie Peterson  
Aquatic Resource Coordinator  
SD GF&P  
Pierre, SD 57501

Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Leslie:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

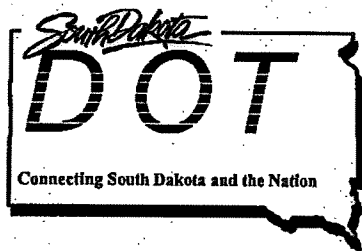
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,

A handwritten signature in black ink, appearing to read 'Terry Keller', is written over a printed name.

Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV



## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

Amy Rubingh

Review and Compliance Archaeologist

State Historic Preservation Office

SD Dept. of Tourism & State Development

900 Governors Drive

Pierre, SD 57501

Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Amy:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

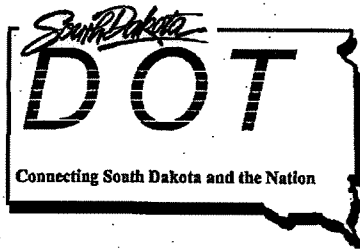
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,

A handwritten signature in black ink, appearing to read 'Terrence G. Keller', is written over a faint, larger version of the same signature.

Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV



## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

Ginger Massie, Environmental Engineer

Federal Highway Administration

116 East Dakota Avenue

Pierre, SD 57501-3110

Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Ginger:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

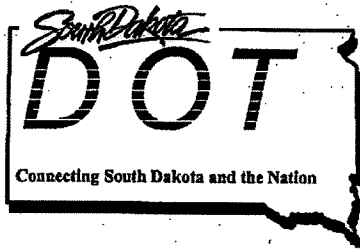
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,

Terrence G. Keller

Environmental Supervisor

Cc: file 00RV



## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

Ginger Massie, Environmental Engineer  
Federal Highway Administration  
116 East Dakota Avenue  
Pierre, SD 57501-3110

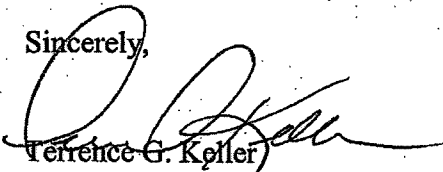
Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Ginger:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

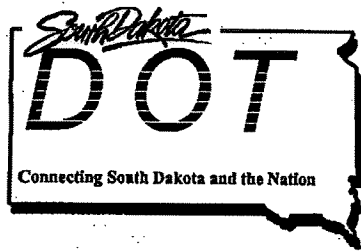
Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,



Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV



## Department of Transportation

Division of Planning/Engineering

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3721

FAX: 605/773-6608

May 7, 2007

Steve Naylor

U.S. Army Corps of Engineers

28563 Powerhouse Road, Room 118

Pierre, SD 57501

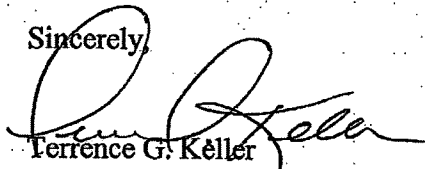
Re: Watertown South Connector Route, 20<sup>th</sup> Avenue from U.S. Highway 81 to 29<sup>th</sup> Street SE  
And 29<sup>th</sup> Street SE from 20<sup>th</sup> Avenue South to 1500 feet from U.S. Highway 212  
EM 4411(01), PCN 00RV

Dear Steve:

Enclosed please find the draft Environmental Assessment, dated January, 2007. Transmittal of this document may have encountered several administrative issues and, therefore, may not have made its way to your agency for review and comment. This is the project which was formerly named Segment 1 and was PCN 000Y. When title and PCN changes were made, our system didn't identify these as the same projects and staff didn't pick up on it either.

Some comments have been received from review agencies early in the process, but comments have not received comments on this document. Please review and comment at your earliest convenience. If you have questions or comments, please contact me by phone at 605-773-3721 or via email at [terry.keller@state.sd.us](mailto:terry.keller@state.sd.us).

Sincerely,



Terrence G. Keller  
Environmental Supervisor

Cc: file 00RV

June 22, 2007

Rick Schlechter, P.E.  
Planning and Zoning Department  
City of Watertown  
23 2<sup>nd</sup> Street NE; Box 910  
Watertown, SD 57201

Jim Oehlerking  
US Army Corps of Engineers  
SD Regulatory Office  
28563 Powerhouse Road  
Pierre, SD 57501

Re: Watertown South Connector Roadway Project

Dear Mr. Schlechter and Mr. Oehlerking:

A draft Environmental Assessment (EA) has been prepared for the Watertown South Connector from US Highway 81 to 29<sup>th</sup> Street Southeast (commonly referred to as "Segment 1"). Copies of the full EA have previously been submitted to the City of Watertown and the US Army Corps of Engineers. You may have seen and/or reviewed a copy of the full EA.

Enclosed with this letter are several specific items from the EA related to the proposed South Connector bridge crossings over the Big Sioux River and Willow Creek. These items include:

- Figure 2-1 – Alignment Options
- Section 3.15 – Floodplain
- Section 3.18 – Wetlands and other Waters of the U.S.
- Figure 3-3 – Floodplain and Regulated Materials
- Figure 3-5 – Wetlands and Other Waters of the U.S.
- Appendix G – Big Sioux River Hydraulics and Bridge Technical Memorandum
- Appendix H – Willow Creek Hydraulics and Bridge Technical Memorandum

Your review of the above elements and comments regarding the following topics are specifically requested:

- Anticipated permit requirements
- Preferred Big Sioux River bridge length. (Six bridge length options were developed and analyzed; the 365' long option was recommended.)
- Hydraulic analysis
- Floodplain and floodway impacts

Please contact me or Terry Keller (at SDDOT) if you have any specific questions.

Sincerely,  
HDR ENGINEERING, INC.



James Unruh, P.E.  
Project Manager

Enclosure

Copies to: Ginger Massie, FHWA  
Terry Keller, SDDOT  
Herb Blomquist, Watertown





# CITY OF WATERTOWN

23 Second St. NE • P.O. Box 910 • Watertown, South Dakota 57201-0910  
Website: [www.watertownsd.us](http://www.watertownsd.us)

**WATERTOWN**  
South Dakota's Rising Star

July 11, 2007

RECEIVED JUL 12 2007

Mr. James Unruh, PE  
HDR Engineering, Inc.  
6300 S. Old Village Place  
Suite 100  
Sioux Falls, SD 57108-2102

Re: Watertown South Connector Roadway Project

Dear Mr. Unruh:

This letter contains my review comments solicited in your June 22 letter pertaining to portions of the project's environmental assessment document germane to hydraulics, floodplain management, anticipated permit requirements, and the city's preference as to the length of the Big Sioux River bridge.

- Hydraulic analyses based on the Federal Emergency Management Agency's model conducted by the US Army Corps of Engineers for Watertown's flood insurance rate map update, and the City's March 2001 Willow Creek Floodplain Study conducted under contract with Banner Associates, indicates appropriate use of best available information of which I am aware.
- In my opinion, the 365-foot-long bridge recommended by HDR Engineering for the Big Sioux River crossing meets the intent of "no rise". While there may be other projects in which I may take a more literal position, in consideration of the public benefit the project provides; assumptions and limitations involved in the art and science of hydraulic modeling; city decision maker guidance as to what is reasonable; and potential disbenefits to adjoining landowners, wetland resources, and the taxpayer in general of other alternatives, the 365-foot bridge is a very reasonable solution in this instance.
- Based on the data in table H-1, the 100-foot bridge recommended for the Willow Creek crossing meets the "no rise" requirement.

Mayor  
605-882-6204  
Fax 605-882-5214

Building & Planning  
Department  
605-882-6201  
Fax 605-882-5264

City Attorney  
605-882-6200  
Fax 605-882-5214

Engineering Dept.  
605-882-6202  
Fax 605-882-5264

Finance Office  
605-882-6203  
FAX 605-882-6218

Fire Department  
605-886-4733  
FAX 605-886-0795

Information Technology  
605-882-6200  
FAX 605-882-5264

Library  
605-882-6220  
FAX 605-882-6221

Mt. Hope Cemetery  
605-882-6208

Park, Rec &  
Forestry Dept.  
605-882-6260  
FAX 605-882-5204

Police Dept.  
605-882-6210  
FAX 605-882-6216

Public Works Dept.  
605-882-6204  
Fax 605-882-5264

Regional Airport  
605-882-6209  
Fax 605-882-5285

Solid Waste Dept.  
605-882-6219  
Fax 605-882-6375

Street Dept.  
605-882-6207

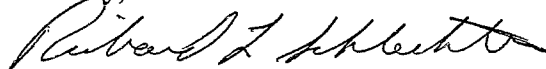
Watertown  
Community  
Recreation Center  
605-882-6250  
FAX 605-882-6254

Waste Water  
Treatment Facility  
605-882-6243  
FAX 605-882-6242

- In addition to the US Army Corps of Engineers 404 permit and SD Department of Environment and Natural Resources (SDDENR) 401 certification, the following permits will be required:
  - floodplain development permit from the city of Watertown;
  - for land disturbing activities that affect more than 1 acre, coverage under SDDENR's General Permit for Storm Water Discharges from Construction Activities; and
  - for construction activities in the 2008 or later construction seasons within the city limits that disturb more than 1 acre, a storm water phase 2 permit from the city of Watertown.
- Other General Comments
  - page 3-19, section 3.15.1 – Note that the City of Watertown's current effective Flood Insurance Study (FIS) and Flood Insurance Rate Map (FIRM) are dated July 4, 1989; and include designated flood hazard areas for the Big Sioux River, Lake Kampeska, and Roby Creek. The city's current effective FIS & FIRM do not include special flood hazard areas for Willow Creek.
  - Watertown completed the Willow Creek Flood Plain Study under contract with Banner Associates in March 2001. The Study identifies the 1% chance flood boundaries, the 0.2% chance flood boundaries, the FEMA-defined "floodway", and Watertown's base flood conveyance corridor which illustrates the allowable floodplain encroachment for a "no rise" (0.1' increase in BFE) condition. Incorporation of this study map and information into Watertown's digital FIRM is currently underway through the city's partnership and participation in the map modernization program. Though not yet official in FEMA-NFIP terms, the city of Watertown and Codington County have adopted the Willow Creek Flood Plain Study and associated floodplain ordinance regulations to implement the "no rise" floodplain development and management concept. The Willow Creek flood damage prevention ordinance is found at Chapter 5.02A of Watertown's Revised Ordinances available on-line at [www.watertownsd.us](http://www.watertownsd.us).
  - The effective, official FEMA-NFIP flood hazard areas for Willow Creek are mapped as zone A on Codington County's February 1, 1986 FIRM; whereas the discussion in 3.15.1 indicates a FEMA date of 1989. It is the existing FEMA-designated special flood hazard areas that are mapped on Figure 3-3, Figure G-3, and Figure H-3.
  - With reference to the discussion in Appendix H, the effective, official FEMA-NFIP flood hazard areas for Willow Creek are mapped as zone A on Codington County's February 1, 1986 FIRM (not the city's July 4, 1989 FIRM). It seems that it is these areas that are included in Figure H-3, not "*the areas of flooding that are anticipated to be incorporated into updated floodplain maps...*"

Thank you for the opportunity to comment. Of course, if you have questions of me as a result of this letter, please feel free to contact me at (605) 882-6201, ext. 29, or by email at [rickschlechter@watertownsd.us](mailto:rickschlechter@watertownsd.us).

Sincerely,



Richard L. Schlechter

Copies to: Herb Blomquist, Watertown; Terry Keller, SDDOT; Ginger Massie, FHWA; Jim Oehlerking, US Army Corps of Engineers; Michelle Saxman; SDOEM



## Department of Transportation

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3268

FAX: 605/773-6608

12/19/08

Pete Gober, Field Supervisor  
U.S. Fish & Wildlife Service  
402 Garfield – Suite 400  
Pierre, SD 57501-5408

**RE: EM 4411(01); Codington County; PCN 00RV; Structures 15-196-190 and 15-202-190  
Bridge replacement over the Big Sioux River and Willow Creek**

Dear Mr. Gober:

Attached for your review is a Template Biological Assessment and supporting documents for the above mentioned stream crossing project. This project is being submitted to your office for inclusion under the Programmatic Biological Opinion: Stream-Crossing Projects Funded and Administered by the South Dakota Department of Transportation and the Federal Highway Administration, dated 08/12/2008.

Please submit your concurrence and comments by 02/19/2009.

Sincerely,

A handwritten signature in black ink, appearing to read "Nathan Morey", is written over a horizontal line. The signature is fluid and cursive, extending to the right.

Nathan Morey  
Wildlife Biologist  
Environmental Office  
(605) 773-5679

# South Dakota Department of Transportation

## Biological Assessment for:

<b>EM 4411(01)</b>	<b>CODINGTON COUNTY</b>	<b>PCN 00RV</b>	<b>STRUCTURE NUMBER: 15-196-190</b>
--------------------	-------------------------	-----------------	-------------------------------------

<b>1. Project Description:</b>	Bridge replacement		
Type:	Existing: Prestressed Concrete Bridge	Proposed: Prestressed Girder Bridge	
Size:	single span - 48' L	4 span - 370' L	
Construction:	-	Construction practices are consistent with Terms and Conditions of the Opinion	
Impacted Stream Length:	< 50'	Approx 100'	

<b>2. Project Location:</b>	1.0 miles S and 0.5 miles E of Watertown		
Latitude: 44.877	Section(s): 5/8		
Longitude: -97.098	Township(s): T116N		
Stream Name: Big Sioux River	Range(s): R52W		

**3. Eligibility for inclusion under the 08/12/2008 Endangered Species Act Programmatic Formal Section 7 Consultation Biological Opinion regarding Stream-Crossing Projects Administered/Funded by the South Dakota Department of Transportation and the Federal Highway Administration.**

Does this project involve a stream crossing?	YES	<input checked="" type="checkbox"/>	NO	
Is this a State or a County Project?	STATE	<input checked="" type="checkbox"/>	COUNTY	
Does the structure size fit the description of the proposed action as described in the Biological Opinion?	YES	<input checked="" type="checkbox"/>	NO	
Will the construction methods used fit the requirements set forth in the Biological Opinion?	YES	<input checked="" type="checkbox"/>	NO	
Do the affects to federally listed species coincide with those listed in the Biological Opinion? If No, see explanation under Comments in Section 4.	YES	<input checked="" type="checkbox"/>	NO	
Is this project Eligible of inclusion under the Biological Opinion?	YES	<input checked="" type="checkbox"/>	NO	

4. Affects to Listed Species of South Dakota		
SPECIES	DETERMINATION	COMMENTS
TOPEKA SHINER	Likely to Adversely Affect	Due to the close proximity to Willow Creek it is possible that Topeka shiners may be found in the project work area.

**5. Special Provision: The most current version of the Special Provision will be included in the project plans.**

<b>6. Conservation Recommendations:</b>	None
---	------

<b>Additional Comments:</b>	None
-----------------------------	------

Submitted By: Nathan M Morey	Submittal Date: 12/19/08

# South Dakota Department of Transportation

## Biological Assessment for:

<b>EM 4411(01)</b>	<b>CODINGTON COUNTY</b>	<b>PCN 00RV</b>	<b>STRUCTURE NUMBER: 15-202-190</b>
--------------------	-------------------------	-----------------	-------------------------------------

<b>1. Project Description:</b>	Bridge replacement		
Type:	Existing: Tee beam bridge	Proposed: Prestressed girder bridge	
Size:	single span - 59'L	single span - 100' L	
Construction:	-	Construction practices will be consistent with the Terms and Conditions of the Opinion	
Impacted Stream Length:	aprox. 50'	aprox 140'	

<b>2. Project Location:</b>	1.0 miles S and 1.2 miles E of Watertown		
Latitude: 44.877	Section(s): 4/9		
Longitude: -97.084	Township(s): T116N		
Stream Name: Willow Creek	Range(s): R52W		

**3. Eligibility for inclusion under the 08/12/2008 Endangered Species Act Programmatic Formal Section 7 Consultation Biological Opinion regarding Stream-Crossing Projects Administered/Funded by the South Dakota Department of Transportation and the Federal Highway Administration.**

Does this project involve a stream crossing?	YES	<input checked="" type="checkbox"/>	NO	
Is this a State or a County Project?	STATE	<input checked="" type="checkbox"/>	COUNTY	
Does the structure size fit the description of the proposed action as described in the Biological Opinion?	YES	<input checked="" type="checkbox"/>	NO	
Will the construction methods used fit the requirements set forth in the Biological Opinion?	YES	<input checked="" type="checkbox"/>	NO	
Do the affects to federally listed species coincide with those listed in the Biological Opinion? If No, see explanation under Comments in Section 4.	YES	<input checked="" type="checkbox"/>	NO	
Is this project Eligible of inclusion under the Biological Opinion?	YES	<input checked="" type="checkbox"/>	NO	

**4. Affects to Listed Species of South Dakota**

SPECIES	DETERMINATION	COMMENTS
TOPEKA SHINER	Likely to Adversely Affect	The Topeka shiner is a known resident of Willow Creek

**5. Special Provision: The most current version of the Special Provision will be included in the project plans.**

<b>6. Conservation Recommendations:</b>	None
---	------

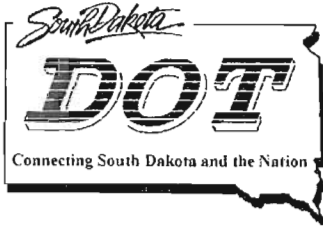
<b>Additional Comments:</b>	None
-----------------------------	------

--	--

Submitted By: Nathan M Morey	Submittal Date: 12/19/08
------------------------------	--------------------------

--	--





# Department of Transportation

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3268

FAX: 605/773-6608

12/19/08

Pete Gober, Field Supervisor  
U.S. Fish & Wildlife Service  
402 Garfield – Suite 400  
Pierre, SD 57501-5408

This constitutes a report of the Department of the Interior prepared in accordance with the Fish and Wildlife Coordination Act (16 U.S.C. 651 et seq.). We have reviewed and have NO OBJECTION to this proposed project.

12-22-08  
Date

Supervisor

**RE: EM 4411(01); Codington County; PCN 00RV; Structures 15-196-190 and 15-202-190  
Bridge replacement over the Big Sioux River and Willow Creek**

Dear Mr. Gober:

Attached for your review is a Template Biological Assessment and supporting documents for the above mentioned stream crossing project. This project is being submitted to your office for inclusion under the Programmatic Biological Opinion: Stream-Crossing Projects Funded and Administered by the South Dakota Department of Transportation and the Federal Highway Administration, dated 08/12/2008.

Please submit your concurrence and comments by 02/19/2009.

Sincerely,

Nathan Morey  
Wildlife Biologist  
Environmental Office  
(605) 773-5679

RECEIVED  
PROJECT DEVELOPMENT

DEC 31 2008