



Environmental Assessment (EA)

For

South Dakota Network, LLC

Project Connect South Dakota

Broadband Technology Opportunities Program (BTOP)

&

***National Telecommunications &
Information Administration
(NTIA)***

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1.1 Executive Summary

South Dakota Network, LLC. (SDN), Sioux Falls, SD has been awarded grant funding from the National Telecommunications and Information Administration (NTIA) through the Broadband Technology Opportunities Program to place new and utilize existing middle mile telecommunication facilities to connect approximately 300 anchor institutions in 92 communities throughout the state of South Dakota – Project Connect South Dakota. When complete the project will connect the proposed anchor institutions with a state-of-the-art redundant fiber network at 10 Mbps speeds. This project is needed in the proposed areas since fiber based facilities are not available to the proposed anchor institutions. The no-action alternative does not meet the needs for the project, and an aerial construction option poses a significant operational challenge for the proposed network.

The project consists of placing approximately 140 miles of backbone network and 219 miles of spur routes connecting the anchor institutions to SDN's backbone. The construction is proposed to take place in existing road rights of way in rural corridors and existing utility easements and boulevards in town/urban corridors. The proposed new construction routes for Project Connect South Dakota have potential impacts to environmental, historical and cultural resources.

SDN has contacted interested environmental and governmental agencies, as well as consulted with NTIA's NEPA coordinator and staff archaeologist on overall project guidance. Each agency was provided with a description and maps of the proposed project showing the area that could be affected by the proposed routing of new and/or replacement fiber optic cable in the state or district. Each agency was given the opportunity to comment on the proposed project and its potential effect on the environment. These agencies are as follows:

- Historical Preservation Office – Federal Governing Body (NTIA), Tribal, and State (South Dakota)
- Tribe Consultation Letters
- US Fish and Wildlife Service
- South Dakota Game and Fish
- South Dakota Department of Environmental and Natural Resources
- Service Wetland Management
- Army Corps of Engineers

These agencies have subsequently submitted responses or permits related to Project Connect South Dakota.

After contacting the commenting agencies and reviewing the proposed construction routes, no significant impacts to the existing environment were found.

1.2 Chapter 1 – Purpose and Need

The proposed project will deliver 10 Mbps broadband speeds to critical anchor institutions within the proposed service area. The project will use American Recovery and Reinvestment Act of 2009 (“ARRA”) funds to add backbone capacity to leverage the existing network of SDN and use ARRA funds to specifically target some intercity fiber deployment in areas where SDN has not placed fiber in the past due to economic infeasibility. SDN estimates that approximately 300 community anchor institutions and public safety agencies will be added to the network.

The locations identified within the application do not currently have access to fiber-based broadband services.

Healthcare providers and the public schools have found that the solution to serving sparse populations is broadband. Currently, state government operates a distance learning school program. This program is accomplished through a wide area network (WAN) for the public K12 and public universities. SDN has supported the efforts of these community anchor institutions to economically deliver critical services across large distances using limited broadband for over a decade.

With the ever expanding capabilities of technology, the need for expanding bandwidth to help community anchor institutions has grown. This project will allow SDN to build a scalable platform to deliver higher bandwidth speeds now and into the future to the community anchor institutions across the state.

The proposed network is shown in Figure 1.

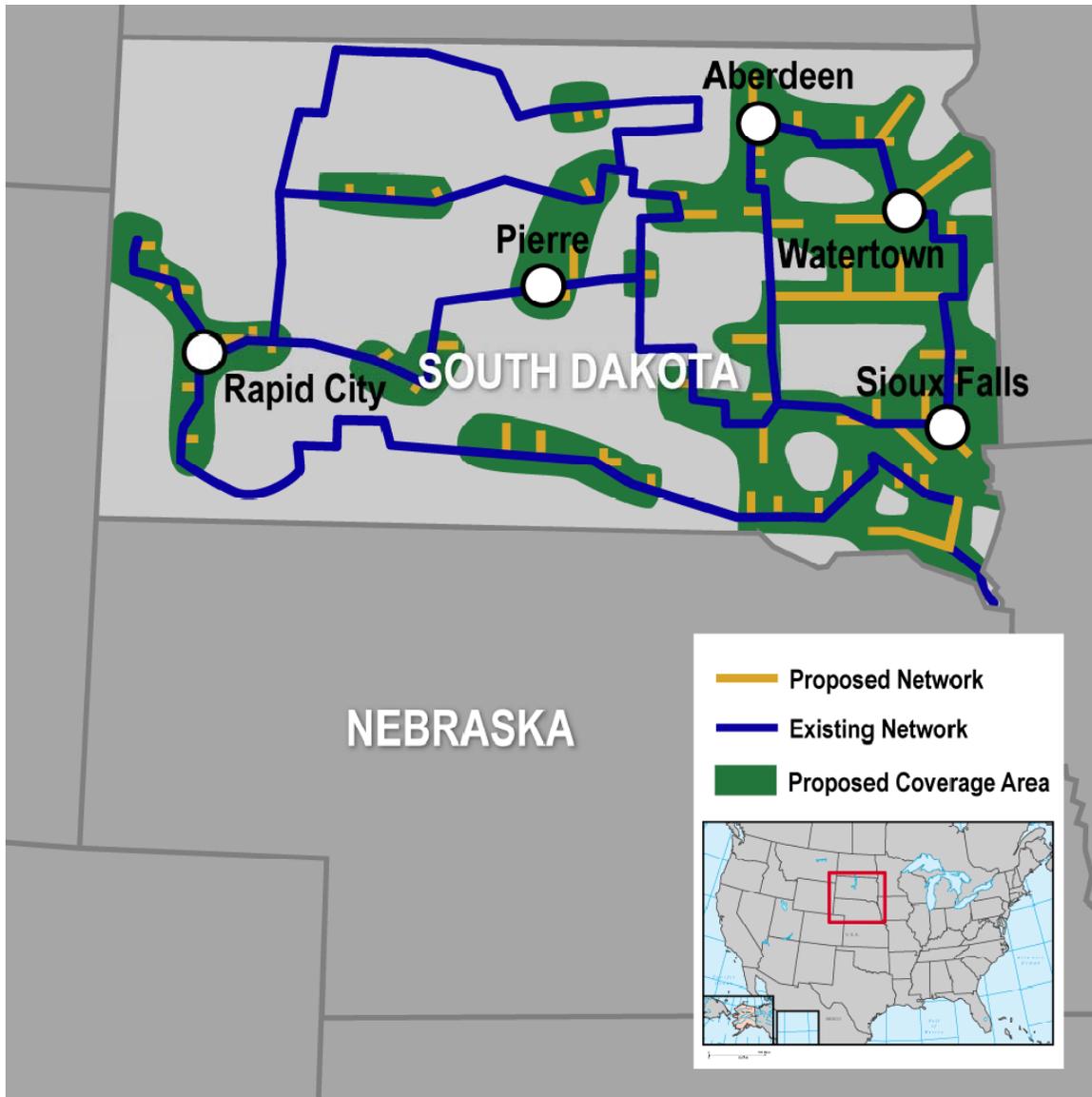


Figure 1: Proposed Project Map (NTIA)

1.3 Chapter 2 – Proposed Action

1.3.1 - Project Description

The proposed project will connect approximately 300 anchor institutions in 92 communities. These institutions will be connected to the existing backbone network operated by SDN by placing approximately 140 miles of backbone network and 219 miles of spur routes, which will be installed in public right-of-way along previously disturbed road way ditches and utility corridors and will be paralleling existing utility lines. These additional sites will be added to the network utilizing the following equipment and techniques.

- The construction equipment required for placement of the new rural facilities will consist of the following:
 - Tracked Plow Cat with Static Plow
 - Tracked Pull Cat
 - Backhoe, 6” to 12” excavation bucket
 - Horizontal Directional Drilling Machines
 - Rubber Tire Vibratory Plow
 - Tracked Clean-up cat
 - Cable Reel Trucks and Trailers
 - Transport Semis
 - 3/4 & 1 Ton Trucks

The placement of rural facilities will normally commence by mid April and extend into late November depending on weather and ground conditions. The operating day will vary but usually will start with starting an hour after sunrise and end a couple hours before sunset.

- The construction equipment required for placement of the new town/urban facilities will consist of the following:
 - Horizontal Directional Drilling Machines
 - Trenchers
 - Backhoe, 6” to 12” Excavation Bucket
 - Small Rubber Tire Lawn Vibratory Plow
 - Cable Reel Trucks and Trailers
 - Transport Semis
 - 3/4 & 1 Ton Trucks

The placement of town/urban facilities can potentially be installed year round but is very dependent on weather conditions and town/urban restrictions. In recent years, the normal project commencement has been in March and extended into late December/early January. The normal operating day will comply with local city ordinances related to noise with the average day starting around 8:00 am and ending around 6:00 or 7:00 pm.

- In rural areas the techniques that will be used to install the cable will be plowing and directional boring. SDN will not be doing earth moving of any substantial amount of soil. A typical plowing blade, which is not more than 2-3" in width, acts like a knife during plowing and consequently does very minimal temporary disruption to the landscape. Directional boring will also be used to minimize the disruption to the landscape. SDN uses industry standard procedures, follows all state and local entity guidelines for permitting and construction practices to ensure very little impact on the landscape. The depth of the cable is a minimum of 36 inches. The placement of the cable will be approximately at the same vertical extent as the existing cable, which should eliminate the need for subsurface testing. It is the intent of SDN to avoid any potential environmentally or historically significant sites, therefore eliminating the possibility of adverse effects.
- In town/urban areas plowing and directional boring techniques will be used to install the cable in town/urban areas and when entering buildings. SDN will not be doing earth moving of any substantial amount of soil. A typical plowing blade, which is not more than ½ - 1" in width, acts like a knife during plowing and consequently does very minimal temporary disruption to the landscape. Directional boring will also be used to minimize the disruption to the landscape. A small ground level hand hole will be placed at the building, coming up out of the hand hole will be a 1 ¼" riser that will connect to the LB transition box. SDN will then drill a hole, approximately 1 ¼' in diameter through the outside wall of the building in which to feed the cable through to the inside of the building. SDN uses industry standard procedures, follow all state and local entity guidelines for permitting and construction practices to ensure very little impact on the landscape. The depth of our cable is at a minimum of 24 inches. The placement of the cable will be approximately at the same vertical extent as the existing cable.
- Two (2), 11'6" by 20' prefabricated buildings are proposed for the project. These buildings are planned to be placed within existing industrial parks and commercial areas on the outskirts of Vermillion and Lake Preston towns. These buildings are being installed to allow regeneration of transport signals along long fiber routes as well as provide access to specific anchor institutions in the communities referenced above. The prefabricated buildings have an exposed aggregate exterior that blends with the existing landscape. The building will be secured to a floating slab, which will require minimum excavation and grading to create a level surface.

1.3.2 – Alternatives

SDN considered the following alternatives for the proposed project.

- **No Action Alternative**
- **Underground Cable Placement** - Placement of new fiber optic cables underground. Underground cable placement is accomplished by utilizing plowing and directional boring. The cable is either direct plowed or a duct installed via directional boring and the cable pulled through the duct. Hand holes or pedestals are installed where the cable needs to be accessed.

1.3.3 – Preferred Alternative

- **Underground Cable Placement** is the preferred alternative. This construction method allows cable to easily be rerouted in the event an environmental concern is identified. If problems with the environment are discovered and when rerouting the proposed fiber optic cable line can mitigate that problem without causing other more serious problems, SDN will consider rerouting the fiber optic cable and will work with the appropriate agencies to benefit all parties and to ensure minimal impact to the environment. Additionally through the use of directional boring several sensitive environmental issues can be avoided by routing the cable under the critical habitats.

1.3.4 – Alternatives Considered but Eliminated from Further Discussion

- **Aerial construction** is not a feasible alternate for this network since the cable is susceptible to severe weather including icing that can break the cable or poles and cause network outages. In addition, SDN does not currently operate any equipment needed to maintain or repair overhead cable infrastructure.

1.4 Chapter 3 – Existing Environment

- **Noise** – The proposed cable routes are along existing highways or located in towns or urban areas. These areas experience noise from automobiles and other modes of transportation and agricultural related activities on a regular basis. Neither the placement of the buried fiber optic cable nor the operation of the cable to provide data transmission would create any new sources of noise similar to the no action alternative. Therefore, this resource area will not be analyzed further in this document.
- **Air Quality** – The proposed cable routes are along existing highways or located in towns or urban areas. These areas experience air pollution from automobiles and other modes of transportation and agricultural related activities on a regular basis. Neither the placement of the buried fiber optic cable nor the operation of the cable to provide data transmission would create any new sources of emissions into the air similar to the no action alternative. Therefore, this project would not have any impacts to air quality, and this resource area will not be analyzed further in this document.
- **Geology and Soils** – Soils in eastern South Dakota are derived primarily from glacial till, glacial outwash, loess, and lake bottom sediments associated with the Wisconsin glaciations period. Excellent crops can be grown on soils derived from glacial till and lake bottom sediments since the soils form nearly level landscapes, have favorable drainage, good water holding capacity, and good root penetration characteristics. Some soils formed on glacial outwash and moraine deposits are very stony, steep or poorly drained so they are less suitable for cultivation. In the extreme southeastern part of the state, soils were formed on parent materials deposited from an earlier glaciations event. Most eastern South Dakota soils are in the silt, silty loam and silty clay loam textural classes.

Most Central and Western South Dakota soils are in the silt, silty loam, and silty clay loam textural classes reflecting the rock type of the parent materials from which it was derived. Generally, the soil pH of the topsoil is in the slightly acidic to alkaline pH range of 6.5 to 8.2 depending on the drainage and calcium carbonate content. The pH of the subsurface soil is often higher than the topsoil and sometimes has visible salt accumulation, and Na, Mg, or Ca precipitates.

The landscapes in western South Dakota are strongly influenced by erosion activity. Both the northern and southern parts of western South Dakota are known as the "Tablelands" because of the prevalence of plateaus and buttes or mesa. Rock types which are resistant to weathering, cap the butte tops.

The landscapes across the midsection of western South Dakota are formed from the more erodible Pierre shale and the landscapes generally have less distinct features.

The placement of buried fiber optic cables does not alter the soil content and will not limit the ability for farm use. No long term differences between the no action alternative and proposed action were found during the review. Therefore, this project would not have any impacts to geology and soils, and this resource area will not be analyzed further in this document.

- **Water Resources** – Several fresh water emergent wetlands, creeks and rivers are located in the proposed project area. The primary crossings requiring permits are the James River, Vermillion River and Ravine Park Lake.
- **Biological Resources** – The list of federally threatened or endangered species for the project area are as follows.

Whooping Cranes – migrate through South Dakota on their way to northern breeding grounds and southern wintering areas. They occupy numerous habitats such as cropland and pastures; wet meadows; shallow marshes; shallow portions of rivers, lakes and reservoirs, and stock ponds; and both freshwater and alkaline basins for feeding and loafing. Overnight roosting sites frequently require shallow water in which they stand and rest.

Western Prairie Fringed Orchid – has not recently been documented in South Dakota. The plant currently exists in the neighboring states of Nebraska, Minnesota and North Dakota, potential habitat may still be found in South Dakota therefore the potential exists for the Western Prairie Fringed Orchid to be found in this state. The plant is typically associated with intact native prairie, but has also been found on disturbed sites. Potential habitats generally include mesic upland prairies, wet prairies, sedge meadows, sub irrigated prairies and swales in sand dune complexes.

Topeka Shiners – are known to occupy numerous small streams within eastern South Dakota and most are concentrated within the Big Sioux, Vermillion and James Rivers. The Topeka Shiner usually spawns between May 15th and July 31st.

Appendix	Permit / Correspondence
A	List by County of Federally Threatened or Endangered Species

- **Historical and Cultural Resources** – SDN hired an archeologist to perform a Cultural Resources Record Search and Assessment Report. Two routes were reviewed – Volga, SD to Huron, SD and Beresford, SD to Yankton, SD.

The Volga to Huron fiber optic cable route is located in east-central South Dakota and encompasses portions of the Upper Big Sioux, Vermillion Basin and Middle James archaeological management regions. The results of the cultural resources records search in this area indicated that there are six archaeological sites, fifty-two rural buildings, six historic bridge structures, eight cemeteries, and segments of three historic railroads previously recorded in the general vicinity (+/- 1 mile) of the cable route.

Three of the archaeological sites; five rural buildings; three cemeteries; two bridge structures and segments of the historic railroads have been recorded in the immediate vicinity (+/- 500 feet) of the cable route. A review of the proposed route also indicated the construction activities are expected to be undertaken within one mile of three cemeteries and one rural school/township hall. These properties have not been recorded but are identified on the State Archaeological Research Center database maps

The Beresford to Yankton fiber optic cable route is located in southeastern South Dakota and encompasses portions of the Lower Big Sioux, Vermillion Basin, Lower James, and Yankton archaeological management regions. The results of the cultural resources records search in this area indicated that there are ten archaeological sites, sixty-three rural buildings, fifteen historic bridge structures, three rural cemeteries, and segments of three historic railroads previously recorded in the general vicinity (+/- 1 mile) of the cable route.

Nine rural buildings, one rural cemetery, two bridge structures and segments of the historic railroads have been recorded in the immediate vicinity (+/- 500 feet) of the cable route. A review of the proposed route also indicated the construction activities are expected to be undertaken within one mile of three historic town sites and three rural school/township halls. These properties have not been recorded but are identified on the State Archaeological Research Center database maps.

Appendix	Correspondence
B	Cultural Resources Record Search and Assessment Report

- **Aesthetic and Visual Resources** – There are two prefabricated, single story buildings proposed for the project. These buildings are planned to be placed in developed areas on the outskirts of town within industrial parks and commercial areas. The prefabricated buildings have an exposed aggregate exterior that blends with the existing landscape and existing commercial buildings. The buildings are not within the vicinity of any protected areas, state parks or national parks and the building exterior is comparable to existing landscape and buildings. This project would not have any impacts to aesthetic and visual resource and this area will not be analyzed further in this document.
- **Land Use** – The existing land use in the construction corridor consists of previously disturbed utility corridors and public right-of-way. The existing land use in the locations of the prefabricated buildings is commercial / industrial.
- **Infrastructure** – The proposed construction area currently has transportation, water, waste disposal, natural gas, communications and power available.

- **Socioeconomic Resources** – The primary economic factors for South Dakota are agriculture and tourism. Therefore, the proposed project serves areas of the state that have low income and minority populations. These are some of the more sparsely populated areas of the state where broadband access availability is limited or lacks sufficient bandwidth to the network core. The population in South Dakota is approximately 85% White, 5% African American and 10% Native American. South Dakota has a poverty rate of approximately 15%. There are approximately 13 counties with a persistent poverty status in South Dakota. Native Americans account for the majority of the population in 9 counties. Approximately 49 counties in the state are considered medically underserved with Health Professional Shortages of primary care, dental and mental providers and facilities. Of the 49 counties 3 counties have substantial low income population.

- **Human Health and Safety** – There are no known Brownfield sites located within the proposed project area. As previously stated the project will take place along existing highways, towns and urban areas in road way ditches and utility corridors. Traffic and accident information for the proposed project is as follows:
 - Daily Vehicle Miles Traveled (DVMT) along Highway 14 from Huron to Volga, SD is 151,598 and Annual Vehicle Miles Traveled (AVMT) is 55,333,404. Total vehicle crashes along this stretch of highway are 95 with 0 fatal and 9 injury crashes reported.

 - Daily Vehicle Miles Traveled (DVMT) along I-29 from Beresford, SD to South Dakota Highway 50 is 243,638 and Annual Vehicle Miles Traveled (AVMT) is 88,927,834. Total vehicle crashes along this stretch of Interstate are 48 with 0 fatal and 7 injury crashes reported.

 - Daily Vehicle Miles Traveled (DVMT) along South Dakota Highway 50 from I-29 to Vermillion, SD is 33,111 and Annual Vehicle Miles Traveled (AVMT) is 12,085,471. Total vehicle crashes along this stretch of Highway are 21 with 1 fatal and 5 injury crashes reported.

 - Daily Vehicle Miles Traveled (DVMT) along South Dakota Highway 50 from Vermillion to Yankton, SD is 103,010 and Annual Vehicle Miles Traveled (AVMT) is 37,598,760. Total vehicle crashes along this stretch of Highway are 54 with 1 fatal and 13 injury crashes reported.

1.5 Chapter 4 – Environmental Consequences

- Water Resources** – Since the project’s proposed methods for construction are in accordance with SDN’s Storm Water Pollution Prevention Plan (SWPPP), the project will have no or minimal impact to water resources. However, the construction activities have the potential to impact water resources within the project area. Sediment contamination of storm water runoff could enter waters of the state and create a negative environment for water dwelling animals and plant life. Sediment can plug culverts, fill in fish spawning areas, contain nutrients which promote algae growth and aquatic weeds, and can clog the gills of fish. In wetland areas sediment can change wetland vegetation and functions. Erosion and sediment runoff could impact national threatened and endangered species such as the Topeka Shiner by burying the shiners eggs and changing the clarity and temperature of the water.

SDN has developed and put into place a (SWPPP) as part of the National Pollution Discharge Elimination System (NPDES) permit for Storm Water Discharges Associated with Construction Activities. The permit is administered by the South Dakota Department of Environmental and Natural Resources in compliance with the provisions of the South Dakota Water Pollution Control Act and the Administrative Rules of South Dakota Chapters 74:52:01 through 74:52:11. SDN will follow all the Best Management Practices (BMP’s) set forth in the SWPPP in order to maintain erosion and sediment controls.

SDN has also been in contact with the Army Corps of Engineers through the South Dakota Regulatory office and has obtained the appropriate permits, Department of the Army Nationwide Permit No. (12), found in the March 12, 2007 Federal Register (72FR 11092), Reissuance of Nationwide Permits, for crossing rivers, streams and freshwater emergent wetland areas within the proposed project area. The Army Corps of Engineers determined, concerning Section 404 of the Clean Water Act, that of the four (4) permit applications submitted only two (2) permits were required and issued. A determination of “no permit required” was issued for the other two (2) crossings.

Appendix	Permit / Correspondence
C	Storm Water Pollution Prevention Plan
D	General Storm Water Permit
E	Department of Army Nationwide Permit No. (12) Federal Register (72FR 11092)
F	Correspondence from Army Corps. Of Engineers concerning Section 404 of the Clean Water Act

Based upon the responses obtained from the commenting agencies no significant long term effects were identified. By following the guidance of the commenting agencies, SDN will be able to construct the proposed network in a fashion that will have similar results as the no action alternative.

- **Biological Resources** – In accordance with section 7(c) of the Endangered Species Act, as amended, 16 U.S.C. 1531 et seq., SDN has obtained, from the U.S. Fish and Wildlife Service, a list of federally Threatened and Endangered Species that may be present within the project area.

The potential species the proposed construction may impact are:

1. Whooping Cranes – Should construction occur during spring or fall migration, the potential for disturbances to whooping cranes exists. Disturbance (flushing the birds) stresses them at critical times of the year. There is little that can be done to reduce disturbance besides ceasing construction at sites where the birds have been observed. The whooping cranes normally do not stay in any one area for long during migration.
2. Topeka Shiners - Erosion and sediment runoff could impact national threatened and endangered species such as the Topeka Shiner by burying the shiners eggs and changing the clarity and temperature of the water.

The USFWS included recommendations for implementing best management practices to minimize potential impacts to the listed species. The USFWS recommends SDN remain vigilant for Whooping Cranes during construction in the spring and fall months when these birds will be migrating. Also, avoid construction activities during the spawning period (May 15 to July 31) of the Topeka Shiner within the Big Sioux, Vermillion and James River watersheds.

SDN will avoid construction during the timeframes listed for the areas of concern. Based upon the responses obtained from the commenting agencies no significant long term effects were identified. By following the guidance of the commenting agencies, SDN will be able to construct the proposed network in a fashion that will have similar results as the no action alternative.

Erosion and sediment controls will be in place through the SWPPP and General Permit for Storm Water Discharges Associated with Construction Activities issued through the South Dakota Department of Environmental and Natural Resources. SDN has contacted and obtained authorization for placement of fiber optic cable from the Service Wetland Management Districts which exist in and near the proposed project.

Appendix	Permit / Correspondence
G	Mitigation correspondence from U.S Fish and Wildlife Service
H	Correspondence from Wetland Management Districts

- **Historical and Cultural Resources** – In compliance with Section 106 of the National Historic Preservation Act of 1966 (as amended). Based on the results of an Archeological Cultural Resources Record Search and Assessment Report, NTIA determined that the proposed project would not have an adverse effect on archaeological sites or historic properties within the project area.

The report was then forwarded to the South Dakota State Historic Preservation Office for review and comment. South Dakota SHPO concurred with NTIA’s determination that the proposed project would not have an adverse effect on archaeological and historical property sites provided SDN adhere to three (3) stipulations. The stipulations include:

1. All eligible and unevaluated sites are avoided by all construction activities including all staging and borrow areas.
2. Provide any additional information concerning the identification of historic properties by other consulting parties, such as the identification of Traditional Cultural Properties.
3. Activities occurring in areas not identified in your request will require the submission of additional documentation pursuant to 36 CFR part 800.4.

SDN agreed to the stipulations and sent a written agreement to NTIA for their records.

NTIA also forwarded a copy of the project description to the Tribal Historical Preservation Office (THPO) and other potentially interested tribal entities for review and comment. Responses from the tribal organizations have not been received as of April 28, 2010.

Appendix	Permit / Correspondence
I	Correspondence from NTIA / Booz Allen Hamilton indicating no adverse effects
J	Correspondence from South Dakota SHPO concurring with NTIA's finding of no adverse effects
K	SDN Response to South Dakota SHPO

Based upon the responses obtained from the commenting agencies no significant long term effects were identified. By following the guidance of the commenting agencies, SDN will be able to construct the proposed network in a fashion that will have similar results as the no action alternative. Should the proposed construction inadvertently encounter buried cultural deposits, SDN and its contractor will halt construction in that vicinity and immediately contact the staff at the State Historical Preservation Center in Pierre, SD to assess the significance of the discovery.

- **Land Use** – The existing land use will not be altered by the proposed project. Therefore, this project would not have any impacts to land use, similar to the no action alternative.
- **Infrastructure** –The communications infrastructure will be extended to those locations served by the proposed project. Other than these communication infrastructure improvements, this project would not have any negative impacts to other infrastructure in the project area, similar to the no action alternative.
- **Socioeconomic Resources** – The no action alternative will have an adverse impact to the communities involved in this project because new and/or improved broadband services will not be provided. Completion of the project will offer new and/or improved broadband access to rural schools and libraries, government facilities and medical facilities. 16 critical anchor institutions are in 13 low income counties in South Dakota. 11 critical anchor institutions are on or serve 9 tribes. In these rural, low income and tribal locations, the new and / or improved bandwidth will have positive impacts on healthcare, education, economic opportunities, and public safety for these populations by helping to attract or retain businesses, by providing new and enhanced access to educational resources, by providing better public safety services through coordinated actions and training among public safety agencies, by providing better access for existing and new health services, and by providing required access speeds to permit telecommuting and / or new

internet based businesses. As required by EO 12898, the proposed project will not have the effect of “excluding persons (including populations) from participation in, denying persons (including populations) the benefits of, or subjecting persons (including populations) to discrimination under, such programs, policies, and activities, because of their race, color, or national origin 59 FR 7631”.

In addition, the project provides a greater level of funding to the rural areas of South Dakota, and will have a positive impact on the ability of small communities and schools to remain viable.

- **Human Health and Safety** – The proposed network will offer higher bandwidth connectivity to the rural health care facilities in the state of South Dakota. Through this enhanced connectivity, the rural health care facilities and their patients will have access to more advanced and specialized services from larger medical institutions without having to travel outside their local communities. Additionally it will greatly improve the speed at which medical images can be transferred and reviewed. These improved capabilities will have a positive impact on the rural areas in which the project serves.

The construction activities proposed with this project will have no to minimal impact on this resource. Due to the construction activities taking place in the ditches and utility corridors along highways and roads, SDN and its contractors will not be located directly in the path of traffic. This also reduces the impact to vehicles traveling on the highways and roads since there is no need to close or re-route traffic lanes.

SDN and its contractors will comply with Federal Highway Administration (FHWA) requirements and the Manual on Uniform Traffic Control Devices to promote highway safety and efficiency by providing warning and guidance to all elements of traffic. SDN and its contractors while working within the public right of way who are exposed either to traffic (vehicles using the highway for purposes of travel) or to construction equipment within the work area shall wear high-visibility safety apparel intended to provide conspicuity during both daytime and nighttime usage, and meeting the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled “American National Standard for High-Visibility Safety Apparel and Headwear”. This applies to all projects subject to the provisions of the SDDOT Standard Specifications and all other work performed along federal-aid highways. SDN and its contractors will comply with OSHA Regulation 29 CFR 1926, which requires the contractor to have in place an accident prevention program that provides regular inspections of jobsites, materials and equipment by competent persons.

There are no known Brownfield sites located within the proposed project area. Therefore, this project would not have any impacts to Human Health and Safety, similar to the no action alternative.

1.6 Chapter 5 – Applicable Environmental Permits and Regulatory Requirements

National Pollution Discharge Elimination System (NPDES) permit for Storm Water Discharges Associated with Construction Activities.

- The permit is administered by the South Dakota Department of Environmental and Natural Resources in compliance with the provisions of the South Dakota Water Pollution Control Act and the Administrative Rules of South Dakota Chapters 74:52:01 through 74:52:11. The General Storm Water Permit has been obtained and a Storm Water Pollution Prevention Plan has been developed and approved by the South Dakota DENR.

Army Corps of Engineers through the South Dakota Regulatory Office

- Department of the Army Nationwide Permit No. (12), found in the March 12, 2007 Federal Register (72FR 11092), Reissuance of Nationwide Permits, for crossing rivers, streams and freshwater emergent wetland areas within the proposed project area. SDN has obtained the permits for the James River crossings from the South Dakota Regulatory Office.
- The Army Corps of Engineers determined, concerning Section 404 of the Clean Water Act that a determination of “no permit required” was issued for the other two (2) crossings at the Vermillion River and Ravine Park Lake.

U.S. Fish and Wildlife Service

- In accordance with section 7(c) of the Endangered Species Act, as amended, 16 U.S.C. 1531 et seq., SDN has obtained, from the U.S. Fish and Wildlife Service, a list of federally Threatened and Endangered Species that may be present within the project area. The USFWS included recommendations for implementing best management practices to minimize potential impacts to the listed species. Based upon the responses obtained from the commenting agencies no significant long term effects were identified. SDN has contacted and obtained authorization for placement of fiber optic cable from the Service Wetland Management Districts which exist in and near the proposed project.

South Dakota Historic Preservation Office

- In compliance with Section 106 of the National Historic Preservation Act of 1966 (as amended). South Dakota State Historic Preservation Office and NTIA concurred that the proposed project would not have an adverse effect on archaeological and historical property sites provided SDN adhere to three (3) stipulations. SDN agreed to the stipulations and sent a written agreement to South Dakota SHPO and NTIA for their records. NTIA also forwarded a copy of the project description to the Tribal Historical Preservation Office (THPO) and other potentially interested tribal entities for review and comment. Responses from the tribal organizations have not been received.

Tribal Organizations – In January 2010 NTIA contacted the Tribal Historic Preservation Office along with all other interested tribal entities and tribal nations during the initial consultation phase of the project. Upon last consultation with NTIA, no group has yet to come forth with comments or requirements.

1.7 Chapter 6 – List of Preparers

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1.8 Chapter 7 – List of References

- Internet: *Proposed project route map*, www.broadbandusa.gov
- Internet: Soils and Geology, <http://plantsci.sdstate.edu/woodardh/index.htm>
- Internet: *List by County of Federally Threatened and Endangered Species*
<http://www.fws.gov/southdakotafieldoffice/endsppbycounty.htm>
- Mr. Jeff Buechler, RPA, *Cultural Resources Records Search and Assessment Report*, Dakota Research Services, 13110 Michelle Drive, Rapid City, SD 57702
- Internet: Census Data
 - <http://www.rupri.org/Forms/SouthDakota.pdf>
- Internet: Brownfield Sites, <http://iaspub.epa.gov/Cleanups/>
- Mr. Ched Johnson, *Storm Water pollution Prevention Plan*, CHR Solutions, Inc., 1515 North Sanborn Blvd., Mitchell, SD 57301
- Mr. Bret C. Graves, *General Permit for Storm Water Discharge Associated with Construction Activities and Cover Letter*, Natural Resources Project Scientist, Surface Water Quality Program, South Dakota Department of Environment and Natural Resources, PMB 2020, Joes Foss Building, 523 East Capitol, Pierre, SD 57501
- Mr. Steven E. Naylor, Regulatory Program Manager, Department of the Army Corps of Engineers, Omaha District, South Dakota Regulatory Office, 28563 Powerhouse Road, Room 118, Pierre, SD 57501
- Mr. Pete Gober, South Dakota Field Office Supervisor, 420 South Garfield Ave., Suite 400, Pierre, SD 57501
- Mr. Glen Moravek, Biologists, 1611 East Robinson Ave. Pierre, SD 57501
- Mr. Clarke Dirks, Project Leader, U.S. Fish and Wildlife Service, Huron Wetland Management District, Room 309, Federal Bldg., 200 4th Street SW, Huron, SD 57350
- Mr. Mark J Heisinger, Wetland Manager, U.S. Fish and Wildlife Service, Lake Andes National Wildlife Refuge Complex, 38672 291st Street, Lake Andes, SD 57356
- Dr. Frank J. Monteferrante, PhD, NTIA National Environmental Policy Act Coordinator, U.S. Department of Commerce, National Telecommunications and Information Administration, Washington, DC 20230

- Ms. Amy Rubingh, Review and Compliance Archaeologist, State Historic Preservation Office, Cultural Heritage Center, 900 Governors Drive, Pierre, SD 57501
- Mr. Mark Shlanta, CEO, SDN Communications, Inc., 2900 W. 10th Street, Sioux Falls, SD 57104

Appendix A

List by County of Federally Threatened or Endangered Species



South Dakota Field Office

Mountain-Prairie Region

Endangered Species by County List

(updated 9 September 2008)

Office Programs:

SDFO - Home
Endangered Species
Environmental Contaminants
Federal Project Reviews
Wetland Conservation
Ecological Services Responsibilities
Personnel
Contact Us
Current News
Other South Dakota Fish and Wildlife Service Offices
Wetland Mapper

STATE: SOUTH DAKOTA

The Bald Eagle was removed from the List of Endangered and Threatened Wildlife effective August 8, 2007. The protections provided to the bald eagle under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act will continue to remain in place after the species is delisted. National Bald Eagle Management Guidelines have been developed. This rule change does not affect the bald eagle's status as a threatened or endangered species under State laws or suspend any other legal protections provided by State law.

T - Threatened
E - Endangered

XN - Proposed/Experimental Population
CH - Critical Habitat
PCH - Proposed Critical Habitat

COUNTY	GROUP	SPECIES	CERTAINTY OF OCCURRENCE	STATUS
AURORA	BIRD	CRANE, WHOOPING	KNOWN	E
	FISH	SHINER, TOPEKA	KNOWN	E

BEADLE	BIRD	CRANE, WHOOPING	KNOWN	E
	FISH	SHINER, TOPEKA	KNOWN	E
BENNETT	BIRD	CRANE, WHOOPING	KNOWN	E
	INSECT	BEETLE, AMERICAN BURYING ²	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
BON HOMME	BIRD	PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
		CRANE, WHOOPING	POSSIBLE	E
	FISH	STURGEON, PALLID	KNOWN	E
		SHINER, TOPEKA	KNOWN	E
BROOKINGS	INSECT	BEETLE, AMERICAN BURYING ²	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
BROWN	BIRD	CURLEW, ESKIMO	EXTREMELY RARE	E
		CRANE, WHOOPING	KNOWN	E
	FISH	SHINER, TOPEKA	KNOWN	E
BRULE	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	POSSIBLE	T

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	FISH	STURGEON, PALLID	KNOWN	E
BUFFALO	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	POSSIBLE	T
	FISH	STURGEON, PALLID	KNOWN	E
BUTTE	BIRD	CRANE, WHOOPING	KNOWN	E
CAMPBELL	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	STURGEON, PALLID	POSSIBLE	E
CHARLES MIX	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	STURGEON, PALLID	KNOWN	E
CLARK	BIRD	CRANE, WHOOPING	KNOWN	E

CLAY	BIRD	PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	SHINER, TOPEKA	KNOWN	E
		STURGEON, PALLID	POSSIBLE	E
	MOLLUSK	MUSSEL, SCALESHELL ⁶	HISTORICAL, MISSOURI RIVER	E
PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T	
CODINGTON	BIRD	CRANE, WHOOPING	KNOWN	E
	FISH	SHINER, TOPEKA	POSSIBLE	E
CORSON	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	SHINER, TOPEKA	HISTORICAL	E
		STURGEON, PALLID	POSSIBLE	E
CUSTER	BIRD	CRANE, WHOOPING	POSSIBLE	E

	MAMMAL	FERRET, BLACK-FOOTED	KNOWN	E
DAVISON	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
DAY	BIRD	PLOVER, PIPING	KNOWN	T
		CRANE, WHOOPING	POSSIBLE	E
DEUEL	FISH	SHINER, TOPEKA ³	KNOWN	E
DEWEY	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	SHINER, TOPEKA	HISTORICAL	E
		STURGEON, PALLID	KNOWN	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	KNOWN	XN
DOUGLAS	BIRD	CRANE, WHOOPING	KNOWN	E
EDMUNDS	BIRD	CRANE, WHOOPING	KNOWN	E
FALL RIVER				

FAULK	BIRD	CRANE, WHOOPING	KNOWN	E
GRANT	FISH	SHINER, TOPEKA ³	POSSIBLE	E
GREGORY	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	INSECT	BEETLE, AMERICAN BURYING ²	KNOWN	E
	FISH	STURGEON, PALLID	KNOWN	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	POSSIBLE	XN
HAAKON	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T
		TERN, LEAST	KNOWN	E
	INSECT	BEETLE, AMERICAN BURYING ²	POSSIBLE	E
HAMLIN	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA ³	KNOWN	E
HAND	BIRD	CRANE, WHOOPING	KNOWN	E
HANSON	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
HARDING	BIRD	CRANE, WHOOPING	POSSIBLE	E
HUGHES	BIRD	CRANE, WHOOPING	KNOWN	E

		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	STURGEON, PALLID	KNOWN	E
HUTCHINSON	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
HYDE	BIRD	CRANE, WHOOPING	KNOWN	E
JACKSON	BIRD	CRANE, WHOOPING	KNOWN	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	POSSIBLE	XN
JERAULD	BIRD	CRANE, WHOOPING	KNOWN	E
	FISH	SHINER, TOPEKA ³	KNOWN	E
JONES	BIRD	CRANE, WHOOPING	KNOWN	E
KINGSBURY	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T
	FISH	SHINER, TOPEKA ³	KNOWN	E
LAKE	FISH	SHINER, TOPEKA ³	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
LAWRENCE	BIRD	CRANE, WHOOPING	POSSIBLE	E
LINCOLN	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
LYMAN	BIRD	CRANE, WHOOPING	KNOWN	E

		PLOVER, PIPING	POSSIBLE	T
MARSHALL	BIRD	CRANE, WHOOPING	POSSIBLE	E
MCCOOK	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
MCPHERSON	BIRD	CRANE, WHOOPING	KNOWN	E
MEADE	BIRD	CRANE, WHOOPING	KNOWN	E
		TERN, LEAST	KNOWN	E
MELLETTTE	BIRD	CRANE, WHOOPING	KNOWN	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	POSSIBLE	XN
MINER	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
MINNEHAHA	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
MOODY	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
PENNINGTON	BIRD	CRANE, WHOOPING	KNOWN	E
		TERN, LEAST	KNOWN	E

	MAMMAL	FERRET, BLACK-FOOTED ⁴	KNOWN	XN
PERKINS	BIRD	CRANE, WHOOPING	KNOWN	E
POTTER	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	STURGEON, PALLID	KNOWN	E
ROBERTS	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
SANBORN	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
SHANNON	BIRD	CRANE, WHOOPING	KNOWN	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	KNOWN	XN
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
SPINK	BIRD	CRANE, WHOOPING	KNOWN	E
	FISH	SHINER, TOPEKA ³	POSSIBLE	E
STANLEY	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	STURGEON, PALLID	KNOWN	E

SULLY	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	STURGEON, PALLID	KNOWN	E
TODD	BIRD	CRANE, WHOOPING	POSSIBLE	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	KNOWN	XN
	INSECT	BEETLE, AMERICAN BURYING ²	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
TRIPP	BIRD	CRANE, WHOOPING	KNOWN	E
	INSECT	BEETLE, AMERICAN BURYING ²	KNOWN	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	POSSIBLE	XN
TURNER	BIRD	CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
UNION	BIRD	PLOVER, PIPING	KNOWN	T
		TERN, LEAST	KNOWN	E
	INSECT	BEETLE, AMERICAN BURYING ²	POSSIBLE	E
	FISH	SHINER, TOPEKA	KNOWN	E
		STURGEON, PALLID	POSSIBLE	E
	MOLLUSK	MUSSEL, SCALESHELL	Historic, Missouri River	E
	PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T
WALWORTH	BIRD	CRANE, WHOOPING	KNOWN	E

		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	FISH	STURGEON, PALLID	POSSIBLE	E
YANKTON	BIRD	CURLEW, ESKIMO	EXTREMELY RARE	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
		CRANE, WHOOPING	POSSIBLE	E
	FISH	SHINER, TOPEKA ³	POSSIBLE	E
		STURGEON, PALLID	POSSIBLE	E
	MOLLUSK	MUSSEL, SCALESHELL ⁶	Historic, Missouri River	E
		PEARLYMUSSEL, HIGGINS EYE ^{5,6}	One Dead Specimen Found	E
PLANT	ORCHID, WESTERN PRAIRIE FRINGED ¹	POSSIBLE	T	
ZIEBACH	BIRD	CRANE, WHOOPING	KNOWN	E
		PLOVER, PIPING	KNOWN	T (CH)
		TERN, LEAST	KNOWN	E
	MAMMAL	FERRET, BLACK-FOOTED ⁴	POSSIBLE	XN

¹ The counties indicated for the Western Prairie Fringed Orchid are counties with potential habitat. Currently, there are no known populations of this species in South Dakota. Status surveys have been completed for the orchid in South Dakota. However, because of the ecology of this species, there is a possibility that plants may be overlooked.

² The American Burying Beetle is presently known to occur in Gregory, Tripp and Todd counties. One specimen was recently trapped in Bennett County. A comprehensive status survey has never been completed for the American burying beetle in South Dakota. Until status surveys have been completed, the beetle could and may occur in any county with suitable habitat. Suitable habitat is considered to be any site with significant humus or topsoil suitable for burying carrion.

³ Although Topeka Shiners have not been formally documented within Clark, Grant, Jerauld, Kingsbury, Lake, Spink, or Yankton Counties, the shiners may still occur in these areas because the counties contain portions of known Topeka Shiner inhabited rivers and/or tributary streams.

⁴ Block clearance is a strategy developed by the Service to determine the likelihood of black-footed ferret occurrence in a geographic area and provide sufficient information to allow the Service to assess an area for the biological potential for contributing to recovery of the ferret. The act of block clearing an area negates the need to conduct future ferret surveys to comply with section 7 of the Endangered Species Act. The exception is for National Park Service lands and US Fish and Wildlife Service lands - ferrets are considered threatened in those areas. Black-footed ferrets have been reintroduced in Badlands National Park, Buffalo Gap National Grasslands and Cheyenne River Sioux Tribe Reservation.

⁵ A fresh dead shell of a Higgins Eye Pearlymussel was found below Gavins Point Dam on October 27, 2004.

⁶ Shells of these species have been found, but no populations have been located.

Any corrections or additions to this list should be submitted to Pete Gober, U.S. Fish and Wildlife Service, South Dakota Field Office, Ecological Services, 420 South Garfield Avenue, Pierre, SD; Telephone (605)224-8693, ext. 224.

Last updated: November 2, 2009

[Contact us](#)

Appendix B

Cultural Resources Record Search and Assessment Report

Letter Format Report of
**A Cultural Resources Records Search of the
SDN Fiber-Optic Cable Routes from Volga to Huron
and Beresford to Yankton in Eastern South Dakota**

Prepared for

**South Dakota Network Communications
2900 West 10th Street
Sioux Falls, South Dakota**

at the request of

**CHR Solutions, Inc.
Mitchell, South Dakota**

Prepared by

Jeff Buechler, RPA

**Dakota Research Services
13110 Michelle Drive
Rapid City, South Dakota
Project Number 09-71**

November 2009

Dakota Research Services

Cultural Resources Management

**13110 Michelle Drive
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**Jeff Buechler
605-341-2361
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November 27, 2009

Mr. Ched Johnson
CHR Solutions, Inc.
1515 N. Sanborn Boulevard
Mitchell, SD 57301

Re: Letter Format Report of a Cultural Resources Records Search of the SDN Fiber-Optic Cable Routes from Volga to Huron and Beresford to Yankton in Eastern South Dakota (Reference: SD 608 "016" 1.03)

Mr. Johnson:

South Dakota Network Communications (SDN) is proposing to undertake an expansion of its fiber-optic cable system providing broadband connectivity, internet network surveillance, and networking equipment and phone systems for member companies with the construction of fiber-optic cable lines from Volga to Huron and Beresford to Yankton in eastern South Dakota (Figure 1). A transmittal letter from Mr. Ched Johnson of CHR Solutions, Inc. (Appendix A) indicates that the proposed cable routes are "...proposed in the ditch or road right-of-way." CHR Solutions, Inc. is providing engineering design services for these segments of the SDN network. The National Telecommunications and Information Administration (NTIA) is considered the lead federal agency administering these undertakings.

In mid- November 2009, records search research was initiated to examine the SDN "area of potential effects" to assess the impact this undertaking may have on significant cultural resources. Cultural properties are defined as any building, structure, object, site, district, data, or other material property significant in history, architecture, archaeology, or culture. Cultural properties are considered unique, non-renewable expressions of human behavior. Interpretation of these behaviors concentrates on material or physical remains. "Significance" is evaluated in terms of National Register of Historic Places eligibility criteria defined by Federal regulation (36 CFR 60).

The records search research examined an area approximately one mile on either side of the proposed SDN cable route corridors. This research involved the examination of digitized GIS files which indicate the locations of recorded sites and research projects in the vicinity of the project area and the ARMS online database maintained by the South Dakota State Archaeological Research Center. Additional background and contextual information was obtained in consultation with historic preservation planning documents (State Historical Preservation Center 2006).

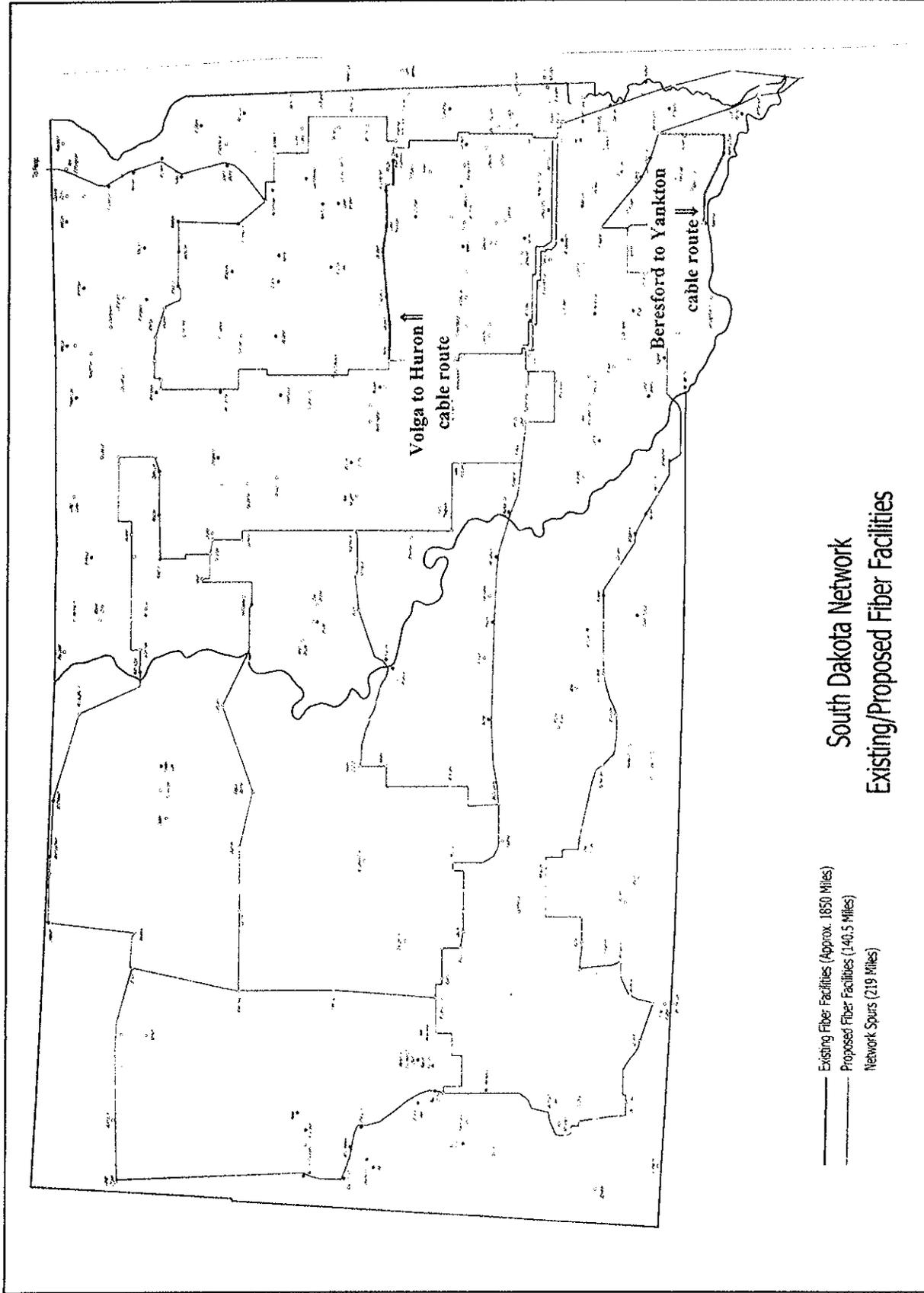


Figure 1. Map of South Dakota showing the existing SDN network cable routes (red) and proposed expansion routes from Volga to Huron and Beresford to Yankton (red line).

Volga to Huron Cable Route

The proposed SDN Volga to Huron (V-H) cable route is located in east-central South Dakota (see Figure 1). The proposed route parallels US Highway 14 in portions of Brookings, Kingsbury and Brookings Counties. This route encompasses portions of the Upper Big Sioux, Vermillion Basin, and Middle James archaeological management regions (Winham and Hannus 1991).

The V-H cable route corridor records search area is situated on portions of twenty USGS 7½-minute quadrangle maps (Figure 2). The results of the V-H records search are listed on Table 1. These properties include six archaeological sites; fifty-two rural buildings; six historic bridge structures; eight cemeteries; and segments of three historic railroads previously recorded in the general vicinity (\pm one mile) of the V-H area of potential effects. Historic buildings recorded within urban areas are listed in Appendix B.

Three of the archaeological sites; five rural buildings; three cemeteries; two bridge structures; and segments of the historic railroads have been recorded in the immediate vicinity (\pm 500 feet) of the V-H cable route. Archaeological sites identified in the immediate vicinity (\pm 500 feet) of the V-H cable route are plotted on the quadrangle maps presented in Appendix C. A review of the project maps also indicates the V-H construction activities are expected to be undertaken within one mile of three cemeteries, and one rural school/township hall (see Table 1). These properties have not been recorded but are identified on the USGS quadrangle maps or the State Archaeological Research Center GIS database maps. A discussion of the archaeological sites and the unrecorded features or manifestations identified in the immediate vicinity (\pm 500 feet) of the V-H cable routes is organized below according to quadrangle map (from east to west). Historic standing buildings and bridges are not expected to be impacted by proposed V-H construction activities in disturbed portions of road ditch right-of-way.

Volga quadrangle (Figure C-1): Past cultural resources research in the vicinity of the V-H cable route on the Volga quadrangle has been reported by Lueck et al. (1991); Molyneaux (1993); Long (1998); and Buechler (1999, 2005). Segments of the historic **Chicago Northwestern Railroad (39xx2003)** have been previously recorded in the immediate vicinity (\pm 500 feet) of the V-H construction corridor by Buechler (1999, 2005). The historic CNW RR in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad.

In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities involving directional boring beneath extant portions of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Lake Sinai quadrangle (Figure C-2): Past cultural resources research in the vicinity of the V-H cable route on the Lake Sinai quadrangle has been reported by Lueck (1987a); Wardlow (1988); Molyneaux (1993); Lueck and Palmer (2002); and Buechler (2005). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the V-H construction corridor on the Lake Sinai quadrangle map (see Table 1).

A review of the quadrangle map indicates the proposed V-H construction corridor is expected to intersect a segment of the historic **South Dakota Central Railroad (39xx2073)** in Section 17 or 20, T110N, R52W. The historic SD Central RR in this vicinity is part of the Rutland to Watertown section of the rail line constructed in 1907 (Hamburg 1981). This line was later operated by the Great Northern and the Burlington Northern Railroads. The physical condition of features associated with the historic SD Central RR at the V-H intersection locality have not been documented.

In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities involving directional boring beneath extant portions of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

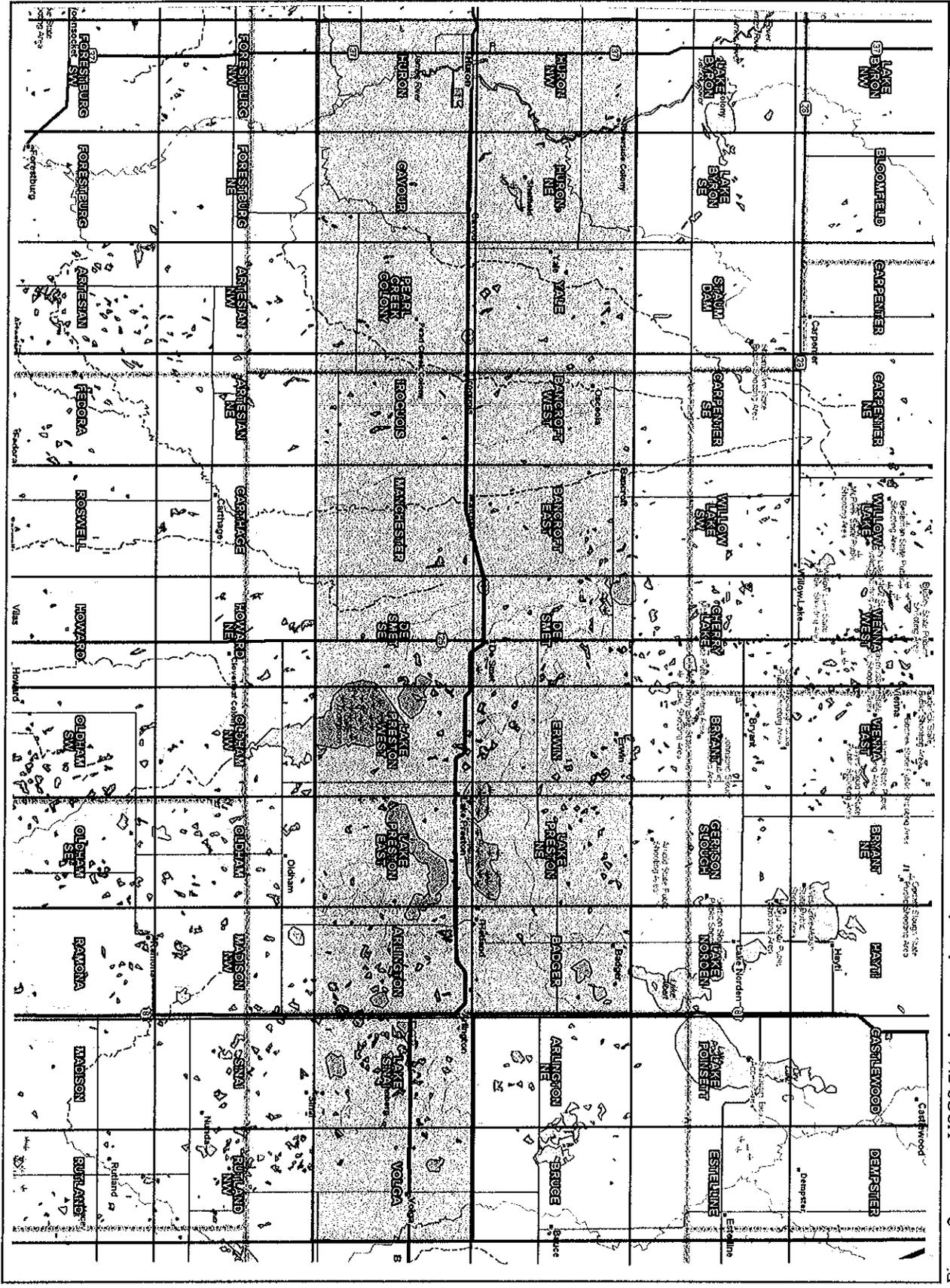


Figure 2. USGS 7 1/2-minute quadrangle maps encompassing the SDN Volga to Huron cable route records search project area (blue shaded).

SDN Cable Route (Volga to Huron) - Table 1
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Volga to Huron Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Volga to Huron cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
Volga	39BK37	16, T110N, R51W	Artifact scatter	Lueck et al. (1991)	Unspecified prehistoric	not evaluated
	**Chicago Northwestern Railroad (39BK2003)	various	Railroad	Buechler (1999, 2005)	EuroAmerican	Eligible for NRHP
	First Lutheran Cemetery (BK-000-00134)	22, T110N, R51W	Cemetery	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-00135	23, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-00136	17, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-00137	17, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**BK-000-00138	18, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**BK-000-00139	18, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-00141	20, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-00142	20, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-00143	21, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-00145	23, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**Trinity Cemetery (BK-000-00179)	15, T110N, R51W	Cemetery	HPC - GIS database	EuroAmerican	not evaluated
	Hillside Cemetery (BK-000-00388)	15, T110N, R51W	Cemetery	HPC - GIS database	EuroAmerican	not evaluated
	BK-000-001577	14, T110N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
				Molyneux (1993); Long (1998)		

SDN Cable Route (Volga to Huron) - Table 1
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Volga to Huron Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Volga to Huron cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
Lake Sinai	Chicago Northwestern Railroad (39xx2003)	various	Railroad	none	Euro-American	Eligible for NRHP
	**SD Central Railroad (39xx2073)	various	Railroad	none	Euro-American	Eligible for NRHP
	BK-000-00130	13, T110N, R52W	Building	HPC - GIS database	Euro-American	not evaluated
	BK-000-00131	19, T110N, R52W	Building	HPC - GIS database	Euro-American	not evaluated
	BK-000-00133	21, T110N, R52W	Building	HPC - GIS database	Euro-American	not evaluated
	BK-000-00140	19, T110N, R51W	Building	HPC - GIS database	Euro-American	not evaluated
	Townhall	17, T110N, R52W	Rural school/ township hall	none	Euro-American	not recorded
				Lueck (1987a); Wardlow (1988a); Molyneux (1993); Lueck & Palmer (2002); Buechler (2005)		
Arlington	**District No. 42 (39KB7)	4, T110N, R53W	Artifact scatter	Lueck (1987b)	Euro-American	Not evaluated
	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	none	Euro-American	Eligible for NRHP
	**SD Central Railroad (39xx2073)	various	Railroad	none	Euro-American	Eligible for NRHP
	KB-000-00400	12, T110N, R53W	Building	HPC - GIS database	Euro-American	Eligible for NRHP
	Nordland Cemetery (KB-000-00424)	33, T111N, R53W	Cemetery	HPC - GIS database	Euro-American	Not Eligible
	KB-000-00425	5, T110N, R53W	Building	HPC - GIS database	Euro-American	Eligible for NRHP

SDN Cable Route (Volga to Huron) - Table 1
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Volga to Huron Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Volga to Huron cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	KB-000-00426	5, T110N, R53W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00427	6, T110N, R53W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00428	6, T110N, R53W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00473	31, T111N, R53W & 6, T110N, R53W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	**Arlington Cemetery	7, T101N, R52W	cemetery	none	EuroAmerican	not recorded
	rural cemetery	4, T110N, R53W	cemetery	none	EuroAmerican	not recorded
				Wardlow (1989); Buechler (2005)		
Lake Preston East	Chicago Northwestern Railroad (39xx2003)	various	Railroad	none	EuroAmerican	Eligible for NRHP
	Milwaukee Railroad (39xx2007)	various	Railroad	none	EuroAmerican	Eligible for NRHP
	KB-000-00289	3, T110N, R54W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00312	7, T110N, R54W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	**KB-000-00406	1, T110N, R54W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
				Stahl (1988); Molyneaux (1993); Buechler (1994)		
Lake Preston West	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	Buechler (1989, 1999)	EuroAmerican	Eligible for NRHP
	**Milwaukee Railroad (39xx2007)	1, T110N, R55W	Railroad	Buechler (1994); Downing (2008a)	EuroAmerican	Eligible for NRHP
	**KB-000-00366	6, T110N, R55W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP

SDN Cable Route (Volga to Huron) - Table 1
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Volga to Huron Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Volga to Huron cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	**Lake Preston Cemetery (KB-000-00416)	2, T110N, R55W	Cemetery	HPC - GIS database	EuroAmerican	Not Eligible
	**KB-000-00429	3, T110N, R55W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
				Molyneux (1993); Downing (2008b)		
De Smet SE	KB-000-00375	3, T110N, R56W	Building	HPC - GIS database	EuroAmerican	Not Eligible
De Smet	**Chicago Northwestern Railroad (39xx2003)	various	Railroad		EuroAmerican	Eligible for NRHP
	KB-000-00376	33, T111N, R56W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00378	32, T111N, R56W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00471	25, T111N, R56W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
				Buechler (1989); Molyneux (1993)		
Bancroft East	**Chicago Northwestern Railroad (39xx2003)	various	Railroad		EuroAmerican	Eligible for NRHP
	KB-000-00364	31, T111N, R57W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00367	35, T111N, R57W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	KB-000-00384	35, T111N, R57W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00390	29, T111N, R57W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	KB-000-00466	30-21, T111N, R57W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
				Vaillancourt (2004); Buechler (1999, 2005)		

SDN Cable Route (Volga to Huron) - Table 1
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Volga to Huron Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Volga to Huron cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
Manchester	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	Buechler (1999)	EuroAmerican	Eligible for NRHP
	KB-000-00385	32, T111N, R57W	Building	HPC - GIS database	EuroAmerican	not evaluated
	KB-000-00386	32, T111N, R57W	Bridge	HPC - GIS database	EuroAmerican	Eligible for NRHP
	**cemetery	32, T111N, R57W	cemetery	none	EuroAmerican	not recorded
				Messerli (1986); Keller (1988); Buechler (2005); Downing (2009)		
Bancroft West	KB-000-00316	35, T111N, R58W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
				Buechler (1999, 2001)		
Iroquois	**Iroquois Whistle Stop (39KB12)	6, T110N, R68W	Nonfarm Ruins & Artifact scatter	Latham (1999)	EuroAmerican	Not evaluated
	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	Buechler (1999, 2001)	EuroAmerican	Eligible for NRHP
	**Cemetery (KB-000-00403)	6, T110N, R58W	Cemetery	HPC - GIS database	EuroAmerican	Not Eligible
	**KB-000-00463	31, T111N, R58W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
				Buechler (1976); Downing (2006a); Molyneaux (2007)		
Yale				Buechler (2004a)		
Pearl Creek Colony	**Chicago Northwestern Railroad (39xx2003)	various	Railroad		EuroAmerican	Eligible for NRHP
	**BE-000-00170	36, T111N, R60W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible

SDN Cable Route (Volga to Huron) - Table 1
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Volga to Huron Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Volga to Huron cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	**BE-000-00278	36, T111N, R60W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	**BE-000-00388	36, T111N, R59W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	**BE-000-00482	34, T111N, R59W	Building	HPC - GIS database	EuroAmerican	Not Eligible
Huron NE	St. Patrick Cemetery (BE-000-00384)	33, T111N, R60W	Cemetery	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00386	33, T111N, R60W	Building	HPC - GIS database	EuroAmerican	Future Eligibility for NRHP
	BE-000-00387	34, T111N, R60W	Building	HPC - GIS database	EuroAmerican	Not Eligible
Cavour	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	Lueck (2004)	EuroAmerican	Eligible for NRHP
	BE-000-00385	4, T110N, R60W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00417	36, T111N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	**BE-000-00418	36, T111N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
				Lueck (1992); Buechler (2004a)		
Huron NW	39BE44	32, T111N, R61W	Stone circle	Haberman (1980); Buechler (2004b)	Unspecified prehistoric	not evaluated
	BE-000-00419	34, T111N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-01859	34, T111N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
				Downing (2004, 2005, 2006b)		
Huron	**Turkey Plant Farm (39BE144)	4, T110N, R61W	Farmstead & Artifact scatter	Halligan (2004)	EuroAmerican	not evaluated
	39BE154	3, T110N, R61W	Artifact scatter	Downing (2005)	Unspecified prehistoric	not evaluated

SDN Cable Route (Volga to Huron) - Table 1
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Volga to Huron Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Volga to Huron cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	Chicago Northwestern Railroad (39xx2003)	various	Railroad	Lueck (2004); Buechler (2004a)	EuroAmerican	Eligible for NRHP
	BE-000-00138	32, T111N, R61W & 5, T111N, R61W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00373	34, T111N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00073	4, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	BE-000-00074	4, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	BE-000-00075	4, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00076	4, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00077	4, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00078	4, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00079	4, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
	BE-000-00758	3, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	BE-000-00139	32, T111N, R61W & 5, T110N, R61W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	BE-104-00001	5, T110N, R61W	Building	HPC - GIS database	EuroAmerican	Not Eligible
				Haberman (1980); Stahl (1989); Downing (2004, 2006b); Lueck (2004); Buechler (2004b)		

Arlington and Badger quadrangles (Figure C-3): Past cultural resources research in the vicinity of the V-H cable route on the Arlington and Badger quadrangle maps has been reported by Lueck (1987b); Wardlow (1989); and Buechler (2005). One archaeological site has been reported in the immediate vicinity (\pm 500 feet) of the V-H construction corridor on the Arlington quadrangle map (see Table 1).

District No. 42 (39KB7) is defined as a historic artifact scatter located in the SE $\frac{1}{4}$ of Section 4, T110N, R53W. Lueck (1987b) indicates the Peterson 1904 historical atlas identified the District No. 42 rural school in this locality. The significance and/or management status of this resource has not been determined. Proposed V-H construction activities in disturbed portions of the road ditch are not expected to impact or disturb features associated with this property.

A review of the quadrangle maps indicates the Arlington Cemetery and segments of the historic CNW RR and SD Central RR in the immediate vicinity (\pm 500 feet) of the proposed V-H construction corridor. Each of these railroads are described below:

The **Arlington Cemetery** is located in the NW $\frac{1}{4}$ of Section 7, T110N, R52W. The presence or physical condition of features associated with this property have not been documented; however, South Dakota state law (SDCL 34-27) establishes procedures for protecting cemeteries and grave sites. Therefore, it is recommended that V-H construction activities avoid the Arlington Cemetery under provisions of South Dakota statute 34-27.

The historic **CNW RR (39xx2003)** in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad. The physical condition of features associated with the historic CNW RR in the V-H in this locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

The historic **SD Central RR (39xx2073)** in this vicinity is part of the Rutland to Watertown section of the rail line constructed in 1907 (Hamburg 1981). This line was later operated by the Great Northern and the Burlington Northern Railroads. The physical condition of features associated with the historic SD Central RR at the V-H in this locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Lake Preston East and Lake Preston NE quadrangles (Figure C-4): Past cultural resources research in the vicinity of the V-H construction corridor on the Lake Preston East and Lake Preston NE quadrangle maps has been reported by Molyneaux (1993); Buechler (1994); and Downing (2008b). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the V-H construction corridor on the Lake Preston East quadrangle map (see Table 1).

Lake Preston West and Erwin quadrangles (Figure C-5): Past cultural resources research in the vicinity of the V-H construction corridor on the Lake Preston West and Erwin quadrangle maps has been reported by Buechler (1989, 1994, 1999); Molyneaux (1993); and Downing (2008a, 2008b). Segments of the historic CNW RR and Milwaukee RR have been previously recorded in the immediate vicinity (\pm 500 feet) of the V-H cable route (see Table 1). Each of these resources are described below:

The historic **CNW RR (39xx2003)** in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad. Segments of this rail line have been recorded by Buechler (1989, 1999). In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

A segment of the historic **Milwaukee Railroad (39xx2007)** is expected to be intersected by V-H construction corridor in Section 1, T110N, R55W. The historic Milwaukee RR in this vicinity is part of the Madison to Bristol section of the rail line constructed in 1887 (Hamburg 1981). The physical condition of features associated with the historic Milwaukee RR at the V-H intersection locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities involving directional boring beneath extant portions of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

De Smet and De Smet SE quadrangles (Figure C-6): Past cultural resources research in the vicinity of the V-H construction corridor on the De Smet and De Smet SE quadrangle maps has been reported by Buechler (1989) and Molyneaux (1993). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the V-H construction corridor on these quadrangle maps (see Table 1).

A review of the quadrangle map indicates segments of the historic CNW RR located in the immediate vicinity of the V-H cable route. The historic **CNW RR (39xx2003)** in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad. Segments of this rail line have been recorded by Buechler (1989, 1999). In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Bancroft East and Manchester quadrangles (Figure C-7): Past cultural resources research in the vicinity of the V-H construction corridor on the Bancroft East and Manchester quadrangle maps has been reported by Messerli (1986); Keller (1988); Buechler (1999, 2005); Vaillancourt (2004); and Downing (2009). Segments of the historic **CNW RR (39KB2003)** have been previously recorded by Buechler (1999). The historic **CNW RR (39xx2003)** in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

A review of the quadrangle map indicates a **cemetery** is located in the SW $\frac{1}{4}$ of Section 32, T111N, R57W. The presence or physical condition of features associated with this property have not been documented; however, South Dakota state law (SDCL 34-27) establishes procedures for protecting cemeteries and grave sites. Therefore, it is recommended that V-H construction activities avoid this cemetery under provisions of South Dakota statute 34-27.

Bancroft West and Iroquois quadrangles (Figure C-8): Past cultural resources research in the vicinity of the V-H construction corridor on the Bancroft West and Iroquois quadrangle maps has been reported by Buechler (1976, 1999, 2001); Molyneaux (2007); Latham (1999); and Downing (2006a). One archaeological site and segments of the historic **CNW RR (39xx2003)** have been previously recorded in the immediate vicinity (\pm 500 feet) of the V-H cable route (see Table 1). Each of these properties are described below:

The archaeological remains of the **Iroquois Whistle Stop (39KB12)** have been recorded within the Town of Iroquois by Latham (1999). These remains consist of the water tower footings and a sparse scatter of historical and modern artifact assemblages. The significance and/or management status of this resource has not been determined. Proposed V-H construction activities in disturbed portions of the road ditch are not expected to impact or disturb features associated with this property.

The historic **CNW RR (39xx2003)** in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad. Segments of this rail line have been recorded by Buechler (1999, 2001). It should be noted that the Town of Iroquois also served as the terminal end for a branch of the **CNW RR (39xx2003)** constructed from Hawarden, Iowa in 1882. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Pearl Creek Colony and Yale quadrangles (Figure C-9): Past cultural resources research in the vicinity of the V-H construction corridor on the Pearl Creek Colony and Yale quadrangle maps has been reported by Buechler (2004a). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the V-H construction corridor on these quadrangle maps (see Table 1).

A review of the quadrangle map indicates a segment of the historic CNW RR located in the immediate vicinity of the V-H cable route. The historic **CNW RR (39xx2003)** in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad. Segments of this rail line have been recorded by Buechler (1989, 1999). In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Cavour and Huron NE quadrangles (Figure C-10): Past cultural resources research in the vicinity of the V-H construction corridor on the Cavour and Huron NE quadrangle maps has been reported by Lueck (1992, 2004) and Buechler (2004a). A segment of the historic **CNW RR (39KB2003)** have been previously recorded by Lueck (2004). The historic **CNW RR (39xx2003)** in this vicinity is part of the Volga to Pierre section of rail line constructed in 1880 (Hamburg 1981). This rail line is currently operated by the Dakota Minnesota & Eastern Railroad. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed V-H construction activities are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the V-H undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Huron and Huron NW quadrangles (Figure C-11): Past cultural resources research in the vicinity of the V-H construction corridor on the Huron and Huron NW quadrangle maps has been reported by Haberman (1980); Stahl (1989); Lueck (2004); Buechler (2004a, 2004b); Halligan (2004); and Downing (2004, 2005, 2006b). One archaeological site has been previously recorded in the immediate vicinity of the V-H cable route on the Huron quadrangle map. The **Turkey Plant Farm (39BE144)** consists of a historic farmstead and associated artifact scatter located in the NE $\frac{1}{4}$ of Section 4, T110N, R61W. Physical remains associated with this resource included seven standing structures; a modern trash dump; eight rockpiles; one historic and one modern trash scatter, and a portion of a concrete foundation (Halligan 2004). The significance and/or management status of this resource has not been determined. Proposed V-H construction activities in disturbed portions of the road ditch are not expected to impact or disturb features associated with this property.

Beresford to Yankton Cable Route

The proposed SDN Beresford to Yankton (B-Y) cable route is located in southeastern South Dakota (see Figure 1). The proposed route parallels Interstate 29 and SD Highway 50 in portions of Union, Clay, and Yankton Counties. This route encompasses portions of the Lower Big Sioux, Vermillion Basin, Lower James, and Yankton archaeological management regions (Winham and Hannus 1991).

The V-H cable route corridor records search area is situated on portions of twelve USGS 7½-minute quadrangle maps (Figure 3). The results of the B-Y records search are listed on Table 2. These properties include ten archaeological sites; sixty-three rural buildings; fifteen historic bridge structures; three rural cemeteries; and segments of three historic railroads previously recorded in the general vicinity (\pm one mile) of the B-Y area of potential effects. Historic buildings recorded within urban areas are listed in Appendix D.

Nine rural buildings; two bridge structures; one rural cemetery; and segments of the historic railroads have been recorded in the immediate vicinity (\pm 500 feet) of the B-Y cable route. Archaeological sites identified in the immediate vicinity (\pm 500 feet) of the B-Y cable route are plotted on the quadrangle maps presented in Appendix E. A review of the project maps also indicates the B-Y construction activities are expected to be undertaken within one mile of three historic townsites and three rural school/township hall (see Table 3). These properties have not been recorded but are identified on the USGS quadrangle maps or the State Archaeological Research Center GIS database maps. A discussion of the archaeological sites and unrecorded features or manifestations identified in the immediate vicinity (\pm 500 feet) of the B-Y cable routes is organized below according to quadrangle map (from northeast to southwest). Historic standing buildings and bridges are not expected to be impacted by proposed V-H construction activities in disturbed portions of road ditch right-of-way.

Beresford quadrangle (Figures E-1 and E-2): Past cultural resources research in the vicinity of the B-Y construction corridor on the Beresford quadrangle map has been reported by Strait et al. (1997); Downing (2000); Vaillancourt (2006); Kruse (2007); Calhoun (2008); and Miller (2009a). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the B-Y construction corridor on the Beresford quadrangle map (see Table 3).

Alsen quadrangle (Figures E-3 and E-4): Past cultural resources research in the vicinity of the B-Y construction corridor on the Alsen quadrangle map has been reported by Wardlow (1988b); Winham (1988a); Hodgson (1999); O'Dell (2002); Kapler (2003); Palmer (2004); Kogel (2005a); and Miller (2009a). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the B-Y construction corridor on the Alsen quadrangle map (see Table 3).

Vermillion SE quadrangle (Figures E-5 and E-6): Past cultural resources research in the vicinity of the B-Y construction corridor on the Vermillion SE quadrangle map has been reported by Emerson (1979); Palmer (2004); Byrne (2006a); and Miller (2009b). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the B-Y construction corridor on the Vermillion SE quadrangle map (see Table 3).

Vermillion quadrangle (Figure E-7): Past cultural resources research in the vicinity of the B-Y construction corridor on the Vermillion quadrangle map has been reported by Bradley (1996a, 1996b); Hodgson (1995); Augstana Archaeology Lab (2009); Ludwickson et al. (1981); Winham (1988b); Haberman (1988, 1992); Eberhart et al. (1993); Fosha (1995); Hodgson & Ranney (2002); Ranney et al. (2002); Donohue (2003); Lowe & McClland (2003); Spars (2003); Palmer (2004); Pfelpsen (2005); Kogel (2005b); Lueck (2005, 2006); Byrne (2006b); Bruce (2008a, 2008b); and Miller (2009c). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the B-Y construction corridor on the Vermillion quadrangle map (see Table 3).

A review of the quadrangle map indicates a segment of the historic **Milwaukee Railroad (39xx2007)** is located in the immediate vicinity (\pm 500 feet) of B-Y construction corridor. The historic Milwaukee RR in this vicinity was originally constructed by the Dakota Southern Railroad from Vermillion to Yankton in 1873 and later operated by Milwaukee Railroad (Hamburg 1981). The physical condition of features associated with the historic Milwaukee RR in the B-Y cable route locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed B-Y construction activities involving directional boring beneath extant portions

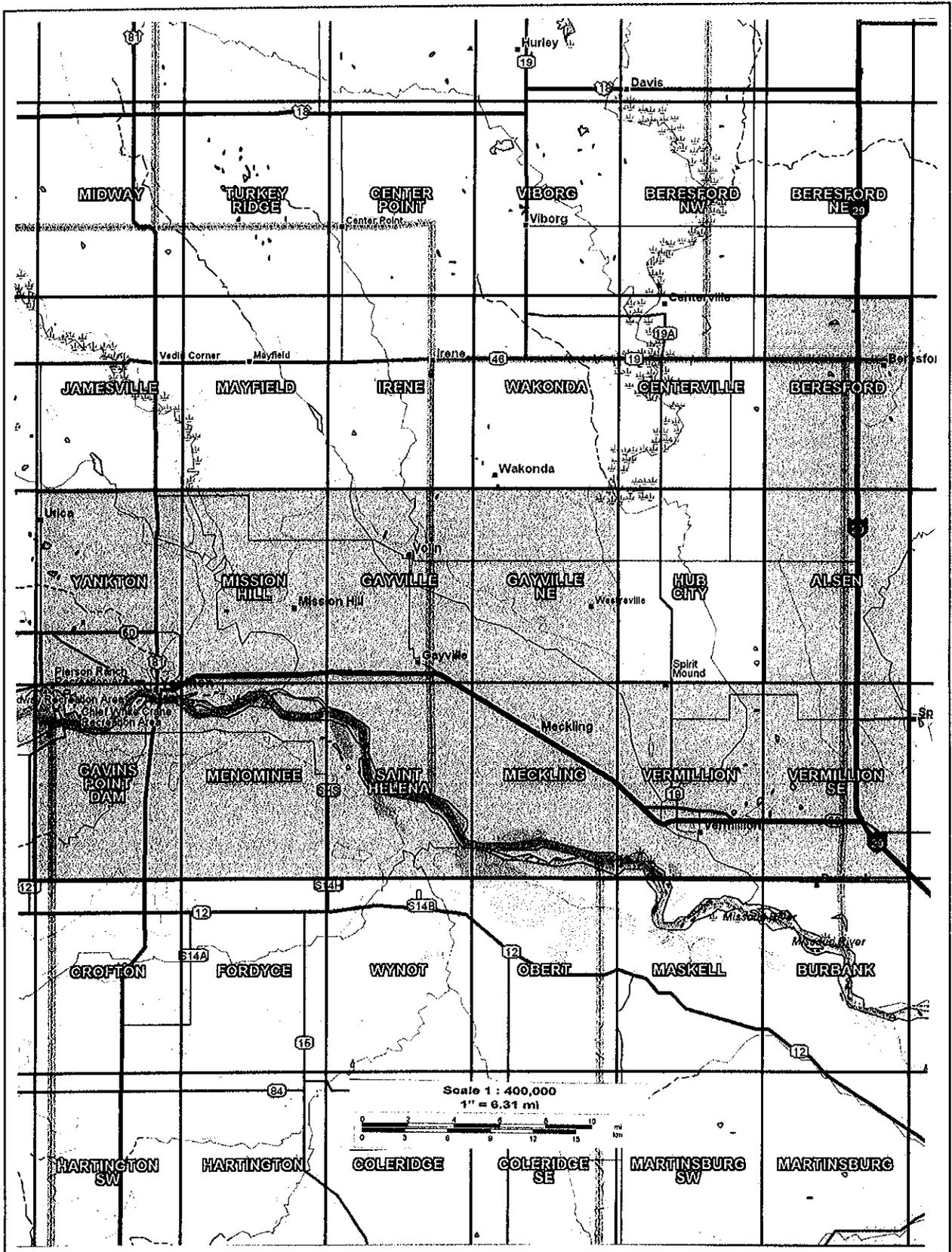


Figure 3. USGS 7½-minute quadrangle maps encompassing the SDN Beresford to Yankton cable route records search project area (blue shaded).

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified \pm 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
Beresford	39UN46	17, T95N, R50W	Farmstead; Artifact scatter	Vaillancourt (2006)	EuroAmerican	not evaluated
	Chicago Northwestern Railroad (39xx2003)	various	Railroad		EuroAmerican	Eligible for NRHP
	LN-000-00556	32, T96N, R50W	Building	HPC - GIS database	EuroAmerican	not evaluated
	CL-000-00043	12, T95N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	UN-000-00034	8, T95N, R50W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**UN-000-00853	30-31, T95N, R50W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	**UN-000-00855	18-19, T95N, R50W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	Sunnyside School	19, T95N, R50W	rural school	none	EuroAmerican	not recorded
				Strait et al. (1997); Downing (2000); Kruse (2007); Calhoun (2008); Miller (2009a)		
Alsén	Anderson Homestead Historic District (Alsén)	13, T94N, R51W	District	HPC - GIS database	EuroAmerican	
	CL-000-00403	13, T94N, R51W	Building	HPC - GIS database	EuroAmerican	Eligible for NRHP
	UN-000-00078	26, T94N, R50W	Building	HPC - GIS database	EuroAmerican	not evaluated
	UN-000-00102	6, T94N, R50W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**UN-000-00857	19 & 30, T94N, R50W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	**UN-000-00858	31, T94N, R50W & 6, T93N, R50W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	UN-000-00860	31-32, T94N, R50W	Bridge	HPC - GIS database	EuroAmerican	Eligible for NRHP

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	UN-000-00861	31-32, T94N, R50W	Bridge	HPC - GIS database	EuroAmerican	Eligible for NRHP
	Hill Side	19, T94N, R50W	townsite	none	EuroAmerican	not recorded
	Cleveland School	17, T94N, R50W	rural school	none	EuroAmerican	not recorded
	Brule School	20, T94N, R50W	rural school	none	EuroAmerican	not recorded
				Wardlow (1988b); Winham (1988a); Hodgson (1999); O'Dell (2002); Kapler (2003); Palmer (2004); Kogel (2005a); Miller (1995, 2009a)		
Vermillion SE	Ufford Mound Group (39CL2)	21, T92N, R51W	Mounds: Burial	Augustana Archaeology Lab (2009)	Plains Woodland (AD 900 - 1700 ?)	Not evaluated
	Stan Mummer Site (39UN9)	17 & 18, T92N, R50W	Artifact scatter	none	Late Woodland Period (AD 900 to 1700)	not evaluated
	**Fairview Cemetery (CL-000-00138)	15, T92N, R51W	Cemetery	HPC - GIS database	EuroAmerican	Not Eligible
	**CL-000-00139	14, T92N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	CL-000-00140	14, T92N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	Dowlin Cemetery (CL-000-00141)	24, T92N, R51W	Cemetery	HPC - GIS database	EuroAmerican	Not Eligible
	Fairview School (CL-000-00188)	21, T92N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	St. Mary's Church (UN-000-00395)	29, T93N, R50W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**UN-000-00854	30, T93N, R50W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	**UN-000-00859	30, T93N, R50W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	UN-000-00862	17, T92N, R50W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified \pm 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	Walnut Grove School	6, T92N, R50W	rural school	none	EuroAmerican	not recorded
	Midway	20, T93N, R50W	townsite	none	EuroAmerican	not recorded
	Junction City	17, T92N, R50W	townsite	none	EuroAmerican	not recorded
Vermillion	Bliss Hill Site (39CL9)	14, T92N, R52W	Artifact scatter	Emerson (1979); Palmer (2004); Byrne (2006a); Miller (2009b)		
	39CL11	14, T92N, R52W	Occupation	Bradley (1996a, 1996b)	Onseta Phase (AD 900-1700)	Eligible for NRHP
	Old Main Site (39CL12)	13, T92N, R52W & 18, T92N, R51W	Artifact scatter	Fosha (1995)	Unspecified prehistoric	not evaluated
	Poor Farm Cemetery (39CL33)	21, T92N, R51W	Burials	Hodgson (1995)	EuroAmerican	not evaluated
	**Milwaukee Railroad (39CL2007)	various	Railroad	Augustana Archaeology Lab (2009)	EuroAmerican	not evaluated
	Old West Street (39CL2034)	14, T92N, R52W	Road	none	EuroAmerican	Eligible for NRHP
	CL-000-00135	7, T92N, R51W	Building	Zimmerman (1993)	EuroAmerican	not evaluated
	CL-000-00136	7, T92N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated
	CL-000-00144	21, T92N, R51W	Building	HPC - GIS database	EuroAmerican	not evaluated

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
Meckling	Meckling Ditch (39CL2205)	22, T93N, R53W	Earthwork	Ludwickson et al. (1981); Winham (1988b); Haberman (1988, 1992); Eberhart et al. (1993); Palmer et al. (1998); Hodgson & Ranney (2002); Ranney et al. (2002); Donohue (2003); Lowe & McClland (2003); Spars (2003); Palmer (2004); Pfeipson (2005); Kogel (2005b); Lueck (2005, 2006); Byrne (2006b); Bruce (2008a, 2008b); Miller (2009c)	EuroAmerican	not evaluated
	**Milwaukee Railroad (39xx2007)	various	Railroad		EuroAmerican	Eligible for NRHP
	**CL-000-00178	26, T93N, R53W (Town of Meckling)	Building	HPC - GIS database	EuroAmerican	not evaluated
	**CL-000-00179	26, T93N, R53W (Town of Meckling)	Building	HPC - GIS database	EuroAmerican	not evaluated
	**CL-000-00180	26, T93N, R53W (Town of Meckling)	Building	HPC - GIS database	EuroAmerican	not evaluated
	CL-000-00181	27, T93N, R53W	Building	HPC - GIS database	EuroAmerican	not evaluated
				Hodgson (2001)		
St. Helena	**Milwaukee Railroad (39xx2007)	various	Railroad		EuroAmerican	Eligible for NRHP
	YK-000-00028	14, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00066	13, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00302	16, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00314	15, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	YK-000-00316	16, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00317	16, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00326	16, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00335	15, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00337	15, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
Gayville	**Milwaukee Railroad (39xx2007)	various	Railroad		EuroAmerican	Eligible for NRHP
	YK-000-00064	12, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00220	12, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00224	12, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00305	9, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00308	8, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00315	17, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00328	14, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00332	14, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00347	11, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00348	10, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00349	9, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00350	10, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**YK-000-00351	15, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00370	11, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	Gayville Cemetery (YK-000-00376)	12, T93N, R54W	Cemetery	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00384	12, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
Mission Hill	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	Mainwald et al (1996); Strait et al. (1997); Hodgson (2001); Lueck & Winham (2004); Pfelps (2006)	EuroAmerican	Eligible for NRHP
	**Milwaukee Railroad (39xx2007)	various	Railroad		EuroAmerican	Eligible for NRHP
	YK-000-00003	13, T93N, R53W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**YK-000-00040	13, T93N, R53W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00057	8, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00059	8, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00063	10, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00077	9, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00079	13, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**YK-000-00080	14, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00081	14, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**YK-000-00082	15, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00083	10, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00084	10, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	Willowdale School (YK-000-00085)	10, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
	YK-000-00086	10, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00087	10, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00101	9, T93N, R55W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00319	7, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00372	8, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**Howard School (YK-000-00374)	18, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00378	7, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	**YK-000-00380	7, T93N, R54W	Building	HPC - GIS database	EuroAmerican	not evaluated
	YK-000-00918	8, T93N, R55W	Bridge	HPC - GIS database	EuroAmerican	not evaluated
Menominee	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	Buechler & Keller (1979); Lueck (1987c); Ludwickson et al. (1981); Hannus & Gillen (1990); Shierts (1994)	EuroAmerican	Eligible for NRHP
Yankton	Federal Prison Burial (39YK52)	18, T93N, R55W	Burial	Boen (1999); Hannus (2005)	EuroAmerican	Not Eligible
	**Chicago Northwestern Railroad (39xx2003)	various	Railroad	Buechler & Keller (1979); Ludwickson et al. (1981); Lueck (1987c); Vaillancourt (2009)	EuroAmerican	Eligible for NRHP
	YK-000-00634	18, T93N, R55W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
				Hannus & Winham (1988)		

SDN Cable Route (Beresford to Yankton) - Table 2
Research Projects and Rural Cultural Properties Identified in the Vicinity of the SDN - Beresford to Yankton Project Area
 ** denotes cultural properties identified ± 500 feet of the SDN - Beresford to Yankton cable route

Quad Map	Site #	Section, Twp., Rge.	Site Type	Research Project (s)	Cultural Affiliation	Natl. Reg. Status
Gavins Point Dam	**Milwaukee Railroad (39xx2007)	various	Railroad		EuroAmerican	Eligible for NRHP
	YK-000-00634	18, T93N, R55W	Bridge	HPC - GIS database	EuroAmerican	Eligible
	YK-000-00635	18, T93N, R55W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	YK-000-00841	18, T93N, R55W	Bridge	HPC - GIS database	EuroAmerican	Eligible for NRHP
	YK-000-00861	18, T93N, R55W	Bridge	HPC - GIS database	EuroAmerican	Not Eligible
	YK-000-00918	8, T93N, R55W	Bridge	HPC - GIS database	EuroAmerican	not evaluated
				Hannus & Lueck (1988); Anderson (1998); Buhta (2009)		

of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the B-Y undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Meckling quadrangle (Figures E-8 and E-9): Past cultural resources research in the vicinity of the B-Y construction corridor on the Meckling quadrangle map has been reported by Hodgson (1991) and Lueck (2007). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the B-Y construction corridor on the Meckling quadrangle map (see Table 3).

A review of the quadrangle map indicates a segment of the historic **Milwaukee Railroad (39xx2007)** is located in the immediate vicinity (\pm 500 feet) of B-Y construction corridor. The historic Milwaukee RR in this vicinity was originally constructed by the Dakota Southern Railroad from Vermillion to Yankton in 1873 and later operated by Milwaukee Railroad (Hamburg 1981). The physical condition of features associated with the historic Milwaukee RR in the B-Y cable route locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed B-Y construction activities involving directional boring beneath extant portions of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the B-Y undertaking is expected to have **No Adverse Effect** on the significance of this resource.

St. Helena and Gayville quadrangles (Figure E-10): Past cultural resources research in the vicinity of the B-Y construction corridor on the Gayville quadrangle maps has been reported by Maiwald et al. (1996); Strait et al. (1997); Hodgson (2001); Lueck & Winham (2004); and Pfelpsen (2006). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the B-Y construction corridor on the St. Helena or Gayville quadrangle maps (see Table 3).

A review of the quadrangle map indicates a segment of the historic **Milwaukee Railroad (39xx2007)** is located in the immediate vicinity (\pm 500 feet) of B-Y construction corridor. The historic Milwaukee RR in this vicinity was originally constructed by the Dakota Southern Railroad from Vermillion to Yankton in 1873 and later operated by Milwaukee Railroad (Hamburg 1981). The physical condition of features associated with the historic Milwaukee RR in the B-Y cable route locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed B-Y construction activities involving directional boring beneath extant portions of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the B-Y undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Mission Hill, Menominee, Yankton & Gavins Point Dam quadrangles (Figures E-11 and E-12): Past cultural resources research in the vicinity of the B-Y construction corridor on the Mission Hill, Menominee, Yankton, and Gavins Point Dam quadrangle maps has been reported by Buechler and Keller (1979); Lueck (1987c); Ludwickson et al. (1981); Hannus and Lueck (1988); Hannus and Winham (1988); Hannus and Gillen (1990); Boen (1999); Shierts (1994); Anderson (1998); Hannus (2005); Vaillancourt (2009); and Buhta (2009). No archaeological sites have been reported in the immediate vicinity (\pm 500 feet) of the B-Y construction corridor on these quadrangle maps (see Table 3).

A review of the quadrangle map indicates segments of the historic **Chicago Northwestern Railroad (39xx2003)** and the historic **Milwaukee Railroad (39xx2007)** are located in the immediate vicinity (\pm 500 feet) of B-Y construction corridor (see Figure E-12). This segment of **CNW RR** was constructed from Centerville to Yankton in 1884 (Hamburg 1981). The physical condition of features associated with the historic CNW RR in the B-Y cable route locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed B-Y construction activities involving directional boring beneath extant portions of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the B-Y undertaking is expected to have **No Adverse Effect** on the significance of this resource.

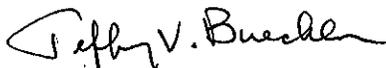
The historic **Milwaukee RR** in this vicinity was originally constructed by the Dakota Southern Railroad from Vermillion to Yankton in 1873 and later operated by Milwaukee Railroad (Hamburg 1981). The physical condition of

features associated with the historic Milwaukee RR in the B-Y cable route locality have not been documented. In South Dakota, railroads and associated structures or features, are considered **Eligible** for nomination to the National Register of Historic Places based on aspects of historical significance (criterion a) relating to the important role rail lines played in the development of the State and region (Hufstetler and Bedeau 1998). Proposed B-Y construction activities involving directional boring beneath extant portions of the railbed grade are not expected to diminish the historical significance (criterion a) of this resource. Therefore, the B-Y undertaking is expected to have **No Adverse Effect** on the significance of this resource.

Management Recommendations

In summary, SDN is proposing to undertake the expansion of its fiber-optic cable network with the construction of cable routes from Volga to Huron and Beresford to Yankton. Construction activities in previously disturbed areas and/or disturbed road ditches, as well as directional boring beneath extant portions of historic railroads are expected to have no adverse impact on historic properties. Therefore, a determination of **No Historic Properties Adversely Affected** is recommended for the proposed SDN construction activities with the stipulation that construction activities avoid cemeteries under the provisions of South Dakota statute 34-27. Should construction activities inadvertently encounter buried cultural deposits, SDN (or its contractor) is advised to halt construction in this vicinity and contact the staff at the State Historical Preservation Center (605.773.3458) in Pierre to assess the significance of the discovery.

Sincerely,



Jeff Buechler, RPA
Principal Investigator
DRS Project Number 09-71

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- Keller, Steve
1988 *Intensive Cultural Resource Survey of a Proposed Bridge Replacement Project in T110N, R57W, Sections 5 and 6, Kingsbury County, South Dakota.* Contract Investigations Series 387. State Archaeological Research Center, Rapid City, SD. [AKB-0012]
- Kogel, Troy
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- 2005b *A Cultural Resources Survey for a Proposed WalMart Shopping Center in Vermillion, Clay County, South Dakota.* [ACL-0056]
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- Latham, Mark
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- 2005 *A Level III Cultural Resource Survey of a Pipeline Relocation Project in Clay County, South Dakota.* [ACL-0077]
- 2006 *A Level III Cultural Resources Survey of an Apartment Project in Vermillion, Clay County, South Dakota.* [ACL-0064]
- 2007 *A Level III Cultural Resources Survey of the Proposed Missouri Valley Ethanol Transmission Line Corridor and Substation in Clay County, South Dakota.* [ACL-0070]
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 2003 *A Cultural Resource Assessment of areas in the NW 1/4 and the NE 1/4 of the NE 1/4 of Section 13, T92N, R52W, Clay County, South Dakota.* [ACL-0044]
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 2004 *A Level III Cultural Resource Letter Report for a Pipeline and Tank Project, T111N, R57W, Section 26, Kingsbury County, South Dakota.* [AKB-0040]
 2006 *Level III Cultural Resource, Terrace Project, Union County, South Dakota.* [AUN-0076]
 2009 *A Level III Cultural Resource Letter Report for a Shelterbelt Project, T93N, R55W, Section 14, Yankton County, South Dakota.* [AYK-0066]
- Wardlow, Roger
 1988 *Intensive Cultural Resources Survey of a Proposed Road Project U.S. 81, Lake County Line North to Jct. U.S. 14 Kingsbury, Lake and Brookings County, South Dakota.* Contract Investigations Series 443. State Archaeological Research Center, Rapid City, SD. [ESD-0089]
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- Winham, R. Peter
 1988a *Intensive Cultural Resources Survey of Portions of the AT&T Lightguide Cable Products - Sioux Falls to Pumpkin Center and Sioux Falls to Sioux City - in Minnehaha, Lincoln and Union Counties, South Dakota.* [ESD-0088]

1988b *Intensive Cultural Resource Survey for a Pipeline Replacement Project on the Vermillion River, Near Vermillion, in Clay County, South Dakota.* [ACL-0008]

Winham, R. Peter and L. Adrien Hannus

1991 *South Dakota State Plan for Archaeological Resources: 1990-1991 Update.* Prepared for the State Historical Preservation Center, Pierre, SD.

Zimmerman, Larry J.

1993 Site form information: Old West Street (39CL2034)

Appendix A

**Letter from Mr. Ched Johnson of CHR Solutions, Inc.
describing the SDN - Volga to Huron and Beresford to Yankton undertakings**



November 12, 2009

Mr. Jeff Buechler
Dakota Research Services
Cultural Research Management
13110 Michelle Drive
Rapid City, SD 57702-8501

Ref: SD 608 "016" 1.03
Archaeological Record Search & Survey

Dear Jeff:

Enclosed for your review and use are copies of the proposed routing maps for the Volga to Huron, SD and Beresford to Yankton, SD fiber optic cable project for South Dakota Network, Sioux Falls, SD. These maps are for your use in conducting an archaeological record search and survey, if needed. The entire project is proposed in the ditch or road right-of-way.

If you have any questions or comments concerning this record search survey, please feel free to contact me at (605)999-0287.

Sincerely,
CHR Solutions, Inc.

A handwritten signature in black ink, appearing to read "Ched Johnson".

Ched Johnson
Right-of-Way Coordinator

CJ/kkv
enclosure: TOPO Maps

Appendix B

Urban historic properties recorded in the general vicinity
of the SDN - Volga to Huron cable route

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
Town of Volga			
BK-000-00155			
BK-000-00261	Building	Sioux Valley School	Not Eligible
BK-000-00917	Building	Residence	
BK-000-01022	Building	Residence	
BK-000-01161	Building	Residence	
BK-000-01162	Building	Church	
BK-000-01163	Building	Residence	
BK-000-01164	Building	Church	
BK-000-01165	Building	Residence	
BK-000-01167	Building	Residence	
BK-000-01168	Building	Residence	
BK-000-01169	Building	Abandoned shed/barn	
BK-000-01170	Building	Residence	
BK-000-01171	Building	Vostad	
BK-000-01172	Building	Residence	
BK-000-01173	Building	Residence	
BK-000-01174	Building	Residence	
BK-000-01175	Building	Residence	
BK-000-01176	Building	Residence	
BK-000-01177	Building	Boy Scout Hall	
BK-000-01178	Building	Texaco Gas Station	
BK-000-01180	Building	Residence	
BK-000-01181	Building	Commercial	
BK-000-01182	Building	Residence	
BK-000-01183	Building	Residence	
BK-000-01184	Building	Residence	
BK-000-01185	Building	Residence	
BK-000-01186	Building	Residence	
BK-000-01187	Building	Church	
BK-000-01188	Building	Residence	

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
BK-000-01189	Building	Storage	
BK-000-01190	Building	Residence	
BK-000-01191	Building	Residence	
BK-000-01192	Building	Tribune	
BK-000-01193	Building	Auditorium	Listed on NRHP
BK-000-01194	Building	Barber Shop	
BK-000-01195	Building	Commercial	
BK-000-01196	Building	Car Sales	
BK-000-01197	Building	Co-op	
BK-000-01198	Building	Power Plant	
BK-000-01199	Building	Residence	
BK-000-01200	Building	Residence	
BK-000-01201	Building	Residence	
BK-000-01202	Building	Residence	
BK-000-01203	Building	Residence	
BK-000-01204	Building	Residence	
BK-000-01205	Building	Residence	
BK-000-01206	Building	Residence	
BK-000-01207	Building	Residence	
BK-000-01208	Building	Residence	
BK-000-01209	Building	Residence	
BK-000-01210	Building	Residence	
BK-000-01211	Building	Residence	
BK-000-01212	Building	Gas Station	
BK-000-01213	Building	Residence	
BK-000-01214	Building	Residence	
BK-000-01215	Building	Residence	
BK-000-01216	Building	Residence	
BK-000-01217	Building	Warehouse	
BK-000-01218	Building	Seed Warehouse	
BK-000-01219	Building	Elevator	
BK-000-01220	Building	Residence	

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
BK-000-01221	Building	Residence	
BK-000-01222	Building	Residence	
BK-000-01223	Building	Residence	
BK-000-01224	Building	Church	
BK-000-01225	Building	Residence	
BK-000-01226	Building	Residence	
BK-000-01227	Building	Residence	
BK-000-01228	Building	Residence	
BK-000-01229	Building	Residence	
BK-000-01230	Building	Residence	
BK-000-01231	Building	Residence	
BK-000-01232	Building	Residence	
BK-000-01233	Building	Residence	
BK-000-01234	Building	Residence	
BK-000-01235	Building	Residence	
BK-000-01236	Building	Residence	
BK-000-01237	Building	Residence	
BK-000-01238	Building	Residence	
BK-000-01239	Building	Residence	
BK-000-01240	Building	Residence	
BK-000-01241	Building	Residence	
BK-000-01242	Building	Residence	
BK-000-01246	Building	Residence	
BK-000-01247	Building	Residence	
BK-000-01248	Building	Residence	
BK-000-01250	Building	Residence	
BK-000-01252	Building	Residence	
BK-000-01253	Building	Residence	
BK-000-01254	Building	Residence	
BK-000-01255	Building	Residence	
BK-000-01256	Building	Residence	
BK-000-01257	Building	Residence	

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
BK-000-01259	Building	Residence	
BK-000-01260	Building	Residence	
BK-000-01271	Building	Residence	
BK-000-01279	Building	Residence	
BK-000-01281	Building	Residence	
BK-000-01282	Building	Residence	
BK-000-01283	Building	Residence	
BK-000-01284	Building	Residence	
BK-000-01285	Building	Residence	
BK-000-01286	Building	Residence	
BK-000-01287	Building	Residence	
BK-000-01288	Building	Church	
BK-000-01289	Building	Residence	
BK-000-01290	Building	Residence	
BK-000-01291	Building	Residence	
BK-000-01292	Building	Residence	
BK-000-01293	Building	Residence	
BK-000-01294	Building	Residence	
BK-000-01295	Building	Residence	
BK-000-01296	Building	Residence	
BK-000-01297	Building	Residence	
BK-000-01298	Building	Residence	
BK-000-01300	Building	Residence	
BK-000-01301	Building	Residence	
BK-000-01302	Building	Residence	
BK-000-01303	Building	Residence	
BK-000-01304	Building	Residence	
BK-000-01305	Building	Residence	
BK-000-01306	Building	Residence	
BK-000-01307	Building	Residence	
BK-000-01308	Building	Residence	
BK-000-01309	Building	Residence	

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
BK-000-01310	Building	Residence	
BK-000-01311	Building	Residence	
BK-000-01312	Building	Residence	
BK-000-01313	Building	Residence	
BK-000-01314	Building	Residence	
BK-000-01315	Building	Cafe	
BK-000-01316	Building	Commercial	
BK-000-01317	Building	Residence	
BK-000-01318	Building	Hobby Shop	
BK-000-01319	Building	Residence	
BK-000-01320	Building	Residence	
BK-000-01321	Building	Residence	
BK-000-01343	Building	Residence	
BK-000-01344	Building	Old Hospital	
BK-000-01345	Building	Comfort	
BK-000-01346	Building	Residence	
BK-000-01353	Building	Hansina House	
BK-000-01392	Building	Abandoned house	
BK-000-01403	Building	Residence	
BK-000-01460	Building	Sundet, Jokum Olson Log Cabin	Listed on State Register
BK-000-01539	Building	Martinson Tea Room	Listed on NRHP
BK-000-01725	Building	Residence	
BK-000-01732	Building	Residence	
BK-000-01733	Building	Residence	
BK-000-01736	Building	Residence	
BK-000-01738	Building	Residence	
BK-000-01739	Building	Residence	
BK-000-01740	Building	Garage	
BK-000-01741	Building	Residence	
BK-000-01742	Building	Residence	
BK-000-01743	Building	Residence	
BK-000-01744	Building	Residence	

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
BK-000-01745	Building	Residence	
BK-000-01746	Building	Residence	
BK-000-01747	Building	Storage	
BK-000-01748	Building	Residence	
BK-000-01772	Building	Residence	
BK-000-01775	Building	Volga School	
BK-000-01799	Building	Residence	
BK-000-01801	Building	Residence	
BK-000-01802	Building	Residence	
BK-000-01803	Building	Residence	
BK-000-01805	Building	Residence	
BK-000-01807	Building	Residence	
BK-000-01808	Building	Residence	
BK-000-01809	Building	Residence	
BK-000-01811	Building	Residence	
BK-000-01812	Building	Residence	
BK-000-01823	Building	Residence	
BK-000-01874	Building	Cafe	
BK-000-01885	Building	The Elite Box	
BK-000-01886	Building	Business	
BK-000-01888	Building	Doc. Milburn's	
BK-000-01889	Building	Residence	
BK-000-01898	Building	Residence	
BK-000-01921	Building	Residence	
BK-000-01922	Building	Post Office	
Town of Arlington			
KB-000-00144	Building		
KB-000-00145	Building	School	
KB-000-00146	Building		
KB-000-00147	Building		
KB-000-00148	Building		Eligible for NRHP

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00149	Building		Eligible for NRHP
KB-000-00150	Building		Eligible for NRHP
KB-000-00151	Building	House	Eligible for NRHP
KB-000-00152	Building		
KB-000-00153	Building		
KB-000-00154	Building	Arlington Farmers Elevator	Eligible for NRHP
KB-000-00155	Building	Grain Elevator	Listed on NRHP
KB-000-00156	Building		Eligible for NRHP
KB-000-00157	Building		Eligible for NRHP
KB-000-00158	Building		
KB-000-00159	Building		Eligible for NRHP
KB-000-00160	Building		
KB-000-00161	Building		Eligible for NRHP
KB-000-00162	Building		
KB-000-00163	Building		
KB-000-00164	Building		Eligible for NRHP
KB-000-00165	Building		
KB-000-00166	Building		Eligible for NRHP
KB-000-00167	Building	Methodist Episcopal Church	Eligible for NRHP
KB-000-00168	Building		Eligible for NRHP
KB-000-00169	Building		Eligible for NRHP
KB-000-00170	Building		
KB-000-00171	Building		
KB-000-00172	Building		
KB-000-00173	Building	203 3 rd Street	Listed on NRHP
KB-000-00174	Building		Eligible for NRHP
KB-000-00175	Building	Story House	Not Eligible
KB-000-00176	Building		
KB-000-00177	Building		
KB-000-00178	Building		
KB-000-00179	Building		Eligible for NRHP
KB-000-00180	Building		

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Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00181	Building	Arlington Public Schools	Eligible for NRHP
KB-000-00182	Building	Masonic Temple	Eligible for NRHP
KB-000-00183	Building	Stark & Blanch Garage	Listed on NRHP
KB-000-00184	Building	Arlington Auditorium	Eligible for NRHP
KB-000-00185	Building		
KB-000-00186	Building		
KB-000-00187	Building		Eligible for NRHP
KB-000-00188	Building		
KB-000-00189	Building		
KB-000-00190	Building		
KB-000-00191	Building		Not Eligible
KB-000-00478	Building		Not Eligible
Town of Hetland			
KB-000-00114	Building		Eligible for NRHP
KB-000-00115	Building		Eligible for NRHP
KB-000-00116	Object	Bell	
KB-000-00117	Building	Hetland Congregational Church	Eligible for NRHP
KB-000-00118	Building	Drewes House	Eligible for NRHP
KB-000-00119	Building		Eligible for NRHP
KB-000-00120	Building		Eligible for NRHP
KB-000-00121	Building		Eligible for NRHP
KB-000-00122	Building		Eligible for NRHP
KB-000-00123	Building	Town Hall	Eligible for NRHP
KB-000-00124	Building		Eligible for NRHP
KB-000-00125	Building		Eligible for NRHP
KB-000-00126	Building	First State Bank	Eligible for NRHP
KB-000-00127	Building		Eligible for NRHP
KB-000-00128	Building	Andersen Blacksmith	Eligible for NRHP
KB-000-00129	Building		Eligible for NRHP
KB-000-00130	Building	Andersen Home	Eligible for NRHP
KB-000-00131	Building	Hetland School	Listed on NRHP

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00132	Building		
KB-000-00133	Building		Eligible for NRHP
KB-000-00134	Building		
KB-000-00135	Building		
KB-000-00136	Building		
KB-000-00137	Building	Grain Elevator	Eligible for NRHP
KB-000-00138	Building	Grain Elevator	Eligible for NRHP
KB-000-00139	Building	Grain Elevator	Eligible for NRHP
KB-000-00140	Building		
KB-000-00141	Building		
KB-000-00142	Building		
KB-000-00143	Building		
Town of Lake Preston			
KB-000-00001	Building		Not eligible
KB-000-00002	Building		Eligible for NRHP
KB-000-00003	Building	Grain Elevator	Eligible for NRHP
KB-000-00004	Building		
KB-000-00005	Building		Eligible for NRHP
KB-000-00006	Building		
KB-000-00007	Building		
KB-000-00008	Building		
KB-000-00009	Building		
KB-000-00010	Building		
KB-000-00011	Building		
KB-000-00012	Building		Eligible for NRHP
KB-000-00013	Building		
KB-000-00014	Building		Eligible for NRHP
KB-000-00015	Building		Eligible for NRHP
KB-000-00016	Building		
KB-000-00017	Building		
KB-000-00018	Building		

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00019	Building		
KB-000-00020	Building		
KB-000-00021	Building		Eligible for NRHP
KB-000-00022	Building		
KB-000-00023	Building		Eligible for NRHP
KB-000-00024	Building	Dakota Apartments	
KB-000-00025	Building		Eligible for NRHP
KB-000-00026	Building		
KB-000-00027	Building		
KB-000-00028	Building		
KB-000-00029	Building		
KB-000-00030	Building		Eligible for NRHP
KB-000-00031	Building	First M.E. Church	Eligible for NRHP
KB-000-00032	Building		
KB-000-00033	Building		
KB-000-00034	Building	Grain Elevator	Eligible for NRHP
KB-000-00035	Building		
KB-000-00036	Building		Eligible for NRHP
KB-000-00037	Building		
KB-000-00038	Building		Eligible for NRHP
KB-000-00039	Building		Eligible for NRHP
KB-000-00040	Building		
KB-000-00041	Building		Eligible for NRHP
KB-000-00042	Building		
KB-000-00043	Building		Eligible for NRHP
KB-000-00044	Building		
KB-000-00045	Building		
KB-000-00046	Building		
KB-000-00047	Building		
KB-000-00048	Building		
KB-000-00049	Building		
KB-000-00050	Building		Eligible for NRHP

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Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00051	Building		
KB-000-00052	Building		
KB-000-00053	Building		
KB-000-00054	Building		Eligible for NRHP
KB-000-00055	Building		Eligible for NRHP
KB-000-00056	Building		Eligible for NRHP
KB-000-00255	Building	Lake Preston School	Listed on NRHP
KB-000-00371	Building		Eligible for NRHP
KB-000-00415	Building		Eligible for NRHP
KB-000-00450	Building	Julson House	Eligible for NRHP
KB-001-00001	Building	Dr. Rocino Office	Eligible for NRHP
KB-001-00002	Building		
KB-001-00003	Building	City Building	Eligible for NRHP
KB-001-00004	Building	Wm. Peterson	
KB-001-00005	Building		
KB-001-00006	Building	Horizon Lounge	
KB-001-00007	Building	Farmers National Bank	
KB-001-00008	Building	Chuck's Grocery	
KB-001-00009	Building		
KB-001-00010	Building	Keith Building	Eligible for NRHP
KB-001-00011	Building		
KB-001-00012	Building		
KB-001-00013	Building		
KB-001-00014	Building		
KB-001-00015	Building		
KB-001-00016	Building		
KB-001-00017	Building		
KB-001-00018	Building	Roselyn's Floral	
KB-001-00019	Building		
KB-001-00020	Building	Bank	Eligible for NRHP
KB-001-00021	Building	Masonic Temple	Eligible for NRHP
KB-001-00022	Building	W.M. Harris Garage	Eligible for NRHP

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-001-00023	Building		
KB-001-00024	Building		
KB-001-00025	Building		
KB-001-00026	Building		
KB-002-00001	District	Lake Preston Tourist Park Historic District - Restroom/ Refreshment Stand	Listed on NRHP
KB-002-00002	District	Lake Preston Tourist Park Historic District - Tennis Courts	Listed on NRHP
KB-002-00003	District	Lake Preston Tourist Park Historic District - Baseball Diamond	Listed on NRHP
KB-002-00004	District	Lake Preston Tourist Park Historic District - Bath house	Listed on NRHP
KB-002-00005	District	Lake Preston Tourist Park Historic District - Fountain	Listed on NRHP
KB-002-00006	District	Lake Preston Tourist Park Historic District - Concrete Light Pole	Listed on NRHP
KB-002-00007	District	Lake Preston Tourist Park Historic District - Entrance Pillars	Listed on NRHP
KB-002-00008	District	Lake Preston Tourist Park Historic District - Band Stand	Listed on NRHP
KB-002-00009	District	Lake Preston Tourist Park Historic District - Monument	Listed on NRHP
KB-002-00010	District	Lake Preston Tourist Park Historic District - Entrance Arch	Listed on NRHP
KB-002-00011	District	Lake Preston Tourist Park Historic District - Picnic Shelter	Listed on NRHP
KB-002-00012	District	Lake Preston Tourist Park Historic District - Metal Lamp Posts	Listed on NRHP
KB-002-00013	District	Lake Preston Tourist Park Historic District - Checkerboard	Listed on NRHP
KB-002-00014	District	Lake Preston Tourist Park Historic District - Horseshoe Pits	Listed on NRHP
KB-002-00015	District	Lake Preston Tourist Park Historic District - Shuffle Board	Listed on NRHP
KB-002-00016	District	Lake Preston Tourist Park Historic District - Quonset Huts	Listed on NRHP
KB-002-00017	District	Lake Preston Tourist Park Historic District - Cannon	Listed on NRHP
KB-002-00018	District	Lake Preston Tourist Park Historic District - Picnic Shelter	Listed on NRHP
KB-002-00019	District	Lake Preston Tourist Park Historic District - Time Capsule	Listed on NRHP
KB-002-00020	District	Lake Preston Tourist Park Historic District - Swimming Pool	Listed on NRHP
KB-002-00021	District	Lake Preston Tourist Park Historic District - Kiddy Pool	Listed on NRHP
KB-002-00022	District	Lake Preston Tourist Park Historic District - Wooden Sign	Listed on NRHP
KB-002-00023	District	Lake Preston Tourist Park Historic District - Playground Equipment	Listed on NRHP
KB-002-00024	District	Lake Preston Tourist Park Historic District - Bleachers	Listed on NRHP
KB-002-00025	District	Lake Preston Tourist Park Historic District - Drinking Fountain	Listed on NRHP

Town of De Smet

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00192	Building	De Smet Waterworks	Eligible for NRHP
KB-000-00193	Building	Front Street & Highway 25	
KB-000-00194	Building	109 Front Street	
KB-000-00195	Building		
KB-000-00196	Building	School No. 1 (LeSeur Township)	
KB-000-00197	Building	105 Olivet Avenue	Eligible for NRHP
KB-000-00198	Building	104 Amoret Avenue	
KB-000-00199	Building	101 Joliet Avenue	Eligible for NRHP
KB-000-00200	Building	502 NW 1 st Street	
KB-000-00201	Building	803 SW 2 nd Street	
KB-000-00202	Building	713 Sw 2 nd Street	
KB-000-00203	Building	604 SW 2 nd Street	Eligible for NRHP
KB-000-00204	Building	511 SW 2 nd Street	
KB-000-00205	Building	510 SW 2 nd Street	
KB-000-00206	Building	2 nd Street	Eligible for NRHP
KB-000-00207	Building	410 SW 2 nd Street	Eligible for NRHP
KB-000-00208	Building	A.W. Stone House	Eligible for NRHP
KB-000-00209	Building	410 SW 2 nd Street	
KB-000-00210	Building	314 SW 2 nd Street	
KB-000-00211	Building	308 SW 2 nd Street	Eligible for NRHP
KB-000-00212	Building	SW 2 nd Street	Eligible for NRHP
KB-000-00213	Building	206 SW 2 nd Street	
KB-000-00214	Building	St. Stephens Episcopal Church	Eligible for NRHP
KB-000-00215	Building	Couse Block	
KB-000-00216	Building	Healy Block	
KB-000-00217	Building	Peoples State Bank	Eligible for NRHP
KB-000-00218	Building	110 SE 2 nd Street	
KB-000-00219	Building	302 SE 2 nd Street	
KB-000-00220	Building	303 SE 2 nd Street	
KB-000-00221	Building	301 SE 2 nd Street	
KB-000-00222	Building	210 SE 3 rd Street	
KB-000-00223	Building	Joliet Avenue & SE 3 rd Street	Eligible for NRHP

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00224	Building	Joliet Avenue	
KB-000-00225	Building	210 SE Joliet Avenue	
KB-000-00226	Building	205 Se Joliet Avenue	Eligible for NRHP
KB-000-00227	Building	Masonic Lodge Temple	
KB-000-00228	Building	City Hall	
KB-000-00229	Building	105 SE 3 rd Street	
KB-000-00230	Building	107 SE 3 rd Street	
KB-000-00231	Building	203 SW 3 rd Street	
KB-000-00232	Building	SW 3 rd Street	Eligible for NRHP
KB-000-00233	Building	506 SW 3 rd Street	
KB-000-00234	Building	St. Thomas Aquinas Church	Eligible for NRHP
KB-000-00235	Building	602 SW 3 rd Street	
KB-000-00236	Building	610 SW 3 rd Street	
KB-000-00237	Building	SW 3 rd Street	
KB-000-00238	Building	Washington Park	Eligible for NRHP
KB-000-00239	Building	Lutheran Church	Eligible for NRHP
KB-000-00240	Building	309 SW 4 th Street	
KB-000-00241	Building	305 SW 4 th Street	
KB-000-00242	Building	303 SW 4 th Street	
KB-000-00243	Building	206 SW 4 th Street	
KB-000-00244	Building	Ingalls Home	Listed on NRHP
KB-000-00245	Building	Depot	Listed on NRHP
KB-000-00246	Building	Kingsbury County Courthouse	Listed on NRHP
KB-000-00248	Building	Surveyor's Shanty	Listed on NRHP
KB-000-00253	Building	Prairie Manor Bed & Breakfast	Listed on NRHP
KB-000-00256	Building	De Smet High School	Not Eligible
KB-000-00431	Building	303 SD Highway 14	
KB-000-00446	Building	SW 6 th & Highway 25	
KB-000-00447	Building	310 Poinsett Avenue	
KB-000-00448	Building	Poinsett Avenue & Highway 25	
KB-000-00449	Building	4 th Street	
KB-000-00451	Building	602 Poinsett	Eligible for NRHP

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
Town of Iroquois			
BE-000-00389	Building	House	Not Eligible
BE-000-00390	Building	House	Not Eligible
BE-000-00391	Building	House	Not Eligible
BE-000-00392	Building	House	Not Eligible
BE-000-00393	Building	House	Not Eligible
BE-000-00394	Building	Keating House	Not Eligible
BE-000-00395	Building	House	Not Eligible
BE-000-00396	Building	House	Not Eligible
BE-004-00003	Building	Barn	Not Eligible
KB-000-00291	Building		Eligible for NRHP
KB-000-00297	Building	Bank of Iroquois	Listed on NRHP
KB-000-00298	Building	Grain Elevator	Eligible for NRHP
KB-000-00299	Building		Eligible for NRHP
KB-000-00300	Building	Peavey Elevator	Eligible for NRHP
KB-000-00301	Building		Eligible for NRHP
KB-000-00302	Building		Eligible for NRHP
KB-000-00304	Building		Eligible for NRHP
KB-000-00306	Building		Eligible for NRHP
KB-000-00315	Building		Eligible for NRHP
KB-000-00319	Building		Eligible for NRHP
KB-000-00320	Building		Eligible for NRHP
KB-000-00321	Building		Eligible for NRHP
KB-000-00322	Building		Eligible for NRHP
KB-000-00323	Building		Eligible for NRHP
KB-000-00324	Building		Eligible for NRHP
KB-000-00325	Building		Eligible for NRHP
KB-000-00327	Building		Eligible for NRHP
KB-000-00328	Building		Eligible for NRHP
KB-000-00329	Building		Eligible for NRHP
KB-000-00330	Building	A. Gaudin	Eligible for NRHP

SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
KB-000-00331	Building	Fisher & Greer Building	Eligible for NRHP
KB-000-00332	Building	Masonic Hall/Bank	Eligible for NRHP
KB-000-00334	Building		Eligible for NRHP

Town of Cavour

BE-000-00052	Building	Cavour Elementary School	Not Eligible
BE-000-00397	Building	Commercial Block	Not Eligible
BE-000-00398	Building	House	Not Eligible
BE-000-00399	Building	House	Not Eligible
BE-000-00400	Building	House	Not Eligible
BE-000-00401	Building	House	Not Eligible
BE-000-00402	Building	House	Not Eligible
BE-000-00403	Building	House	Not Eligible
BE-000-00404	Building	House	Not Eligible
BE-000-00405	Building	St. Patrick's Catholic Church	Not Eligible
BE-000-00406	Building	House	Not Eligible
BE-000-00407	Building	Church	Not Eligible
BE-000-00408	Building	Jacobs House	Not Eligible
BE-000-00409	Building	House	Not Eligible
BE-000-00410	Building	House	Not Eligible
BE-000-00411	Building	House	Not Eligible
BE-000-00412	Building	House	Not Eligible
BE-000-00413	Building	House	Not Eligible
BE-000-00414	Building	House	Not Eligible
BE-000-00415	Building	House	Not Eligible
BE-000-00416	Building	House	Not Eligible
BE-000-00483	Building	House	Not Eligible
BE-000-02926	Structure	Water Tower	Eligible for NRHP
BE-000-03600	Building	Formstone-Clad Building	Not Eligible
BE-000-03601	Building	Grain Elevator	Not Eligible

City of Huron (Morningside Neighborhood)

BE-000-01790	Building	House	Not Eligible
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SDN - Volga to Huron Project Area - Appendix B
Urban Historic Properties Identified in the Vicinity of the V-H Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
BE-000-01827	Building	House	Not Eligible
BE-000-01829	Building	House	Not Eligible
BE-000-01830	Building	House	Not eligible
BE-000-01832	Building	House	Not Eligible
BE-000-01835	Building	House	Not Eligible
BE-000-01840	Building	House	Not Eligible

Appendix C

**USGS quadrangle maps showing the SDN - Volga to Huron cable route
and archaeological sites identified in the immediate vicinity (\pm 500 feet) of th V-H cable route**

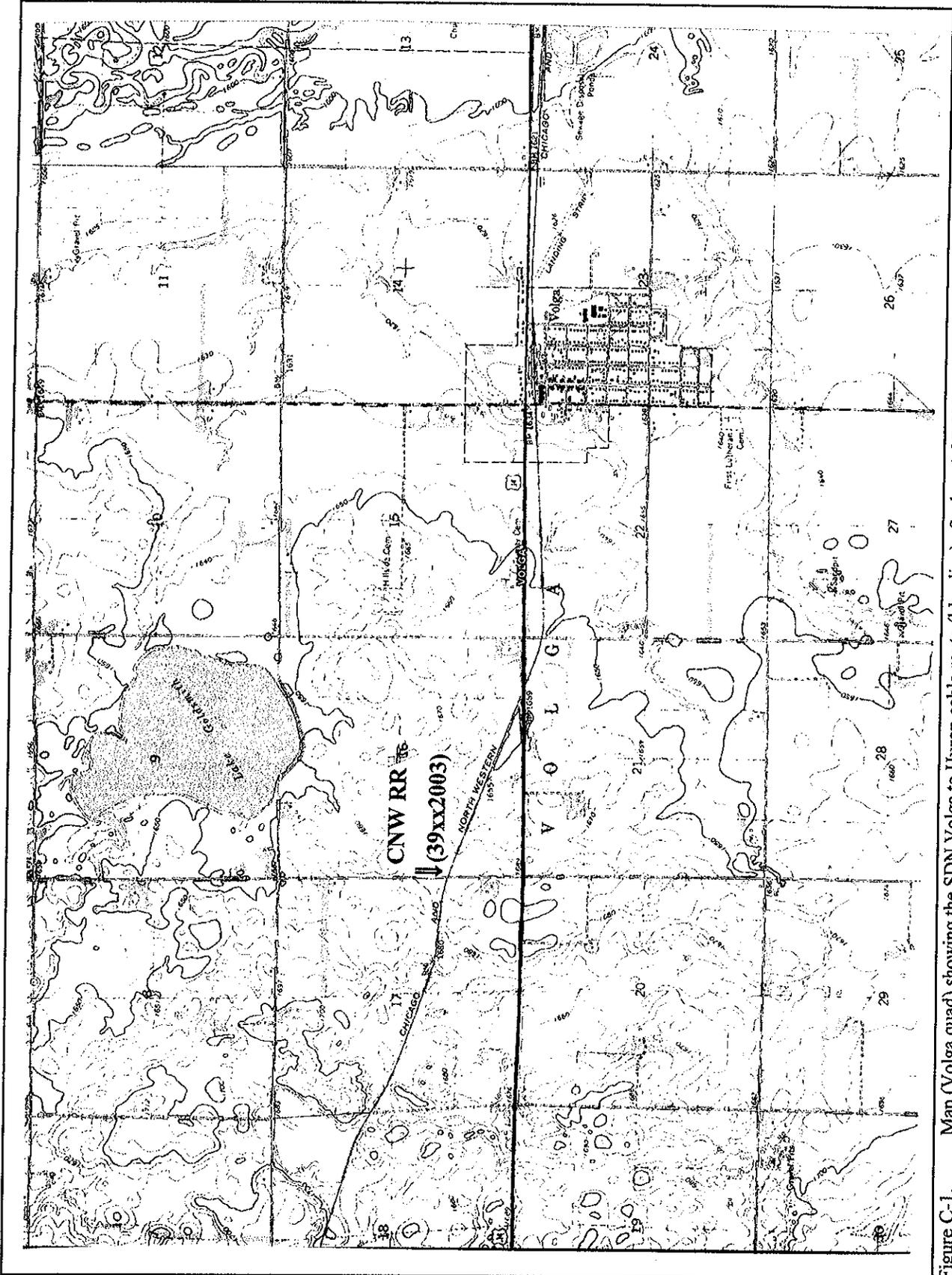


Figure C-1. Map (Volga quad) showing the SDN Volga to Huron cable route (blue line). Scale = 1:37,500.

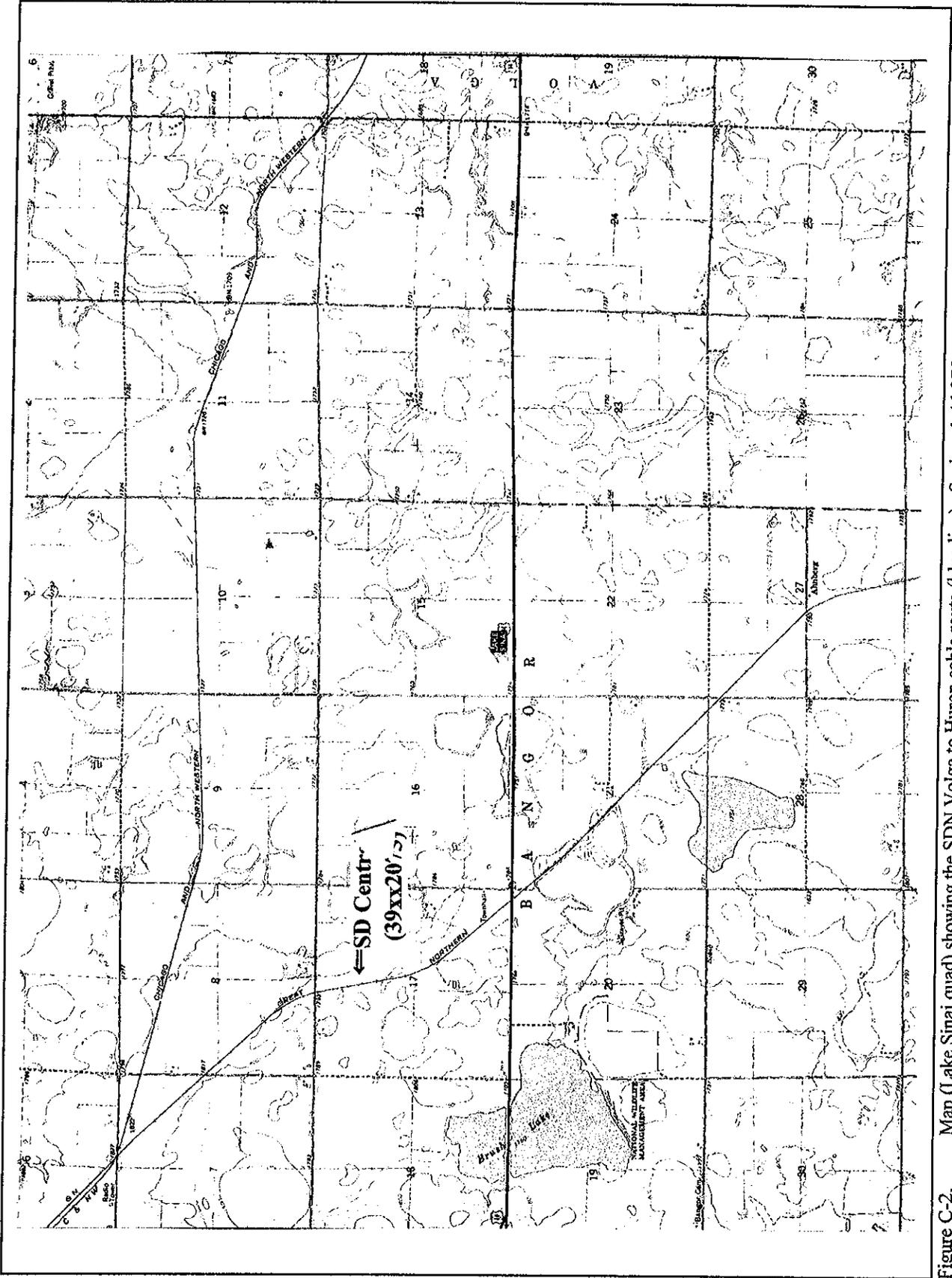


Figure C-2. Map (Lake Sinai quad) showing the SDN Volga to Huron cable route (blue line). Scale = 1:46,875.

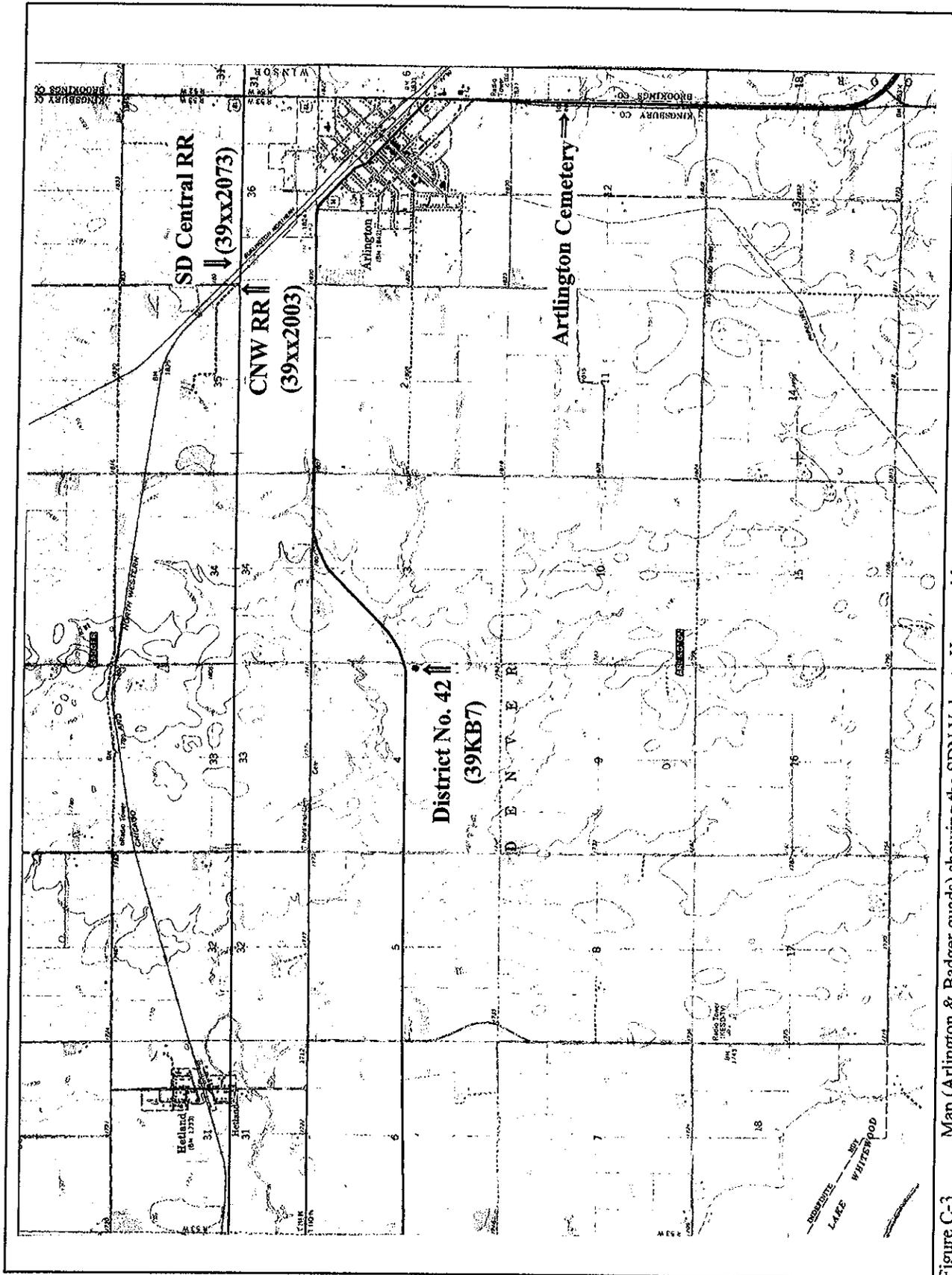


Figure C-3. Map (Arlington & Badger quads) showing the SDN Volga to Huron cable route (blue line). Scale = 1:46,875.

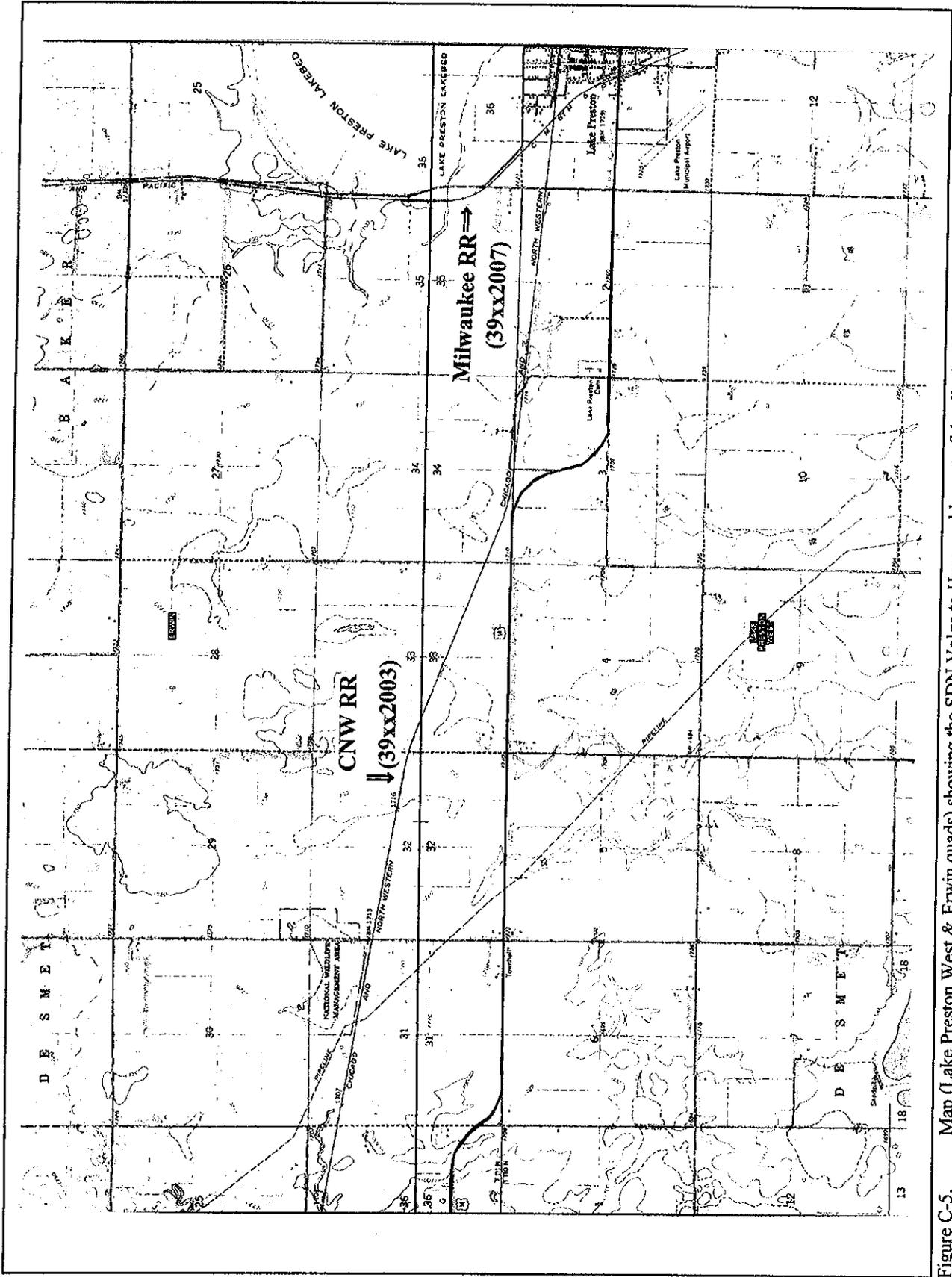


Figure C-5. Map (Lake Preston West & Erwin quads) showing the SDN Volga to Huron cable route (blue line). Scale = 1:46,875.

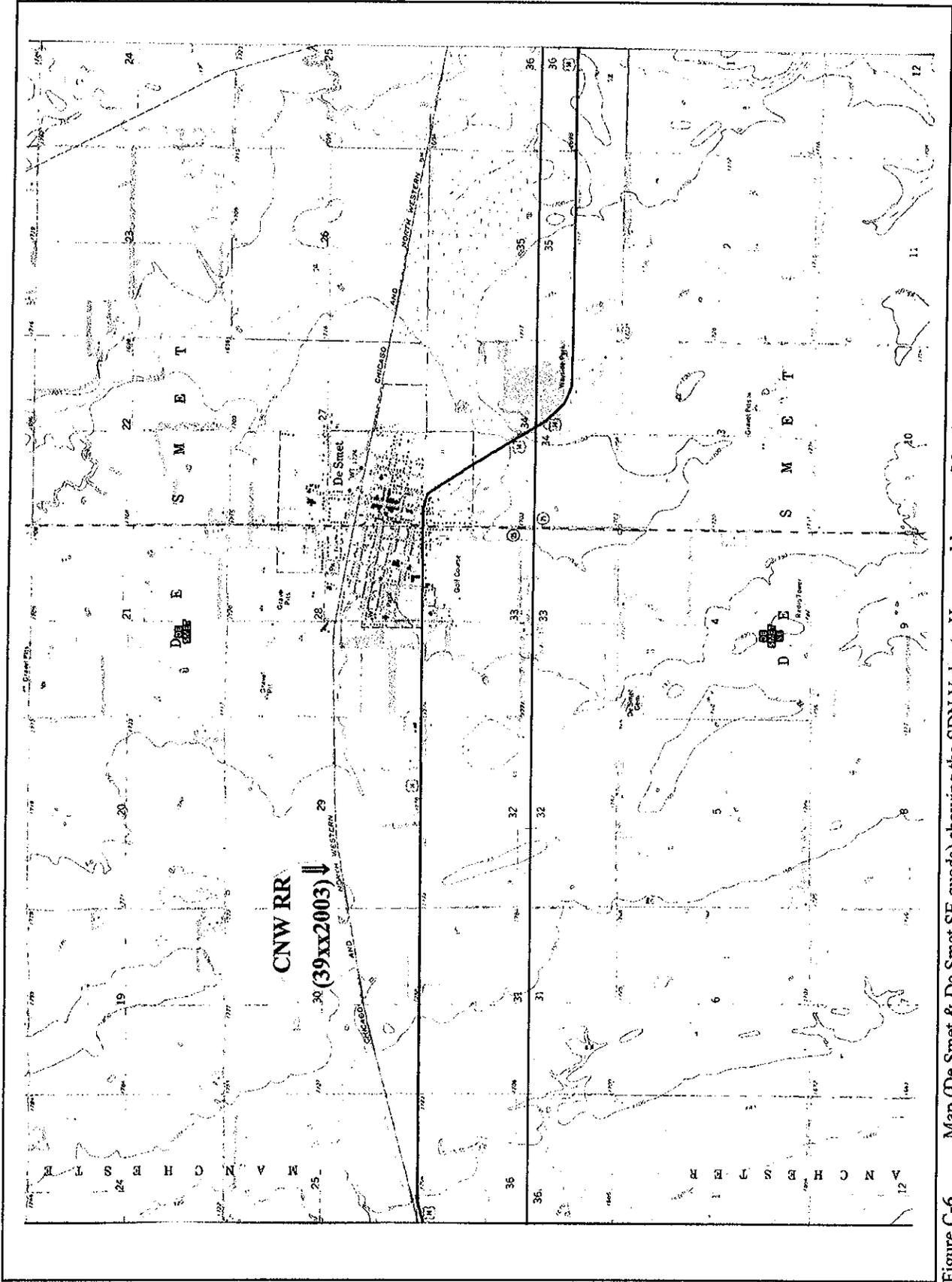


Figure C-6. Map (De Smet & De Smet SE quads) showing the SDN Volga to Huron cable route (blue line). Scale = 1:46,875.

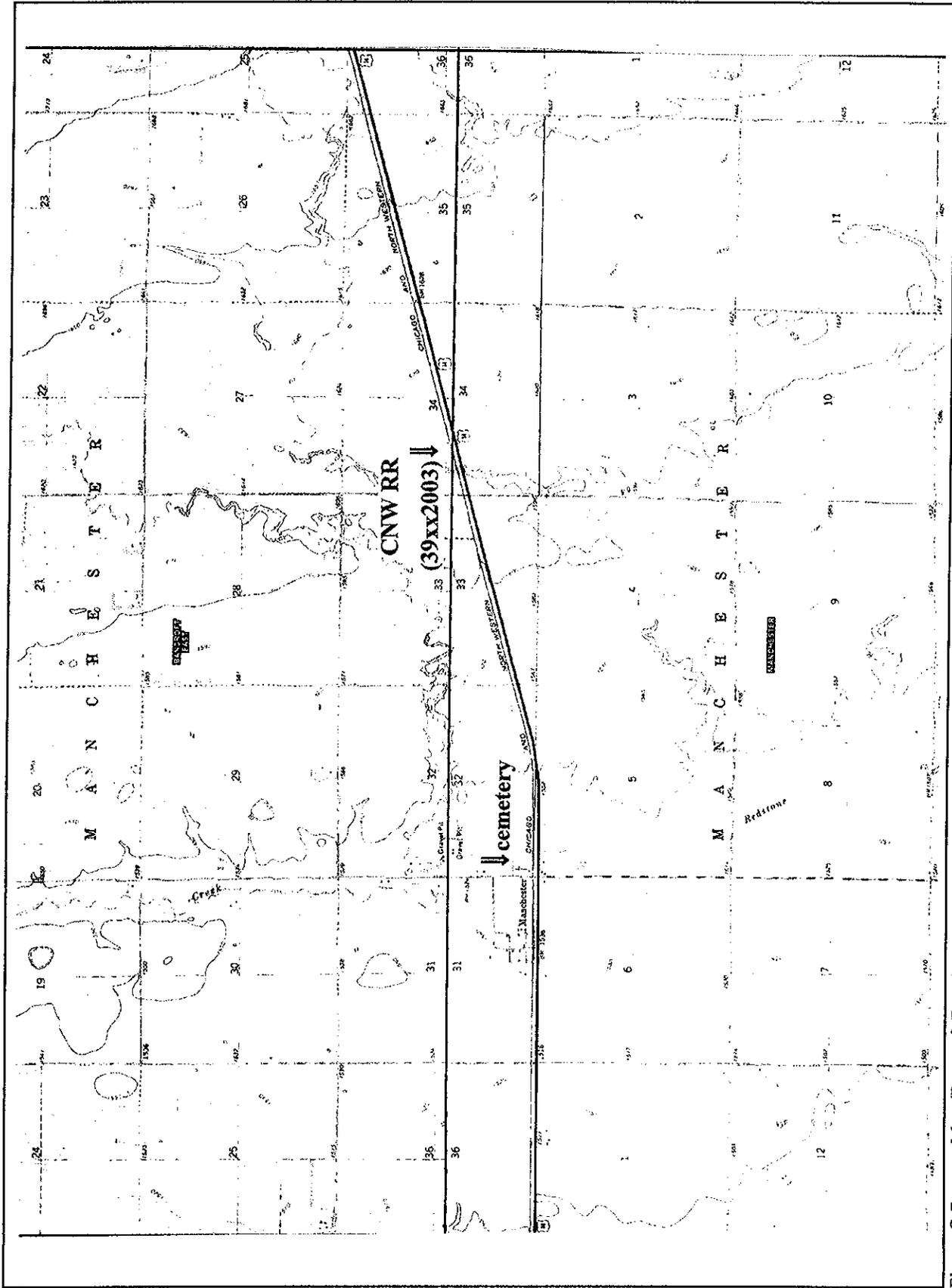


Figure C-7. Map (Bancroft East & Manchester quads) showing the SDN Volga to Huron cable route (blue line). Scale = 1:46,875.

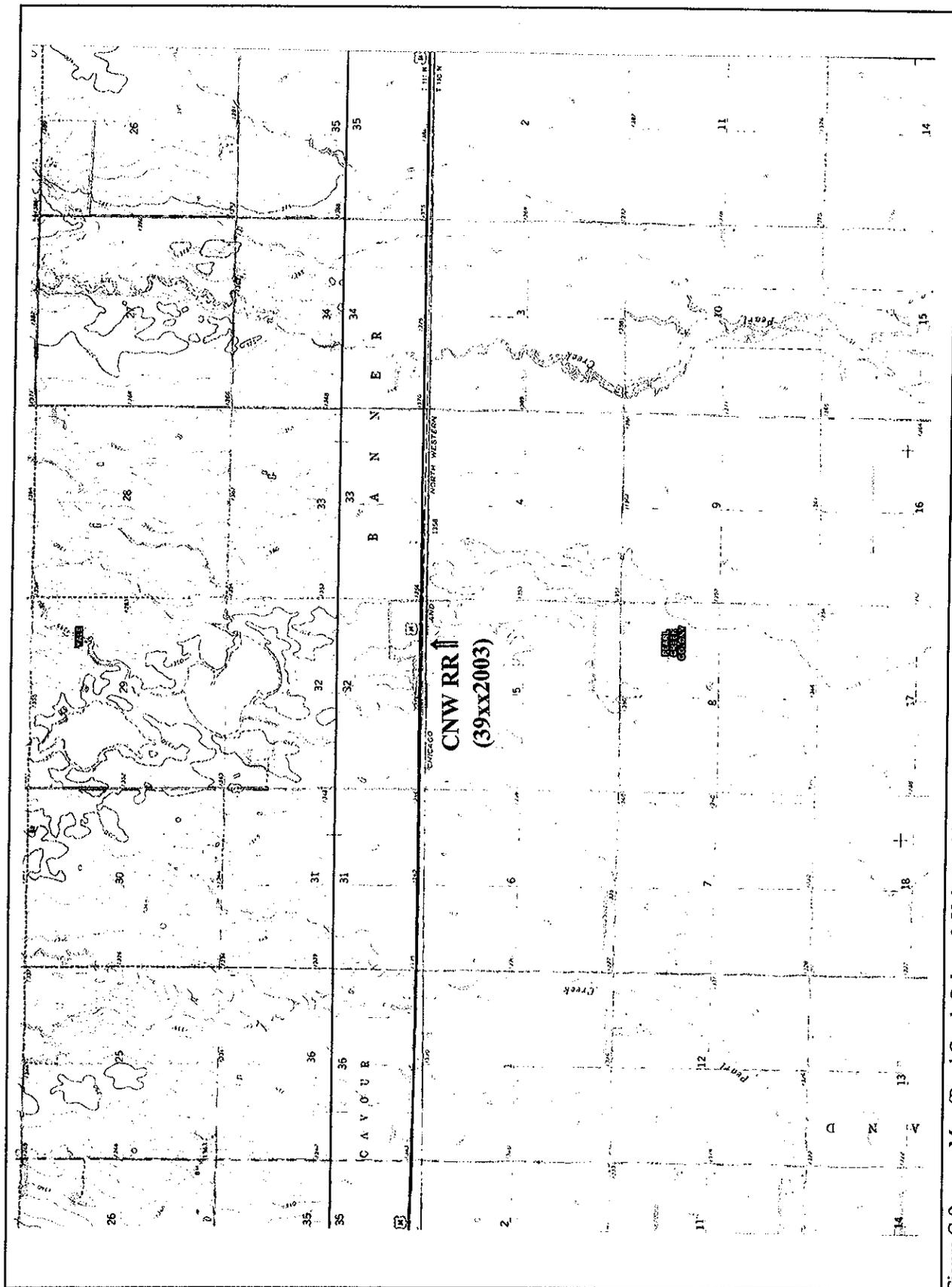


Figure C-9. Map (Pearl Creek Colony & Yale quads) showing the SDN Volga to Huron cable route (blue line). Scale = 1:46,875.

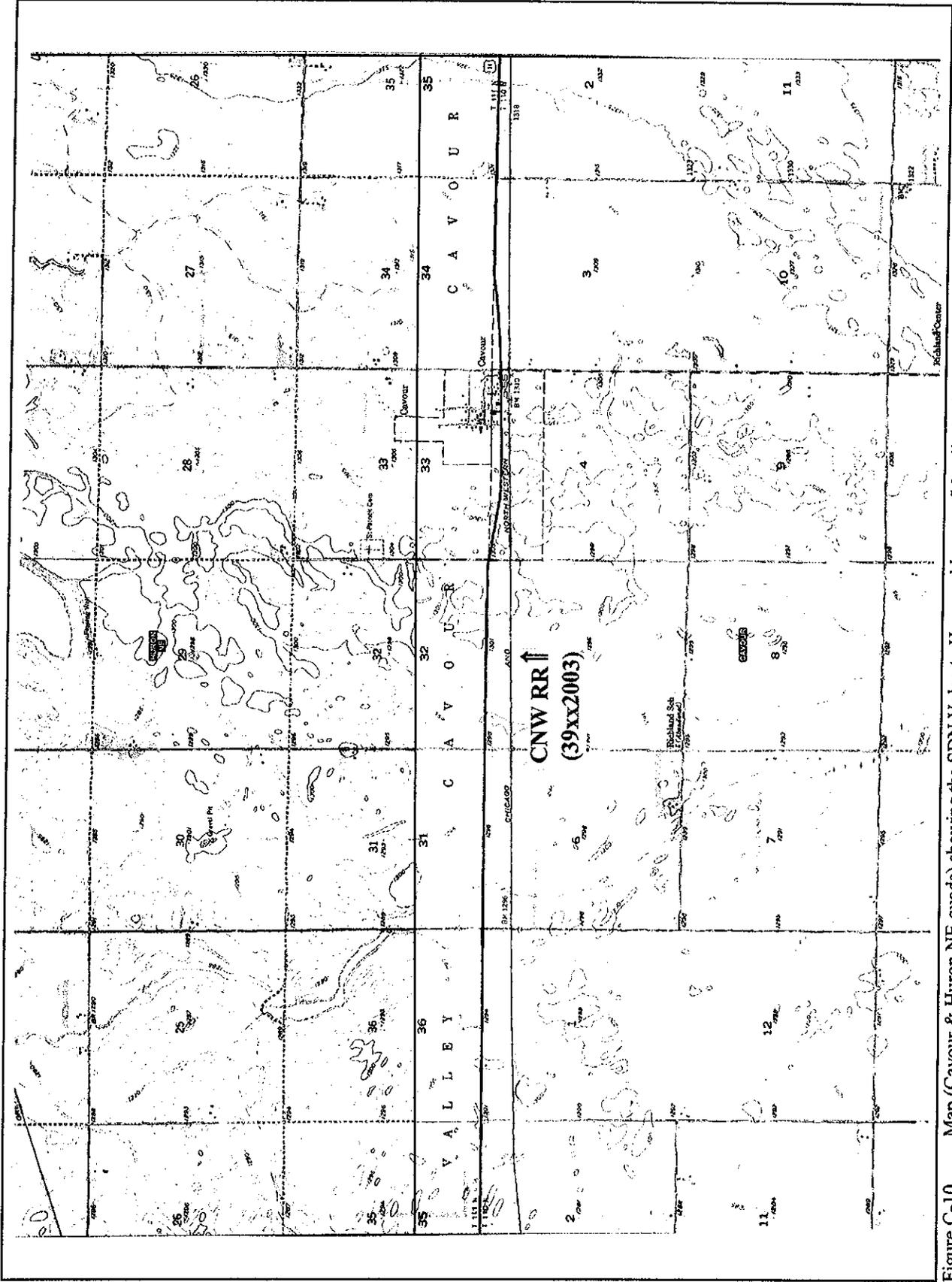


Figure C-10. Map (Cavour & Huron NE quads) showing the SDN Volga to Huron cable route (blue line). Scale = 1:46,875.

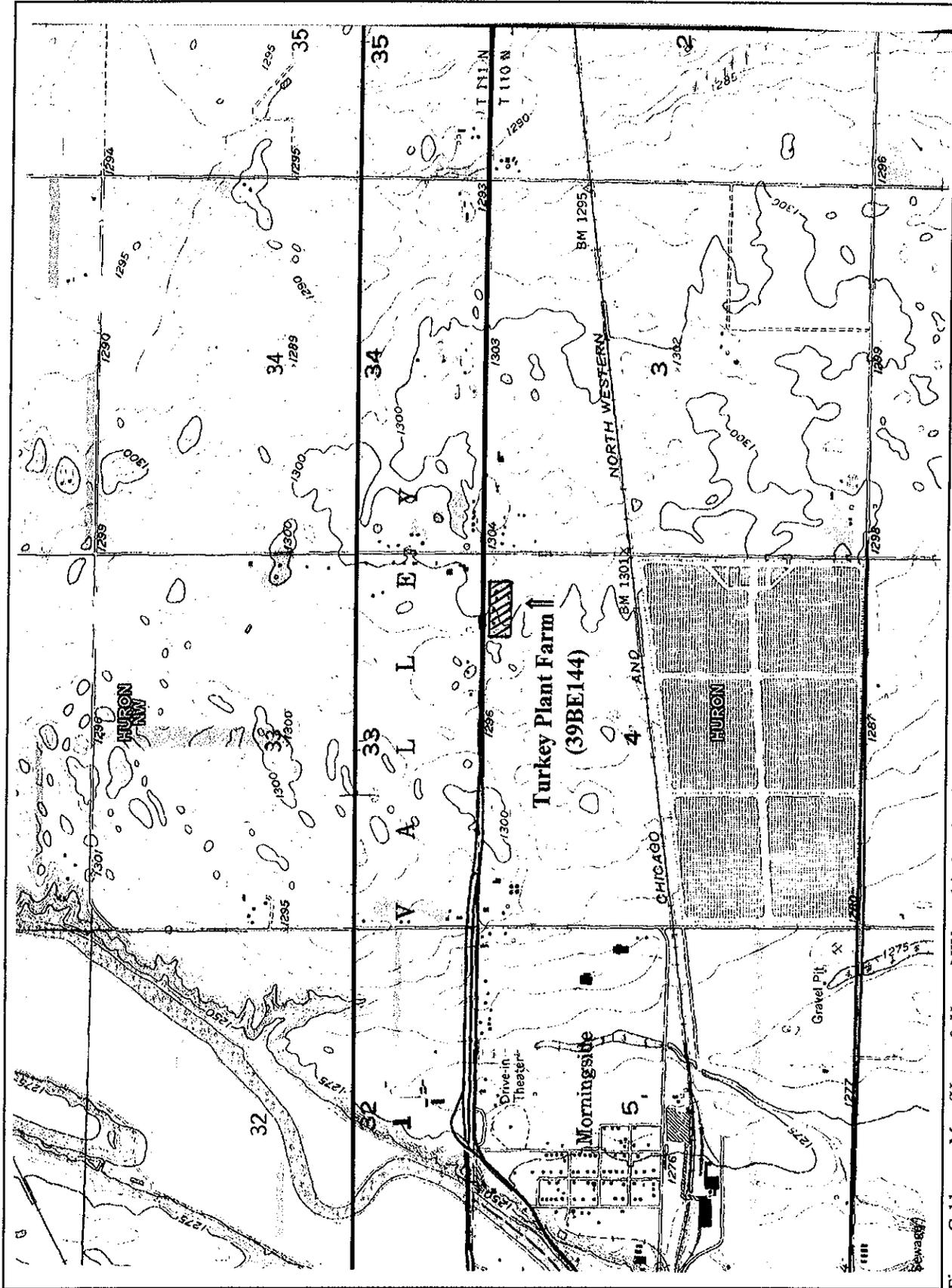


Figure C-11. Map (Huron & Huron NW quads) showing the SDN Volga to Huron cable route (blue line). Scale = 1:24,000.

Appendix D

**Urban historic properties recorded in the general vicinity
of the SDN - Beresford to Yankton cable route**

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
Town of Beresford			
UN-000-00131	Building	Beresford High School	Not Eligible
UN-000-00455	Building	Jurgensen Residence	
UN-000-00458	Building	Elevators	
UN-000-00459	Building	Commercial Buildings	
UN-000-00460	Building	Commercial Buildings	
UN-000-00461	Building	Commercial Buildings	
UN-000-00462	Building	Commercial Buildings	
UN-000-00463	Building	Commercial Buildings	
UN-000-00464	Building	Commercial Buildings	
UN-000-00465	Building	Baird Residence	
UN-000-00467	Building	St. Theresa's Catholic Church	
UN-000-00469	Building	Beresford Methodist Church	
UN-000-00470	Building	Anderson Residence	
UN-000-00471	Building	Dr. A.V. Elliot Residence	
UN-000-00479	Building	Residence	
UN-000-00531	Building	Beresford Post Office	
UN-000-00804	Building	Doug & Carol Nygaard House	Listed on NRHP
UN-000-00805	Building	Old Depot	Listed on NRHP
UN-000-00808	Building	Philip O. Peterson	Listed on NRHP
UN-000-00810	Building		Listed on NRHP
UN-000-0-811	Building	Senator Scroggs House	Listed on State Register of Historic Places
City of Vermillion			
CL-000-00023	Building	Fuller Residence	
CL-000-00024	Building	Gray Residence	
CL-000-00025	Building	Lambda Chi Alpha Fraternity	
CL-000-00026	Building	Morgan Davidson House	
CL-000-00027	Building	Pi Beta Phi Sorority	Eligible for NRHP
CL-000-00028	Building	Meisenholders Residence	
CL-000-00045	Building	Rasmussen Residence	Not Eligible

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00059	Building	Phil Crew	
CL-000-00060	Building	Kappa Alpha Theta Sorority	
CL-000-00061	Building	Parry Residence	
CL-000-00062	Building	Dogde Dealership	
CL-000-00063	Building	Sigma Nu House	
CL-000-00064	Building	The "Old Eyebrow House"	
CL-000-00065	Building	Lee Residence	
CL-000-00066	Building	Dillon Residence	
CL-000-00067	Building	Ruelle Residence	
CL-000-00068	Building	Wilson Residence	
CL-000-00069	Building	Ashmore Residence	
CL-000-00070	Building	Brunick Residence	
CL-000-00071	Building	Schopp Residence	
CL-000-00072	Building	Colter Residence	Listed on NRHP
CL-000-00073	Building	Thompson Residence	
CL-000-00074	Building	Vermillion Grade School	
CL-000-00075	Building	Harrington Residence	
CL-000-00076	Building	Larson Residence	
CL-000-00077	Building	Moriarty Residence	
CL-000-00079	Building	Lounsberry	
CL-000-00080	Building	Peterson Residence	
CL-000-00081	Building	Beran Residence	
CL-000-00082	Building	Ciofalo Residence	
CL-000-00083	Building	Stevens Residence	
CL-000-00084	Building	Ulm Acher Residence	
CL-000-00085	Building	Jacobsen Residence	
CL-000-00086	Building	Johnson Residence	
CL-000-00087	Building	Hirsch Residence	
CL-000-00088	Building	Apartments	
CL-000-00089	Building	Chinatown	
CL-000-00090	Building	Dakota Hospital	
CL-000-00091	Building	Ward Residence	

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00092	Building	Nelson Residence	
CL-000-00093	Building	Delta Tau Delta Fraternity	
CL-000-00094	Building	Nursery School Child Development Center	not evaluated
CL-000-00095	Building		
CL-000-00096	Building	Olsen Residence	
CL-000-00097	Building	411 National	not evaluated
CL-000-00098	Building	Hanson Residence	
CL-000-00099	Building	Van Balen Residence	
CL-000-00100	Building	Apartments	
CL-000-00101	Building	Lloyd & Marye Menard Residence	
CL-000-00102	Building	United Church of Christ	
CL-000-00104	Building	Apartment	
CL-000-00105	Building	Dawsen Residence	
CL-000-00106	Building	Van Why Residence	
CL-000-00107	Building	Burch Residence	
CL-000-00108	Building	The Alamo	
CL-000-00109	Building	Elias	
CL-000-00110	Building	Iverson Residence	
CL-000-00111	Building	Ritter Residence	
CL-000-00112	Building	Apartments	
CL-000-00113	Building	Anderson Residence	
CL-000-00114	Building	Episcopal Church & Parsonage	
CL-000-00115	Building	Johnson Residence	
CL-000-00116	Building	SESE Activity Center	
CL-000-00202	Building	Jorgenson Residence	
CL-000-00235	Building	Rex Shoe Repair	Listed on NRHP
CL-000-00236	Building	20 Elm Street	
CL-000-00237	Building	22 Elm Street	
CL-000-00238	Building	Grey Apartments	
CL-000-00239	Building	Meins Residence	
CL-000-00240	Building	Studio 109	
CL-000-00241	Building	Leikvold Residence	

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00242	Building	Lawonsen Residence	
CL-000-00243	Building	205 Elm Street	
CL-000-00244	Building	Eyre Residence	
CL-000-00245	Building	Flanagan Residence	
CL-000-00246	Building	302 Elm Street	
CL-000-00247	Building	106 Elm Street	
CL-000-00248	Building	10 East National	
CL-000-00249	Building	106 Elm Street	
CL-000-00250	Building	Meyer's House	
CL-000-00251	Building	218-20 Elm Street	
CL-000-00252	Building	Fashion Shoes	
CL-000-00253	Building	Vermillioin Beauty Shop	Listed on NRHP
CL-000-00254	Building	Varsity Pub	Listed on NRHP
CL-000-00255	Building	Coyote Barber Shoop	Listed on NRHP
CL-000-00256	Building	213 Elm Street	
CL-000-00257	Building	325 Center Street	
CL-000-00258	Building	25 Bloomingdale	
CL-000-00259	Building	Ravi House	
CL-000-00260	Building	Millage's	
CL-000-00261	Building	32 East Dartmouth Street	
CL-000-00262	Building	16 East Dartmouth Street	
CL-000-00263	Building	20 East Dartmouth Street	
CL-000-00264	Building	26 East Dartmouth Street	
CL-000-00265	Building	316 Center Street	
CL-000-00266	Building	326 Dartmouth Street	
CL-000-00267	Building	311 Elm Street	
CL-000-00268	Building	17 Dartmouth Street	
CL-000-00269	Building	105 East Dartmouth Street	
CL-000-00270	Building	427 Cottage Street	
CL-000-00271	Building	303 Franklin Street	
CL-000-00272	Building	311 Franklin Street	
CL-000-00273	Building	327 Dartmouth	

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00274	Building	Stephens House	
CL-000-00275	Building	529 Elm Street	
CL-000-00276	Building	Whitey	
CL-000-00277	Building	314 Elm Street	
CL-000-00278	Building	323 Elm Street	
CL-000-00279	Building	Outbuildings - Center Street	
CL-000-00280	Building	324 Prospect Street	
CL-000-00282	Building	317 Center Street	
CL-000-00283	Building	Armory	
CL-000-00285		Missouri Weave Mural	
CL-000-00291	Building	Millard Residence	
CL-000-00293	Building	5 South Dakota Street	
CL-000-00305	Building	422 Dakota Street	
CL-000-00306	Building	First Assembly of God	
CL-000-00307	Building	Jervis	
CL-000-00308	Building	Pete's	
CL-000-00309	Building	125 Elm Street	
CL-000-00310	Building	212 Dakota Street	
CL-000-00311	Building	202 Dakota Street	
CL-000-00312	Building	112 Dakota Street	
CL-000-00313	Building	202 Dakota Street	
CL-000-00314	Building	Berntson Residence	
CL-000-00315	Building	Power Plant	
CL-000-00316	Building	Steinhouse	
CL-000-00317	Building	211 Center Street	
CL-000-00318	Building	302 Center Street	
CL-000-00319	Building	309 Prospect Street	
CL-000-00320	Building	602 Dakota Street	
CL-000-00321	Building	622 Dakota Street	
CL-000-00322	Building	406 Dakota Street	
CL-000-00323	Building	504 Dakota Street	
CL-000-00324	Building	Hansen Residence	

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00325	Building	Bunyan's Station	
CL-000-00326	Building	829 Cedar Street	
CL-000-00327	Building	Carter Residence	
CL-000-00328	Building	Dr. Viers Residence	
CL-000-00329	Building	226 Center Street	
CL-000-00330	Building	Johnson's Law Office	Listed on NRHP
CL-000-00331	Building	Linda Creehan Dance Studio/Gregory Office	Listed on NRHP
CL-000-00332	Building	Mallon House	
CL-000-00333	Building	Rohde House	
CL-000-00334	Building	Convent House	
CL-000-00335	Building	105 High Street	
CL-000-00336	Building	Hanson House	
CL-000-00337	Building	Mount House	
CL-000-00338	Building	116 Center Street	
CL-000-00339	Building	shed in alley	
CL-000-00340	Building	Davis Pharmacy	Listed on NRHP
CL-000-00341	Building	213 High Street	
CL-000-00342	Building	114 Cedar Street	
CL-000-00343	Building	202½ Prospect Street	
CL-000-00344	Building	225 High Street	
CL-000-00345	Building	Dentist Office	
CL-000-00346	Building	218 Center Street	
CL-000-00347	Building	101 Prospect Street	
CL-000-00348	Building	Chiropractor Office	
CL-000-00349	Building	204 Center Street	
CL-000-00350	Building	Barn	
CL-000-00351	Building	Charcoal Lounge	Listed on NRHP
CL-000-00352	Building	Beaty Residence	
CL-000-00353	Building	Olson Residence	
CL-000-00354	Building	Poe Residence	
CL-000-00355	Building	Bogue Residence	
CL-000-00356	Building	Coffee Shop & Looking Glass Shop	

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Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00359	Building	Butler's Gallery	
CL-000-00360	Building	Morgan House	
CL-000-00361	Building	R Pizza/Vermillion Theater/Players	Listed on NRHP
CL-000-00362	Building	State Farm	Listed on NRHP
CL-000-00363	Building	Chae's	Listed on NRHP
CL-000-00364	Building	119 Elm Street	
CL-000-00365	Building	Gentlemen's Quarters	Listed on NRHP
CL-000-00366	Building	Prentis Residence	
CL-000-00367	Building	Malone's	Listed on NRHP
CL-000-00368	Building	Citizen's Bank	Listed on NRHP
CL-000-00369	Building	Coffee Shop Gallery/Carey's	Listed on NRHP
CL-000-00370	Building	Carey's	Listed on NRHP
CL-000-00371	Building	16 West Main	Listed on NRHP
CL-000-00372	Building	Iverson Furniture	Listed on NRHP
CL-000-00373	Building	First Permanent Schoolhouse	
CL-000-00374	Building	123 North Franklin Street	
CL-000-00375	Building	Grange Livery Stable	Listed on NRHP
CL-000-00376	Building	City Hall	Eligible for NRHP
CL-000-00377	Building	102 Austin Street	
CL-000-00378	Building	Lyon Residence	
CL-000-00379	Building	Gymnastic Center	
CL-000-00380	Building	403 West Main Street	
CL-000-00381	Building	327 Prospect Street	
CL-000-00382	Building	25 North Franklin Street	
CL-000-00383	Building	16 North Luxembourg	
CL-000-00384	Building	100 North Washington Street	
CL-000-00385	Building	County Garage & Workshop	
CL-000-00386	Building	106 North Washington Street	
CL-000-00387	Building	Rauk House	
CL-000-00388	Building	415 West Main Street	
CL-000-00389	Building	Charcoal Lounge/Squire Shop	Listed on NRHP
CL-000-00390	Building	317 West Main Street	

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Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00391	Building	Banasiak House	
CL-000-00392	Building	Governor Lee House	
CL-000-00393	Building	Rasmussen Pontiac	
CL-000-00394	Building	Steve's Plumbing	
CL-000-00395	Building	122 South Court Street	
CL-000-00396	Building	Gambles	Listed on NRHP
CL-000-00397	Building	302 North Prospect Street	
CL-000-00398	Building	Law Office	
CL-000-00399	Building	209 Washington Street	
CL-000-00400	Building	25 High Street	
CL-000-00401	Building	Post Office	Not Eligible
CL-000-00402	Building	Fullerton's	Not Eligible
CL-000-00404	Building	Austin-Whittemore Museum	Listed on NRHP
CL-000-00406	Building	Clay County Courthouse	Listed on NRHP
CL-000-00408	District	Downtown Vermillion Historic District	Listed on NRHP
CL-000-00409	District	Downtown Vermillion Historic District	Listed on NRHP
CL-000-00410	Building	University of SD Alumni House	Listed on NRHP
CL-000-00411	Building	University Hall	Listed on NRHP
CL-000-00420	Building	St. Agnes Catholic Church	Listed on NRHP
CL-000-00421	District	Downtown Vermillion Historic District	Listed on NRHP
CL-000-00422	Building	Big White House	Listed on NRHP
CL-000-00424		Prentis Park	Listed on NRHP
CL-000-00434	Building		Listed on NRHP
CL-000-00435	Building		Not Eligible
CL-000-00439	Building		Eligible for NRHP
CL-000-00440	Building		Eligible for NRHP
CL-000-00442	Building		Not Eligible
CL-000-00445	Building		Eligible for NRHP
CL-000-00446	Building		Eligible for NRHP
CL-000-00447	Building		Eligible for NRHP
CL-000-00448	Building		Eligible for NRHP
CL-000-00449	Building		Eligible for NRHP

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Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00450	Building		Eligible for NRHP
CL-000-00451	Building	The Stitchery, Etc.	Listed on NRHP
CL-000-00452	Building	Masonic Temple	Listed on NRHP
CL-000-00453	Building	Wavelength Hair	Listed on NRHP
CL-000-00454	Building	Vermillion Public Library	
CL-000-00456	Building	Main Street Pub	Listed on NRHP
CL-000-00457	Building	Margaret's Kut & Kurl	Listed on NRHP
CL-000-00458	Building	Dallas Jewelry	Listed on NRHP
CL-000-00459	Building	Nook "N" Cranny	Listed on NRHP
CL-000-00460	Building	Wilson Florist	Listed on NRHP
CL-000-00461	Building	Chaney Insurance	Listed on NRHP
CL-000-00462	Building	CorTrust Bank	Listed on NRHP
CL-000-00464	Building	Eagles Club	Not Eligible
CL-000-00465	Building	University Cleaners	Eligible for NRHP
CL-000-00466	Building	Eye Care/Eye Wear	Not Eligible
CL-000-00468	Building	Fast Auto Glass	Not Eligible
CL-000-00469	Building	Maurices	Listed on NRHP
CL-000-00472	Building	Bogue & Weeks Law Office	Listed on NRHP
CL-000-00473	Building	Coyote Twin Theatres	Listed on NRHP
CL-000-00474	Building	The Majic Touch	Listed on NRHP
CL-000-00475	Building	Public Restrooms	Listed on NRHP
CL-000-00476	Building	Community First State Bank	Listed on NRHP
CL-000-00477	Building	First National Bank	Listed on NRHP
CL-000-00478	Building	American Express Financial Advisors	Listed on NRHP
CL-000-00479	Building	Liffengren Residence	Eligible for NRHP
CL-000-00480	Building	Sigma Nu Fraternity	Eligible for NRHP
CL-000-00481	Building	United Church of Christ	Eligible for NRHP
CL-000-00482	Building	Midwest Pawn	Listed on NRHP
CL-000-00483	Building	Herb's - The Main not the Condiment	Listed on NRHP
CL-000-00484	Building	Custom Sewing & Design/Verizon	Listed on NRHP
CL-000-00485	Building	Reed Law Office	Listed on NRHP
CL-000-00486	Building	Recuerdo de Mexico Restaurante	Listed on NRHP

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Site #	Site Category	Property Name/Type	Natl. Register Status
CL-000-00487	Building	Law Office	Listed on NRHP
CL-000-00488	Building	French Real Estate	Not Eligible
CL-000-00489	Building	Cross Connections	Not Eligible
CL-000-00490	Building	Pump "N" Stuff	Not Eligible
CL-000-00491	Building	Bigelow's	Eligible for State Register
CL-000-00492	Building	Bigelow's	Eligible for State Register
CL-000-00493	Building	Linden House	Listed on NRHP
CL-000-00496	Building	Leo's Bar	
CL-000-00498	Building	Bob's Amoco	Not Eligible
CL-000-00500	Building	Tigert Art Gallery	Eligible for NRHP
CL-000-00502	Building	Innovative Financial Systems, Inc.	Not Eligible
CL-000-00503	Building	Marj's Place	Not Eligible
CL-000-00504	Building	VFW	Not Eligible
CL-000-00505	Building	Civic Council	Not Eligible
CL-000-00506	Building	Cavanaugh Building	Not Eligible
CL-000-00507	Building	Ovellette Furniture Warehouse	Not Eligible
CL-000-00509	Building	Women's Gymnasium	Listed on NRHP
CL-000-00510	Building	7 Court	Listed on NRHP
CL-000-00511	Building	SD Alpha-Phi Delta Theta House	Not Eligible
CL-000-00512	Building	7 East Main	Listed on NRHP
CL-000-00513	Building	24 Center Street	Listed on NRHP
CL-000-00514	Building	11 Court Street	Listed on NRHP
CL-000-00518	Building	First United Methodist Church	Listed on NRHP
CL-000-00555	Building	Danforth Chapel	Eligible for NRHP
CL-000-00556	Building	Noteboom Hall	Not Eligible
CL-000-00557	Building	Burgess Hall	Not Eligible
CL-000-00558	Building	School of Business	Eligible for NRHP
CL-000-00559	Building	Law Library	Not Eligible
CL-000-00560	Building	Science Center	Not Eligible
CL-000-00561	Building	Julian Hall Addition	Not Eligible
CL-001-00001	Building	215 Lewis Street	Listed on NRHP
CL-001-00002	Building	227 Forest Avenue	Listed on NRHP

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Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
CL-001-00003	Building	322 Forest Avenue	Listed on NRHP
CL-001-00004	Building	221 Lewis Street	Listed on NRHP
CL-001-00005	Building	305 Forest Avenue	Listed on NRHP
CL-001-00006	Building	213 Forest Avenue	Listed on NRHP
CL-001-00007	Building	117 Forest Avenue	Listed on NRHP
CL-001-00008	Building	217 Lewis Street	Listed on NRHP
CL-001-00009	Building	123 Forest Avenue	Listed on NRHP
CL-001-00010	Building	129 Forest Avenue	Listed on NRHP
CL-001-00011	Building	213 Forest Avenue	Listed on NRHP
CL-001-00012	Building	205 Lewis Street	Listed on NRHP
CL-001-00013	Building	107 Forest Avenue	Listed on NRHP
CL-001-00014	Building	101 Forest Avenue	Listed on NRHP
CL-001-00015	Building	113 Forest Avenue	Listed on NRHP
CL-001-00016	Building	15 Forest Avenue	Listed on NRHP
CL-001-00017	Building	23 Forest Avenue	Listed on NRHP
CL-001-00018	Building	219 Forest Avenue	Listed on NRHP
CL-001-00019	Building	207 Forest Avenue	Listed on NRHP
CL-001-00020	Building	300 Forest Avenue	Listed on NRHP
CL-001-00021	Building	315 Forest Avenue	Listed on NRHP
CL-001-00022	Building	215 Forest Avenue	Listed on NRHP
CL-001-00023	Building	310 Forest Avenue	Listed on NRHP
CL-001-00024	Building	228 Forest Avenue	Listed on NRHP
CL-001-00025	Building	224 Forest Avenue	Listed on NRHP
CL-001-00026	Building	216 Forest Avenue	Listed on NRHP
CL-001-00027	Building	208 Forest Avenue	Listed on NRHP
CL-001-00028	Building	126 Forest Avenue	Listed on NRHP
CL-001-00029	Building	110 Forest Avenue	Listed on NRHP
CL-001-00030	Building	102 Forest Avenue	Listed on NRHP
CL-001-00031	Building	26 Forest Avenue	Listed on NRHP
CL-001-00032	Building	18 Forest Avenue	Listed on NRHP
CL-001-00033	Building	311 Forest Avenue	Listed on NRHP
CL-001-00034	Building	200 Forest Avenue	Listed on NRHP

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Site #	Site Category	Property Name/Type	Natl. Register Status
CL-002-00001	Building	125 North University	Listed on NRHP
CL-002-00002	Building	25 North University	Listed on NRHP
CL-002-00003	Building	222 North University	Listed on NRHP
CL-002-00004	Building	412 East Main Street	Listed on NRHP
CL-002-00005	Building	402 East Main Street	Listed on NRHP
CL-002-00006	Building	25 North Willow	Listed on NRHP
CL-002-00007	Building	114 North Yale	Listed on NRHP
CL-002-00008	Building	217 North University	Listed on NRHP
CL-002-00009	Building	119 North Yale	Listed on NRHP
CL-002-00010	Building	124 North University	Listed on NRHP
CL-002-00011	Building	211 North Yale	Listed on NRHP
CL-002-00012	Building	204 North University	Listed on NRHP
CL-002-00013	Building	219 North Yale	Listed on NRHP
CL-002-00014	Building	103 North Willow	Listed on NRHP
CL-002-00015	Building	224 North Willow	Listed on NRHP
CL-002-00016	Building	210-212 North Willow	Listed on NRHP
CL-002-00017	Building	114 North Willow	Listed on NRHP
CL-002-00018	Building	117 North Willow	Listed on NRHP
CL-002-00019	Building	114 North University	Listed on NRHP
CL-002-00020	Building	216 North Willow	Listed on NRHP
CL-002-00021	Building	222 North Yale	Listed on NRHP
CL-002-00022	Building	104 North University	Listed on NRHP
CL-002-00023	Building	408 East Main	Listed on NRHP
CL-002-00024	Building	24 North Yale	Listed on NRHP
CL-002-00025	Building	27 North Yale	Listed on NRHP
CL-002-00026	Building	122 North Yale	Listed on NRHP
CL-002-00027	Building	204 North Yale	Listed on NRHP
CL-002-00028	Building	216-218 North Yale	Listed on NRHP
CL-002-00029	Building	123 North Willow	Listed on NRHP
CL-002-00030	Building	5 North University	Listed on NRHP
CL-002-00031	Building	8 North Yale	Listed on NRHP
CL-002-00032	Building	11 North University	Listed on NRHP

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Site #	Site Category	Property Name/Type	Natl. Register Status
CL-002-00033	Building	14 North Willow	Listed on NRHP
CL-002-00034	Building	18 North University	Not Eligible
CL-002-00035	Building	19 North University	Not Eligible
CL-002-00037	Building	21 North Willow	Listed on NRHP
CL-002-00038	Building	22 North Yale	Listed on NRHP
CL-002-00039	Building	24 North Willow	Listed on NRHP
CL-002-00040	Building	116 North Yale	Listed on NRHP
CL-002-00041	Building	110 North Yale	Eligible for NRHP
CL-002-00042	Building	100 North Yale	Listed on NRHP
CL-002-00043	Building	105 North Yale	Not Eligible
CL-002-00044	Building	111 North Yale	Listed on NRHP
CL-002-00045	Building	113 North Yale	Eligible for NRHP
CL-002-00046	Building	119 North Yale	Listed on NRHP
CL-002-00047	Building	125 North Yale	Listed on NRHP
CL-002-00048	Building	201 North Yale	Listed on NRHP
CL-002-00049	Building	209 North Yale	Listed on NRHP
CL-002-00050	Building	223-225 North Yale	Not Eligible
CL-002-00051	Building	214 North University	Listed on NRHP
CL-002-00052	Building	210 North University	Not Eligible
CL-002-00053	Building	26 North University	Listed on NRHP
CL-002-00054	Building	103 North University	Listed on NRHP
CL-002-00055	Building	113 North University	Listed on NRHP
CL-002-00056	Building	119 North University	Listed on NRHP
CL-002-00057	Building	201 North University	Listed on NRHP
CL-002-00058	Building	209 North University	Listed on NRHP
CL-002-00059	Building	225 North University	Listed on NRHP
CL-002-00060	Building	206 North Willow	Listed on NRHP
CL-002-00061	Building	202 North Willow	Listed on NRHP
CL-002-00062	Building	124 North Willow	Not Eligible
CL-002-00063	Building	118 North Willow	Listed on NRHP
CL-002-00064	Building	110 North Willow	Listed on NRHP
CL-002-00065	Building	100 North Willow	Listed on NRHP

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Site #	Site Category	Property Name/Type	Natl. Register Status
CL-002-00066	Building	111 North Willow	Listed on NRHP
CL-002-00067	Building	205 North Willow	Listed on NRHP
CL-002-00068	Building	209 North Willow	Listed on NRHP
CL-002-00069	Building	215 North Willow	Listed on NRHP
CL-002-00070	Building	217 North Willow	Listed on NRHP
CL-002-00071	Building	314 East Main	Not Eligible
CL-002-00072	Building	416 East Main	Listed on NRHP
CL-002-00073	Building	424 East Main	Listed on NRHP
CL-002-00074	Building	512 East Main	Listed on NRHP
CL-002-00075	Building	520 East Main	Not Eligible
CL-002-00076	Building	602 East Main	Listed on NRHP
CL-002-00077	Building	610 East Main	Listed on NRHP
CL-002-00078	Building	605 East Clark	Listed on NRHP
CL-002-00079	Building	515 East Clark	Listed on NRHP
CL-002-00080	Building	406 East Cedar	Listed on NRHP
CL-002-00081	Building	511 East Clark	Listed on NRHP
CL-002-00082	Building	509 East Clark	Listed on NRHP
CL-002-00083	Building	421 East Clark	Listed on NRHP
CL-002-00084	Building	415 East Clark	Listed on NRHP
CL-002-00085	Building	413 East Clark	Listed on NRHP
CL-002-00086	Building	409-411 East Clark	Listed on NRHP
CL-002-00087	Building	412 East Cedar	Not Eligible
CL-002-00088	Building	416 East Cedar	Listed on NRHP
CL-002-00090	Building	411 East Cedar	Not Eligible
CL-002-00091	Building	415 East Cedar	Eligible for NRHP
CL-002-00092	Building	410 East National	Eligible for NRHP
CL-002-00093	Building	411 East National	Listed on NRHP
CL-002-00094	Building	412 East National	Listed on NRHP
Town of Gayville			
YK-000-00203	Building	Residence	
YK-000-00221	Building	Residence	

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Site #	Site Category	Property Name/Type	Natl. Register Status
YK-000-00222	Building	Residence	
YK-000-00223	Building	Gayville Observer	
YK-000-00240	Building	Gayville Public School	
YK-000-00252	Building	Residence	
YK-000-00253	Building	Residence	
YK-000-00254	Building	Residence	
YK-000-00255	Building	Gary Jensen Residence	
YK-000-00256	Building	Raymond Buchman Residence	
YK-000-00257	Building	Residence	
YK-000-00258	Building	Florence Hier Residence	
YK-000-00259	Building	Gladys DeBold Residence	
YK-000-00260	Building	Wright Residence	
YK-000-00261	Building	Bud's Service Station	
YK-000-00262	Building	George Wadsworth Residence	
YK-000-00263	Building		
YK-000-00264	Building	Ray Hanson Residence	
YK-000-00265	Building	CJ's Cafe	
YK-000-00266	Building	John Gunderson Residence	
YK-000-00267	Building	Residence	
YK-000-00268	Building	Dennis Menthe Residence	
YK-000-00269	Building	Merle Olson Residence	
YK-000-00270	Building	Residence	
YK-000-00271	Building	Residence	
YK-000-00272	Building	Residence	
YK-000-00273	Building	Residence	
YK-000-00274	Building	Residence	
YK-000-00276	Building	George Wadsworth Residence	
YK-000-00277	Building	Snow Residence	
YK-000-00278	Building	Residence	
YK-000-00279	Building	Hanson Residence	
YK-000-00280	Building	Stewart Residence	
YK-000-00281	Building	Residence	

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Site #	Site Category	Property Name/Type	Natl. Register Status
YK-000-00282	Building	Kool Residence	
YK-000-00283	Building	Residence	
YK-000-00284	Building	Residence	
YK-000-00285	Building	Olson Residence	
YK-000-00286	Building	Maddox Residence	
YK-000-00287	Building	Kafra Residence	
YK-000-00288	Building	Commercial Building	
YK-000-00289	Building	Residence	
YK-000-00291	Building	Eckeren Residence	
YK-000-00292	Building	Residence	
YK-000-00293	Building	Residence	
YK-000-00294	Building	Residence	
YK-000-00295	Building	Residence	
YK-000-00296	Building	Fielder	
YK-000-00297	Building	Wuedden Residence	
YK-000-00298	Building	Residence	
YK-000-00300	Building	Hubbard Feed	
YK-000-00301	Building	King Residence	
YK-000-00382	Building	Gayville-Volin United Methodist Church	
YK-000-00383	Building	Bagstad & Aaseth	
City of Yankton			
YK-000-00039	Building	Yankton Middle School	Listed on NRHP
YK-000-00058	Building	Yankton City Hall	
YK-000-00244	Building	Old Armory	
YK-000-00245	Building	Stuelpnagle Building	
YK-000-00801	Building	Lloyd L. & Carol Tinkey House	Listed on NRHP
YK-000-00803	Building	Benedictine Convent of the Sacred Heart	Listed on NRHP
YK-000-00805	Building	James E. Bruce House	Listed on NRHP
YK-000-00806	Building	Milwaukee Road Depot	Listed on NRHP
YK-000-00808	Building	H.A. Doyle House	Listed on NRHP
YK-000-00809	Building	Cement Log House	Listed on NRHP

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Site #	Site Category	Property Name/Type	Natl. Register Status
YK-000-00811	Building	Gurney Seeds & Nursery	Listed on NRHP
YK-000-00812	Building		Listed on NRHP
YK-000-00836	Building	John & Karen Harmelink House	Listed on NRHP
YK-000-00839	Building	South Dakota Magazine Office	Listed on NRHP
YK-000-00844	Building	John F. Coates House	Listed on NRHP
YK-000-00850	Building	Kosel Funeral Home	Listed on NRHP
YK-000-00864	Building	Lewis & Clark Mental Health Center	Listed on NRHP
YK-000-00866	Building	618 Pine Street	Listed on NRHP
YK-000-00868	Building	Lodge # 1, Grand Lodge of Dakota	
YK-000-00915	Building	Lincoln School	Not Eligible
YK-000-00916	Building	Webster School	Not Eligible
YK-000-00920	Building	Hoffman House	Listed on NRHP
YK-000-00921	Building	First Catholic Church Chapel & Dwelling	
YK-001-00001	Building	Yankton College Historic District - Crane-Youngworth Field	Listed on NRHP
YK-001-00002	Building	Yankton College Historic District - Look Hall	Listed on NRHP
YK-001-00003	Building	Yankton College Historic District - Tennis Court	Listed on NRHP
YK-001-00004	Building	Yankton College Historic District - Durand Hall	Listed on NRHP
YK-001-00005	Building	Yankton College Historic District - Lloyd Library	Listed on NRHP
YK-001-00006	Building	Yankton College Historic District - Warren Campus Center	Listed on NRHP
YK-001-00007	Building	Yankton College Historic District - Forbes Hall	Listed on NRHP
YK-001-00008	Building	Yankton College Historic District - Nash Gymnasium	Listed on NRHP
YK-001-00009	Building	Yankton College Historic District - Ward Hall	Listed on NRHP
YK-001-00010	Building	Yankton College Historic District - Garden Terrace Theater	Listed on NRHP
YK-001-00011	Building	Yankton College Historic District - Kingsbury Hall	Listed on NRHP
YK-001-00012	Building	Yankton College Historic District - Art Building	Listed on NRHP
YK-001-00013	Building	Yankton College Historic District - Fargo Union	Listed on NRHP
YK-001-00014	Building	Yankton College Historic District - Observatory	Listed on NRHP
YK-001-00016	Building	Yankton College Historic District - Maintenance Building	Listed on NRHP
YK-002-00001	Building	John Deere Building	Listed on NRHP
YK-002-00002	Building	O'Malley's Bar	Listed on NRHP
YK-002-00003	Building	Walnut Tavern	Listed on NRHP
YK-002-00004	Building	Dakota Territory Sewing Center	Listed on NRHP

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Site #	Site Category	Property Name/Type	Natl. Register Status
YK-002-00005	Building	Telephone Building	Listed on NRHP
YK-002-00006	Building	United States Post Office	Listed on NRHP
YK-002-00007	Building	Wagner Building	Listed on NRHP
YK-002-00008	Building	Brecht Drug Store	Listed on NRHP
YK-002-00009	Building	Law Offices	Listed on NRHP
YK-002-00010	Building	Fitzgerald/Hanny	Listed on NRHP
YK-002-00011	Building	214 West 3 rd Street	Listed on NRHP
YK-002-00012	Building	Dawn's Fabric Shop	Listed on NRHP
YK-002-00013	Building	Bob's Photography	Listed on NRHP
YK-002-00014	Building	Menke Building	Listed on NRHP
YK-002-00015	Building	Schwenk Brewery	Listed on NRHP
YK-002-00016	Building	Basement of Gurney Hotel	Listed on NRHP
YK-002-00017	Structure	Wilcox Building	Listed on NRHP
YK-002-00018	Building	Lindsay Water Conditioning	Listed on NRHP
YK-002-00019	Building	Hintgen House	Listed on NRHP
YK-002-00020	Building	Yankton County Courthouse	Not Eligible (removed from NRHP)
YK-002-00021	Building	200 East 6 th	Listed on NRHP
YK-002-00022	Building	Fantle Brothers Department Store	Listed on NRHP
YK-002-00023	Building	Daylight Donuts	Listed on NRHP
YK-002-00024	Building	114 West 3 rd Street	Listed on NRHP
YK-002-00025	Building	112 West 3 rd Street	Listed on NRHP
YK-002-00026	Building	220 West 3 rd Street	Listed on NRHP
YK-002-00027	Building	110 West 3 rd Street	Listed on NRHP
YK-002-00028	Building	Castle Coombe	Listed on NRHP
YK-002-00029	Building	108 West 3 rd Street	Listed on NRHP
YK-002-00030	Building	Doyle Building	Listed on NRHP
YK-002-00031	Building	Fitzgerald Potato Chips	Listed on NRHP
YK-002-00032	Building	203 West 3 rd Street	Listed on NRHP
YK-002-00033	Building	201 West 3 rd Street	Listed on NRHP
YK-002-00034	Building	104 West 3 rd Street	Listed on NRHP
YK-002-00035	Building	Go-Inn Cafe	Listed on NRHP

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
YK-002-00036	Building	101 West 3 rd Street	Listed on NRHP
YK-002-00037	Building	Boomer's Lounge	Listed on NRHP
YK-002-00038	Building	Nacke Jewelry	Listed on NRHP
YK-002-00039	Building	St. Charles Hotel	Listed on NRHP
YK-002-00040	Building	Nyman House	Listed on NRHP
YK-002-00041	Building	217 West 3 rd Street	Listed on NRHP
YK-002-00042	Building	Kate's	Listed on NRHP
YK-002-00043	Building	Rexall Drug	Listed on NRHP
YK-002-00044	Building	218 West 3 rd Street	Listed on NRHP
YK-002-00045	Building	227 Capitol Avenue	Listed on NRHP
YK-002-00046	Building	216 West 3 rd Street	Listed on NRHP
YK-002-00047	Building	The Pantry	Listed on NRHP
YK-002-00048	Building	Don's Super Saver	Listed on NRHP
YK-002-00049	Building	Reetz Building	Listed on NRHP
YK-002-00050	Building	Diamond Shoe	Listed on NRHP
YK-002-00051	Building	First National Bank	Listed on NRHP
YK-002-00052	Building	Rudgers Opera House	Listed on NRHP
YK-002-00053	Building	First National Bank	Listed on NRHP
YK-002-00054	Building	220 Capitol Avenue	Listed on NRHP
YK-002-00055	Building	Turner Hall	Listed on NRHP
YK-002-00056	Building	Ericson Building	Listed on NRHP
YK-002-00057	Building	214 Walnut Avenue	Listed on NRHP
YK-002-00058	Building	311 Walnut Avenue	Listed on NRHP
YK-002-00059	Building	Yankton Printing Company	Listed on NRHP
YK-002-00060	Building	319 Walnut Avenue	Listed on NRHP
YK-002-00061	Building	218 Capitol Avenue	Listed on NRHP
YK-002-00062	Building	222 Capitol Avenue	Listed on NRHP
YK-002-00063	Building	309 Cedar Avenue	Listed on NRHP
YK-002-00064	Building	Northwestern Public Service	Listed on NRHP
YK-002-00065	Building	Hair & Beyond	Listed on NRHP
YK-002-00066	Building	Robbie's Bar	Listed on NRHP
YK-002-00067	Building	Custom Finished Furniture	Listed on NRHP

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Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
YK-002-00068	Building	K & D Laundromat	Listed on NRHP
YK-002-00069	Building	Warehouse	Listed on NRHP
YK-002-00070	Building	Scoblic Stationers	Listed on NRHP
YK-002-00071	Building	Culhane Communications	Listed on NRHP
YK-002-00072	Building	Meredith Jewelry	Listed on NRHP
YK-002-00073	Building	Royal Sport Shop	Listed on NRHP
YK-002-00074	Building	Former Hogan's Shoe Store	Listed on NRHP
YK-002-00075	Building	Yankton Antique Mall	Listed on NRHP
YK-002-00076	Building	Zebra Night Club	Listed on NRHP
YK-002-00077	Building	Cockatoo II	Listed on NRHP
YK-002-00078	Building	Department of Social Services	Listed on NRHP
YK-002-00079	Building	Gentry Finance Corp.	Listed on NRHP
YK-002-00080	Building	Tielke Automotive	Listed on NRHP
YK-002-00081	Building	Dayhuff Enterprises Business Center	Listed on NRHP
YK-002-00082	Building	Modern Body Shop	Listed on NRHP
YK-002-00083	Building	Ace Hardware	Listed on NRHP
YK-002-00084	Building	Gambles/First Dakota National Bank	Listed on NRHP
YK-002-00085	Building	American State Bank	Listed on NRHP
YK-002-00086	Building	Goetz & Klimson Law Office	Listed on NRHP
YK-002-00088	Building	Smith Insurance	Listed on NRHP
YK-002-00089	Building	Moose Lodge	Listed on NRHP
YK-002-00091	Building	Office Building	Listed on NRHP
YK-002-00092	Building	Larsen Carpet	Listed on NRHP
YK-002-00093	Building	Former Sears Store	Listed on NRHP
YK-003-00001	Building	210 East 6 th Street	Listed on NRHP
YK-003-00002	Building	204 East 6 th Street	Listed on NRHP
YK-003-00003	Building	100 East 6 th Street	Listed on NRHP
YK-003-00004	Building	110 West 6 th Street	Listed on NRHP
YK-003-00005	Building	112 West 6 th Street	Listed on NRHP
YK-003-00006	Building	113 West 6 th Street	Listed on NRHP
YK-003-00007	Building	115 West 6 th Street	Listed on NRHP
YK-003-00008	Building	218 West 6 th Street	Listed on NRHP

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
YK-003-00009	Building	Congregational Church	Listed on NRHP
YK-003-00010	Building	503 Mulberry Street	Listed on NRHP
YK-003-00011	Building	117 West 6 th Street	Listed on NRHP
YK-003-00012	Building	402 East 6 th Street	Listed on NRHP
YK-003-00013	Building	400 East 6 th Street	Listed on NRHP
YK-003-00014	Building	300 East 6 th Street	Listed on NRHP
YK-003-00015	Building	United Church of Christ	Listed on NRHP
YK-003-00016	Building	108 West 5 th Street	Listed on NRHP
YK-003-00017	Building	106 West 5 th Street	Listed on NRHP
YK-003-00018	Building	104 West 5 th Street	Listed on NRHP
YK-003-00019	Building	102 West 5 th Street	Listed on NRHP
YK-003-00020	Building	605 Capitol Street	Listed on NRHP
YK-003-00021	Building	506 Mulberry Street	Listed on NRHP
YK-003-00022	Building	213 West 5 th Street	Listed on NRHP
YK-003-00023	Building	House	Listed on NRHP
YK-003-00024	Building	511 Capitol Street	Listed on NRHP
YK-003-00025	Building	AME Church Rectory	Listed on NRHP
YK-003-00026	Building	AME Church	Listed on NRHP
YK-003-00027	Building	512 Cedar Street	Listed on NRHP
YK-003-00028	Building	513 Cedar Street	Listed on NRHP
YK-003-00029	Building	514 Cedar Street	Listed on NRHP
YK-003-00030	Building	517 Cedar Street	Listed on NRHP
YK-003-00031	Building	Hugh S. Gamble House	Listed on NRHP
YK-003-00032	Building	510 Douglas Avenue	Listed on NRHP
YK-003-00033	Building	I.O.O.F. Hall	Listed on NRHP
YK-003-00034	Building	Phil Kearney Memorial Hall	Listed on NRHP
YK-003-00035	Building	607 Capitol Street	Listed on NRHP
YK-003-00036	Building	506 Walnut Street	Listed on NRHP
YK-003-00037	Building	Episcopal Church Rectory	Listed on NRHP
YK-003-00038	Building	618 Douglas Avenue	Listed on NRHP
YK-003-00039	Building	August Nyberg House	Listed on NRHP
YK-003-00040	Building	H.B.Wynn House	Listed on NRHP

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
YK-003-00041	Building	300 West 6 th Street	Listed on NRHP
YK-003-00042	Building	106 West 6 th Street	Listed on NRHP
YK-003-00043	Building	Leonidas M. Purdy House	Listed on NRHP
YK-003-00044	Building	William P. Dewey House	Listed on NRHP
YK-003-00045	Building	Dr. H.F. Livingston House	Listed on NRHP
YK-003-00046	Building	J.C. McVay House	Listed on NRHP
YK-003-00047	Building	M.M Matheison House	Listed on NRHP
YK-003-00048	Building	Sandford B. Coulson House	Listed on NRHP
YK-003-00049	Building	Rev. Joseph Ward House	Listed on NRHP
YK-003-00050	Building	E.C. Dudley House	Listed on NRHP
YK-003-00051	Building	Ephreim Miner House	Listed on NRHP
YK-003-00052	Building	604 Douglas Avenue	Listed on NRHP
YK-003-00053	Building	514 Pine Street	Listed on NRHP
YK-003-00054	Building	508 Walnut Street	Listed on NRHP
YK-003-00055	Building	608 Capital Street	Listed on NRHP
YK-003-00056	Building	606 Capital Street	Listed on NRHP
YK-003-00057	Building	500 Capital Street	Listed on NRHP
YK-003-00058	Building	N..J. Cramer House	Listed on NRHP
YK-003-00059	Building	611 Capital Street	Listed on NRHP
YK-003-00060	Building	House	Listed on NRHP
YK-003-00061	Building	613 Capital Street	Listed on NRHP
YK-003-00062	Building	411 Pine Street	Listed on NRHP
YK-003-00063	Building	409 Pine Street	Listed on NRHP
YK-003-00064	Building	405 Pine Street	Listed on NRHP
YK-003-00065	Building	516 Mulberry Street	Listed on NRHP
YK-003-00066	Building	513 Mulberry Street	Listed on NRHP
YK-003-00067	Building	House	Listed on NRHP
YK-003-00068	Building	517 Pine Street	Listed on NRHP
YK-003-00069	Building	516 Douglas Avenue	Listed on NRHP
YK-003-00070	Building	610 Douglas Avenue	Listed on NRHP
YK-003-00071	Building	609 Douglas Avenue	Listed on NRHP
YK-003-00072	Building	608 Douglas Avenue	Listed on NRHP

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
YK-003-00073	Building	606 Douglas Avenue	Listed on NRHP
YK-003-00074	Building	Church	Listed on NRHP
YK-003-00075	Building	609 Capital Street	Listed on NRHP
YK-003-00076	Building	Christ Episcopal Church	Listed on NRHP
YK-003-00077	Building	509 Mulberry Street	Listed on NRHP
YK-003-00078	Building	514 Douglas Avenue	Listed on NRHP
YK-003-00079	Building	511 Douglas Avenue	Listed on NRHP
YK-003-00080	Building	509 Douglas Avenue	Listed on NRHP
YK-003-00081	Building	507 Douglas Avenue	Listed on NRHP
YK-003-00082	Building	501 Douglas Avenue	Listed on NRHP
YK-003-00083	Building	518 Douglas Avenue	Listed on NRHP
YK-003-00084	Building	House	Listed on NRHP
YK-003-00085	Building	House	Listed on NRHP
YK-003-00086	Building	House	Listed on NRHP
YK-003-00087	Building	Episcopal Church	Listed on NRHP
YK-003-00088	Building	House	Listed on NRHP
YK-003-00089	Building	House	Listed on NRHP
YK-003-00090	Building	House	Listed on NRHP
YK-003-00091	Building	House	Listed on NRHP
YK-003-00092	Building	House	Listed on NRHP
YK-003-00093	Building	Garage	Listed on NRHP
YK-003-00094	Building	Carriage House	Listed on NRHP
YK-003-00095	Building	House	Listed on NRHP
YK-003-00096	Building	House	Listed on NRHP
YK-003-00097	Building	Yankton Community Library	Listed on NRHP
YK-003-00098	Building	House	Listed on NRHP
YK-003-00099	Building	Former Gas Station	Listed on NRHP
YK-003-00100	Building	House	Listed on NRHP
YK-003-00101	Building	Duplex	Listed on NRHP
YK-003-00102	Building	Duplex	Listed on NRHP
YK-003-00103	Building	Yankton City Hall	Listed on NRHP
YK-003-00104	Building	House	Listed on NRHP

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
YK-003-00105	Building	House	Listed on NRHP
YK-003-00106	Building	House	Listed on NRHP
YK-003-00107	Building	House	Listed on NRHP
YK-003-00108	Building	House	Listed on NRHP
YK-003-00109	Building	House	Listed on NRHP
YK-003-00110	Building	House	Listed on NRHP
YK-003-00111	Building	House	Listed on NRHP
YK-003-00112	Building	House	Listed on NRHP
YK-003-00113	Building	House	Listed on NRHP
YK-003-00114	Building	House	Listed on NRHP
YK-003-00115	Building	House	Listed on NRHP
YK-003-00116	Building	House	Listed on NRHP
YK-003-00117	Building	House	Listed on NRHP
YK-003-00118	Building	House	Listed on NRHP
YK-003-00119	Building	House	Listed on NRHP
YK-003-00120	Building	House	Listed on NRHP
YK-003-00121	Building	Church Office Building	Listed on NRHP
YK-003-00122	Building	Baptist Church	Listed on NRHP
YK-003-00123	Building	Monsignor Link Memorial School	Listed on NRHP
YK-003-00124	Building	House	Listed on NRHP
YK-003-00125	Building	House	Listed on NRHP
YK-003-00126	Building	House	Listed on NRHP
YK-003-00127	Building	Webster Arms Apartments	Listed on NRHP
YK-003-00128	Building	Commercial Building	Listed on NRHP
YK-003-00129	Building	House	Listed on NRHP
YK-003-00130	Building	Bungalow	Listed on NRHP
YK-003-00131	Building	House	Listed on NRHP
YK-003-00132	Building	House	Listed on NRHP
YK-003-00133	Building	House	Listed on NRHP
YK-003-00134	Building	House	Listed on NRHP
YK-003-00135	Building	House	Listed on NRHP
YK-003-00136	Building	House	Listed on NRHP

SDN - Beresford to Yankton Project Area - Appendix D
Urban Historic Properties Identified in the Vicinity of the B-Y Project Area

Site #	Site Category	Property Name/Type	Natl. Register Status
YK-003-00137	Building	House	Listed on NRHP
YK-003-00138	Building	Hudson Apartment building	Listed on NRHP
YK-003-00139	Building	House	Listed on NRHP
YK-003-00140	Building	House	Listed on NRHP
YK-003-00141	Building	House	Listed on NRHP
YK-003-00142	Building	House	Listed on NRHP
YK-003-00143	Building	Apartment complex	Listed on NRHP
YK-003-00144	Building	Yankton Fire House	Listed on NRHP
YK-003-00145	Building	House	Listed on NRHP

Appendix E

USGS quadrangle maps showing the SDN - Beresford to Yankton cable route

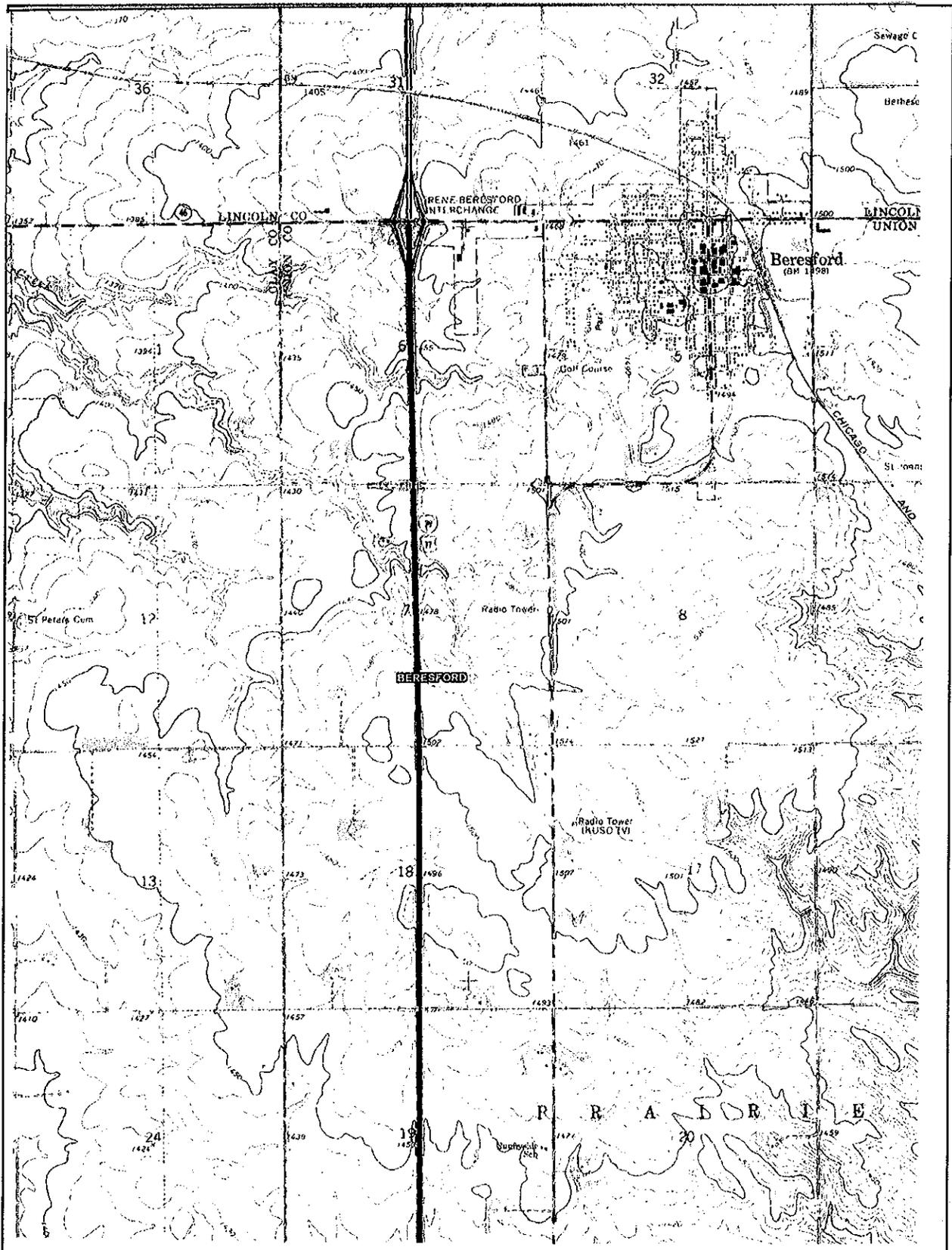


Figure E-1. Map (Beresford quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:34,375.

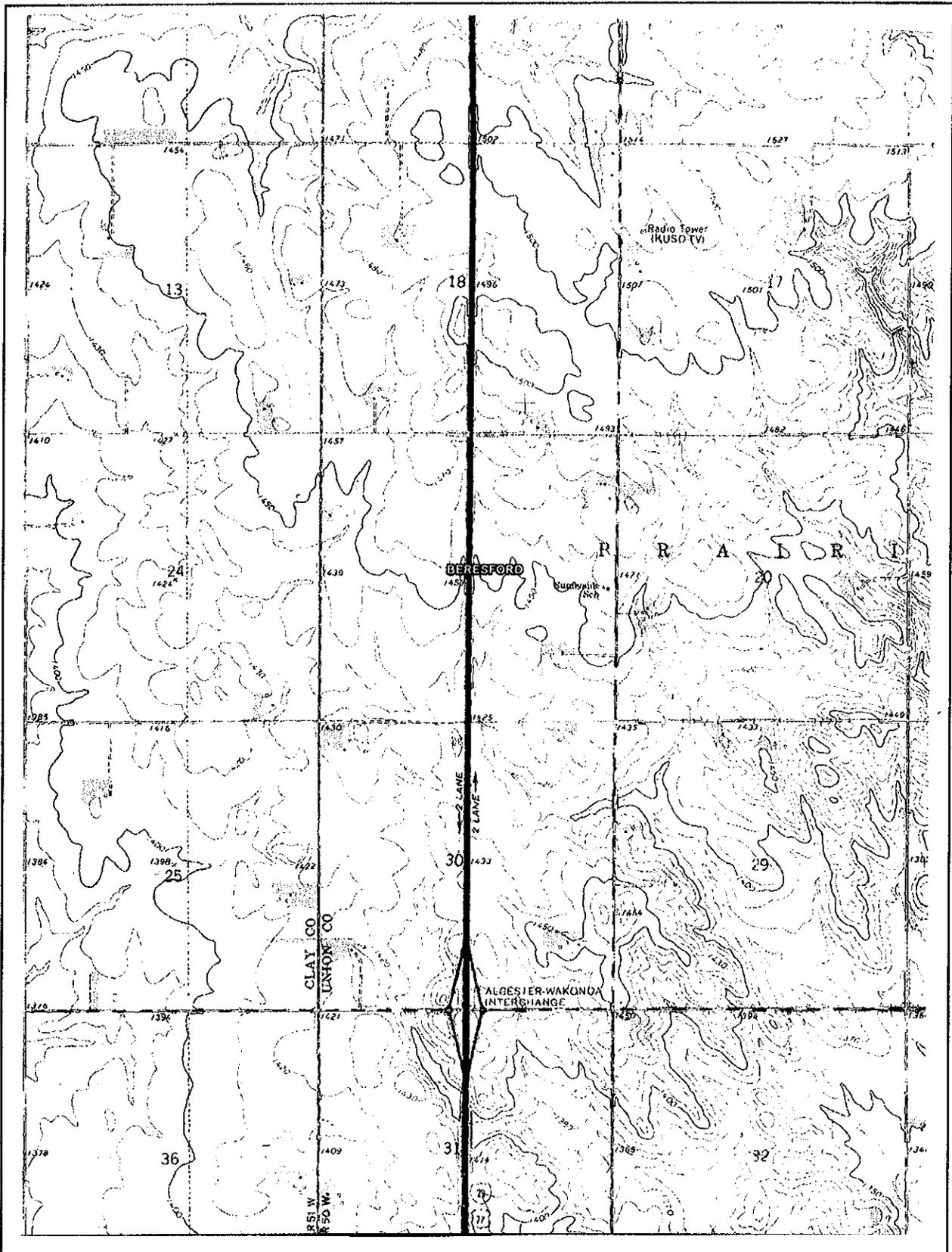


Figure E-2. Map (Beresford quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:31,250.

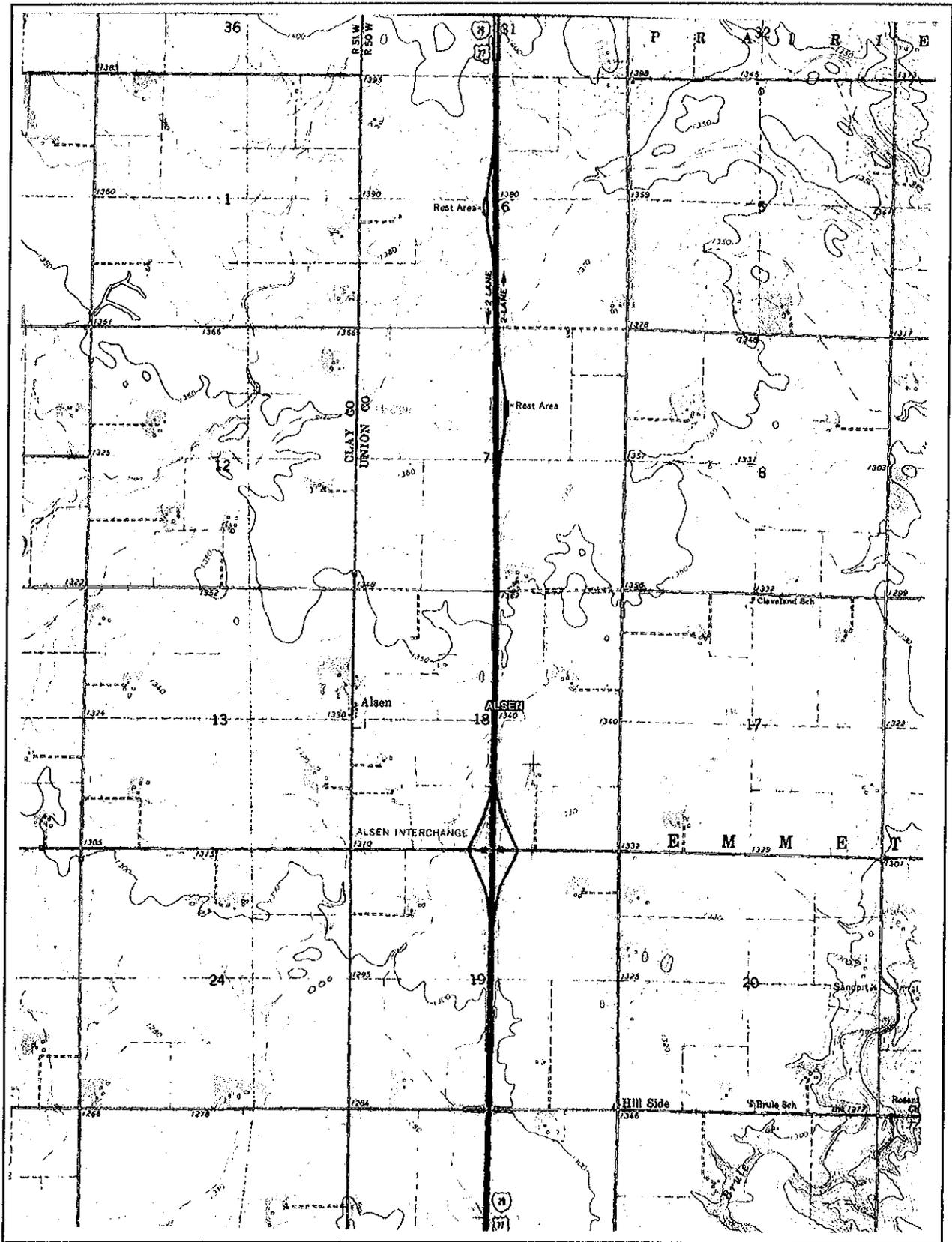


Figure E-3. Map (Alsen quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:34,375.

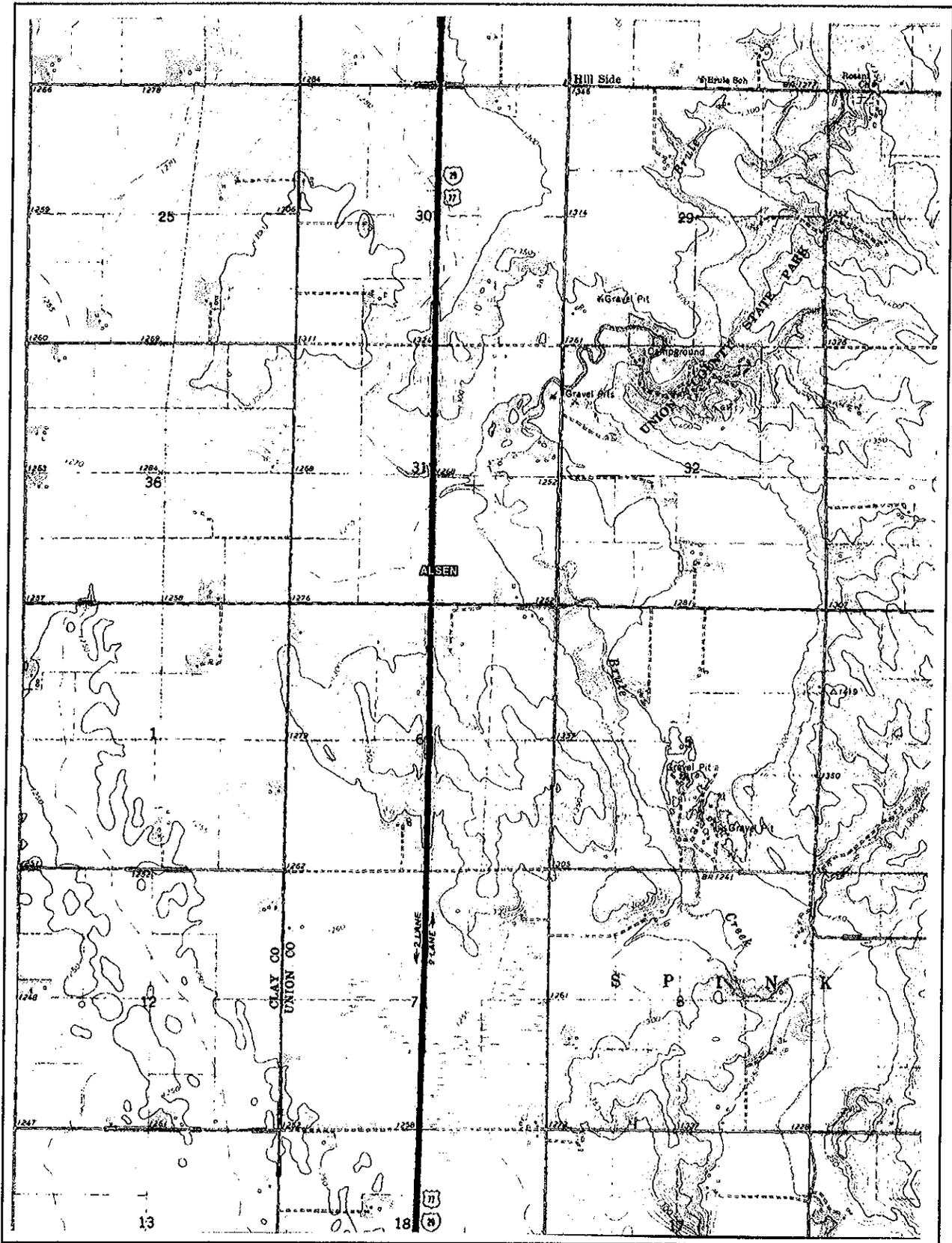


Figure E-4. Map (Alsen quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:34,375.

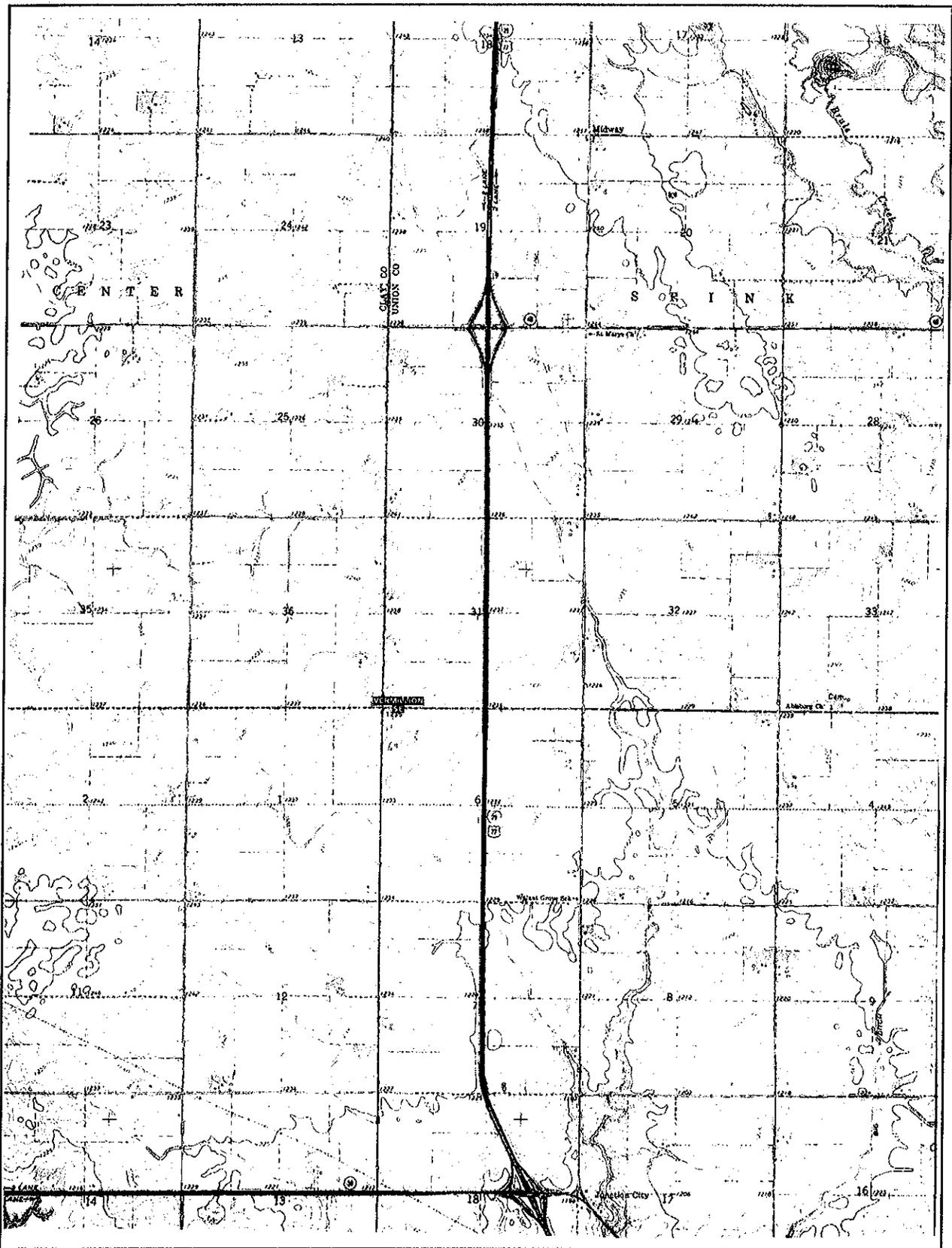


Figure E-5. Map (Vermillion SE quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:46,875.

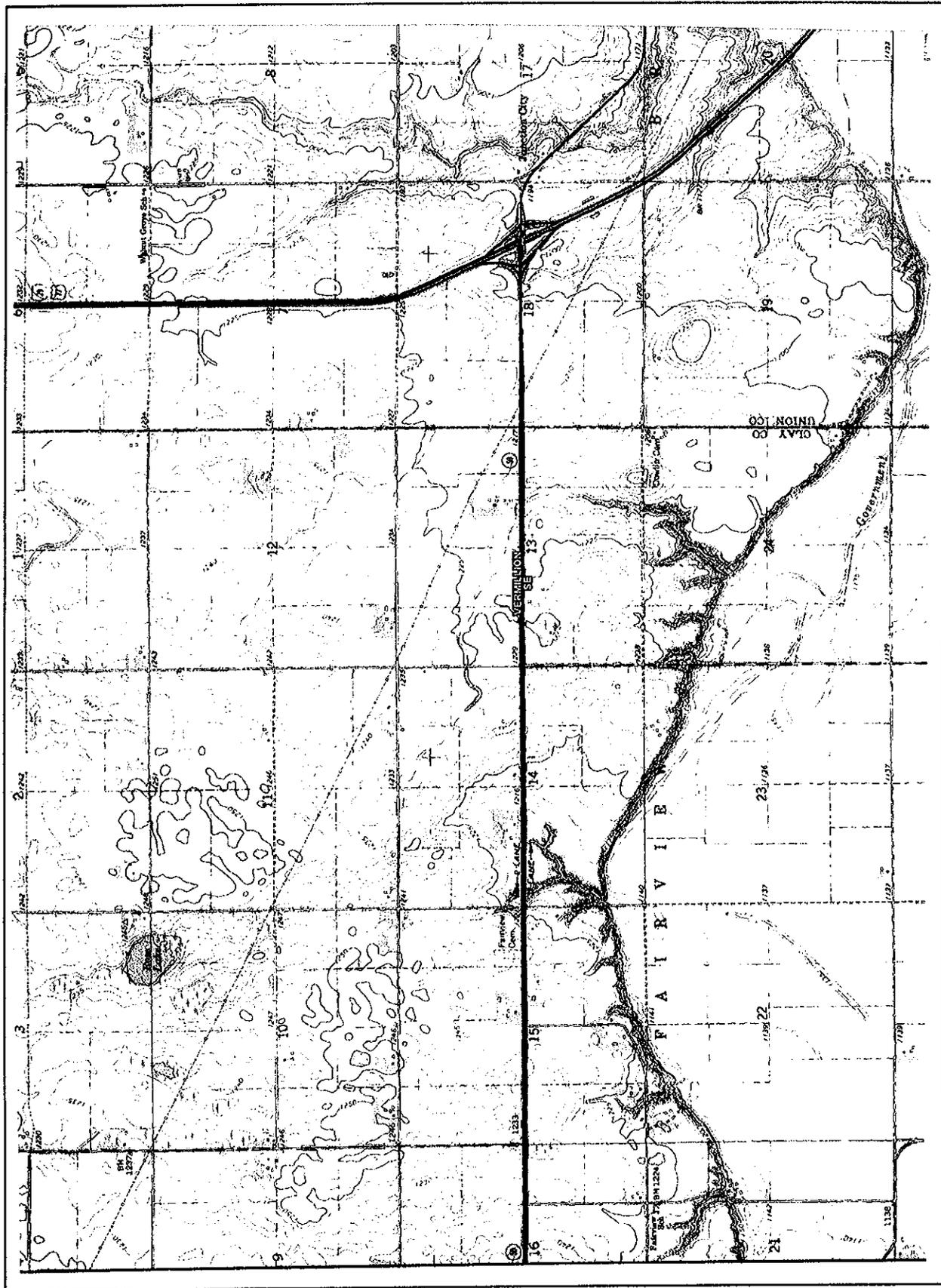


Figure E-6. Map (Vermillion SE quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:46,875.

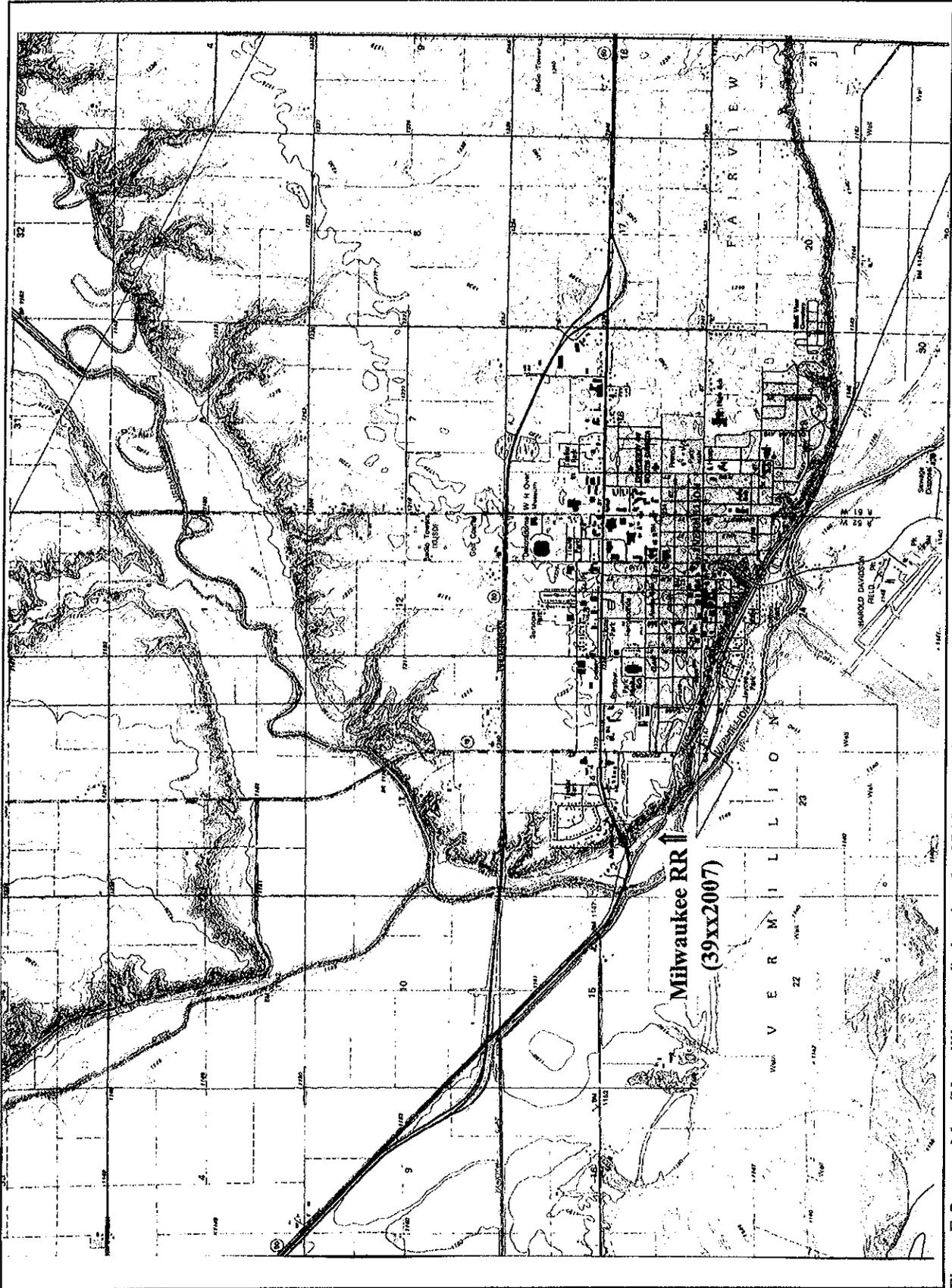


Figure E-7. Map (Vermillion quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:46,875.

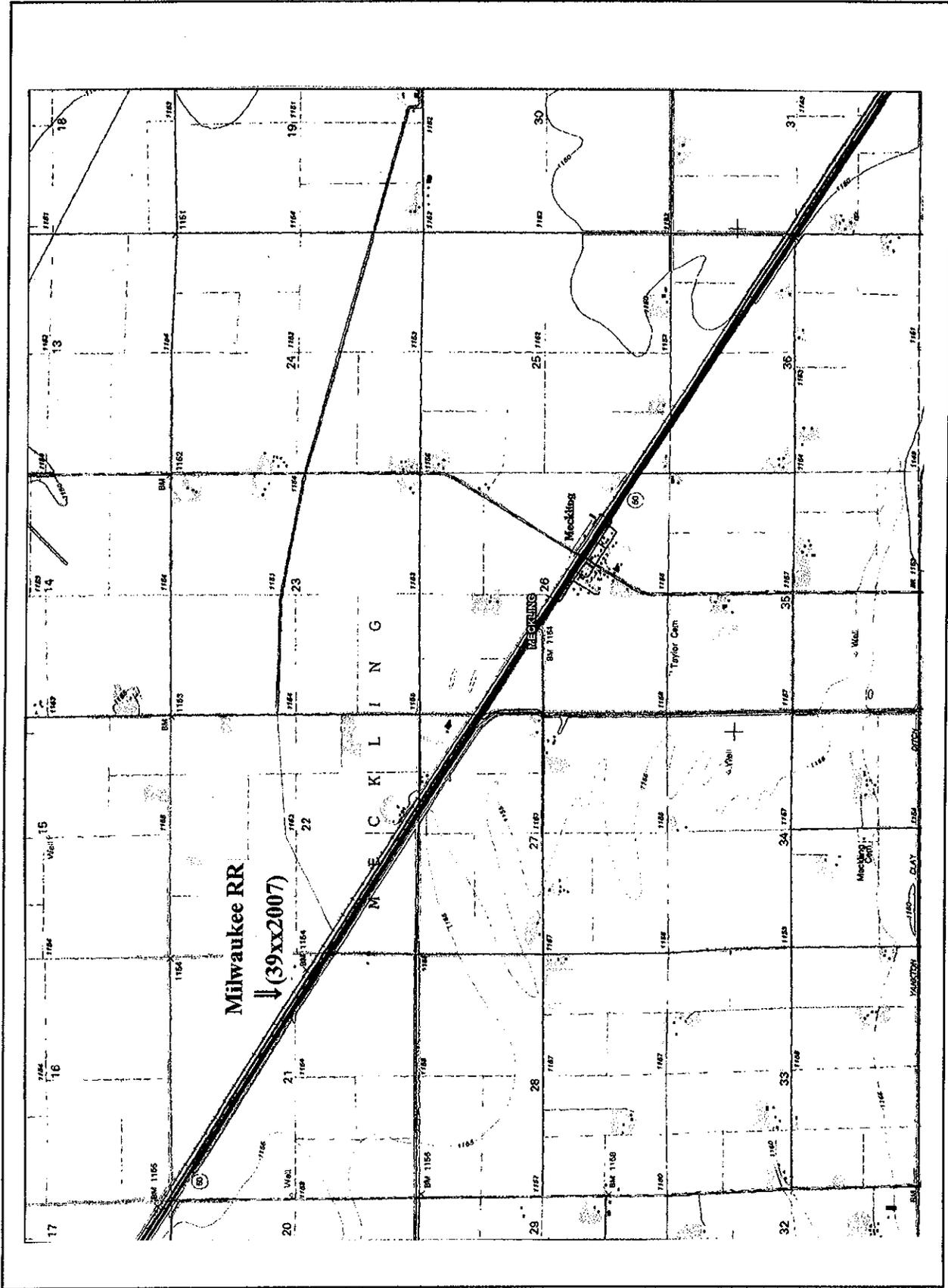


Figure E-9. Map (Meckling quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:37,500.

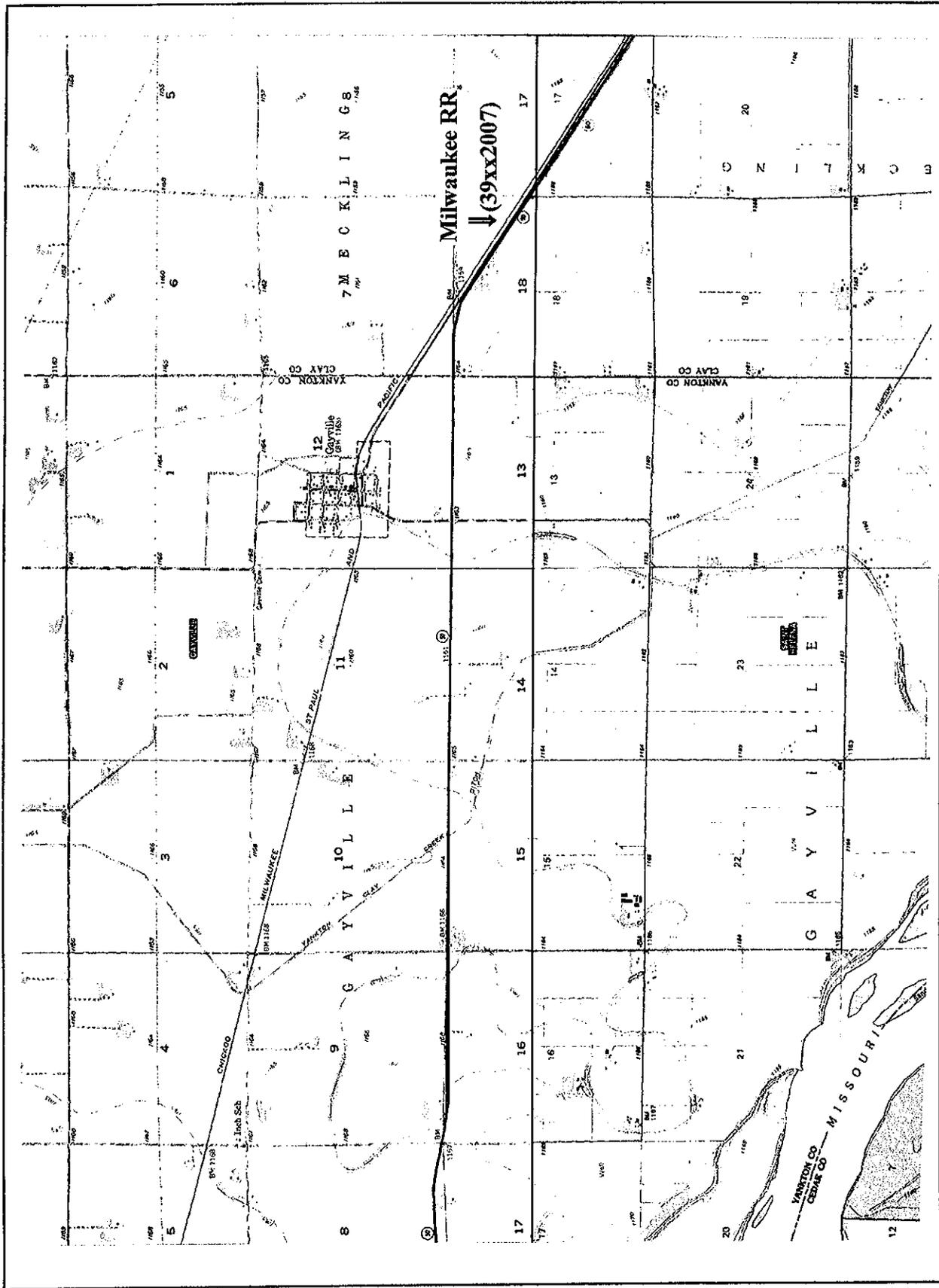


Figure E-10. Map (St. Helena & Gayville quads) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:46,875.

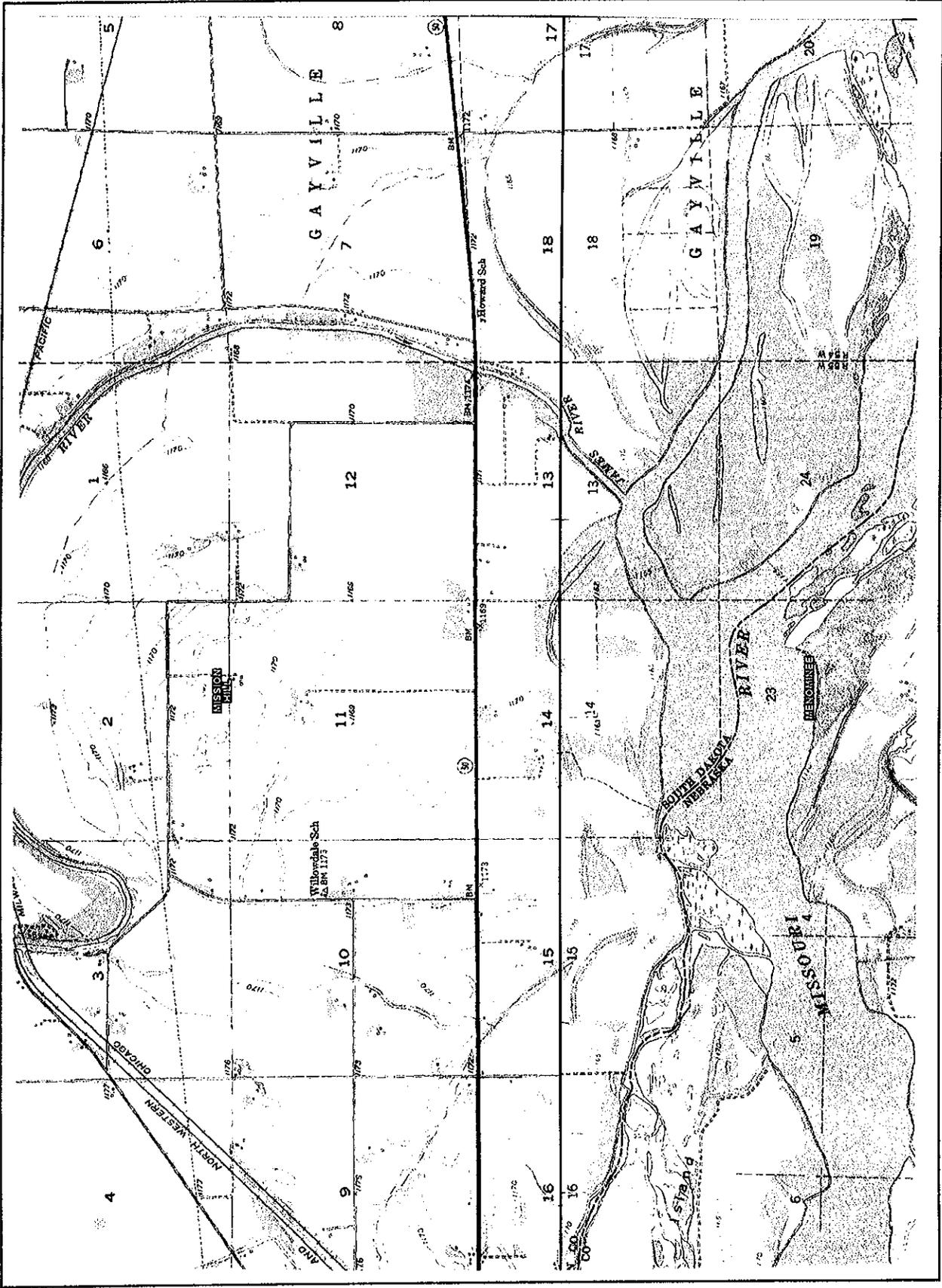


Figure E-11. Map (Mission Hill & Menominee quads) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:37,500.

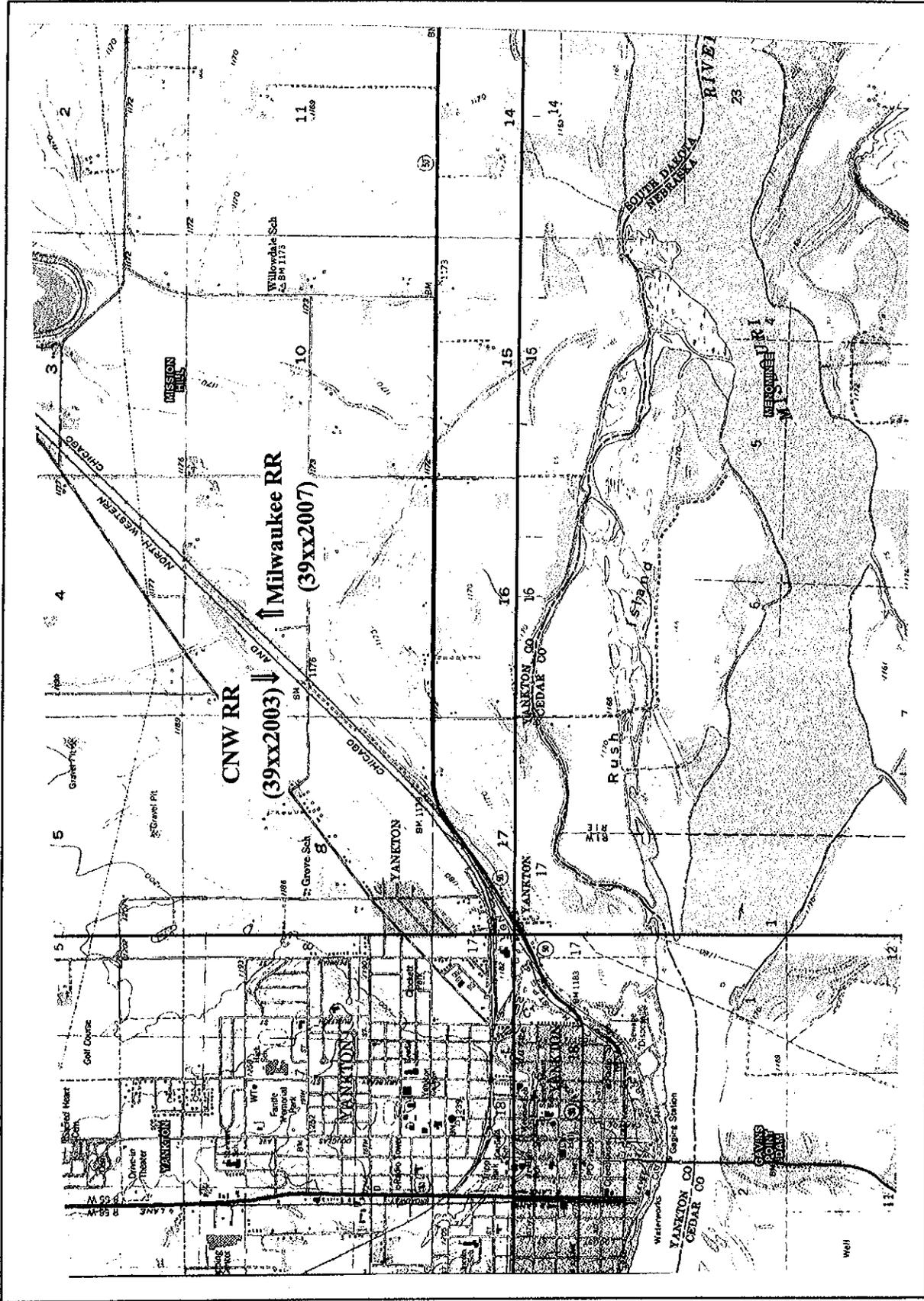


Figure E-12. Map (Mission Hill; Menominee; Yankton; & Gavins Point Dam quads) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:37,500.

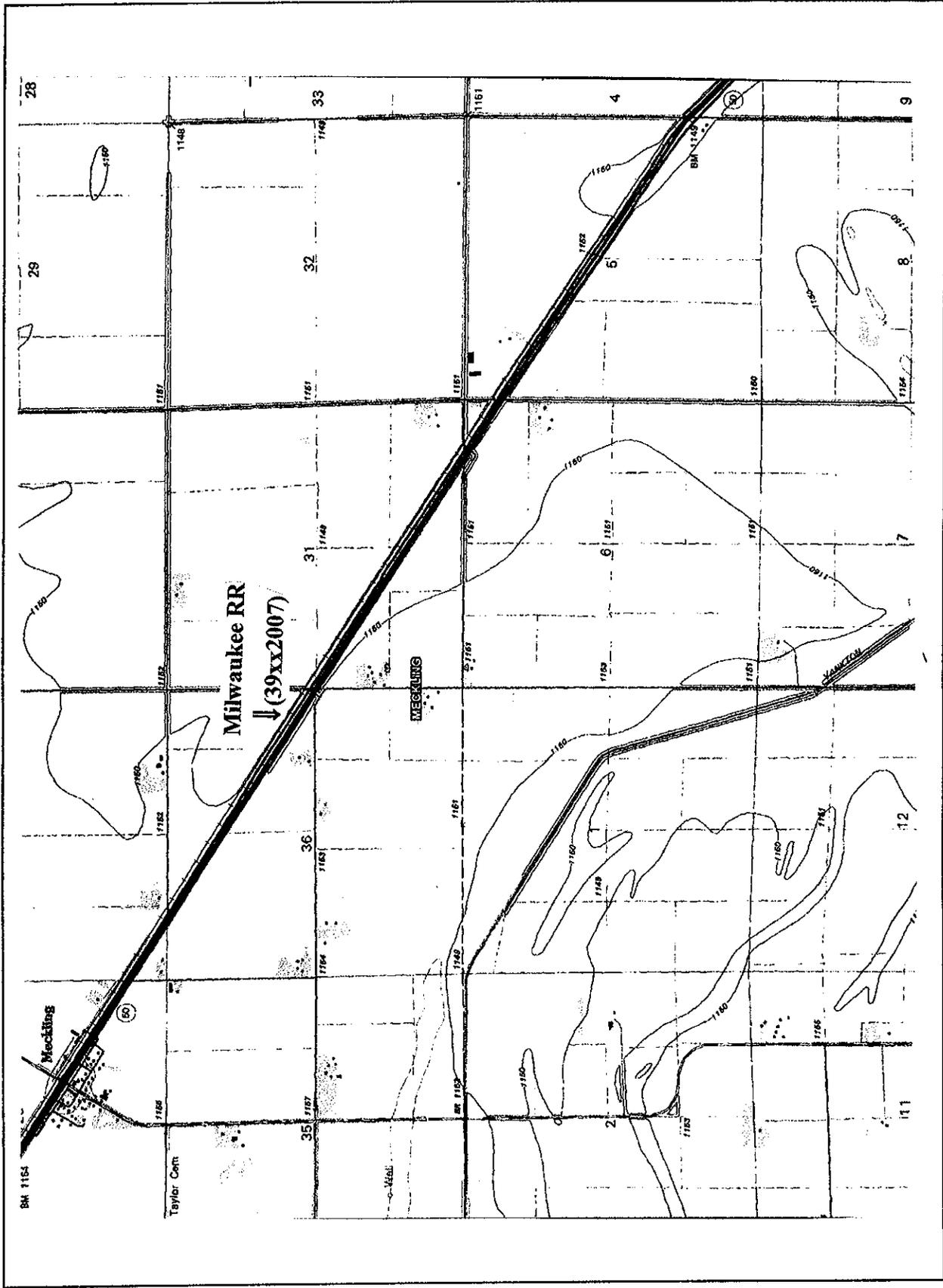


Figure E-8. Map (Meckling quad) showing the SDN - Beresford to Yankton cable route (blue line). Scale = 1:31,250.

Appendix C

Storm Water Pollution Prevention Plan

**SDN Communications
Storm Water Pollution Prevention Plan
Huron to Volga, Beresford to Yankton, South Dakota**

Site Description

Project Name and Location

Huron to Volga, Beresford to Yankton, South Dakota
County and State Right-of-Way
Beadle, Kingsbury, Brookings, Yankton, Clay & Lincoln Counties, South Dakota

Owner Name and Address

SDN Communications
Harold Parlet
2900 West 10th St
Sioux Falls, SD 57104
Phone # - (605) 334-7185

Project Senior Resident

CHR Solutions, Inc.
Curt Healy
1515 N. Sanborn Blvd.
Mitchell, SD 57301
Phone # (605) 996-9646
Cell Phone # (605) 999-3980

Description: Purpose and Types of Soil Disturbing Areas

This project will consist of placing approximately 125 miles (16 acres) of buried, 96 strand fiber optic cable along Hwy 14 from Huron to Volga, South Dakota and along I-29 Beresford South to Vermillion and Hwy 50 West to Yankton.

Soil disturbing activities will include: Placing the buried fiber optic cable in the ground a minimum of 48" deep via static plow. Directional boring under waterways, culverts and road crossings. Placing hand holes (30"x48") via backhoe.

Sequence of Major Activities

The order of activities will be as follows:

Directional Bore

- Place bore machine in ditch and bore in the conduit.

Plowing

- Drive dozer into ditch and place static plow in ground
- Plow in the fiber optic cable
- When bore encountered when plowing, excavate area at both ends of the bore and pull the cable through.
- Fill in and compact the plow strip
- Back fill, compact the soil and seed the bore pit.

Sequence of Major Activities (cont.)

Backhoe

- Use backhoe to excavate area in order to place hand holes and cable.
- Back fill and compact the soil around the hand hole.

Erosion and Sediment Controls

Stabilization Practices

Static Plow – will be disturbing a path of approximately 3 inches which will allow for existing vegetation to act as the sediment control.

Backhoe – to place hand hole (30"X48"), the back hoe will use an 18" to 24" bucket allowing for minimum soil disturbance. Existing vegetation in the area will act as sediment control. The area will then be backfilled, packed and seeded as required by governing agencies.

Directional Boring - Soil disturbance will be an area of approximately 60 square feet when boring in the conduit for the fiber optic cable. Existing vegetation in the area will act as the sediment control and the area will be backfilled, packed and seeded as required by governing agencies.

Timing of Controls/Measures

Once construction activity ceases in an area, that area will be permanently seeded within 14 days of the last disturbance.

Certification of Compliance with Federal, State and Local Regulations

This Storm Water Pollution Prevention Plan is to be in compliance with the state of South Dakota's Storm Water permit.

Maintenance/Inspection Procedures

Erosion and Sediment Control Inspection and Maintenance Practices

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls.

- All control measures will be inspected at least once each week and following any storm event of 1/2 inches or greater.
- All measures will be maintained in good working order. If a repair is needed, it will be initiated within 24 hours of report.
- Permanent seeding and planting will be inspected for bare spots, washout and healthy growth.
- A maintenance inspection report will be made after each inspection. A copy of the inspection form to be completed is attached.
- Tim Larson, senior project resident, will select 1 individual who will be responsible for inspections, maintenance and repair activities, and completing the reports.
- Personnel selected for inspection and maintenance responsibilities will receive training from Tim Larson. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

Non-Storm Water Discharges

There is not expected to be any non-storm water discharges from the site during construction of the project.

Inventory for Pollution Prevention Plan

The materials listed below are expected to be onsite during construction.

- Construction equipment and vehicles.
- Fiber Optic cable.
- Hand holes
- Conduit
- Warning marker signs

Spill Prevention

Material Management Practices

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff.

Good Housekeeping

The following good housekeeping practices will be followed onsite during construction of the project.

- An effort will be made to store only enough material required to do the job.
- All materials / equipment stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Material will be kept in its original container with the manufacturer's original label.
- Whenever possible, all of a product will be used up before disposing of the container.
- Manufacturer's recommendations will be followed for proper use and disposal of materials.
- The project resident will inspect daily to ensure proper use and disposal of materials onsite.

Hazardous Materials

These practices will be used to reduce the risks associated with hazardous materials.

- Original material safety data will be retained.
- Manufacturer or local and state recommendations will be followed if surplus material needs disposal.

Petroleum Products

Petroleum products will be stored in tightly sealed containers which are clearly marked. All onsite vehicles will be checked for leaks and receive regular preventive maintenance to reduce the chance of leakage. Any asphalt substances used onsite will be applied according to the manufacturer's instructions.

Concrete Trucks

Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash water on the site.

Spill Control Practices

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup.

- Manufactures recommended methods for spill cleanup will be available on site and personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be available onsite.
- All spills will be cleaned up immediately after discovery. Personnel will wear appropriate protective clothing to prevent contact with hazardous substances.
- Spills of toxic or hazardous material will be reported to the appropriate State or Local government agencies, regardless of the size.
- The spill prevention plan will be adjusted to include a description of the spill, what caused it, cleanup procedures and measures to prevent this type of spill from recurring.
- The project resident will be responsible for day to day site operations, spill prevention and clean up. He will designate additional personnel who will be trained on spill prevention and cleanup to assist him.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

Storm Water Pollution Prevention Plan

For:

Connect South Dakota Project
Hwy 50 and Hwy 14
Huron to Volga, Beresford to Yankton, South Dakota

Operator(s):

SDN Communications
Harold Parlet
2900 W 10th Street
Sioux Falls, SD 57104
PH # (605) 334-7185
Fax # (605) 334-4782

SWPPP Contact and Preparer:

CHR Solutions, Inc.
Ched Johnson
1515 N. Sanborn Blvd.
Mitchell, SD 57301
PH # (605) 999-0287
Fax # (605) 995-2577

SWPPP Preparation Date

03/17/10

Estimated Project Dates:

Project Start Date – June 2010
Project Completion Date – June 2013

Contractor

Engbarth Directional Drilling, Inc.
Brad Engbarth
26155 445th Ave.
Canistota, SD 57102
Ph# (605) 266-3114
Fax# (605) 269-3115

Emergency 24-Hour Contact

CHR Solutions, Inc.
Curt Healy (605) 999-3980

Appendix D

General Storm Water Permit



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

March 29, 2010

Harold Parlet
SDN Communications, Inc.
2900 West 10th Street
Sioux Falls, SD 57104

Dear Mr. Parlet:

Thank you for submitting your Notice of Intent for the general storm water discharges associated with construction activities permit. This letter grants you coverage under this permit for the project listed below in Beadle/Kingsbury County, SD. This coverage does not relieve you from complying with other state and local requirements or from obtaining other required permits. You must maintain your site in compliance with the permit conditions. **Refer to Section 3.0 for effluent limits and Section 4.0 for Pollution Prevention Plan requirements.** Your facility Permit No. is **SDR10E706**. Please refer to this number in future correspondence.

Facility Information

Curt Healey - CHR Solutions, Inc. - Contact
Person
SDN - Huron to Volga and Beresford to
Yankton, SD
Huron-Volga&Beresford-Yankton, SD

Operator Information

I-29 Highway 50 and Highway 14 Corridors
SD 57104

Please check to be certain the above facility is the same as listed in the Notice of Intent.

Thank you for preserving the natural resources of South Dakota. If you have any questions or need any guidance, please contact me at (605) 773-3351 or 1-800-SDSTORM (737-8676).

Sincerely,

Bret C. Graves
Natural Resources Project Scientist
Surface Water Quality Program
South Dakota DENR

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL AVENUE
PIERRE, SOUTH DAKOTA 57501-3181

**GENERAL PERMIT FOR STORM WATER DISCHARGES
ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

**Authorization to Discharge Under the
Surface Water Discharge System**

In compliance with the provisions of the South Dakota Water Pollution Control Act and the Administrative Rules of South Dakota (ARSD) Chapters 74:52:01 through 74:52:11, operators of storm water discharges from **construction** activities, located in the State of South Dakota are authorized to discharge in accordance with the conditions and requirements set forth herein.

This General Permit shall become effective on **February 1, 2010**.

This General Permit and the authorization to discharge shall expire at midnight
January 31, 2015.

Signed this 31st day of **December, 2009**



Authorized Permitting Official

Steven M. Pirner
Secretary
Department of Environment and Natural Resources

Appendix E

Department of Army Nationwide Permit No. (12) Federal Register (72FR 11092)



REPLY TO
ATTENTION OF

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

COPY

March 22, 2010

South Dakota Regulatory Office
28563 Powerhouse Road, Room 118
Pierre, South Dakota 57501

South Dakota Network, LLC
Attn: Harold Parlet
2900 West 10th Street
Sioux Falls, SD 57104

Dear Mr. Parlet:

We have reviewed your request for Department of the Army authorization for the fiber optic cable boring under the James River. The project is located in Section 18, Township 93 North, Range 55 West, Yankton County, South Dakota.

Based on the information you provided, this office has determined that your work is authorized by the Department of the Army Nationwide Permit No. (12), found in the March 12, 2007 Federal Register (72 FR 11092), Reissuance of Nationwide Permits. Enclosed is a fact sheet that fully describes this Nationwide Permit and lists the General Conditions that must be adhered to for this authorization to remain valid. Please note that deviations from the original plans and specifications of your project could require additional authorization from this office.

A Preliminary Jurisdictional Determination (JD) has been completed for your project, which is a written indication that wetlands and waterways within your project area are Waters of the United States (Enclosed). If you concur with the findings of the Preliminary JD, please sign it and return it to the letterhead address within two weeks. The preliminary jurisdictional determination is not appealable. If you do not concur with the findings, you may request an approved jurisdictional determination from this office.

You are responsible for all work accomplished in accordance with the terms and conditions of the Nationwide Permit. If a contractor or other authorized representative will be accomplishing the work authorized by the Nationwide Permit in your behalf, it is strongly recommended that they be provided a copy of this letter and the attached conditions so that they are aware of the limitations of the applicable Nationwide Permit. Any activity that fails to comply with all of the terms and conditions of the Nationwide Permit will be considered unauthorized and subject to appropriate enforcement action.

In compliance with General Condition 26, the attached Compliance Certification form must be signed and returned to the address listed upon completion of the authorized work and any required mitigation.

This verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2012. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Should you at any time become aware that either an endangered and/or threatened species or its critical habitat exists within the project area, you must immediately notify this office.

You can obtain additional information about the Regulatory Program from our website:
<https://www.nwo.usace.army.mil/html/od-rsd/frame.html>

The Omaha District, Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete our Customer Service Survey found on our website at <http://per2.nwp.usace.army.mil/survey.html>. If you do not have Internet access, you may call and request a paper copy of the survey that you can complete and return to us by mail or fax.

If you have any questions concerning this determination, please feel free to contact this office at the above Regulatory Office address, or telephone Jacki Hine at (605) 224-8531 and reference action ID NWO-2010-519.

Sincerely,

Steven E. Naylor
Regulatory Program Manager,
South Dakota

Enclosures
CF: Johnson, CHR Solutions

PERMIT COMPLETION AND COMPLIANCE CERTIFICATION

Permit Number: NWO-2010-519

Name of Permittee: South Dakota Network, LLC

Date of Issuance: March 22, 2010

Upon **completion** of the activity(s) authorized by this permit, including any approved mitigation (if required), please sign this certification and return it to the following address:

US Army Corps of Engineers
South Dakota Regulatory Office
28563 Powerhouse Road, Room 118
Pierre, South Dakota 57501

Please note that your permitted activity is subject to a compliance inspection by a US Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and the approved mitigation was completed in accordance with the permit.

Signature of Permittee

Date



REPLY TO
ATTENTION OF

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

COPY

March 22, 2010

South Dakota Regulatory Office
28563 Powerhouse Road, Room 118
Pierre, South Dakota 57501

South Dakota Network, LLC
Attn: Harold Parlet
2900 West 10th Street
Sioux Falls, SD 57104

Dear Mr. Parlet:

We have reviewed your request for Department of the Army authorization for the fiber optic cable boring under the James River. The project is located in Section 32, Township 111 North, Range 61 West, Beadle County, South Dakota.

Based on the information you provided, this office has determined that your work is authorized by the Department of the Army Nationwide Permit No. (12), found in the March 12, 2007 Federal Register (72 FR 11092), Reissuance of Nationwide Permits. Enclosed is a fact sheet that fully describes this Nationwide Permit and lists the General Conditions that must be adhered to for this authorization to remain valid. Please note that deviations from the original plans and specifications of your project could require additional authorization from this office.

A Preliminary Jurisdictional Determination (JD) has been completed for your project, which is a written indication that wetlands and waterways within your project area are Waters of the United States (Enclosed). If you concur with the findings of the Preliminary JD, please sign it and return it to the letterhead address within two weeks. The preliminary jurisdictional determination is not appealable. If you do not concur with the findings, you may request an approved jurisdictional determination from this office.

You are responsible for all work accomplished in accordance with the terms and conditions of the Nationwide Permit. If a contractor or other authorized representative will be accomplishing the work authorized by the Nationwide Permit in your behalf, it is strongly recommended that they be provided a copy of this letter and the attached conditions so that they are aware of the limitations of the applicable Nationwide Permit. Any activity that fails to comply with all of the terms and conditions of the Nationwide Permit will be considered unauthorized and subject to appropriate enforcement action.

In compliance with General Condition 26, the attached Compliance Certification form must be signed and returned to the address listed upon completion of the authorized work and any required mitigation.

This verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2012. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Should you at any time become aware that either an endangered and/or threatened species or its critical habitat exists within the project area, you must immediately notify this office.

You can obtain additional information about the Regulatory Program from our website: <https://www.nwo.usace.army.mil/html/od-rsd/frame.html>

The Omaha District, Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete our Customer Service Survey found on our website at <http://per2.nwp.usace.army.mil/survey.html>. If you do not have Internet access, you may call and request a paper copy of the survey that you can complete and return to us by mail or fax.

If you have any questions concerning this determination, please feel free to contact this office at the above Regulatory Office address, or telephone Jacki Hine at (605) 224-8531 and reference action ID NWO-2010-516.

Sincerely,

Steven E. Naylor
Regulatory Program Manager,
South Dakota

Enclosures
CF: Johnson, CHR Solutions

PERMIT COMPLETION AND COMPLIANCE CERTIFICATION

Permit Number: NWO-2010-516

Name of Permittee: South Dakota Network, LLC

Date of Issuance: March 22, 2010

Upon **completion** of the activity(s) authorized by this permit, including any approved mitigation (if required), please sign this certification and return it to the following address:

US Army Corps of Engineers
South Dakota Regulatory Office
28563 Powerhouse Road, Room 118
Pierre, South Dakota 57501

Please note that your permitted activity is subject to a compliance inspection by a US Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and the approved mitigation was completed in accordance with the permit.

Signature of Permittee

Date

Appendix F

Correspondence from Army Corps of Engineers concerning Section 404 of the Clean
Water Act



REPLY TO
ATTENTION OF

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

COPY

March 22, 2010

South Dakota Regulatory Office
28563 Powerhouse Road, Room 118
Pierre, South Dakota 57501

South Dakota Network, LLC
Attn: Harold Parlet
2900 West 10th Street
Sioux Falls, SD 57104

Dear Mr. Parlet:

Reference is made to the information received March 15, 2010, concerning Section 404 of the Clean Water Act permit requirements. After reviewing your proposal to bore fiber optic cable under Ravine Park Lake, this office has determined that a Department of the Army permit will not be required. The proposed project is located in Section 31, Township 111 North, Range 61 West, Beadle County, South Dakota.

However, if in the future you anticipate doing work or placing material in any waters of the United States, please provide this office with an application for review for possible permit requirements.

Although a Department of the Army permit pursuant to Section 404 of the Clean Water Act is not required for the project, this does not eliminate the requirement that you obtain other applicable Federal, state, tribal and local permits as required.

If you have any questions or need any assistance, please feel free to contact this office at the above Regulatory Office address or telephone Jacki Hine at (605) 224-8531 and reference action ID NWO-2010-517.

Sincerely,

Steven E. Naylor
Regulatory Program Manager,
South Dakota

CF: Johnson, CHR Solutions



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
SOUTH DAKOTA REGULATORY OFFICE
28663 POWERHOUSE ROAD, ROOM 118
PIERRE, SOUTH DAKOTA 57501-8174

COPY

March 22, 2010

South Dakota Regulatory Office
28563 Powerhouse Road, Room 118
Pierre, South Dakota 57501

South Dakota Network, LLC
Attn: Harold Parlet
2900 West 10th Street
Sioux Falls, SD 57104

Dear Mr. Parlet:

Reference is made to the information received March 15, 2010, concerning Section 404 of the Clean Water Act permit requirements. After reviewing your proposal to bore fiber optic cable under the Vermillion River, this office has determined that a Department of the Army permit will not be required. The proposed project is located in Section 14, Township 92 North, Range 52 West, Clay County, South Dakota.

However, if in the future you anticipate doing work or placing material in any waters of the United States, please provide this office with an application for review for possible permit requirements.

Although a Department of the Army permit pursuant to Section 404 of the Clean Water Act is not required for the project, this does not eliminate the requirement that you obtain other applicable Federal, state, tribal and local permits as required.

If you have any questions or need any assistance, please feel free to contact this office at the above Regulatory Office address or telephone Jacki Hine at (605) 224-8531 and reference action ID NWO-2010-518.

Sincerely,

Steven E. Naylor
Regulatory Program Manager,
South Dakota

CF: Johnson, CHR Solutions

Appendix G

Mitigation correspondence from U.S Fish and Wildlife Service



United States Department of the Interior

FISH AND WILDLIFE SERVICE

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

November 23, 2009

Mr. Glenn Moravek
1611 East Robinson Avenue
Pierre, South Dakota 57501

Re: South Dakota Network Fiber-Optic Cable
Construction in Beadle, Kingsbury,
Brookings, Lincoln, Clay, and Yankton
Counties in South Dakota

Dear Mr. Moravek:

This letter is in response to your request dated November 10, 2009, for environmental comments regarding the above referenced project involving installation of fiber-optic cable for South Dakota Network along State Highway 14 from Volga to Huron, Beresford to Vermillion, and Vermillion to Yankton in Beadle, Kingsbury, Brookings, Lincoln, Clay, and Yankton Counties in South Dakota.

According to National Wetlands Inventory maps, which are available online at <http://wetlands.fws.gov/>, wetlands exist in and near the proposed construction areas. If a project may impact wetlands or other important fish and wildlife habitats, the U.S. Fish and Wildlife Service (Service), in accordance with the National Environmental Policy Act of 1969 (42 U.S.C. 4321-4347) and other environmental laws and rules, recommends complete avoidance of these areas, if possible; then minimization of any adverse impacts; and finally, replacement of any lost acres; in that order. Alternatives should be examined and the least damaging practical alternative selected. If wetland impacts are unavoidable, a mitigation plan addressing the number and types of wetland acres to be impacted and the methods of replacement should be prepared and submitted to the resource agencies for review.

Work requiring the alteration or disturbance of wetlands or streams may require a permit from the U.S. Army Corps of Engineers (Corps) according to the regulations set forth in section 10 of The Rivers and Harbors Act or section 404 of The Clean Water Act. You may contact the Corps' Regulatory Office at 28563 Powerhouse Road, Room 118, Pierre, South Dakota 57501, Telephone No. (605) 224-8531.

This project runs through three Service Wetland Management Districts. Please contact the following offices to determine if the Service holds easements on the properties adjacent to the proposed construction and if any additional restrictions may apply regarding these sites. For Yankton, Clay, and Lincoln Counties, please contact the Lake Andes Wetland Management District at 38672 291st Street, Lake Andes, South Dakota 57356-6838, Telephone No. (605) 487-7603. For Beadle County, please contact the Huron Wetland Management District at the Federal Building, Room 309, 200 4th Street SW, Huron, South Dakota 57350, Telephone No.

(605) 352-5894. For Kingsbury and Brookings Counties, please contact the Madison Wetland Management District at P.O. Box 48, Madison, South Dakota 57042, Telephone No. (605) 256-2974.

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>
Whooping crane (<u>Grus americana</u>)	Endangered	Migration.
Western prairie fringed orchid (<u>Platanthera praeclara</u>)	Threatened	Possible Habitat, No Recent Specimens.
Topeka shiner (<u>Notropis topeka</u>)	Endangered	Possible Resident.

Whooping cranes migrate through South Dakota on their way to northern breeding grounds and southern wintering areas. They occupy numerous habitats such as cropland and pastures; wet meadows; shallow marshes; shallow portions of rivers, lakes, reservoirs, and stock ponds; and both freshwater and alkaline basins for feeding and loafing. Overnight roosting sites frequently require shallow water in which they stand and rest. Should construction occur during spring or fall migration, the potential for disturbances to whooping cranes exists. Disturbance (flushing the birds) stresses them at critical times of the year. We recommend that you remain vigilant for these birds. There is little that can be done to reduce disturbance besides ceasing construction at sites where the birds have been observed. The birds normally do not stay in any one area for long during migration. Any whooping crane sightings should be reported to this office.

The Western prairie fringed orchid has not recently been documented in South Dakota. However, in light of the facts that the life cycle of the plant often makes it difficult to detect, populations currently exist in the neighboring states of Nebraska, Minnesota, and North Dakota, and potential habitat may still be found in South Dakota, the potential exists for the Western prairie fringed orchid to be found in this state. Although the plant is typically associated with intact native prairie, the Western prairie fringed orchid has also been found on disturbed sites. Potential habitats generally include mesic upland prairies, wet prairies, sedge meadows, subirrigated prairies, and swales in sand dune complexes. If these habitats exist at the site, surveys for the Western prairie fringed orchid should be conducted prior to construction.

Topeka shiners are known to occupy numerous small streams within eastern South Dakota, and most are concentrated within the Big Sioux, Vermillion, and James River watersheds. Survey efforts continue to reveal additional inhabited streams. We recommend that the proposed project implement the following best management practices to minimize potential impacts specifically to Topeka shiners.

1. Avoid construction activities during the spawning period from May 15 to July 31.
2. Minimize work area at stream locations. The majority of the work (including heavy equipment and storage sites) should occur above the high bank line.

3. Implement comprehensive and effective erosion and sediment controls. These methods should be implemented and maintained for the duration of the project and should be considered at all stages of project planning and design. Close attention is warranted for the placement and maintenance of temporary erosion control measures at the construction site to minimize sediment loading. These erosion/sediment control techniques should keep sediments from entering the stream and should remain in place until work areas become revegetated and stable. Such erosion control measures may include properly placed sediment/silt screens or curtains and hay bales. Proper techniques are important to the placement of these types of structures and include trenching, staking, and backfilling as well as using the appropriate number of bales. These techniques are best used in combination with each other rather than separately.
4. Erosion and sediment controls should be monitored daily during construction to ensure effectiveness, particularly after storm events, and only the most effective techniques should be utilized.
5. Methods that block a stream should not be constructed for extended periods of time. If temporary blocks are necessary, flexible water barriers should be used.
6. Exposed stream banks must be stabilized immediately after construction activity. Eroded surfaces should not be left exposed for greater than one day. If rain is predicted, no construction should commence unless eroded surfaces are immediately treated with geotextile fabric, mulch, seeding, or some techniques that would stabilize the bank or exposed areas from eroding.
7. Erosion repair and stream bank restoration should use appropriate bioengineering solutions.
8. No in-water dredging and substrate disturbance should occur in Topeka shiner inhabited streams. This includes no removal of stream bottom substrates for construction materials. If modifications to the stream substrate cannot be avoided, formal section 7 consultation under the Endangered Species Act may be necessary. Although this process is a regulatory necessity, projects will likely continue with restoration of those physical habitat features that were disturbed during construction activities.
9. Develop and implement a hazardous materials safety protocol. This would include that all temporary storage facilities for petroleum products, other fuels, and chemicals must be located and protected to prevent accidental spills from entering streams within the project area.

If these best management practices are not implemented or applied effectively, potential adverse impacts to Topeka shiners and their habitats could occur.

Enclosed is the current Endangered Species by County List. You can also access this list on our website which is shown on the bottom of the List's pages.

If the Federal action agency or their designated representative determines that the project "may adversely affect" listed species in South Dakota, it should request formal consultation from this office. If a "may affect-not likely to adversely affect" determination is made for this project, it should be submitted to this office for concurrence. If a "no effect" determination is made, further consultation may not be necessary. However, a copy of the determination should be sent to this office.

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 Charlene Bessken of this office at (605) 224-8693, Extension 231.

Sincerely,



Pete Gober
Field Supervisor
South Dakota Field Office

Enclosure

cc: Corps/Regulatory; Pierre, SD
(Attention: Steve Naylor)
FWS/Lake Andes WMD; Lake Andes, SD
FWS/Huron WMD; Huron, SD
FWS/Madison WMD; Madison, SD

CMB:sl

Appendix H

Correspondence from Wetland Management Districts

RECEIVED APR 19 2010



United States Department of the Interior



FISH AND WILDLIFE SERVICE
LAKE ANDES NATIONAL WILDLIFE REFUGE COMPLEX
38672 291st Street
LAKE ANDES, SOUTH DAKOTA 57356-6838
605-487-7603

4-16-2010

Mr. Ched Johnson
Right-of-Way Coordinator
CHR Solutions
1515 North Sanborn
Mitchell, SD 57301

Dear Mr. Johnson:

I have reviewed the maps you provided regarding SDN Communications plans to upgrade their existing telecommunications facilities with Fiber Optic cable from Beresford to Yankton. The U.S. Fish and Wildlife Service has no fee title or easement interests along the proposed Fiber Optic cable route which you identified. You might want to contact our Ecological Services Office in Pierre SD for any other requirements. Their phone number is 605/224-8693 and are located at 420 South Garfield Avenue, Suite 400 Pierre, SD 57501. Thank you for contacting our office.

Sincerely,

Mark J. Heisinger
Wetland Manager

cc: ES Field Office, Pierre, SD
Mike Bryant, Project Leader, LAR



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Huron Wetland Management District
Room 309, Federal Bldg.
200 4th Street SW
Huron, SD 57350
605/352-5894 FAX: 605/352-6709

April 8, 2010

Ched Johnson
Right of Way Coordinator
CHR Solutions, Inc.
1515 N. Sanborn Blvd.
Mitchell, SD 57301

Ched,

Thank you for providing the information requested regarding the proposed Telecommunications line placement along Highway 14 from Huron to Volga. This project falls within both the Huron and Madison Wetland Management Districts in Eastern SD. Both offices have easement and/or Fee title property interests adjacent to the proposed project boundaries. According to the maps you provided, it appears that the project will fall entirely within the existing ROW adjacent to Highway 14.

As our jurisdiction, on both our easement and fee title lands which lie adjacent to Highway 14, does not extend into the ROW no further consultation is required at this time. Should the final design of the project extend beyond the existing ROW for any reason, including temporary disturbance, please provide that information to me so that we can determine if any FWS interests are impacted. In order to simplify the process from your end, I can serve as the point of contact on this project, and forward the information to the appropriate office for review.

Again, thank you for the opportunity to review this project timely.

Sincerely,

Clarke Dirks
Project Leader
605-352-5894 ext 11

Appendix I

Correspondence from NTIA / Booz Allen Hamilton indicating no adverse effects



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, DC 20230

February 17, 2010

Paige Hoskinson Olson
Review & Compliance Coordinator
State Historic Preservation Office
Cultural Heritage Center
900 Governors Drive
Pierre, SD 57501

Re: Broadband Technology Opportunities Program (BTOP), South Dakota Network Grant

Dear Ms. Hoskinson Olson,

The National Telecommunications and Information Administration (NTIA) has awarded a grant through the Broadband Technology Opportunities Program (BTOP), as part of the American Recovery and Reinvestment Act (ARRA), to the South Dakota Network. The funding must be obligated and used within 24 months. This timeline is driven by the laws and regulations governing the use of this ARRA grant funding. These funds would be used to purchase and install cable along the existing right-of-way to provide internet access to unserved and underserved populations in South Dakota. The South Dakota Network contracted for the enclosed Cultural Resource Records Search for all known archaeology sites within the area of the proposed project. This project is an undertaking per 36 CFR Part 800 and this letter serves as notice that NTIA is initiating Section 106 consultation.

The in-ground cable would be laid on top of existing cable in existing right-of-way. Ground disturbing activities would be minimal and confined to blade plowing and directional boring. The plowing blade would be 2-3 inches wide and produce minimal ground disturbance. The directional boring would be at approximately 36 inches in depth. The placement of the cable would be approximately at the same vertical extent as the existing cable. The enclosed Cultural Resource Records Search would be used to avoid known archaeology sites. If any previously unknown archaeology sites were discovered during project implementation, all work would cease and your office would be contacted.

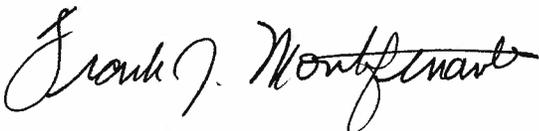
Cable would be connected to buildings through a small ground level hand hole that would be placed at the building. Coming up out of the hand hole would be a 1 ¼" riser that would connect to the transition box or 1 ¼" duct will enter the building below grade. The contractor would be required to drill a hole, approximately 1 ¼" in diameter through the outside wall of the building in order to place 1 ¼" sleeve to allow cable placement into the building.

NTIA has determined that the installation of the cable would not have an adverse effect on

archaeological sites or historic properties. Minimal ground disturbing activities would occur in the existing right-of-way.

If you have any questions please contact Frank Monteferrante at (202) 482-4208, or FMonteferrante@ntia.doc.gov. We look forward to your comments within 30 days of receipt. If comments are not received from your office within 30 days we will assume concurrence with our findings.

Sincerely,

A handwritten signature in black ink that reads "Frank J. Monteferrante". The signature is written in a cursive style with a large, sweeping initial "F".

Frank J. Monteferrante, Ph.D.
NTIA National Environmental Policy Act Coordinator

Attachment: Cultural Resources Records Search

Appendix J

Correspondence from South Dakota SHPO concurring with NTIA's finding of no adverse effects



March 4, 2010

Frank J. Monteferrante Ph.D
United States Department of Commerce
National Telecommunications and
Information Administration
Washington DC 20230

SECTION 106 PROJECT CONSULTATION – IDENTIFICATION/EVALUATION

Project: 100113004F – BTOP South Dakota Network Grant

Location: Multiple Counties
(USDOC)

Dear Dr. Monteferrante:

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) concurs with your determination regarding the effect of the proposed undertaking on the non-renewable cultural resources of South Dakota.

The SHPO has made this consensus determination based on the information provided in your correspondence, received on February 18, 2010. SHPO concurs with the determination of No Adverse Effect for this undertaking provided the following stipulations. Stipulation 1) all eligible and unevaluated sites are avoided by all construction activities including all staging and borrow areas. Stipulation 2) provide any additional information concerning the identification of historic properties by other consulting parties, such as the identification of Traditional Cultural Properties. Stipulation 3) Activities occurring in areas not identified in your request will require the submission of additional documentation pursuant to 36 CFR part 800.4.

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

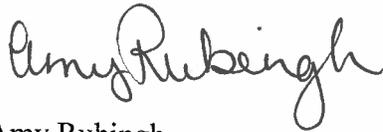
THPO, and Indian tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery, pursuant to 36 CFR part 800.13.

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

Should you require any additional information, please do not hesitate to contact Amy Rubingh, Review & 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

A handwritten signature in cursive script that reads "Amy Rubingh". The signature is written in black ink and is positioned above the typed name and title.

Amy Rubingh
Review and Compliance Archaeologist

Appendix K

SDN Response to South Dakota SHPO



March 22, 2010

Frank Monteferrante, Ph.D.
U.S. Department of Commerce, Economic Adjustment Division
Economic Development Administration
1401 Constitution Avenue NW, Room 7009
Washington, DC 20230

Ref: SD 608-ST-002

Dear Frank:

SDN Communications concurs with all stipulations and requirements regarding process if historic properties are discovered per the South Dakota SHPO letter attached dated March 4, 2010 for Project #100113004F - BTOP South Dakota Network Grant.

If you have any questions or comments, please feel free to contact me at (605) 978-3590.

Sincerely,
South Dakota Network, LLC (d/b/a SDN Communications)

A handwritten signature in black ink, appearing to read "M Shianta", is written over the typed name.

Mark Shianta
CEO