

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P 0115(47)102	1	HF

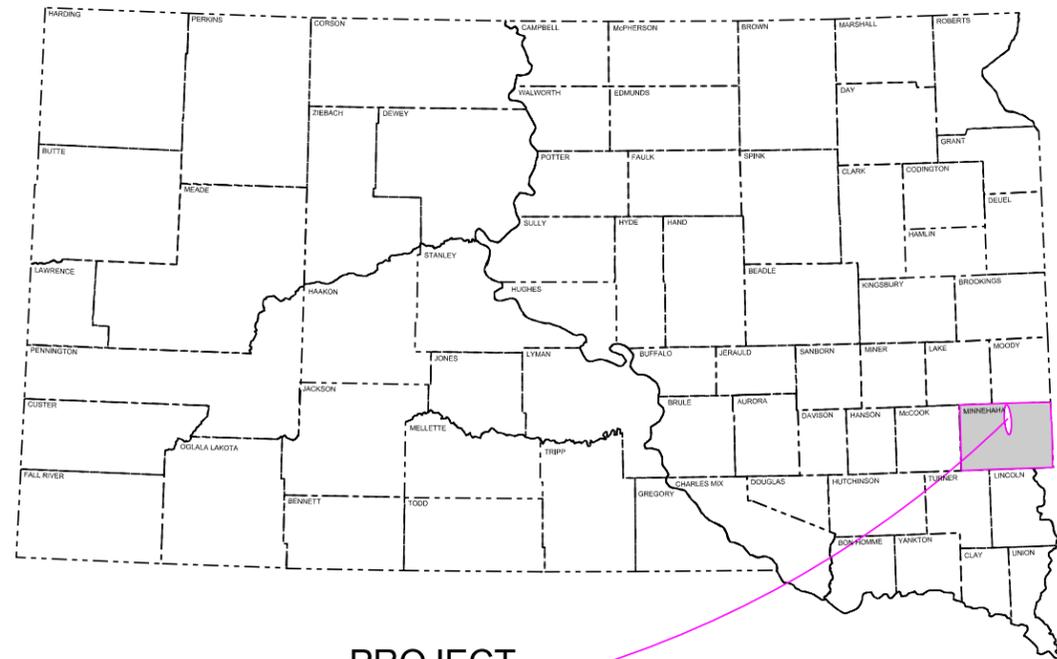
Plotting Date: 11/24/2015

PROJECT P 0115(47)102
S.D. HIGHWAY 115
MINNEHAHA COUNTY

Grading, Curb and Gutter, Storm Sewer, Structure & PCC Surfacing
PCN 025C

INDEX OF SECTIONS

- Section A: Estimate of Quantities and Environmental Commitments
- Section B: Grading Plans
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- Section D: Erosion and Sediment Control Plans
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- Section F: Surfacing Plans
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- Section M: Pavement Marking Plans
- Section S: Permanent Signing Plans
- Section X: Cross Sections
- Section Z: Pipe Sections



PROJECT

END P 0115(47)102

Station 122+07.00=Station 123+57.68 on F 12(8)
Approximately 61.78' North & 2273.66' West
of the Southeast corner of
Section 9 - Township 104 North -
Range 49 West
MRM = 104.13+0.020



BEGIN P 0115(47)102

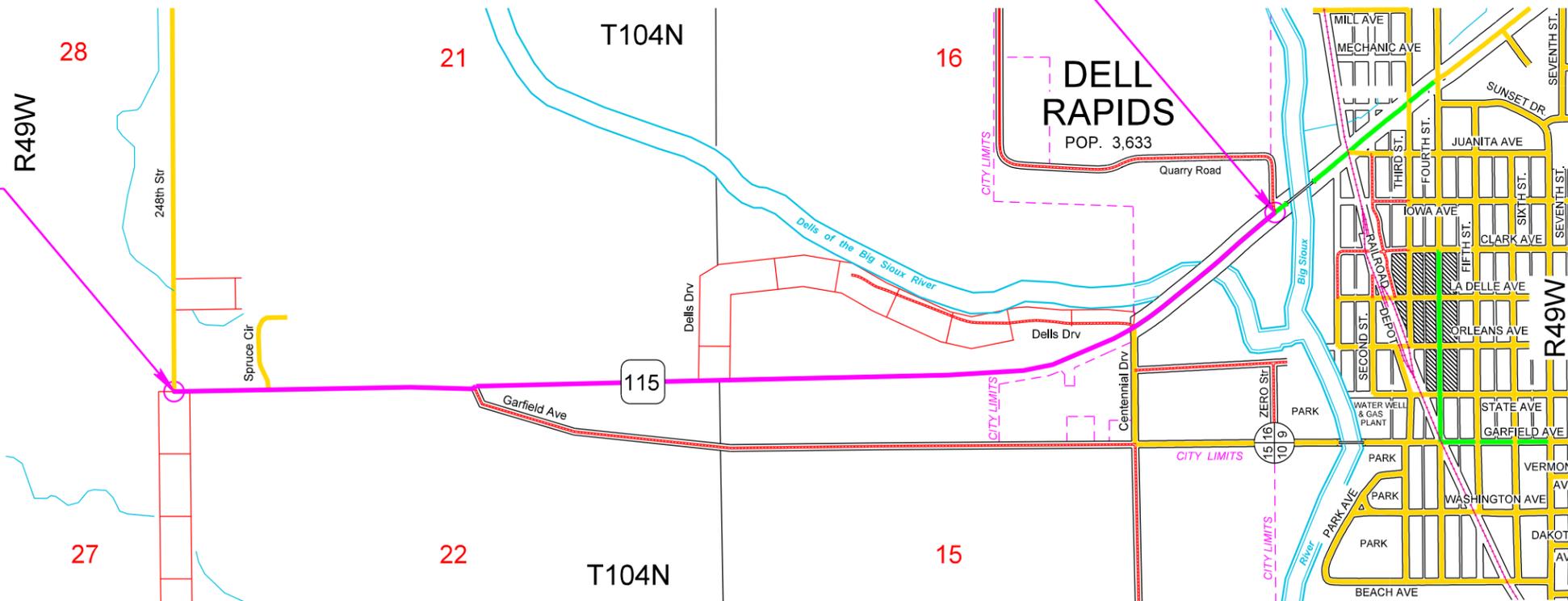
Station 10+42.68=Station 235+38 on F 12(8)
Approximately 11.37' North & 0.00' West
of the Northwest corner of
Section 27 - Township 104 North -
Range 49 West
MRM = 102+00+.050

DESIGN DESIGNATION

ADT (2014)	3629
ADT (2039)	5987
DHV	639
D	51%
T DHV	2.4%
T ADT	144
V	70 mph from 10+42 to 59+00
	60 mph from 59+00 to 102+50
	40 mph from 102+50 to 122+15

STORM WATER PERMIT

Major Receiving
Body of Water: Big Sioux River
Area Disturbed: 27 ac
Total Project Area: 51 ac
Approx. Begin Lat/Long 43.7899, -96.7098



GROSS LENGTH	11172.32 FEET	2.116 MILES
LENGTH OF EXCEPTIONS	0.00 FEET	0.000 MILES
NET LENGTH	11172.32 FEET	2.116 MILES

7

Plot Scale - 1:200

Plotted From - trs112142

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ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT P 0115(47)102	SHEET A2	TOTAL SHEETS A6
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Plotting Date: 01/25/2016 Revised 01-25-16 PCN

Section B - Grading

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	6.411	Mile
009E3245	Final Cross Section Survey	2.114	Mile
009E3250	Miscellaneous Staking	2.114	Mile
009E3280	Slope Staking	2.114	Mile
009E3290	Structure Staking	2	Each
009E3300	Three Man Survey Crew	40.0	Hour
009E4200	Construction Schedule, Category II	Lump Sum	LS
100E0100	Clearing	Lump Sum	LS
110E0400	Remove Drop Inlet	1	Each
110E0600	Remove Fence	2,807	Ft
110E0605	Remove Chain Link Fence	78	Ft
110E0700	Remove 3 Cable Guardrail	908	Ft
110E0730	Remove Beam Guardrail	399.0	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	8	Each
110E1010	Remove Asphalt Concrete Pavement	21,608.7	SqYd
110E1100	Remove Concrete Pavement	29,304.0	SqYd
110E1130	Remove Concrete Driveway Pavement	621.7	SqYd
110E7040	Remove Gate for Reset	1	Each
120E0010	Unclassified Excavation	88,467	CuYd
120E0400	Select Subgrade Topping	46,510	CuYd
120E0420	Contractor Furnished Select Subgrade Topping	2,422	CuYd
120E6100	Water for Embankment	813.0	MGal
250E0020	Incidental Work, Grading	Lump Sum	LS
270E0042	Salvage Asphalt Mix and Granular Base Material	15,678.4	Ton
270E0300	Haul Material	13,104.0	CuYd
380E3520	6" PCC Approach Pavement	32.0	SqYd
380E4050	8" PCC Fillet Section	25.9	SqYd
421E0100	Pipe Culvert Undercut	87	CuYd
450E0122	18" RCP Class 2, Furnish	480	Ft
450E0130	18" RCP, Install	480	Ft
450E0142	24" RCP Class 2, Furnish	386	Ft
450E0150	24" RCP, Install	386	Ft
450E0162	30" RCP Class 2, Furnish	338	Ft
450E0170	30" RCP, Install	338	Ft
450E0202	48" RCP Class 2, Furnish	114	Ft
450E0210	48" RCP, Install	114	Ft
450E0214	54" RCP Class 4, Furnish	144	Ft
450E0220	54" RCP, Install	144	Ft
450E2008	18" RCP Flared End, Furnish	6	Each
450E2009	18" RCP Flared End, Install	6	Each
450E2036	48" RCP Flared End, Furnish	2	Each
450E2037	48" RCP Flared End, Install	2	Each
450E2040	54" RCP Flared End, Furnish	2	Each

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
450E2041	54" RCP Flared End, Install	2	Each
450E2200	24" RCP Sloped End, Furnish	8	Each
450E2201	24" RCP Sloped End, Install	8	Each
450E2204	30" RCP Sloped End, Furnish	6	Each
450E2205	30" RCP Sloped End, Install	6	Each
450E4759	18" CMP 16 Gauge, Furnish	1,390	Ft
450E4760	18" CMP, Install	1,390	Ft
450E5010	18" CMP Elbow, Furnish	2	Each
450E5011	18" CMP Elbow, Install	2	Each
450E5211	18" CMP Flared End, Furnish	1	Each
450E5212	18" CMP Flared End, Install	1	Each
450E5406	18" CMP Safety End, Furnish	38	Each
450E5407	18" CMP Safety End, Install	38	Each
450E5539	36" CMP Arch 16 Gauge, Furnish	64	Ft
450E5540	36" CMP Arch, Install	64	Ft
450E6020	36" CMP Arch Safety End, Furnish	2	Each
450E6023	36" CMP Arch Safety End, Install	2	Each
450E8009	18" RCP to CMP Transition, Furnish	1	Each
450E8010	18" Pipe Transition, Install	1	Each
462E0100	Class M6 Concrete	9.6	CuYd
480E0100	Reinforcing Steel	1,314	Lb
600E0300	Type III Field Laboratory	1	Each
620E0020	Type 2 Right-of-Way Fence	2,274	Ft
620E0060	Type 6 Right-of-Way Fence	345	Ft
620E0510	Type 1 Temporary Fence	2,807	Ft
620E1020	2 Post Panel	22	Each
620E1030	3 Post Panel	17	Each
620E2100	Reset Gate	1	Each
621E0040	4' Chain Link Fence with Top Rail	291	Ft
621E0060	6' Chain Link Fence with Top Rail	60	Ft
650E0080	Type B68 Concrete Curb and Gutter	1,171	Ft
650E4680	Type P8 Concrete Gutter	24	Ft
651E0050	5" Concrete Sidewalk	15,073	SqFt
651E7000	Type 1 Detectable Warnings	79	SqFt
670E1200	Type B Frame and Grate Assembly	4	Each
670E5200	Special Frame and Grate Assembly	4	Each
670E5340	4' x 11' Precast Concrete Type S Drop Inlet Lid	1	Each
670E5400	Precast Drop Inlet Collar	8	Each
720E1015	Bank and Channel Protection Gabion	33.0	CuYd
900E0010	Refurbish Single Mailbox	9	Each
900E0012	Refurbish Double Mailbox	6	Each

INDEX OF SHEETS	
A2 and A4	Estimate of Quantities for Sections B, C, D, E, F, L, M, and S
A5 to A6	Environmental Commitments

1:200 Plot Scale -

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ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT P 0115(47)102	SHEET A3	TOTAL SHEETS A6
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Plotting Date: 01/26/2016 Revised 01-26-16 PCN

Section C - Traffic Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
628E1510	Concrete Barrier End Protection Module Set or Repair Kit	2	Each
632E3600	Temporary Signing	120.0	SqFt
634E0010	Flagging	200.0	Hour
634E0110	Traffic Control Signs	895	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0285	Type 3 Barricade, 8' Double Sided	20	Each
634E0420	Type C Advance Warning Arrow Board	2	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	11,000	Ft
634E0565	Remove Pavement Marking, Arrow	3	Each
634E0640	Temporary Pavement Marking	44,656	Ft
634E0700	Traffic Control Movable Concrete Barrier	320	Each
634E0750	Temporary Concrete Barrier End Protection	8	Each
634E1002	Detour Signing	684.0	SqFt
634E1020	Temporary Business Signing	120.0	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
734E5010	Sweeping	100	Hour

Section E – Structure-50-208-022

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
009E5000	Concrete Penetrating Sealer	1,728.0	SqYd
250E0030	Incidental Work, Structure	Lump Sum	LS
260E1010	Base Course	991.2	Ton
410E2600	Membrane Sealant Expansion Joint	111.1	Ft
420E0100	Structure Excavation, Bridge	1,293	CuYd
430E0200	Bridge End Embankment	318	CuYd
430E0300	Granular Bridge End Backfill	105.7	CuYd
460E0030	Class A45 Concrete, Bridge Deck	950.0	CuYd
460E0050	Class A45 Concrete, Bridge	792.9	CuYd
460E0150	Concrete Approach Slab for Bridge	201.0	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	70.4	SqYd
460E0382	Install Dowel in Rock	365.0	Ft
464E0100	Controlled Density Fill	7.1	CuYd
470E0120	Steel Pedestrian Railing on Sidewalk	349.0	Ft
470E0220	Steel Pedestrian Railing on Concrete Barrier	325.1	Ft
480E0100	Reinforcing Steel	122,273	Lb
480E0200	Epoxy Coated Reinforcing Steel	246,868	Lb
480E0504	No. 4 Rebar Splice	18	Each
480E0507	No. 7 Rebar Splice	112	Each
621E0300	Chain Link Fence for Bridge Sidewalk	349	Ft
635E8020	2" Rigid Galvanized Steel Conduit	360	Ft
651E0160	6" Reinforced Concrete Sidewalk	366	SqFt
680E0040	4" Underdrain Pipe	156	Ft
680E2500	Porous Backfill	26.9	Ton
700E0210	Class B Riprap	953.9	Ton
831E0110	Type B Drainage Fabric	1,228	SqYd
831E1010	Geogrid Reinforcement	954	SqYd
900E7090	Waterproofing Membrane for Structure	220	SqFt

Section E – Retaining Wall

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
250E0030	Incidental Work, Structure	Lump Sum	LS
420E0300	Structure Excavation, Retaining Wall	77	CuYd
530E0420	MSE Large Panel Wall, Furnish	5,264	SqFt
530E0422	MSE Large Panel Wall, Install	5,264	SqFt
530E0702	Granular Backfill for MSE Large Panel Wall	3,528.0	CuYd
650E2000	Concrete Barrier Curb and Gutter	296	Ft
650E2001	Concrete Barrier Curb and Gutter End Section	21	Ft

Section F - Surfacing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6100	Water for Embankment	94.4	MGal
120E6200	Water for Granular Material	356.3	MGal
210E3500	Heavy Roadway Shaping	1.700	Mile
260E2010	Gravel Cushion	13,931.3	Ton
260E2030	Gravel Cushion, Salvaged	15,678.4	Ton
320E0006	PG 64-22 Asphalt Binder	173.2	Ton
320E1050	Class E Asphalt Concrete	3,006.3	Ton
320E3000	Compaction Sample	3	Each
320E5010	Saw and Seal Shoulder Joint	18,168	Ft
330E0010	MC-70 Asphalt for Prime	2.2	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	1.3	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	0.7	Ton
380E0050	8" Nonreinforced PCC Pavement	51,437.7	SqYd
380E0800	PCC Shoulder Pavement	11,193.7	SqYd
380E3020	6" PCC Driveway Pavement	100.6	SqYd
380E6000	Dowel Bar	26,733	Each
380E6110	Insert Steel Bar in PCC Pavement	78	Each
410E2600	Membrane Sealant Expansion Joint	86.6	Ft

Section D - Erosion and Sediment Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	7.0	CuYd
110E1695	Remove Sediment Filter Bag	168	Ft
110E1700	Remove Silt Fence	705	Ft
230E0010	Placing Topsoil	12,194	CuYd
730E0251	Special Permanent Seed Mixture 1	702	Lb
732E0100	Mulching	54.0	Ton
734E0102	Type 2 Erosion Control Blanket	896	SqYd
734E0103	Type 3 Erosion Control Blanket	364	SqYd
734E0132	Type 2 Turf Reinforcement Mat	4,511.0	SqYd
734E0154	12" Diameter Erosion Control Wattle	2,200	Ft
734E0165	Remove and Reset Erosion Control Wattle	550	Ft
734E0180	Sediment Filter Bag	168	Ft
734E0325	Surface Roughening	1.6	Acre
734E0510	Shaping for Erosion Control Blanket	567	Ft
734E0602	Low Flow Silt Fence	1,640	Ft
734E0604	High Flow Silt Fence	1,177	Ft
734E0610	Mucking Silt Fence	195	CuYd
734E0620	Repair Silt Fence	705	Ft
734E0630	Floating Silt Curtain	400	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	5	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	12	Ft
900E1320	Construction Entrance	2	Each

Plot Scale - 1:200

Plotted From - trs12142

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ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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Plotting Date: 12/09/2015 Revised 12-09-15 PCN

Section L – Signal & Lighting

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
635E5302	Type 2 Electrical Junction Box	2	Each
635E8120	2" Rigid Conduit, Schedule 40	50	Ft

Section M - Pavement Marking

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E1300	Pavement Marking Paint, White	77	Gal
633E1305	Pavement Marking Paint, Yellow	102	Gal
633E1445	Pavement Marking Paint, Arrow	30	Each

Section S - Permanent Signing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E5020	Salvage Traffic Sign	56	Each
632E1100	1.12 Lb/Ft Flanged Channel Post	176.0	Ft
632E1320	2.0"x2.0" Perforated Tube Post	262.0	Ft
632E1330	2.25"x2.25" Perforated Tube Post	206.0	Ft
632E1340	2.5"x2.5" Perforated Tube Post	41.5	Ft
632E2510	Type 2 Object Marker Back to Back	20	Each
632E2520	Type 2 Object Marker	2	Each
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	135.5	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	91.6	SqFt
632E3520	Remove, Salvage, Relocate, and Reset Traffic Sign	8	Each

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 P 0115(47)102	SHEET A5	TOTAL SHEETS A6
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Plotting Date: 11/24/2015

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 A: WETLANDS

Approximately 0.02 acres of wetland impacts will occur due to replacement of Str. 50-208-022. Refer to Section B – Grading Plans for location and boundaries of the impacted wetlands. These unavoidable impacts to wetlands are less than 0.1 acres and the "Statewide Wetland Finding for South Dakota Federal-Aid Highway Projects" will apply.

Action Taken/Required:

Temporary impacts will not be mitigated as original grades will be re-established.

Table of Impacted Wetlands

Wetland No.	Type	Station	Permanent Impact (Acres)	Temporary Impact (Acres)	Total Impact (Acres)
10	R3UB3	113+25	0.0	0.02	0.02

The contact person is the Environmental Project Scientist of the SDDOT Environmental Office at 605-773-3268.

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B1: CONSTRUCTION PRACTICES FOR STREAMS INHABITED BY THE TOPEKA SHINER

The US Fish and Wildlife Service (USFWS) have designated the following as Topeka Shiner streams associated with this project.

Table of Topeka Shiner Streams

Station	Stream Name	Ordinary High Water Elevation
111+94	Dells of the Big Sioux River	1476.0

Action Taken/Required:

The Contractor shall adhere to the "Special Provision for Construction Practices in Streams Inhabited by the Topeka Shiner".

Stream turbidity will be monitored during all stages of the project. Turbidity measurements should be taken in conjunction with normal storm water inspections.

The Contractor shall produce a comprehensive Construction Plan that includes all products, materials, and methods of construction and removal for temporary water barriers, cofferdams, and diversion channels including de-watering, handling, storage, and disposal of excavated material and pumped effluent throughout all phases of construction, including post-construction stabilization. This plan shall be approved by the SDDOT Environmental office prior to any work occurring in the above streams. Upon plan approval the Construction Plan shall be amended to the SWPPP document located in Section D – Erosion and Sediment Control Plans.

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.

The Contractor shall not withdraw water directly from streams of the James, Big Sioux, and Vermillion watersheds without prior approval from the SDDOT Environmental Office.

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 D: WATER QUALITY STANDARDS

COMMITMENT D1: SURFACE WATER QUALITY

The Big Sioux River and adjacent creek are classified as warm water, marginal fishery with a total suspended solids standard of 150 milligrams/liter.

Action Taken/Required:

The Contractor is advised the South Dakota Surface Water Quality Standards, administered by the Department of Environment and Natural Resources (DENR), apply to this project. Special construction measures shall be taken to ensure the above standard(s) of the surface waters are maintained and protected.

COMMITMENT D2: SURFACE WATER DISCHARGE

The Big Sioux River and adjacent creek are classified as warm water, marginal fishery with a Surface Water Discharge standard of 150 milligrams/liter total suspended solids.

Action Taken/Required:

If construction dewatering is required, the Contractor shall obtain a Temporary Discharge Permit from the DENR and provide a copy to the Project Engineer. Contact the DENR Surface Water Program at 605-773-3351 to apply for a permit.

COMMITMENT E: STORM WATER

Construction activities constitute 1 acre or more of earth disturbance.

Action Taken/Required:

The DENR and the US Environmental Protection Agency (EPA) have issued separate general permits for the discharge of storm water runoff. The DENR permit applies to discharges on state land and the EPA permit applies to discharges on federal or reservation land. The Contractor is advised this project is regulated under the Phase II Storm Water Regulations and must receive coverage under the General Permit for Construction Activities. A Notice of Intent (NOI) will be submitted to DENR a minimum of 15 days prior to project start by the DOT Environmental Office. A letter must be received from DENR that acknowledges project coverage under this general permit before project start. The Contractor is advised that permit coverage may also be required by off-site activities, such as borrow and staging areas, which are the responsibility of the Contractor.

The Contractor shall adhere to the "Special Provision Regarding Storm Water Discharges to Waters of the State".

A major component of the storm water construction permits is development and implementation of a Storm Water Pollution Prevention Plan (SWPPP), which is a joint effort and responsibility of the SDDOT and the Contractor. Erosion control measures and best management practices will be implemented in accordance with the SWPPP. The SWPPP is a dynamic document and is to be available on-site at all times.

Information on storm water permits and SWPPPs are available on the following websites:

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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SDDOT:

<http://www.sddot.com/business/environmental/stormwater/Default.aspx>

DENR: <http://www.denr.sd.gov/des/sw/stormwater.aspx>

EPA: http://cfpub.epa.gov/npdes/home.cfm?program_id=6

Contractor Certification Form:

The "Department of Environmental and Natural Resources – Contractor Certification Form" (SD EForm – 2110LDV1-ContractorCertification.pdf) shall be completed by the Contractor or their certified Erosion Control Supervisor after the award of the contract. Work may not begin on the project until this form is signed.

The form certifies under penalty of law that the Contractor understands and will comply with the terms and conditions of the Surface Water Discharge General Permit for Storm Water Discharges Associated with Construction Activities for the Project.

The online form can be found at:

<http://denr.sd.gov/des/sw/eforms/E2110LDV1-ContractorCertification.pdf>

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.

COMMITMENT N: SECTION 404 PERMIT

The SDDOT has obtained a Section 404 Permit from the US Army Corps of Engineers for the permanent actions associated with this project.

Action Taken/Required:

The Contractor shall comply with all requirements contained in the Section 404 permit.

The Contractor shall also be responsible for obtaining a Section 404 permit for any dredge, excavation, or fill activities associated with staging areas, borrow sites, waste disposal sites, or material processing sites that affect wetlands or waters of the United States.