

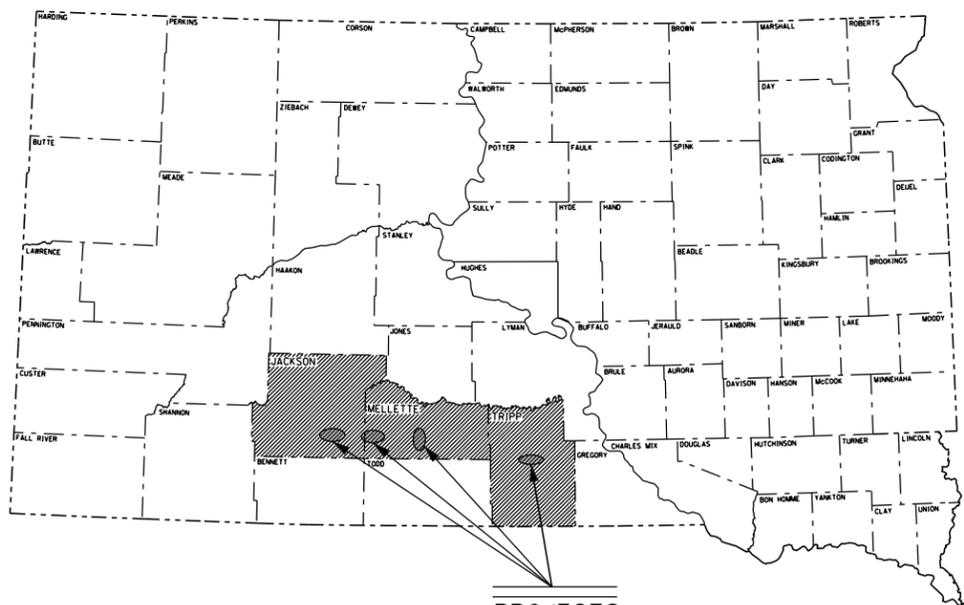
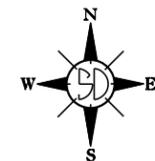
STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
P 0044(150)171, P 0044(189)160, & NH 0083(63)38
SD HIGHWAY 44 & US HIGHWAY 83
JACKSON, TRIPP & MELLETTE COUNTIES

DECK OVERLAY, JOINT MODIFICATION, BRIDGE RAIL RETROFIT,
ZONE PAINTING, APPROACH GUARDRAIL, & APPROACH PAVEMENT

PCN 6488, 045C, & 6490

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
S.D.	P 0044(150)171, P 0044(189)160, & NH 0083(63)38	1	165



PROJECTS

INDEX OF SECTIONS

- Section A: Estimate of Quantities & Environmental Notes
- Section C: Traffic Control Plans
- Section E: Structure Plans
- Section F: Surfacing Plans

DESIGN DESIGNATION

US83 - (STR. 48-256-262)

ADT (2012)	1943
ADT (2032)	2600
DHV	312.0
D	52%
T DHV	8.0%
T ADT	17.6%
V	65 MPH

DESIGN DESIGNATION

SD44 - (STR. 36-361-298)

ADT (2012)	360
ADT (2032)	371
DHV	44.5
D	52%
T DHV	4.2%
T ADT	9.2%
V	65 MPH

DESIGN DESIGNATION

SD44 - (STR. 48-013-210)

ADT (2012)	360
ADT (2032)	371
DHV	44.5
D	52%
T DHV	4.2%
T ADT	9.2%
V	65 MPH

DESIGN DESIGNATION

SD44 - (STR. 62-215-274)

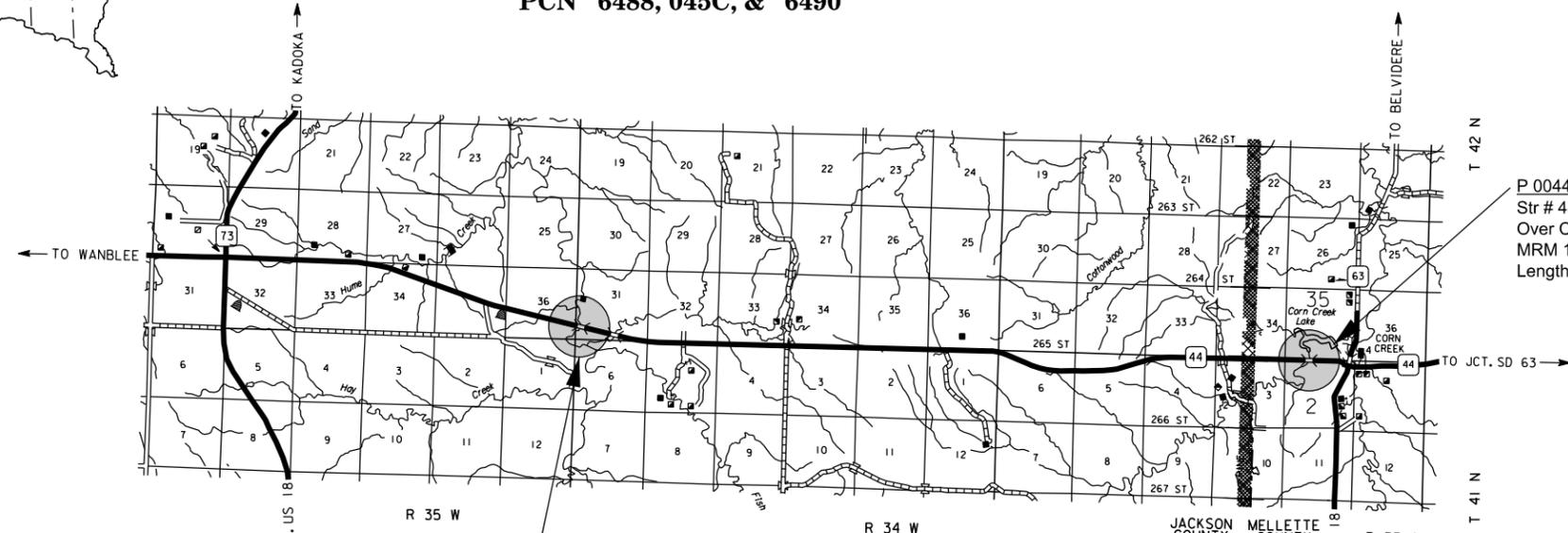
ADT (2012)	1356
ADT (2032)	1599
DHV	191.9
D	52%
T DHV	2.8%
T ADT	6.1%
V	65 MPH

DESIGN DESIGNATION

SD44 - (STR. 62-238-270)

ADT (2012)	1356
ADT (2032)	1599
DHV	191.9
D	52%
T DHV	2.8%
T ADT	6.1%
V	65 MPH

STORM WATER PERMIT
(None Required)

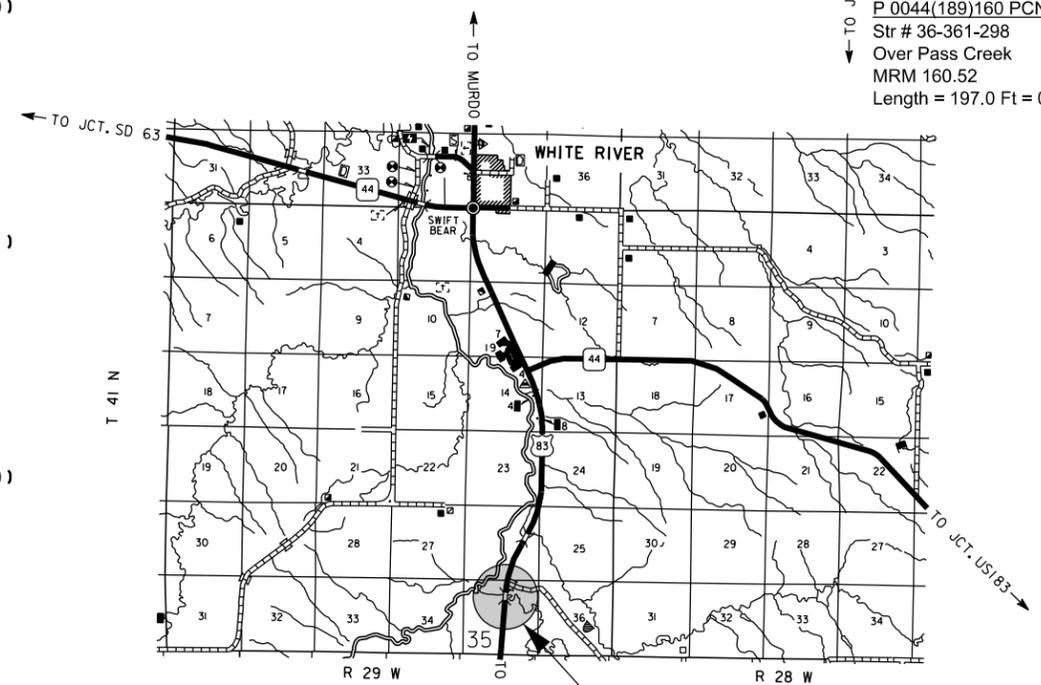


P 0044(150)171 PCN 6488
Str # 48-013-210
Over Corn Creek
MRM 171.99
Length = 265.2 Ft = 0.050 Mile

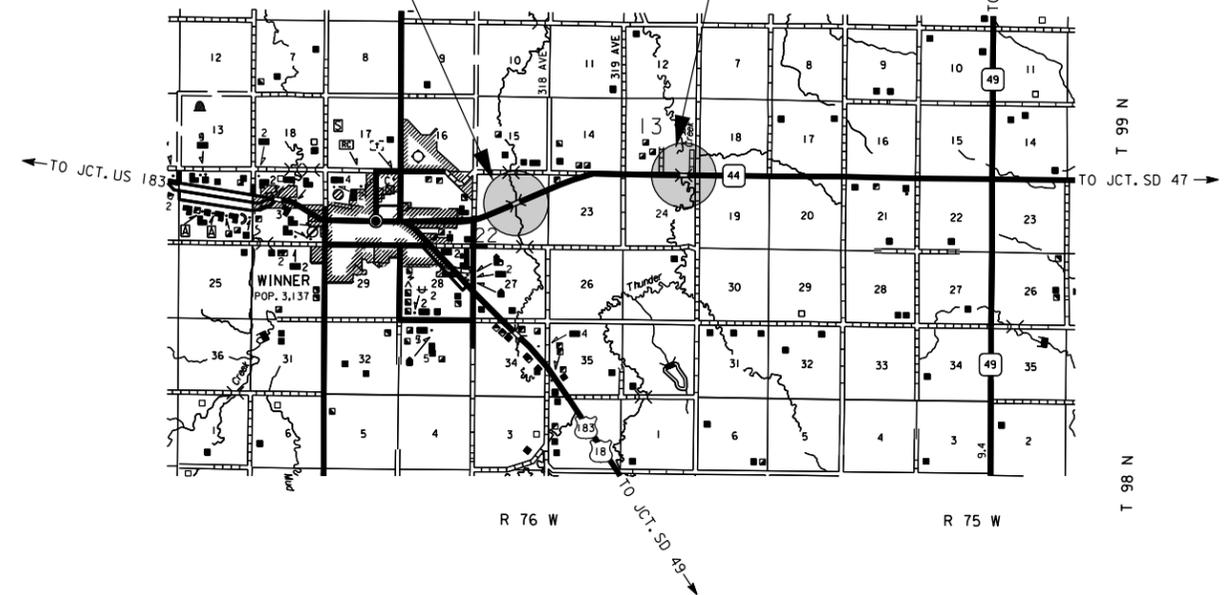
P 0044(189)160 PCN 045C
Str # 36-361-298
Over Pass Creek
MRM 160.52
Length = 197.0 Ft = 0.037 Mile

P 0044(150)171 PCN 6488
Str # 62-215-274
Over Sand Creek
MRM 255.07
Length = 99.8 Ft = 0.019 Mile

P 0044(150)171 PCN 6488
Str # 62-238-270
Over Thunder Creek
MRM 257.40
Length = 99.5 Ft = 0.019 Mile



NH 0083(63)38 PCN 6490
Str # 48-256-262
Over Horse Head Creek
MRM 38.80
Length = 147.0 Ft = 0.028 Mile



ESTIMATE OF QUANTITIES

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
S.D.	P 0044(150)171, +..	A1	A3

SPECIFICATIONS

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

PROJECT P 0044(150)171 PCN 6488

Revision on 10/28/2014 by VAM

Section C ~ Traffic Control

Bid Item Number	Item	Quantity	Unit
633E1300	Pavement Marking Paint, White	49.8	Gal
633E1305	Pavement Marking Paint, Yellow	17.8	Gal
634E0010	Flagging	70	Hour
634E0100	Traffic Control	718	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0300	Temporary Road Marker	408	Each
634E0500	4"x8" Amber Delineator Back to Back, Barrier Mounted	204	Each
634E0610	4" Temporary Pavement Marking Tape Type 2	7,632	Ft
634E0640	Temporary Pavement Marking	6,121	Ft
634E0700	Traffic Control Movable Concrete Barrier	100	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	32	Each
634E0896	Portable Temporary Traffic Signal System	1	Each

Section E ~ Structure # 62-215-274

Bid Item Number	Item	Quantity	Unit
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0020	Remove Bridge Railing	186	Ft
110E0300	Remove Concrete Curb and Gutter	119	Ft
460E0070	Class A45 Concrete, Bridge Repair	12.6	CuYd
460E0200	Special Surface Finish	210	SqFt
460E0300	Breakout Structural Concrete	2.0	CuYd
460E0380	Install Dowel in Concrete	160	Each
462E0100	Class M6 Concrete	7.0	CuYd
480E0200	Epoxy Coated Reinforcing Steel	2,068	Lb
550E0010	Low Slump Dense Concrete Bridge Deck Overlay	34	CuYd
550E0100	Concrete Removal Type 1A	443.6	SqYd
550E0105	Concrete Removal Type 2A	110.9	SqYd
550E0110	Concrete Removal Type 1B	44.4	SqYd
550E0120	Concrete Removal Type 1C	22.1	SqYd
550E0130	Concrete Removal Type 1D	22.1	SqYd
550E0140	Concrete Removal Type B	20.0	Ft
550E0200	Class A45 Concrete Fill	6.9	CuYd
550E0500	Finishing and Curing	443.6	SqYd

Section F ~ Surfacing

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
110E0500	Remove Pipe Culvert	78	Ft
110E0510	Remove Pipe End Section	1	Each
110E0730	Remove Beam Guardrail	1,025.0	Ft
110E0810	Remove Rubrail	96.0	Ft
110E1700	Remove Silt Fence	150	Ft
110E7690	Remove Drop Inlet for Reset	2	Each
110E7700	Remove Drop Inlet Frame and Grate Assembly for Reset	6	Each
120E0010	Unclassified Excavation	722	CuYd
120E0600	Contractor Furnished Borrow	248	CuYd
230E0100	Remove and Replace Topsoil	Lump Sum	LS
260E1010	Base Course	2,108.7	Ton
270E0042	Salvage Asphalt Mix and Granular Base Material	1,043.1	Ton
* 270E0210	Haul and Stockpile Granular Material	1,290.8	Ton
320E1200	Asphalt Concrete Composite	1,405.8	Ton
332E0010	Cold Milling Asphalt Concrete	5,338	SqYd
450E0102	12" RCP Class 2, Furnish	32	Ft
450E0110	12" RCP, Install	32	Ft
450E4739	12" CMP 16 Gauge, Furnish	52	Ft
450E4740	12" CMP, Install	52	Ft
450E5203	12" CMP Flared End, Furnish	1	Each
450E5204	12" CMP Flared End, Install	1	Each
630E0110	Straight Double Class A Thrie Beam Guardrail with Wood Posts	150.0	Ft
630E1010	Straight Class A W Beam Guardrail with Wood Posts	650.0	Ft
630E1140	Straight Double Class A W Beam Guardrail with Wood Posts	275.0	Ft
630E2000	W Beam to Thrie Beam Guardrail Transition	12	Each
630E2020	W Beam Guardrail Tangent End Terminal	12	Each
632E2220	Guardrail Delineator	48	Each
670E6900	Reset Drop Inlet	2	Each
670E7000	Reset Drop Inlet Frame and Grate Assembly	6	Each
734E0010	Erosion Control	Lump Sum	LS
734E0131	Type 1 Turf Reinforcement Mat	4.0	SqYd
734E0602	Low Flow Silt Fence	600	Ft
734E0610	Mucking Silt Fence	42	CuYd
734E0620	Repair Silt Fence	150	Ft
831E0300	MSE Geotextile Fabric	3,440	SqYd

* - Denotes Non-Participating

Section E ~ Structure # 48-013-210

Bid Item Number	Item	Quantity	Unit
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	322.0	SqYd
410E2600	Membrane Sealant Expansion Joint	75.8	Ft
430E0300	Granular Bridge End Backfill	41.3	CuYd
430E0510	Approach Slab Underdrain Excavation	46.2	CuYd
460E0070	Class A45 Concrete, Bridge Repair	5.4	CuYd
460E0150	Concrete Approach Slab for Bridge	205.0	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	37.8	SqYd
460E0200	Special Surface Finish	1,650	SqFt
460E0300	Breakout Structural Concrete	4.2	CuYd
460E0380	Install Dowel in Concrete	60	Each
480E0200	Epoxy Coated Reinforcing Steel	468	Lb
480E0504	No. 4 Rebar Splice	32	Each
480E0505	No. 5 Rebar Splice	32	Each
480E0506	No. 6 Rebar Splice	50	Each
550E0010	Low Slump Dense Concrete Bridge Deck Overlay	63	CuYd
550E0100	Concrete Removal Type 1A	1,056.9	SqYd
550E0110	Concrete Removal Type 1B	105.7	SqYd
550E0120	Concrete Removal Type 1C	52.9	SqYd
550E0130	Concrete Removal Type 1D	52.9	SqYd
550E0140	Concrete Removal Type B	20.0	Ft
550E0200	Class A45 Concrete Fill	75.5	CuYd
550E0500	Finishing and Curing	1,056.8	SqYd
680E0040	4" Underdrain Pipe	76	Ft
680E2010	Precast Concrete Headwall for Drain	4	Each
680E2500	Porous Backfill	7.0	Ton

Section E ~ Structure # 62-238-270

Bid Item Number	Item	Quantity	Unit
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0020	Remove Bridge Railing	186	Ft
110E0300	Remove Concrete Curb and Gutter	118	Ft
460E0070	Class A45 Concrete, Bridge Repair	12.6	CuYd
460E0200	Special Surface Finish	169	SqFt
460E0300	Breakout Structural Concrete	2.4	CuYd
460E0380	Install Dowel in Concrete	182	Each
462E0100	Class M6 Concrete	7.0	CuYd
480E0200	Epoxy Coated Reinforcing Steel	2,118	Lb
550E0010	Low Slump Dense Concrete Bridge Deck Overlay	33	CuYd
550E0100	Concrete Removal Type 1A	437.7	SqYd
550E0105	Concrete Removal Type 2A	109.5	SqYd
550E0110	Concrete Removal Type 1B	43.8	SqYd
550E0120	Concrete Removal Type 1C	21.9	SqYd
550E0130	Concrete Removal Type 1D	21.9	SqYd
550E0140	Concrete Removal Type B	20.0	Ft
550E0200	Class A45 Concrete Fill	10.5	CuYd
550E0500	Finishing and Curing	437.8	SqYd

ESTIMATE OF QUANTITIES

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
S.D.	P 0044(150)171, +..	A2	A3

Revision on 10/28/2014 by VAM

PROJECT P 0044(189)160 PCN 045C

Section C ~ Traffic Control

Bid Item Number	Item	Quantity	Unit
633E1300	Pavement Marking Paint, White	17.5	Gal
633E1305	Pavement Marking Paint, Yellow	6.2	Gal
634E0010	Flagging	38	Hour
634E0100	Traffic Control	718	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0300	Temporary Road Marker	64	Each
634E0500	4"x8" Amber Delineator Back to Back, Barrier Mounted	32	Each
634E0610	4" Temporary Pavement Marking Tape Type 2	2,544	Ft
634E0640	Temporary Pavement Marking	2,180	Ft
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	32	Each
634E0896	Portable Temporary Traffic Signal System	1	Each

Section E ~ Structure # 36-361-298

Bid Item Number	Item	Quantity	Unit
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	294.4	SqYd
410E2600	Membrane Sealant Expansion Joint	75.8	Ft
430E0300	Granular Bridge End Backfill	45.2	CuYd
430E0510	Approach Slab Underdrain Excavation	46.2	CuYd
460E0070	Class A45 Concrete, Bridge Repair	5.4	CuYd
460E0150	Concrete Approach Slab for Bridge	172.4	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	37.8	SqYd
460E0200	Special Surface Finish	1,181	SqFt
460E0300	Breakout Structural Concrete	4.2	CuYd
460E0380	Install Dowel in Concrete	64	Each
480E0200	Epoxy Coated Reinforcing Steel	468	Lb
480E0504	No. 4 Rebar Splice	28	Each
480E0505	No. 5 Rebar Splice	32	Each
480E0506	No. 6 Rebar Splice	44	Each
550E0010	Low Slump Dense Concrete Bridge Deck Overlay	59	CuYd
550E0100	Concrete Removal Type 1A	784.0	SqYd
550E0110	Concrete Removal Type 1B	78.4	SqYd
550E0120	Concrete Removal Type 1C	39.2	SqYd
550E0130	Concrete Removal Type 1D	39.2	SqYd
550E0140	Concrete Removal Type B	20.0	Ft
550E0200	Class A45 Concrete Fill	9.3	CuYd
550E0500	Finishing and Curing	784.0	SqYd
680E0040	4" Underdrain Pipe	76	Ft
680E2010	Precast Concrete Headwall for Drain	4	Each
680E2500	Porous Backfill	7.0	Ton

Section F ~ Surfacing

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
110E0500	Remove Pipe Culvert	84	Ft
110E0510	Remove Pipe End Section	1	Each
110E0730	Remove Beam Guardrail	300.0	Ft
110E1700	Remove Silt Fence	50	Ft
110E7690	Remove Drop Inlet for Reset	2	Each
110E7700	Remove Drop Inlet Frame and Grate Assembly for Reset	2	Each
120E0010	Unclassified Excavation	248	CuYd
120E0600	Contractor Furnished Borrow	39	CuYd
230E0100	Remove and Replace Topsoil	Lump Sum	LS
260E1010	Base Course	616.9	Ton
270E0042	Salvage Asphalt Mix and Granular Base Material	329.9	Ton
* 270E0210	Haul and Stockpile Granular Material	407.0	Ton
320E1200	Asphalt Concrete Composite	431.2	Ton
332E0010	Cold Milling Asphalt Concrete	1,611	SqYd
450E0102	12" RCP Class 2, Furnish	30	Ft
450E0110	12" RCP, Install	30	Ft
450E4739	12" CMP 18 Gauge, Furnish	54	Ft
450E4740	12" CMP, Install	54	Ft
450E5203	12" CMP Flared End, Furnish	1	Each
450E5204	12" CMP Flared End, Install	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	325.0	Ft
630E2000	W Beam to Thrie Beam Guardrail Transition	4	Each
630E2020	W Beam Guardrail Tangent End Terminal	4	Each
632E2220	Guardrail Delineator	16	Each
670E6900	Reset Drop Inlet	2	Each
670E7000	Reset Drop Inlet Frame and Grate Assembly	2	Each
734E0010	Erosion Control	Lump Sum	LS
734E0131	Type 1 Turf Reinforcement Mat	4.0	SqYd
734E0602	Low Flow Silt Fence	200	Ft
734E0610	Mucking Silt Fence	14	CuYd
734E0620	Repair Silt Fence	50	Ft
831E0300	MSE Geotextile Fabric	1,242	SqYd

* - Denotes Non-Participating

Project NH 0083(63)38 PCN 6490

Section C ~ Traffic Control

Bid Item Number	Item	Quantity	Unit
633E1300	Pavement Marking Paint, White	16.9	Gal
633E1305	Pavement Marking Paint, Yellow	6.0	Gal
634E0010	Flagging	40	Hour
634E0100	Traffic Control	718	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0300	Temporary Road Marker	64	Each
634E0500	4"x8" Amber Delineator Back to Back, Barrier Mounted	32	Each
634E0610	4" Temporary Pavement Marking Tape Type 2	2,544	Ft
634E0640	Temporary Pavement Marking	2,087	Ft
634E0700	Traffic Control Movable Concrete Barrier	32	Each
634E0896	Portable Temporary Traffic Signal System	1	Each

Section E ~ Structure # 48-256-262

Bid Item Number	Item	Quantity	Unit
009E3310	Bridge Elevation Survey	Lump Sum	LS
410E0030	Structural Steel, Miscellaneous	Lump Sum	LS
410E0103	Fatigue Retrofit Steel Girder, Type C	154	Each
410E2600	Membrane Sealant Expansion Joint	42.6	Ft
410E3010	Magnetic Particle Weld Inspection	185	In
412E0100	Bridge Repainting, Class I	Lump Sum	LS
412E0400	Rust Penetrating Sealer	Lump Sum	LS
412E0500	Paint Residue Containment	Lump Sum	LS
460E0070	Class A45 Concrete, Bridge Repair	6.8	CuYd
460E0300	Breakout Structural Concrete	6.7	CuYd
480E0200	Epoxy Coated Reinforcing Steel	512	Lb
480E0505	No. 5 Rebar Splice	10	Each
550E0010	Low Slump Dense Concrete Bridge Deck Overlay	52	CuYd
550E0100	Concrete Removal Type 1A	653.3	SqYd
550E0110	Concrete Removal Type 1B	65.3	SqYd
550E0120	Concrete Removal Type 1C	32.7	SqYd
550E0130	Concrete Removal Type 1D	32.7	SqYd
550E0140	Concrete Removal Type B	20.0	Ft
550E0200	Class A45 Concrete Fill	6.3	CuYd
550E0500	Finishing and Curing	653.4	SqYd

Section F ~ Surfacing

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
110E0730	Remove Beam Guardrail	475.0	Ft
110E1700	Remove Silt Fence	50	Ft
120E0010	Unclassified Excavation	172	CuYd
120E0600	Contractor Furnished Borrow	251	CuYd
230E0100	Remove and Replace Topsoil	Lump Sum	LS
260E1010	Base Course	785.0	Ton
270E0042	Salvage Asphalt Mix and Granular Base Material	478.3	Ton
* 270E0210	Haul and Stockpile Granular Material	552.1	Ton
320E1200	Asphalt Concrete Composite	523.1	Ton
332E0010	Cold Milling Asphalt Concrete	1,964	SqYd
630E0110	Straight Double Class A Thrie Beam Guardrail with Wood Posts	50.0	Ft
630E1010	Straight Class A W Beam Guardrail with Wood Posts	350.0	Ft
630E2000	W Beam to Thrie Beam Guardrail Transition	4	Each
630E2020	W Beam Guardrail Tangent End Terminal	4	Each
632E2220	Guardrail Delineator	16	Each
734E0010	Erosion Control	Lump Sum	LS
734E0602	Low Flow Silt Fence	200	Ft
734E0610	Mucking Silt Fence	14	CuYd
734E0620	Repair Silt Fence	50	Ft
831E0300	MSE Geotextile Fabric	972	SqYd

* - Denotes Non-Participating

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
S.D.	P 0044(150)171, +...	A3	A3

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 B3: AMERICAN BURYING BEETLE

This project is located in an area that contains habitat associated with the American Burying Beetle. Project clearance with the SD-USFWS office has been achieved for all work included within the project limits and all designated option borrow sites provided in the plans.

Action Taken/Required:

Earth disturbing activities shall not occur outside the plans designated work limits unless specifically addressed in the plans. The Contractor is responsible for obtaining USFWS review for any borrow sites, staging areas, waste sites, additional easement, and other ground disturbing activities outside the project limits as shown in the plans. The Contractor shall provide the Project Engineer a copy of the USFWS review prior to commencing any work outside the project limits as shown in the plans.

COMMITMENT B4: BALD EAGLE

Bald eagles are known to occur in this area.

Action Taken/Required:

If a nest is observed within one mile of the project site, notify the Project Engineer immediately so that he/she can consult with the Environmental Office for an appropriate course of action.

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.