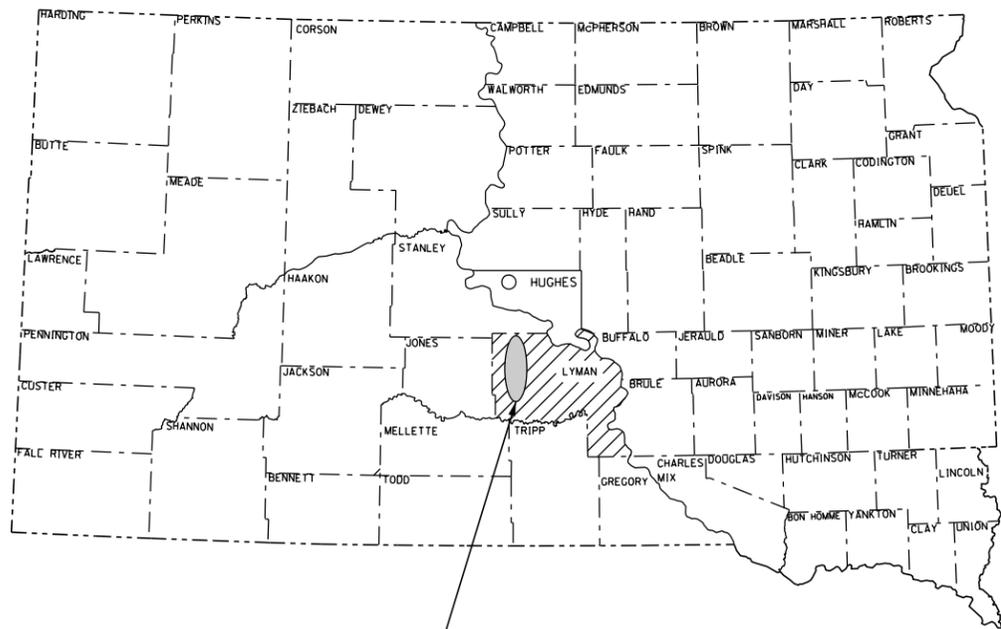
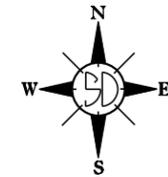


STATE OF S.D.	PROJECT NH 0083(81)87	SHEET NO. 1	TOTAL SHEETS 68
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STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
PROJECT NH 0083(81)87
US HIGHWAY 83
LYMAN COUNTY

PCC Pavement Repair, PCC Pavement,
Roadway Reconstruction, Underdrain Installation, Approach Slab Joint Repair,
& Guardrail Replacement
PCN 04PQ



PROJECT

DESIGN DESIGNATION

(US HIGHWAY 83)

ADT (2013)	1965
ADT (2033)	3276
DHV	494.7
D	51%
T DHV	8.4%
T ADT	18.5%
V	55 & 65 MPH

STORM WATER PERMIT

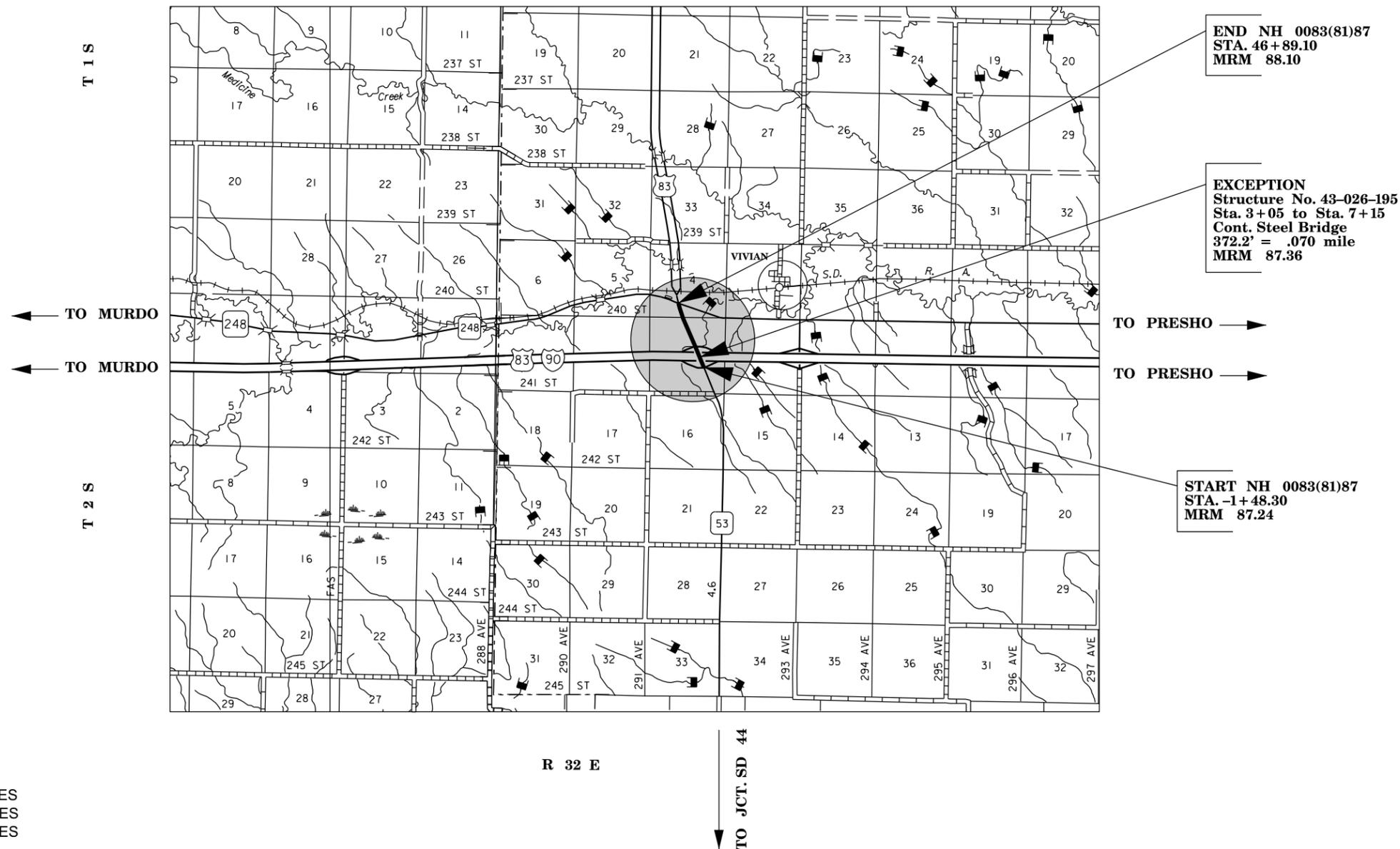
(NOT REQUIRED)

US HIGHWAY 83 (CONCRETE WORK)

GROSS LENGTH	4,837.40 FEET	0.916 MILES
LENGTH OF EXCEPTIONS	372.20 FEET	0.070 MILES
NET LENGTH	4,465.20 FEET	0.846 MILES

INDEX OF SECTIONS

- Section A Title Sheet & Estimate of Quantities
- Section C Traffic Control Plans
- Section E Structure Plans
- Section F Surfacing Plans



7

ESTIMATE OF QUANTITIES

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
S.D.	NH 0083(81)87	A1	A2

SECTION C – TRAFFIC CONTROL

Bid Item Number	Item	Quantity	Unit
634E0010	Flagging	72	Hour
634E0100	Traffic Control	2,170	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0420	Type C Advance Warning Arrow Panel	3	Each
634E0610	4" Temporary Pavement Marking Tape Type 2	4,638	Ft
634E0896	Portable Temporary Traffic Signal System	1	Each

SECTION E – STRUCTURES

Bid Item Number	Item	Quantity	Unit
420E0400	Structure Excavation, Miscellaneous	4	CuYd
430E0300	Granular Bridge End Backfill	8.8	CuYd
430E0510	Approach Slab Underdrain Excavation	21.0	CuYd
460E0070	Class A45 Concrete, Bridge Repair	5.2	CuYd
460E0300	Breakout Structural Concrete	3.2	CuYd
460E0380	Install Dowel in Concrete	84	Each
480E0200	Epoxy Coated Reinforcing Steel	436	Lb
480E0505	No. 5 Rebar Splice	10	Each
680E0040	4" Underdrain Pipe	120	Ft
680E2010	Precast Concrete Headwall for Drain	4	Each
680E2500	Porous Backfill	16.4	Ton

SECTION F – SURFACING

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
110E0730	Remove Beam Guardrail	550.2	Ft
110E1100	Remove Concrete Pavement	389.0	SqYd
110E1700	Remove Silt Fence	103	Ft
120E0010	Unclassified Excavation	456	CuYd
120E0600	Contractor Furnished Borrow	426	CuYd
120E2000	Undercutting	259	CuYd
120E4100	Reprofiling Ditch	16.0	Sta
230E0100	Remove and Replace Topsoil	Lump Sum	LS
250E0010	Incidental Work	Lump Sum	LS
260E1010	Base Course	255.9	Ton
320E1200	Asphalt Concrete Composite	125.0	Ton
380E0050	8" Nonreinforced PCC Pavement	422.2	SqYd
380E5030	Nonreinforced PCC Pavement Repair	260.2	SqYd
380E6000	Dowel Bar	246	Each
380E6110	Insert Steel Bar in PCC Pavement	505	Each
380E6302	Reseal PCC Pavement Joint - Hot Pour	5,805	Ft
380E6310	Seal Random Cracks in PCC Pavement	600	Ft
410E2600	Membrane Sealant Expansion Joint	83.8	Ft
600E0200	Type II Field Laboratory	1	Each
630E0110	Straight Double Class A Thrie Beam Guardrail with Wood Posts	50.0	Ft
630E1010	Straight Class A W Beam Guardrail with Wood Posts	275.0	Ft
630E1140	Straight Double Class A W Beam Guardrail with Wood Posts	50.0	Ft
630E2000	W Beam to Thrie Beam Guardrail Transition	4	Each
630E2015	W Beam Guardrail Flared End Terminal	4	Each
680E0240	4" Corrugated Polyethylene Drainage Tubing	300	Ft
680E0440	4" Slotted Corrugated Polyethylene Drainage Tubing	1,185	Ft
680E2000	Concrete Headwall for Underdrain	2	Each
680E2500	Porous Backfill	424.0	Ton
734E0010	Erosion Control	Lump Sum	LS
734E0602	Low Flow Silt Fence	410	Ft
734E0610	Mucking Silt Fence	28	CuYd
734E0620	Repair Silt Fence	103	Ft

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
S.D.	NH 0083(81)87	A2	A2

SPECIFICATIONS

Standard Specifications for Roads & Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and/or Special Provisions as included in the Proposal.

ENVIRONMENTAL COMMITMENTS

An Environmental Commitment is a measure that SDDOT commits to implement in order to avoid, minimize, and/or mitigate a real or potential environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency mentioned below with permitting authority can influence a project if perceived environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office. The environmental commitments associated with this project are as follows:

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pit, or staging site associated with the project, cease construction activities in the affected area until the Whooping Crane departs and contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

COMMITMENT C: WATER SOURCE

The Contractor shall not withdraw water with equipment previously used outside the State of South Dakota without prior approval from the SDDOT Environmental Office. Thoroughly wash all construction equipment before entering South Dakota to reduce the risk of invasive species introduction into the project vicinity.

Action Taken/Required:

The Contractor shall obtain the necessary permits from the regulatory agencies such as the Department of Environment and Natural Resources (DENR) and the United States Army Corps of Engineers (COE) prior to executing water extraction activities.

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor shall furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the State ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Highway, Road, and Railway Construction/Demolition Debris Disposal under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the State ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the State ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste shall be removed from view of the ROW or buried and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all designated option borrow sites provided within the plans.

Action Taken/Required:

All earth disturbing activities not designated within the plans require review of cultural resources impacts. This work includes, but is not limited to: staging areas, borrow sites, waste disposal sites, and all material processing sites.

The Contractor shall arrange and pay for a cultural resource survey and/or records search. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor shall provide ARC with the following: a topographical map or aerial view on which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor shall submit the records search or cultural resources survey report and if the location of the site is within the current geographical or historic boundaries of any South Dakota reservation to SDDOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3180). SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

If evidence for cultural resources is uncovered during project construction activities, then such activities shall cease and the Project Engineer shall be immediately notified. The Project Engineer will contact the SDDOT Environmental Engineer in order to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for staging areas, borrow sites, waste disposal sites, or material processing sites that affect wetlands, threatened and endangered species, or waterways. The Contractor shall provide the required permits and clearances to the Project Engineer at the preconstruction meeting.