

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	HR Y501(01)	1	38

Plotting Date: 10/26/2015

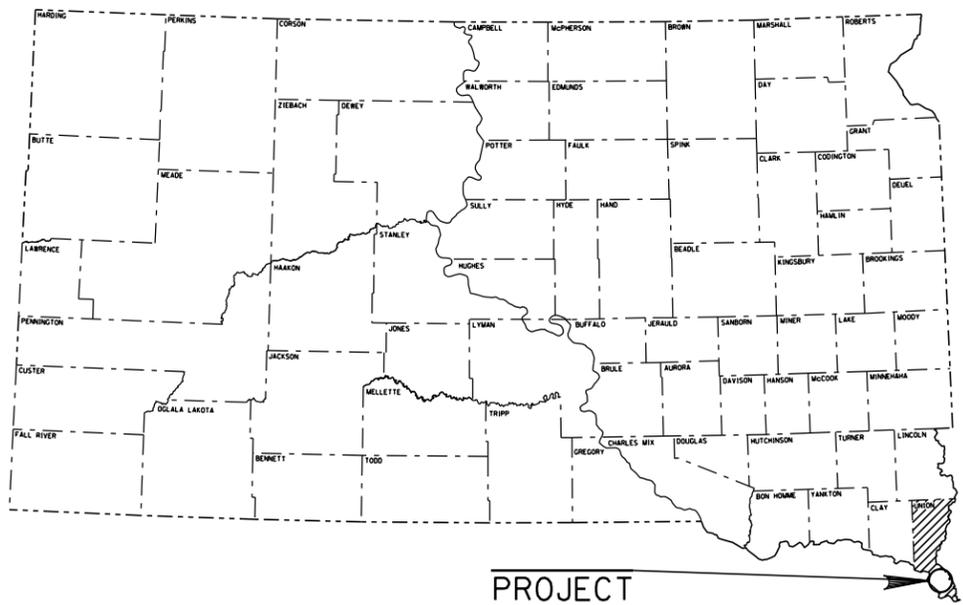
STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
**PROJECT HR YR501(01)**  
**INTERSTATE 29 NBL**  
**UNION COUNTY**

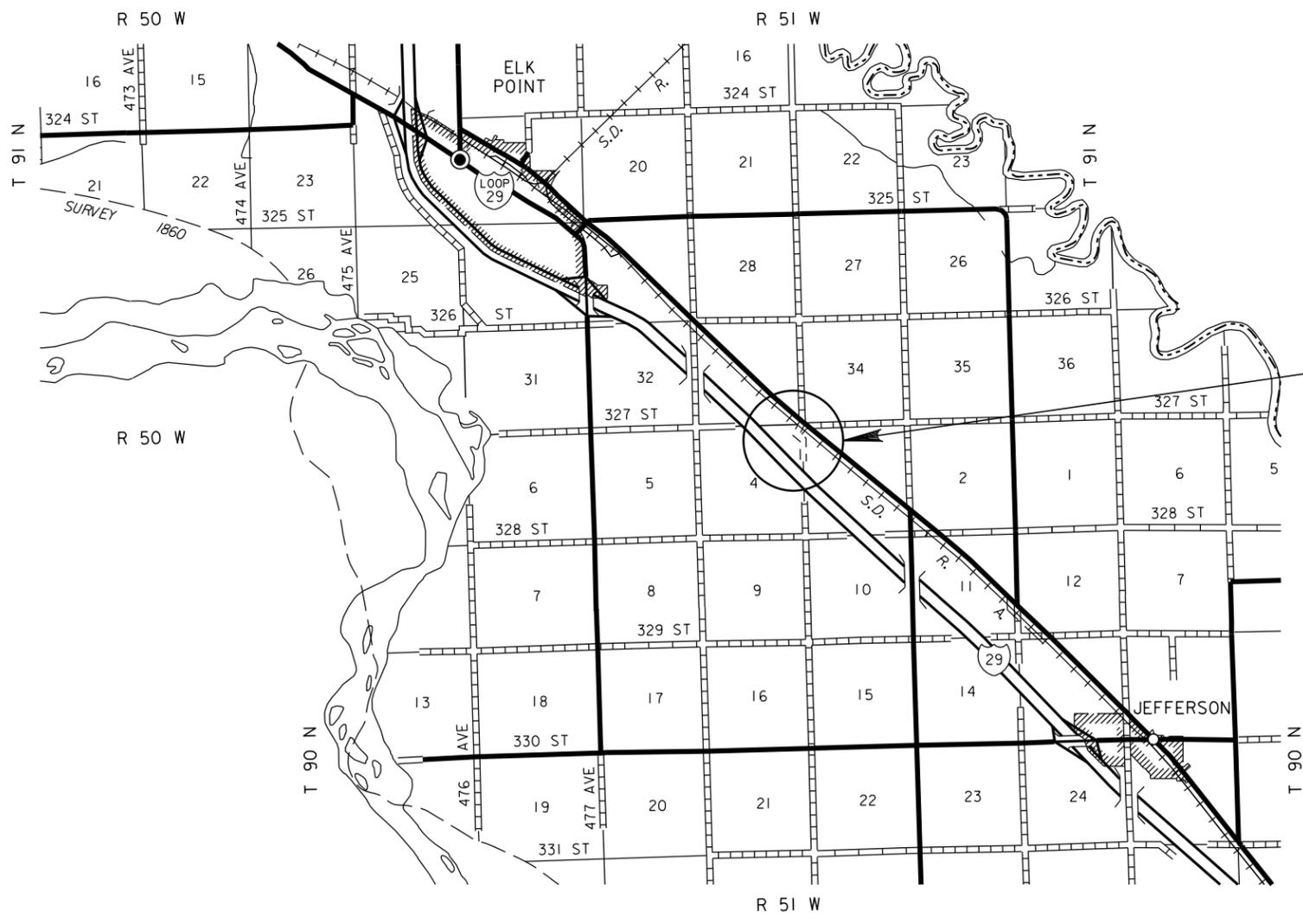
INDEX OF SECTIONS

Section A	Estimate of Quantities and Environmental Commitments
Section C	Traffic Control Plans
Section D	Erosion and Sediment Control Plans
Section F	Surfacing Plans
Section G	Commercial Vehicle Identification System Plans
Section S	Permanent Signing Plans

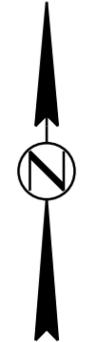
INSTALL COMMERCIAL VEHICLE IDENTIFICATION SYSTEM AND GUARDRAIL  
PCN 05CP



PROJECT →



PROJECT  
Jefferson Port of Entry  
MRM 13.00 +0.450 (Approx.)  
Northbound Lanes



5

DESIGN DESIGNATION

ADT (2014)	6325
ADT (2034)	9114
DHV	1030
D	50%
T DHV	9.6%
T ADT	21.1%
V	80 MPH

STORM WATER PERMIT  
NONE REQUIRED

ACRES DISTURBED - 0.03 ACRES  
PROJECT AREA - 9 ACRES  
LATITUDE = 42.6459  
LONGITUDE = -96.6306

PLOT SCALE - 1:7920

PLOTTED FROM - TRPR18388

PLOT NAME - FILE - ... \PRJ\UNIN05CP\05CP TITLEA.DGN

# ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	HR Y501(01)	A1	A2

Revised 10-26-2015 LLH

## Traffic Control – Section C

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	40.0	Hour
634E0110	Traffic Control Signs	298	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0280	Type 3 Barricade, 8' Single Sided	1	Each
634E0420	Type C Advance Warning Arrow Board	1	Each
634E0640	Temporary Pavement Marking	960	Ft

## Erosion and Sediment Control – Section D

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
734E0010	Erosion Control	Lump Sum	LS

## Surfacing – Section F

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E0700	Remove 3 Cable Guardrail	420	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	2	Each
629E0110	NCHRP 350 Test Level 3 High Tension Cable Guardrail	408	Ft
629E0290	NCHRP 350 Test Level 3 High Tension Cable Guardrail Anchor Assembly	2	Each
* 629E1107	Furnish High Tension Cable Guardrail Post	15	Each
* 629E1109	Furnish High Tension Cable Guardrail Post and Sleeve	10	Each
635E2000	Pedestal Signal Pole	1	Each
635E5020	2' Diameter Footing	9.0	Ft

\* - Denotes Non-Participating

## Commercial Vehicle Identification System –

### Section G

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3490	Commercial Vehicle Identification System	1	Each
635E5302	Type 2 Electrical Junction Box	10	Each
635E5303	Type 3 Electrical Junction Box	5	Each
635E8110	1" Rigid Conduit, Schedule 40	125	Ft
635E8120	2" Rigid Conduit, Schedule 40	2,137	Ft
635E9012	1/C #2 AWG Copper Wire	4,800	Ft
635E9020	1/C #10 AWG Copper Wire	438	Ft

## Permanent Signing – Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
632E0014	1.75' Diameter Breakaway Support Concrete Footing	24.0	Ft
632E1230	W6x15 Steel Post	60.0	Ft

### INDEX OF SHEETS

A1	Estimate of Quantities for Sections C, D, F, G and S
A2	Environmental Commitments

### SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

# ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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## 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 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 department designated sources and designated option material sources, stockpile sites, storage areas, and waste 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.