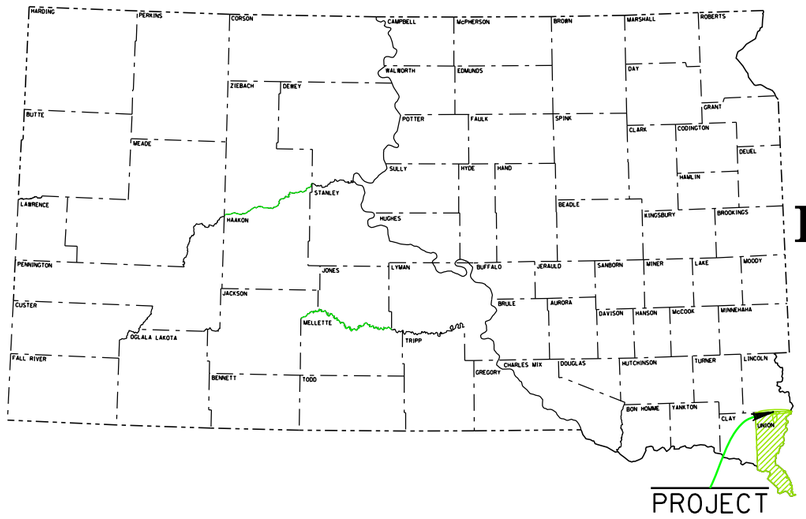
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P-CR 0046(73)366 & P-CR 0011(152)34	1	162

Plotting Date: 08/25/2025



STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
PROJECT
P-CR 0046(73)366 & P-CR 0011(152)34
SD HIGHWAY 46 & 11
UNION & LINCOLN COUNTIES

PCC Pavement Surfacing, Asphalt Concrete Surfacing/Resurfacing, Cold Milling Asphalt Concrete, Pavement Marking, Culvert Work, and Guardrail

PCN 05J5 & 06QY

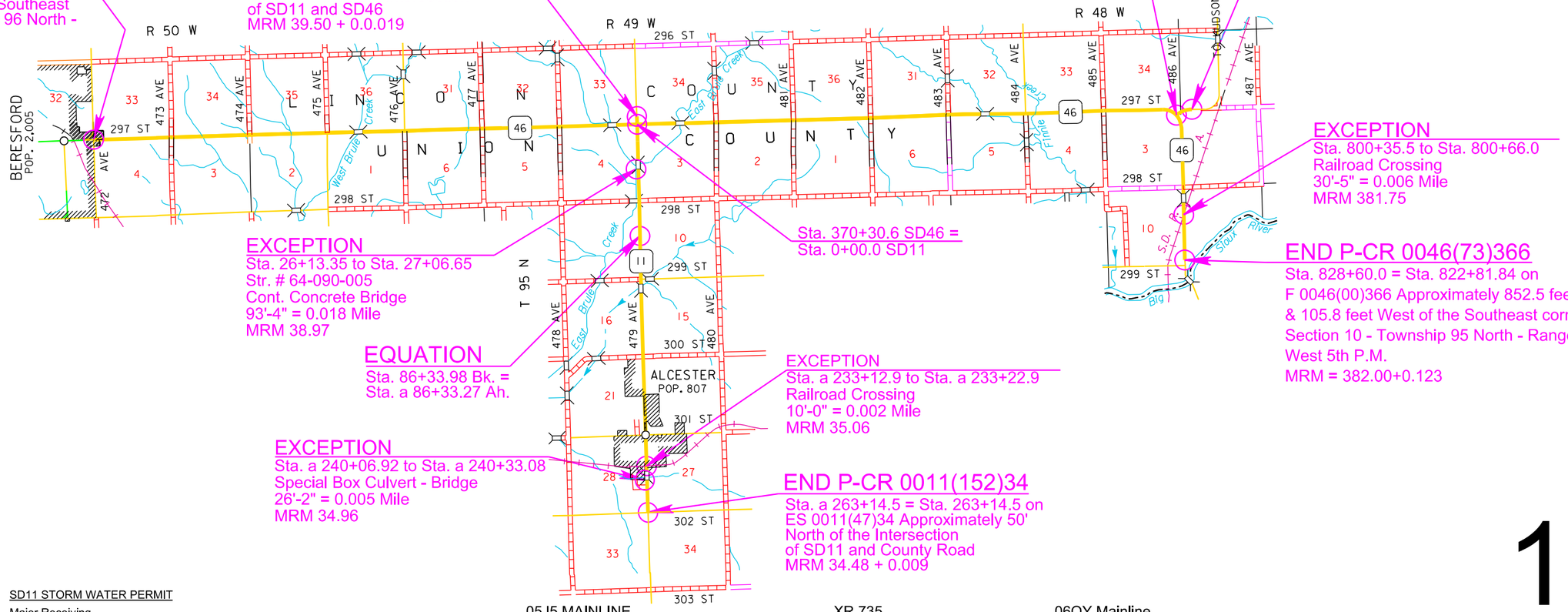
INDEX OF SECTIONS

BEGIN P-CR 0046(73)366
Sta. 0+20.00 =Sta. 52+72.55 on P 0046(48)365 Approximately 0.43 feet South & 12.43 feet West of the Southeast corner of Section 32 - Township 96 North - Range 50 West 5th P.M.
MRM = 366.56+0.000

BEGIN P-CR 0011(152)34
Sta. 0+00.0 -102.5' on ES 0011(47)34. Approximately 102.5' North of the Intersection of SD11 and SD46
MRM 39.50 + 0.0.019

BEGIN XR 735
Sta. 0+38.00
At 735+09.47 SD46

END XR 735
Sta. 13+60.00



EXCEPTION
Sta. 26+13.35 to Sta. 27+06.65
Str. # 64-090-005
Cont. Concrete Bridge
93'-4" = 0.018 Mile
MRM 38.97

EQUATION
Sta. 86+33.98 Bk. =
Sta. a 86+33.27 Ah.

EXCEPTION
Sta. a 240+06.92 to Sta. a 240+33.08
Special Box Culvert - Bridge
26'-2" = 0.005 Mile
MRM 34.96

Sta. 370+30.6 SD46 =
Sta. 0+00.0 SD11

EXCEPTION
Sta. a 233+12.9 to Sta. a 233+22.9
Railroad Crossing
10'-0" = 0.002 Mile
MRM 35.06

END P-CR 0011(152)34
Sta. a 263+14.5 = Sta. 263+14.5 on ES 0011(47)34 Approximately 50' North of the Intersection of SD11 and County Road
MRM 34.48 + 0.009

EXCEPTION
Sta. 800+35.5 to Sta. 800+66.0
Railroad Crossing
30'-5" = 0.006 Mile
MRM 381.75

END P-CR 0046(73)366
Sta. 828+60.0 = Sta. 822+81.84 on F 0046(00)366 Approximately 852.5 feet North & 105.8 feet West of the Southeast corner of Section 10 - Township 95 North - Range 48 West 5th P.M.
MRM = 382.00+0.123

SD46 DESIGN DESIGNATION

ADT (2023)	1986
ADT (2043)	3059
DHV	353
D	51%
T DHV	9.7%
T ADT	21.3%
V	70 mph

SD11 DESIGN DESIGNATION

ADT (2023)	1246
ADT (2043)	1918
DHV	221
D	51%
T DHV	4.2%
T ADT	9.2%
V	65 mph

SD46 STORM WATER PERMIT
Major Receiving
Body of Water: West & East Brule Creek & Finnie Creek
Area Disturbed: 19.3
Total Project Area: 96.6
Approx. Begin Lat,Long: 43.0837/-96.7665

SD11 STORM WATER PERMIT
Major Receiving
Body of Water: East Brule Creek
Area Disturbed: 4.8
Total Project Area: 27.8
Approx. Begin Lat,Long: 43.0838/-96.6280

	05J5 MAINLINE		XR 735		06QY Mainline	
Gross Length:	82,840.00 Feet	15.689 Miles	1,322.0 Feet	0.250 Miles	26,365.71 Feet	4.994 Miles
Length of Exceptions:	30.51 Feet	0.006 Miles	0.0 Feet	0.000 Miles	129.46 Feet	0.025 Miles
Net Length:	82,809.49 Feet	15.683 Miles	1,322.0 Feet	0.250 Miles	26,236.25 Feet	4.969 Miles

1

October 1, 2025

PLOT SCALE = 1.7920
PLOTTED FROM - TPPR13462
PLOT NAME - 1
FILE - ...\TITLE A 05J5-06QY.DGN

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P-CR 0046(73)366 & P-CR 0011(152)34	A1	A5

Revised: 25Aug25, JPC

Section C - Traffic Control

ESTIMATE OF QUANTITIES FOR PCN 05J5

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	500.0	Hour
634E0020	Pilot Car	250.0	Hour
634E0110	Traffic Control Signs	1,253.1	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	128	Each
634E0340	Temporary Raised Pavement Markers	7.3	Mile
634E0560	Remove Pavement Marking, 4" or Equivalent	2,500	Ft
634E0600	4" Temporary Pavement Marking Tape Type I	288	Ft
634E0630	Temporary Pavement Marking	2.0	Mile
634E0700	Traffic Control Movable Concrete Barrier	26	Each
634E0750	Temporary Concrete Barrier End Protection	4	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	2	Each
634E1002	Detour and Restriction Signing	2,228.6	SqFt

ESTIMATE OF QUANTITIES FOR PCN 06QY

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	300.0	Hour
634E0020	Pilot Car	150.0	Hour
634E0110	Traffic Control Signs	478.6	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0330	Temporary Raised Pavement Markers	200	Ft
634E0630	Temporary Pavement Marking	15.0	Mile

Section D - Erosion and Sediment Control

ESTIMATE OF QUANTITIES FOR PCN 05J5

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	4.6	CuYd
110E1693	Remove Erosion Control Wattle	500	Ft
110E1700	Remove Silt Fence	500	Ft
230E0100	Remove and Replace Topsoil	Lump Sum	LS
730E0212	Type G Permanent Seed Mixture	1,932	Lb
731E0200	Fertilizing	37.20	Ton
732E0100	Mulching	148.6	Ton
734E0044	Soil Stabilizer	13.0	Acre
734E0103	Type 3 Erosion Control Blanket	1,250	SqYd
734E0154	12" Diameter Erosion Control Wattle	2,000	Ft
734E0165	Remove and Reset Erosion Control Wattle	625	Ft
734E0602	Low Flow Silt Fence	2,000	Ft
734E0610	Mucking Silt Fence	139	CuYd
734E0620	Repair Silt Fence	500	Ft

ESTIMATE OF QUANTITIES FOR PCN 06QY

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	1.2	CuYd
110E1693	Remove Erosion Control Wattle	125	Ft
110E1700	Remove Silt Fence	125	Ft
230E0100	Remove and Replace Topsoil	Lump Sum	LS
730E0212	Type G Permanent Seed Mixture	11	Lb
731E0200	Fertilizing	0.20	Ton
732E0100	Mulching	0.9	Ton
734E0103	Type 3 Erosion Control Blanket	250	SqYd
734E0154	12" Diameter Erosion Control Wattle	500	Ft
734E0165	Remove and Reset Erosion Control Wattle	125	Ft
734E0602	Low Flow Silt Fence	500	Ft
734E0610	Mucking Silt Fence	35	CuYd
734E0620	Repair Silt Fence	125	Ft

Section F – Surfacing

ESTIMATE OF QUANTITIES FOR PCN 05J5

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
004E0050	Remove Traffic Diversion(s)	Lump Sum	LS
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	17.160	Mile
009E3240	Graded Centerline Staking	0.385	Mile
009E3250	Miscellaneous Staking	15.692	Mile
009E3301	Engineer Directed Surveying/Staking	80.0	Hour
009E3320	Checker	Lump Sum	LS
009E4200	Construction Schedule, Category II	Lump Sum	LS
110E0500	Remove Pipe Culvert	56	Ft
110E7510	Remove Pipe End Section for Reset	26	Each
120E0010	Unclassified Excavation	9,289	CuYd
120E0100	Unclassified Excavation, Digouts	784	CuYd
120E0600	Contractor Furnished Borrow Excavation	11,679	CuYd
120E6100	Water for Embankment	504.2	MGal
120E6200	Water for Granular Material	2,789.6	MGal
210E1005	Surface Preparation	15.684	Mile
210E2000	Shoulder Shaping	31.367	Mile
210E3000	Ordinary Roadway Shaping	2.000	Mile
210E3500	Heavy Roadway Shaping	2.000	Mile
260E1010	Base Course	14,820.3	Ton
260E1030	Base Course, Salvaged	23,381.3	Ton
260E2010	Gravel Cushion	29,019.9	Ton
260E2030	Gravel Cushion, Salvaged	786.3	Ton
260E6000	Granular Material, Furnish	923.2	Ton
270E0040	Salvage and Stockpile Asphalt Mix and Granular Base Material	4,513.4	Ton
270E0110	Salvage and Stockpile Granular Material	13,042.9	Ton
270E0220	Blend and Stockpile Granular Material	5,436.6	Ton
320E0005	PG 58-34 Asphalt Binder	862.7	Ton
320E1070	Class HR Asphalt Concrete	24,590.9	Ton
320E3000	Compaction Sample	6	Each
320E5010	Saw and Seal Shoulder Joint	164,956	Ft
330E0010	MC-70 Asphalt for Prime	215.6	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	46.7	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	34.5	Ton
330E1000	Blotting Sand for Prime	10.0	Ton
330E2000	Sand for Flush Seal	58.2	Ton
380E0050	8" Nonreinforced PCC Pavement	272,464.8	SqYd
380E6000	Dowel Bar	162,714	Each
380E6110	Insert Steel Bar in PCC Pavement	162	Each
380E6548	Grind Sinusoidal Centerline Rumble Stripe in PCC Pavement	15.7	Mile
450E0142	24" RCP Class 2, Furnish	20	Ft
450E0150	24" RCP, Install	20	Ft
450E0162	30" RCP Class 2, Furnish	36	Ft
450E0170	30" RCP, Install	36	Ft
450E9001	Reset Pipe End Section	26	Each
600E0300	Type III Field Laboratory	1	Each
900E0022	Remove and Reset Mailbox	30	Each
998E0100	Railroad Protective Insurance	Lump Sum	LS

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P-CR 0046(73)366 & P-CR 0011(152)34	A2	A5

Revised: 03Sept25, JPC

Section F – Surfacing (Continued)

ESTIMATE OF QUANTITIES FOR PCN 06QY

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	4.981	Mile
009E3250	Miscellaneous Staking	4.981	Mile
009E3320	Checker	Lump Sum	LS
009E4200	Construction Schedule, Category II	Lump Sum	LS
110E0730	Remove Beam Guardrail	325.0	Ft
110E1010	Remove Asphalt Concrete Pavement	372.6	SqYd
110E7500	Remove Pipe for Reset	14	Ft
110E7510	Remove Pipe End Section for Reset	4	Each
120E0010	Unclassified Excavation	549	CuYd
120E0100	Unclassified Excavation, Digouts	248	CuYd
120E0600	Contractor Furnished Borrow Excavation	281	CuYd
120E4100	Reprofiling Ditch	2.4	Sta
120E6100	Water for Embankment	3.7	MGal
120E6200	Water for Granular Material	25.0	MGal
210E0100	Shoulder Clearing	7.9	Mile
260E1010	Base Course	1,229.2	Ton
260E1030	Base Course, Salvaged	856.9	Ton
260E6000	Granular Material, Furnish	3,151.6	Ton
270E0040	Salvage and Stockpile Asphalt Mix and Granular Base Material	296.7	Ton
270E0220	Blend and Stockpile Granular Material	6,545.0	Ton
320E0005	PG 58-34 Asphalt Binder	607.2	Ton
320E1200	Asphalt Concrete Composite	124.2	Ton
320E1202	Class Q2R Hot Mixed Asphalt Concrete	13,926.2	Ton
320E1800	Asphalt Concrete Blade Laid	745.2	Ton
320E4000	Hydrated Lime	146.1	Ton
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	7.8	Mile
330E0010	MC-70 Asphalt for Prime	1.1	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	62.0	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	3.8	Ton
330E2000	Sand for Flush Seal	7.0	Ton
332E0010	Cold Milling Asphalt Concrete	114,891	SqYd
380E7035	Grind Sinusoidal Transverse Rumble Strip in PCC Pavement	392.0	SqFt
450E9000	Reset Pipe	14	Ft
450E9001	Reset Pipe End Section	4	Each
600E0300	Type III Field Laboratory	1	Each
630E0500	Type 1 MGS	150.0	Ft
630E1501	Type 1 Retrofit Guardrail Transition	4	Each
630E2016	MGS Flared End Terminal	4	Each
632E2220	Guardrail Delineator	16	Each
700E0210	Class B Riprap	297.0	Ton
831E0110	Type B Drainage Fabric	512	SqYd
831E0300	Reinforcement Fabric (MSE)	508	SqYd
900E0010	Refurbish Single Mailbox	2	Each
900E0012	Refurbish Double Mailbox	1	Each
900E1980	Storage Unit	1	Each
998E0100	Railroad Protective Insurance	Lump Sum	LS

Section M - Pavement Marking

ESTIMATE OF QUANTITIES FOR PCN 05J5

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0235	Preformed Thermoplastic Pavement Marking, Arrow	22	Each
633E0250	Preformed Thermoplastic Pavement Marking, Railroad Crossing	2	Each
633E3000	Durable Pavement Marking, 4" White	166,918	Ft
633E3005	Durable Pavement Marking, 4" Yellow	59,587	Ft
633E3010	Durable Pavement Marking, 8" White	450	Ft
633E3015	Durable Pavement Marking, 8" Yellow	150	Ft
633E3030	Durable Pavement Marking, 24" White	72	Ft
633E3035	Durable Pavement Marking, 24" Yellow	1,080	Ft
633E3040	Durable Pavement Marking, Area	50	SqFt
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	22	Each
633E5040	Grooving for Cold Applied Plastic Pavement Marking, Railroad Crossing	2	Each
633E5100	Grooving for Durable Pavement Marking, 4"	226,505	Ft
633E5105	Grooving for Durable Pavement Marking, 8"	600	Ft
633E5115	Grooving for Durable Pavement Marking, 24"	1,152	Ft
633E5120	Grooving for Durable Pavement Marking, Area	50	SqFt
633E9200	Mobile Retroreflectometer Measurements	15.000	Mile

ESTIMATE OF QUANTITIES FOR PCN 06QY

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0225	Preformed Thermoplastic Pavement Marking, 24"	184	Ft
633E0250	Preformed Thermoplastic Pavement Marking, Railroad Crossing	2	Each
633E1200	High Build Waterborne Pavement Marking Paint, White	225	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	101	Gal
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	184	Ft
633E5040	Grooving for Cold Applied Plastic Pavement Marking, Railroad Crossing	2	Each

Section S – Permanent Signing

ESTIMATE OF QUANTITIES FOR PCN 05J5

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E7150	Remove Sign for Reset	87	Each
110E7152	Remove Delineator for Reset	357	Each
632E2100	Reset Delineator	357	Each
632E3500	Reset Sign	87	Each

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 10-1-25 Version, Required Provisions, and Special Provisions as included in the Proposal. The Standard Specifications for Roads and Bridges is available for download and viewing at https://dot.sd.gov/doing-business/contractors/standard-specifications.

INDEX OF SHEETS

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P-CR 0046(73)366 & P-CR 0011(152)34	A3	A5

Revised: 28Aug25, JPC

ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified 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. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf >

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion.

COMMITMENT A: AQUATIC RESOURCES

COMMITMENT A1: WETLANDS

All efforts to avoid and minimize wetland impacts from the project have resulted in approximately 0.05 acres of wetlands (includes temporary and permanent) becoming impacted.

Table of Impacted Wetlands

Wetland No.	Station	Perm. Impact Left (Acres)	Perm. Impact Right (Acres)	Temp. Impact Left (Acres)	Temp. Impact Right (Acres)	Total Impact (Acres)
1	A110+80	0.03	0.02	0.00	0.00	0.05
2	A118+24	0.00	0.00	0.00	0.00	0.00
3	A172+44	0.00	0.00	0.00	0.00	0.00

Action Taken/Required:

Mitigation is required in accordance with the "*Statewide Finding Regarding Wetlands for South Dakota Federal-Aid Highway Projects (February 2018)*". Replacement 0.05 acres of permanent wetland impacts will be completed through another wetland mitigation opportunity in a manner which considers FHWA's program-wide goal of 'net gain' of wetlands through enhancement, creation, and preservation.

Temporary impacts identified in the Table of Impacted Wetlands will not be mitigated as original contours and elevations will be re-established. Prior to initiating temporary work in wetlands, the Contractor will submit a plan to the Project Engineer in accordance with Section 7.21 D of the Specifications.

The Contractor will notify the Project Engineer if additional easement is needed to complete work adjacent to any wetland. The Project Engineer will obtain an appropriate course of action from the Environmental Office before proceeding with construction activities that affect any wetlands beyond the work limits and easements shown in the plans.

COMMITMENT A2: STREAMS

All efforts to avoid and minimize stream impacts from the project have resulted in approximately 0.01 acres of stream (includes temporary and permanent) becoming impacted.

Table of Impacted Streams

Stream Name	Station	Perm. Impact Left (Acres)	Perm. Impact Right (Acres)	Temp. Impact Left (Acres)	Temp. Impact Right (Acres)	Total Impact (Acres)
Trib. To Lower Brule Ck	A110+80	0.00	0.01	0.00	0.00	0.01

Action Taken/Required:

It has been determined that project impacts do not require mitigation. Temporary impacts identified in the Table of Impacted Streams will not be mitigated as the finished ground under the bridge will be shaped to match the upstream channel and flood plain and the existing low water channel will be maintained as near as practical to the existing location.

The Contractor will notify the Project Engineer if additional easement is needed to complete work adjacent to any stream. The Project Engineer will obtain an appropriate course of action from the Environmental Office before proceeding with construction activities that affect any streams beyond the work limits and easements shown in the plans.

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B5: NORTHERN LONG-EARED BAT

This project is within the range of suitable habitat for the Northern Long-Eared Bat (NLEB) and project work will avoid conflicts with NLEB roosting habitat.

Action Taken/Required:

Project activities that include tree removal, structure work, and/or work within one-quarter mile of a known hibernacula or 150 feet of a known maternity roost tree, or suitable habitat should not occur within the location(s) listed below during the NLEB seasonal work restriction timeframe without approval from the SDDOT Environmental Office.

COMMITMENT C: WATER SOURCE

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species (AIS) positive waters within South Dakota without prior approval from the SDDOT Environmental Office. To prevent and control the introduction and spread of invasive species into the project vicinity, all equipment will be power washed with hot water (≥140 °F) and completely dried for a minimum of 7 days prior to subsequent use. South Dakota administrative rule 41:10:04:02 forbids the possession and transport of AIS; therefore, all attached dirt, mud, debris and vegetation must be removed and all compartments and tanks capable of holding standing water must be drained. This includes, but is not limited to, all equipment, pumps, lines, hoses and holding tanks.

The Contractor will 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 will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Agriculture and Natural Resources (DANR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Additional information and mapping of water sources impacted by Aquatic Invasive Species in South Dakota can be accessed at:

< https://sdleastwanted.sd.gov/maps/default.aspx >

< South Dakota Administrative Rule 41:10:04 Aquatic Invasive Species: https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04 >

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P-CR 0046(73)366 & P-CR 0011(152)34	A4	A5

Revised: 28Aug25, JPC

COMMITMENT D: WATER QUALITY STANDARDS

COMMITMENT D1: SURFACE WATER QUALITY

The East and West Brule Creek are classified as warm water, marginal fishery with a total suspended solids standard of less than 150 mg/L 30-day average, less than 263 mg/L daily maximum.

Tributaries are classified as fish and wildlife propagation, recreation, irrigation, and stock watering waters. Because of these beneficial uses, special construction measures may have to be taken to ensure that this water body is not impacted.

This project may be in the vicinity of multiple streams and wetlands. These waters are considered waters of the state and are protected under Administrative Rules of South Dakota (ARSD) Chapter 74:51. Special construction measures may have to be taken to ensure that this water body is not impacted.

Action Taken/Required:

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

COMMITMENT D2: SURFACE WATER DISCHARGE

The DANR General Permit for Temporary Discharge is required for temporary dewatering and discharges to waters of the state. The effluent limit for total suspended solids will be 90 mg/L 30-day average. The effluent limit applies to discharges to all waters of the state except discharges to waters classified as cold water permanent fish life propagation waters according to the ARSD 74:51:01:45. For discharges to waters of the state classified as cold water permanent fish life propagation waters, the effluent limit for total suspended solids will be 53 mg/L daily maximum.

The permittee has the option of completing effluent testing or implementing a pollution prevention plan for compliance with this permit. If the permittee develops a pollution prevention plan instead of total suspended solids sampling, the plan must be developed and implemented prior to discontinuing total suspended solids sampling. Refer to Section 4.0 of the permit. If any pollutants are suspected of being discharged, a sample must be taken for those parameters listed in Section 3.4 of the permit.

Refer to Commitment D1: Surface Water Quality for stream classification.

Action Taken/Required:

If construction dewatering is required and this project is currently covered under a General Permit for Stormwater Discharges Associated with Construction Activities, the contractor will need to submit the dewatering information to the SDDANR using the following form:
< https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/docs/DANR_AddTempInfoFillable.pdf >

The Contractor will provide a copy of the approved permit or the submitted dewatering information to the Project Engineer prior to proceeding with any dewatering activities. The approved permit or submitted dewatering information must be kept on-site and as part of the project records.

Effluent monitoring, as a result of dewatering activities, will be summarized for each month and recorded on a separate Discharge Monitoring Report (DMR) and submitted to DANR monthly. Additional information can be found at:
< https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/swdpermitting/Ereporting.aspx >

COMMITMENT E: STORM WATER

Construction activities constitute 1 acre or more of earth disturbance and/or work in a waterway.

Action Taken/Required:

The DANR General Permit for Stormwater Discharges Associated with Construction Activities is required for construction activity disturbing one or more acres of earth and work in a waterway. The SDDOT is the owner of this permit and will submit the NOI to DANR 15 days prior to project start in order to obtain coverage under the General Permit. Work can begin once the DANR letter of approval is received.

The Contractor must adhere to the “Special Provision Regarding Storm Water Discharges to Waters of the State.”

The Contractor will complete the DANR Contractor Certification Form prior to the pre-construction meeting. The form certifies under penalty of law that the Contractor understands and will comply with the terms and conditions of the permit for this project. Work may not begin on this project until this form is signed and submitted to DANR.

The form can be found at:

< https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/docs/DANR_CGPAppendixCCA2023Fillable.pdf >

The Contractor is advised that permit coverage may also be required for off-site activities, such as borrow and staging areas, which are the responsibility of the Contractor.

Storm Water Pollution Prevention Plan

The Storm Water Pollution Prevention Plan (SWPPP) will be developed prior to the submittal of the NOI and will be implemented for all construction activities for compliance with the permit. The SWPPP must be kept on-site and updated as site conditions change. Erosion control measures and best management practices will be implemented in accordance with the SWPPP.

The DOT 298 Form will be used for site inspections and to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents and retained for a minimum of three years.

The inspection will include disturbed areas of the construction site that have not been finally stabilized, areas used for storage materials, structural control measures, and locations where vehicles enter or exit the site. These areas will be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the SWPPP will be observed to ensure that they are operating correctly, and sediment is not tracked off the site.

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

SDDOT: < https://dot.sd.gov/doing-business/environmental/stormwater >

DANR:< https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/stormwater/default.aspx >

EPA: < https://www.epa.gov/npdes >

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor will 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 Public ROW.

The waste disposal site(s) will be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Agriculture and Natural Resources.

The waste disposal site(s) will 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 Environmental Office and the Project Engineer.

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

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P-CR 0046(73)366 & P-CR 0011(152)34	A5	A5

Revised: 28Aug25, JPC

COMMITMENT H: WASTE DISPOSAL SITE (Continued)

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials will be buried in a trench separate from wood debris. The final cover over the construction and/or demolition debris will consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW will be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor will control the access to waste disposal sites not within the Public ROW with 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 not to exceed the duration of the project. Prior to project completion, the waste will 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) will be incidental to the various contract items.

COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historic 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 a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. 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 if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view in 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 will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. 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.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities within 100 feet of the inadvertent discovery will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office, who will contact the appropriate SHPO/THPO within 48 hours of the discovery to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility. The Contractor is responsible for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

COMMITMENT J: CONSTRUCTION PRACTICES FOR TEMPORARY WORKS IN WATERWAYS OF THE U.S.

The Contractor is advised that special construction measures must be taken to ensure that the waterways of the U.S. are not impacted.

Action Taken/Required:
Excavation will not occur below the ordinary high-water elevation in waterways outside of caissons, cribs, cofferdams, steel piling, or sheeting. The natural streambed will not be disturbed unless specified by the plans and under the observation of the Project Engineer. Refer to the Table of U.S. Waterways to Protect for ordinary high-water elevations. Any structure work over or within the waterway will be constructed according to Section 7.21 C of the Specifications.

All dredged or excavated materials will be placed at a site above the ordinary high-water elevation in a confined area (not classified as a wetland) that is a minimum of 50 feet away from concentrated flows of storm water, drainage courses, and inlets to prevent return of such material to the waterway.

The construction of temporary work platforms, crossings, or berms below the ordinary high-water elevation will be allowed if all material placed below the ordinary high-water elevation consists of Class B or larger riprap.

All temporary caissons, cribs, cofferdams, steel piling, sheeting, work platforms, crossings, and berms will be removed with minimal disturbance to the streambed. Proper construction practices will be used to minimize increases in suspended solids and turbidity in the waterway.

Bridge berms, wing dams, traffic diversions, channel reconstruction, stream diversions, grading, etc. will be constructed in close conformity with the plans to ensure that the hydraulic capacity of the waterway is not changed.

Temporary waterway crossings required for the Contractor’s construction operations will be constructed with an adequate drainage structure size and minimum fill height to reduce the potential for upstream flooding. The Contractor will be responsible for sizing the temporary drainage structure for these crossings.

All temporary works in waterways of the US are required to be covered in the Corp of Engineers 404 Permit. At the time of the preconstruction meeting, the Contractor will submit documentation for all temporary works for the purpose of complying with the 404 Permit requirements in accordance with Section 423.3 A of the Specifications.

Table of U.S. Waterways to Protect

Station	Waterway	Ordinary High-Water Elevation
A110+80	Trib. To East Brule Ck	1332’

Stream channel excavation within “Waters of the US” is subject to USACE regulatory jurisdiction. Stream channel excavation cannot exceed the permitted quantities and/or surface area. The 404 Permit is included in the Special Provisions.

The Contractor will take all precautions necessary to prevent any incidental discharges associated with the excavation and hauling of material from the stream channel. This pertains to any excavation operations such as, foundation, pier, or abutment excavation, channel cleanout, excavation for riprap protection, and removal of any temporary fill associated with construction activities.

COMMITMENT N: SECTION 404 PERMIT

The SDDOT has obtained a Section 404 Permit from the USACE for the permanent actions associated with this project.

Action Taken/Required:

The Contractor will comply with all requirements contained in the Section 404 Permit.

The Contractor will also be responsible for obtaining a Section 404 Permit for any dredge, excavation, or fill activities associated with material sources, storage areas, waste sites, and Contractor work sites outside the plan work limits that affect wetlands, floodplains, or waters of the United States.