

STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED



PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	A1	A18

Plotting Date: 5/16/2025

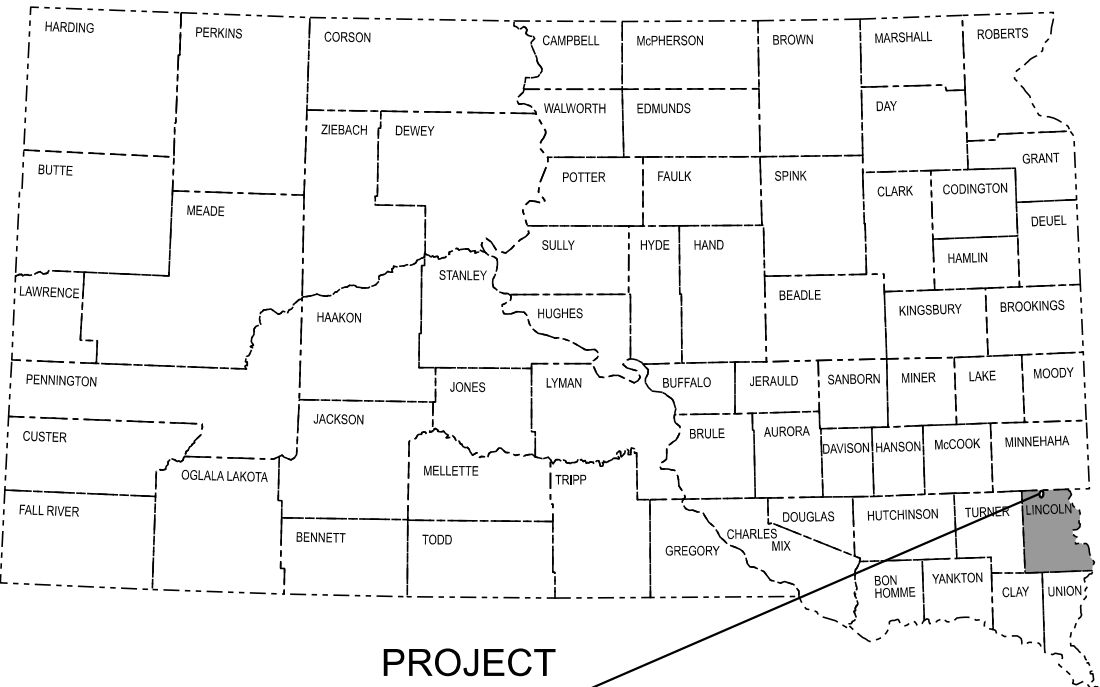
PROJECTS EM 0292(88)73  
& IM 2292(104)0  
INTERSTATE 29 & 85TH STREET  
& INTERSTATE 229  
LINCOLN COUNTY

STRUCTURES, GRADING, PCC PAVEMENT, CURB & GUTTER,  
STORM SEWER, ROADWAY LIGHTING, SIGNALS,  
PAVEMENT MARKING & PERMANENT SIGNING

PCN 06JQ & PCN 07D0

INDEX OF SECTIONS

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Section S:	Permanent Signing Plans
Section X:	Cross Sections
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PROJECT

END EM 0292(88)73

Station 106+06.35  
located 1103.12 feet south and  
1959.66 feet west of the northeast  
corner of Section 18 -Township 100 North -  
Range 50 West of the 5th P.M.  
MRM (029 N) 75.17+0.032

BEGIN EM 0292(88)73

85TH STREET  
Station 299+35.00  
located 20.50 feet south and  
499.13 feet east of the northwest  
corner of Section 19 - Township 100 North -  
Range 50 West of the 5th P.M.

BEGIN EM 0292(88)73

Station 30+27.82  
located 2117.41 feet north and  
2376.09 feet east of the southwest  
corner of Section 19 - Township 100 North -  
Range 50 West of the 5th P.M.  
MRM (029 N) 73.38+0.364

END IM 2292(104)0

I-229 RAMP C LOUISE AVENUE  
Station 43+87.81  
located 1411.81 feet north and  
4960.21 feet east of the southwest  
corner of Section 8 -Township 100 North -  
Range 50 West of the 5th P.M.  
MRM (229 N1) 00.92+0.000

BEGIN IM 2292(104)0

I-229 RAMP B  
Station 19+34.15  
located 1115.22 feet south and  
1906.32 feet west of the northeast  
corner of Section 18 -Township 100 North -  
Range 50 West of the 5th P.M.  
MRM (229 N) 00.00+00.032

END EM 0292(88)73

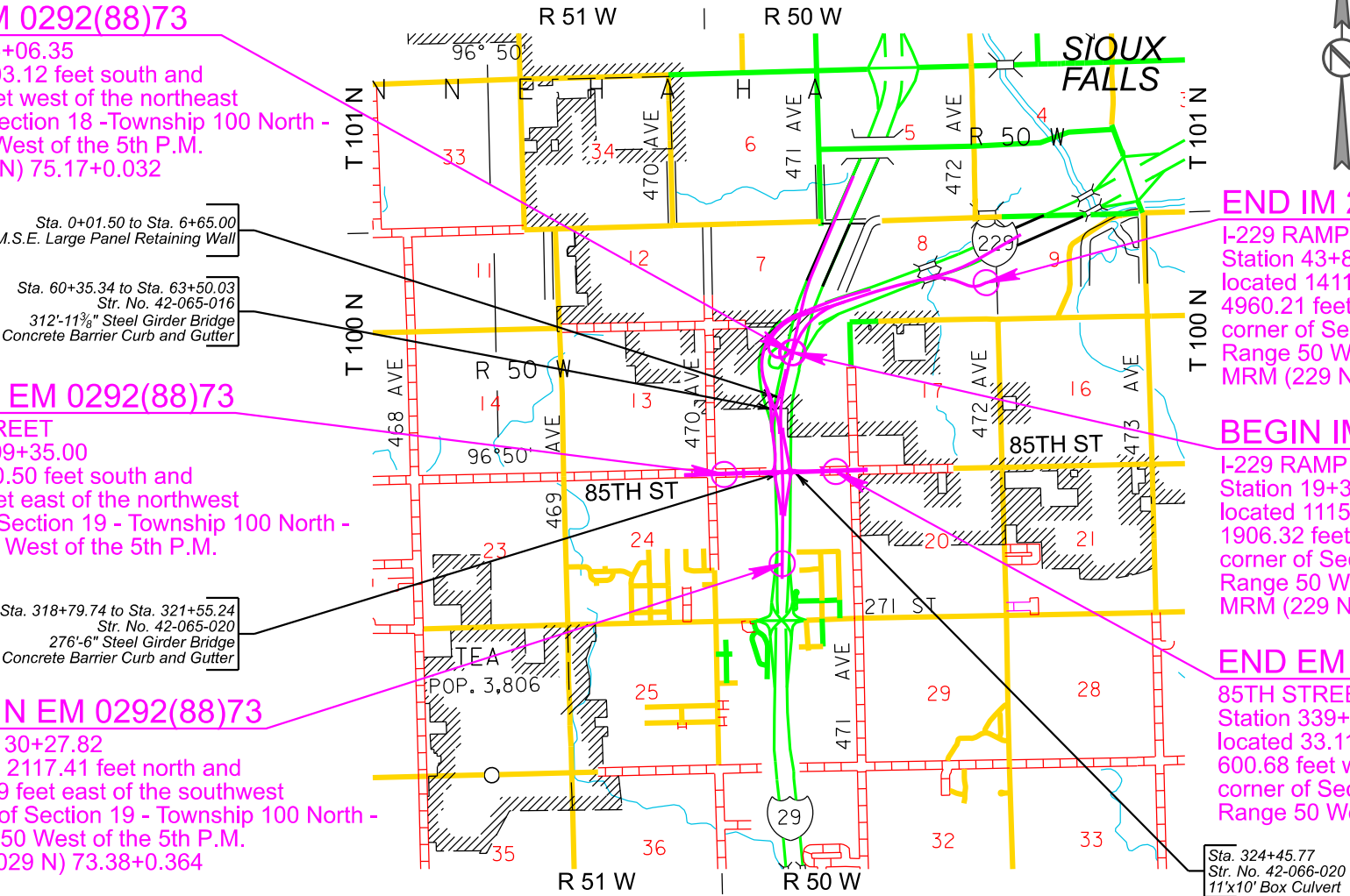
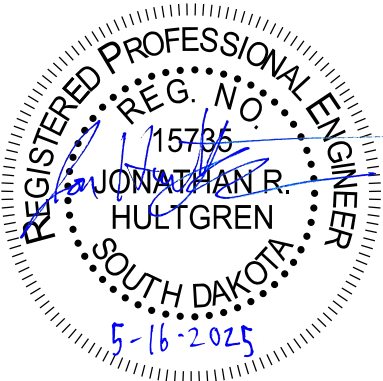
85TH STREET  
Station 339+30.00  
located 33.11 feet south and  
600.68 feet west of the northwest  
corner of Section 20 - Township 100 North -  
Range 50 West of the 5th P.M.

DESIGN DESIGNATION	85th Street W. of I-29	85th Street E. of I-29	I-29
AADT (2019)	0	0	43,000
AADT (2045)	32,900	34,200	73,000
DHV	3,185	3,385	8,080
D	54.6%	52.1%	54.3%
DHV T%	5%	5%	7.1%
AADT T%	5%	5%	11.3%
V	45 mph	45 mph	70 mph

DESIGN DESIGNATION	Ramp A	Ramp B	Ramp C	Ramp D
AADT (2019)	0	0	0	0
AADT (2045)	3,700	14,800	4,600	10,600
DHV	1,345	295	380	1,010
D	100%	100%	100%	100%
DHV T%	4.1	6.9%	6.5%	4.4%
AADT T%	8.7%	5.1%	4.7%	2.9%
V	50 mph	50 mph	50 mph	50 mph

DESIGN DESIGNATION	Ramp C Louise
AADT (2019)	2,689
AADT (2045)	6,884
DHV	560
D	100%
DHV T%	4%
AADT T%	10%
V	50 mph

STORM WATER PERMIT  
Major Receiving  
Body of Water: Big Sioux River  
Area Disturbed: 76 Acres  
Total Project Area: 253 Acres  
Approx. Begin Lat,Long: 43.4665, -96.7971



	85th Street PCN 06JQ	I-29 PCN 06JQ	I-229 PCN 07D0
Gross Length	3,995.03 Feet	7,519.58 Feet	6,375.01 Feet
Length of Exceptions	0.00 Feet	0.00 Feet	0.00 Feet
Net Length	3,995.03 Feet	7,519.58 Feet	6,375.01 Feet



# ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

FOR BIDDING PURPOSES ONLY



Plotting Date:

PROJECT
EM 0292(88)73 IM 2292(104)0

SHEET
A2

TOTAL SHEETS
A18

8/28/2025

Revised Date: 8/28/2025

Initials: NBG

## Section B - Grading PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3220	Reestablish Right-of-Way and Property Corner	62	Each
009E3230	Grade Staking	9.654	Mile
009E3245	Final Cross Section Survey	9.654	Mile
009E3250	Miscellaneous Staking	9.654	Mile
009E3280	Slope Staking	9.654	Mile
009E3290	Structure Staking	4	Each
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
009E4300	Construction Schedule, Category III	Lump Sum	LS
100E0020	Clear and Grub Tree	169	Each
100E0100	Clearing	Lump Sum	LS
110E0600	Remove Fence	8,780	Ft
110E0707	Remove High Tension 4 Cable Guardrail	362	Ft
110E0749	Remove High Tension 4 Cable Guardrail Anchor Assembly	3	Each
110E1100	Remove Concrete Pavement	10,689.9	SqYd
110E7000	Remove Crossover Closure for Reset	600	Ft
120E0010	Unclassified Excavation	180,689	CuYd
120E0420	Contractor Furnished Select Subgrade Topping	77,353	CuYd
120E0600	Contractor Furnished Borrow Excavation	585,739	CuYd
120E1000	Muck Excavation	25,713	CuYd
120E6100	Water for Embankment	6,842.0	MGal
120E6200	Water for Granular Material	250.7	MGal
120E7500	Aggregate Column	4,031.0	CuYd
250E0020	Incidental Work, Grading	Lump Sum	LS
260E1010	Base Course	9,474.6	Ton
260E6010	Granular Material	200.0	Ton
270E0110	Salvage and Stockpile Granular Material	6,480.8	Ton
380E4070	9" PCC Fillet Section	130.2	SqYd
421E0100	Pipe Culvert Undercut	189	CuYd
450E0102	12" RCP Class 2, Furnish	284	Ft
450E0110	12" RCP, Install	284	Ft
450E0122	18" RCP Class 2, Furnish	4,830	Ft
450E0130	18" RCP, Install	4,830	Ft
450E0142	24" RCP Class 2, Furnish	364	Ft
450E0143	24" RCP Class 3, Furnish	396	Ft
450E0150	24" RCP, Install	760	Ft
450E0162	30" RCP Class 2, Furnish	204	Ft
450E0163	30" RCP Class 3, Furnish	708	Ft
450E0170	30" RCP, Install	912	Ft
450E0182	36" RCP Class 2, Furnish	104	Ft
450E0190	36" RCP, Install	104	Ft
450E2008	18" RCP Flared End, Furnish	8	Each
450E2009	18" RCP Flared End, Install	8	Each

## Section B - Grading (Continued) PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
450E2016	24" RCP Flared End, Furnish	4	Each
450E2017	24" RCP Flared End, Install	4	Each
450E2024	30" RCP Flared End, Furnish	12	Each
450E2025	30" RCP Flared End, Install	12	Each
450E2028	36" RCP Flared End, Furnish	2	Each
450E2029	36" RCP Flared End, Install	2	Each
450E3022	30" RCP Arch Class 2, Furnish	884	Ft
450E3030	30" RCP Arch, Install	884	Ft
450E3042	42" RCP Arch Class 2, Furnish	296	Ft
450E3050	42" RCP Arch, Install	296	Ft
450E4508	30" RCP Arch Flared End, Furnish	12	Each
450E4509	30" RCP Arch Flared End, Install	12	Each
450E4516	42" RCP Arch Flared End, Furnish	4	Each
450E4517	42" RCP Arch Flared End, Install	4	Each
450E4758	18" CMP 14 Gauge, Furnish	696	Ft
450E4760	18" CMP, Install	696	Ft
450E4768	24" CMP 14 Gauge, Furnish	134	Ft
450E4770	24" CMP, Install	134	Ft
450E5010	18" CMP Elbow, Furnish	20	Each
450E5011	18" CMP Elbow, Install	20	Each
450E5211	18" CMP Flared End, Furnish	9	Each
450E5212	18" CMP Flared End, Install	9	Each
450E5215	24" CMP Flared End, Furnish	2	Each
450E5216	24" CMP Flared End, Install	2	Each
462E0100	Class M6 Concrete	236.7	CuYd
464E0100	Controlled Density Fill	600.0	CuYd
480E0100	Reinforcing Steel	36,356	Lb
600E0300	Type III Field Laboratory	1	Each
621E0160	6' Chain Link Fence with Tension Wired Top	13,940	Ft
628E1500	Concrete Barrier End Protection	1	Each
629E0110	High Tension 4 Cable Guardrail	7,228	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	11	Each
* 629E1109	Furnish High Tension Cable Guardrail Post and Sleeve	50	Each
629E9050	Reset Crossover Closure	600	Ft
630E0500	Type 1 MGS	1,702.5	Ft
630E1500	Type 1 Guardrail Transition	1	Each
630E2018	MGS MASH Tangent End Terminal	9	Each
630E2065	MGS Trailing End Terminal	8	Each
635E8260	6" Rigid Conduit, Schedule 80	75	Ft
650E0090	Type B69 Concrete Curb and Gutter	138	Ft
650E0095	Type B69.5 Concrete Curb and Gutter	4,797	Ft
650E0390	Type BL69 Concrete Curb and Gutter	7,194	Ft
650E2100	Special Concrete Curb and Gutter	7,772	Ft

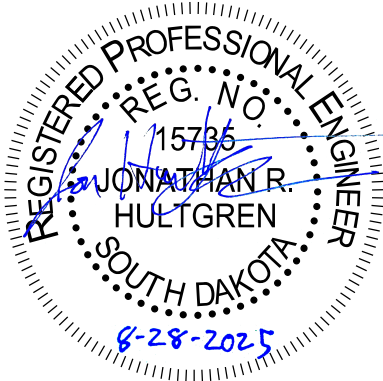
### INDEX OF SHEETS

A2 to A7 Estimate of Quantities for Sections B, C, D, E, F, H, L, M, and S  
A8 to A18 Environmental Commitments

## Section B - Grading (Continued) PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
651E0060	6" Concrete Sidewalk	74,305	SqFt
651E7000	Type 1 Detectable Warnings	698	SqFt
670E1200	Type B Frame and Grate	26	Each
670E2200	Type C Frame and Grate	2	Each
670E5200	Special Frame and Grate Assembly	1	Each
670E5200	Special Frame and Grate Assembly	35	Each
670E5200	Special Frame and Grate Assembly	4	Each
670E5200	Special Frame and Grate Assembly	1	Each
670E5200	Special Frame and Grate Assembly	2	Each
670E5342	4' x 6' Precast Concrete Type S Drop Inlet Lid	8	Each
670E5400	Precast Drop Inlet Collar	28	Each
671E6010	Type A10 Manhole Frame and Lid	4	Each
671E7010	Adjust Manhole	1	Each
680E0224	4" PVC Outlet Pipe	13	Ft
680E0260	6" Corrugated Polyethylene Drainage Tubing	1,293	Ft
680E0660	6" Slotted Corrugated Polyethylene Drainage Tubing	1,029	Ft
700E0210	Class B Riprap	454.0	Ton
831E0110	Type B Drainage Fabric	657	SqYd
900E0010	Refurbish Single Mailbox	1	Each
900E1049	EPS Geomembrane	5,319.0	SqYd
900E1050	Expanded Polystyrene (EPS) Foam	7,936.0	CuYd
900E2030	Miscellaneous Work	7	Site

\* - Denotes Non-Participating





Section B - Grading (Continued)  
PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	1.843	Mile
009E3245	Final Cross Section Survey	1.843	Mile
009E3250	Miscellaneous Staking	1.843	Mile
009E3280	Slope Staking	1.843	Mile
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
009E4300	Construction Schedule, Category III	Lump Sum	LS
110E0600	Remove Fence	130	Ft
110E1010	Remove Asphalt Concrete Pavement	7,912.8	SqYd
110E1100	Remove Concrete Pavement	8,998.5	SqYd
120E0010	Unclassified Excavation	33,426	CuYd
120E0420	Contractor Furnished Select Subgrade Topping	9,865	CuYd
250E0020	Incidental Work, Grading	Lump Sum	LS
270E0110	Salvage and Stockpile Granular Material	3,538.1	Ton
450E3004	18" RCP Arch Class 4, Furnish	92	Ft
450E3010	18" RCP Arch, Install	92	Ft
450E3014	24" RCP Arch Class 4, Furnish	110	Ft
450E3020	24" RCP Arch, Install	110	Ft
450E4500	18" RCP Arch Flared End, Furnish	4	Each
450E4501	18" RCP Arch Flared End, Install	4	Each
450E4504	24" RCP Arch Flared End, Furnish	4	Each
450E4505	24" RCP Arch Flared End, Install	4	Each
621E0160	6" Chain Link Fence with Tension Wired Top	130	Ft
629E0110	High Tension 4 Cable Guardrail	227	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	2	Each
700E0210	Class B Riprap	39.0	Ton
831E0110	Type B Drainage Fabric	56	SqYd

Section C - Traffic Control  
PCN 06JQ

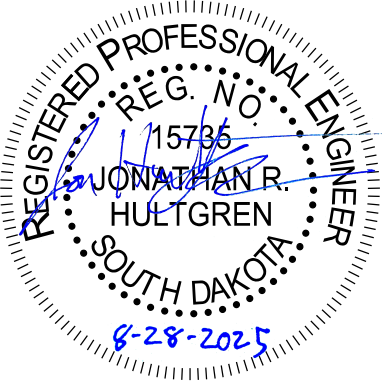
BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	100.0	Hour
634E0110	Traffic Control Signs	1,184.7	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0135	Traffic Control Supervisor	Lump Sum	LS
634E0275	Type 3 Barricade	20	Each
634E0330	Temporary Raised Pavement Markers	10,000	Ft
634E0420	Type C Advance Warning Arrow Board	4	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	344	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	6,985	Ft
634E0640	Temporary Pavement Marking	19,395	Ft
634E0700	Traffic Control Movable Concrete Barrier	250	Each
634E0702	Contractor Supplied Traffic Control Movable Concrete Barrier	344	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	96	Each
634E0750	Temporary Concrete Barrier End Protection	4	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	3	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	4	Each
634E1002	Detour and Restriction Signing	477.6	SqFt
634E1150	Opposing Traffic Lane Divider	35	Each
634E1160	Replace Opposing Traffic Lane Divider	5	Each
634E1215	Contractor Furnished Portable Changeable Message Sign	7	Each
634E1235	Queue Detection System	18.0	Mth
634E1245	Maintenance of Queue Detection System	20	Hour
634E1255	Contractor Furnished Speed Monitoring Radar Trailer	2	Each
634E1260	Truck/Trailer Mounted Attenuator	1	Each
635E5600	Surveillance Camera	1	Each

PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	20.0	Hour
634E0110	Traffic Control Signs	258.5	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0135	Traffic Control Supervisor	Lump Sum	LS
634E0275	Type 3 Barricade	7	Each
634E0420	Type C Advance Warning Arrow Board	1	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	6,820	Ft
634E0640	Temporary Pavement Marking	12,133	Ft
634E0702	Contractor Supplied Traffic Control Movable Concrete Barrier	234	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	388	Each
634E0750	Temporary Concrete Barrier End Protection	2	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	1	Each
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
634E1245	Maintenance of Queue Detection System	20	Hour
634E1260	Truck/Trailer Mounted Attenuator	1	Each

Section D - Erosion and Sediment Control  
PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	20.0	CuYd
110E1693	Remove Erosion Control Wattle	825	Ft
110E1700	Remove Silt Fence	2,980	Ft
120E6300	Water for Vegetation	12,529.5	MGal
230E0010	Placing Topsoil	24,188	CuYd
730E0100	Cover Crop Seeding	21.6	Bu
730E0206	Type D Permanent Seed Mixture	1,356	Lb
730E0212	Type G Permanent Seed Mixture	990	Lb
731E0200	Fertilizing	32.30	Ton
732E0300	Bonded Fiber Matrix	84.1	Ton
734E0044	Soil Stabilizer	43.1	Acre
734E0102	Type 2 Erosion Control Blanket	80,222	SqYd
734E0154	12" Diameter Erosion Control Wattle	3,220	Ft
734E0165	Remove and Reset Erosion Control Wattle	825	Ft
734E0180	Sediment Filter Bag	2,510	Ft
734E0325	Surface Roughening	8.0	Acre
734E0602	Low Flow Silt Fence	13,755	Ft
734E0610	Mucking Silt Fence	827	CuYd
734E0620	Repair Silt Fence	3,439	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	32	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	306	Ft
734E5005	Dewatering	Lump Sum	LS
734E5010	Sweeping	100	Hour
900E1310	Concrete Washout Facility	4	Each
900E1320	Construction Entrance	4	Each



Section D - Erosion and Sediment Control  
(Continued)  
PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	3.2	CuYd
110E1693	Remove Erosion Control Wattle	350	Ft
110E1700	Remove Silt Fence	1,039	Ft
120E6300	Water for Vegetation	2,632.5	MGal
230E0010	Placing Topsoil	4,875	CuYd
730E0212	Type G Permanent Seed Mixture	236	Lb
731E0200	Fertilizing	6.80	Ton
732E0300	Bonded Fiber Matrix	17.7	Ton
734E0044	Soil Stabilizer	9.1	Acre
734E0154	12" Diameter Erosion Control Wattle	1,400	Ft
734E0165	Remove and Reset Erosion Control Wattle	350	Ft
734E0602	Low Flow Silt Fence	4,199	Ft
734E0610	Mucking Silt Fence	288	CuYd
734E0620	Repair Silt Fence	1,039	Ft
734E5005	Dewatering	Lump Sum	LS
734E5010	Sweeping	24	Hour
900E1310	Concrete Washout Facility	2	Each
900E1320	Construction Entrance	1	Each

Section E - Structures  
PCN 06JQ

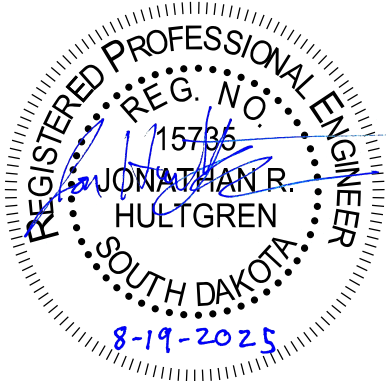
BID ITEM NUMBER	ITEM	QUANTITY	UNIT
420E0300	Structure Excavation, Retaining Wall	2,750	CuYd
420E1000	Foundation Preparation, Retaining Wall	1,277	CuYd
421E0200	Box Culvert Undercut	139	CuYd
430E0200	Bridge End Embankment	1,878	CuYd
430E0700	Precast Concrete Headwall for Drain	1	Each
460E0100	Class A45 Concrete, Miscellaneous	659.8	CuYd
460E0120	Class A45 Concrete, Box Culvert	268.5	CuYd
460E0204	Anti-Graffiti Coating	26,543.0	SqFt
480E0100	Reinforcing Steel	49,688	Lb
480E0200	Epoxy Coated Reinforcing Steel	100,103	Lb
530E0420	MSE Large Panel Wall, Furnish	10,140	SqFt
530E0422	MSE Large Panel Wall, Install	10,140	SqFt
530E0702	Granular Backfill for MSE Large Panel Wall	6,009.0	CuYd
651E0040	4" Concrete Sidewalk	164	SqFt
680E0040	4" Underdrain Pipe	1,345	Ft
680E2500	Porous Backfill	660.0	Ton

Structure No. 42-065-016


BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
009E5000	Concrete Penetrating Sealer	939.0	SqYd
120E7000	Select Granular Backfill	14.9	Ton
410E0020	Structural Steel	Lump Sum	LS
410E0700	Abutment Joint Drain	2	Each
410E2100	Finger Type Expansion Joint Assembly	2	Each
420E0100	Structure Excavation, Bridge	465	CuYd
430E0200	Bridge End Embankment	1,720	CuYd
430E0300	Granular Bridge End Backfill	156.0	CuYd
430E0510	Approach Slab Underdrain Excavation	2.0	CuYd
430E0700	Precast Concrete Headwall for Drain	6	Each
460E0030	Class A45 Concrete, Bridge Deck	340.1	CuYd
460E0050	Class A45 Concrete, Bridge	560.6	CuYd
460E0150	Concrete Approach Slab for Bridge	238.5	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	34.6	SqYd
460E0500	Deck Drain, Girder Bridge	9	Each
480E0100	Reinforcing Steel	73,346	Lb
480E0200	Epoxy Coated Reinforcing Steel	8,496	Lb
480E0300	Stainless Reinforcing Steel	67,897	Lb
510E3521	HP 14x73 Steel Test Pile, Furnish and Drive	420	Ft
510E3525	HP 14x73 Steel Bearing Pile, Furnish and Drive	7,120	Ft
635E8020	2" Rigid Galvanized Steel Conduit	313	Ft
680E0040	4" Underdrain Pipe	380	Ft
680E2500	Porous Backfill	32.0	Ton
734E2022	Bridge Berm Slope Protection, Quarried Aggregate	442.1	SqYd
831E0100	Type A Drainage Fabric	443	SqYd
831E0110	Type B Drainage Fabric	47	SqYd
831E1030	Perforated Geocell	425	SqFt

Structure No. 42-065-020

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
009E5000	Concrete Penetrating Sealer	2,470.0	SqYd
120E7000	Select Granular Backfill	37.0	Ton
410E0020	Structural Steel	Lump Sum	LS
410E2600	Membrane Sealant Expansion Joint	184.5	Ft
420E0100	Structure Excavation, Bridge	407	CuYd
430E0200	Bridge End Embankment	2,980	CuYd
430E0300	Granular Bridge End Backfill	408.0	CuYd
430E0510	Approach Slab Underdrain Excavation	6.0	CuYd
430E0700	Precast Concrete Headwall for Drain	4	Each
460E0030	Class A45 Concrete, Bridge Deck	820.2	CuYd
460E0050	Class A45 Concrete, Bridge	530.4	CuYd
460E0150	Concrete Approach Slab for Bridge	407.4	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	150.4	SqYd
462E0100	Class M6 Concrete	40.9	CuYd
470E0220	Steel Pedestrian Railing on Concrete Barrier	767.0	Ft
480E0100	Reinforcing Steel	111,682	Lb
480E0200	Epoxy Coated Reinforcing Steel	1,284	Lb
480E0300	Stainless Reinforcing Steel	203,000	Lb
510E0300	Preboring Pile	200	Ft
510E3521	HP 14x73 Steel Test Pile, Furnish and Drive	365	Ft
510E3525	HP 14x73 Steel Bearing Pile, Furnish and Drive	8,400	Ft
635E8020	2" Rigid Galvanized Steel Conduit	277	Ft
635E8040	4" Rigid Galvanized Steel Conduit	1,110	Ft
680E0040	4" Underdrain Pipe	117	Ft
680E2500	Porous Backfill	14.0	Ton
734E2022	Bridge Berm Slope Protection, Quarried Aggregate	583.0	SqYd
831E0100	Type A Drainage Fabric	584	SqYd
831E0110	Type B Drainage Fabric	118	SqYd
831E1030	Perforated Geocell	1,056	SqFt



FOR BIDDING PURPOSES ONLY

 <small>Plotting Date: 7/22/2025</small>	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	A5	A18
<small>Revised Date: 7/3/2025</small>		<small>Initials: NBG</small>	

Section F - Surfacing  
PCN 06JQ

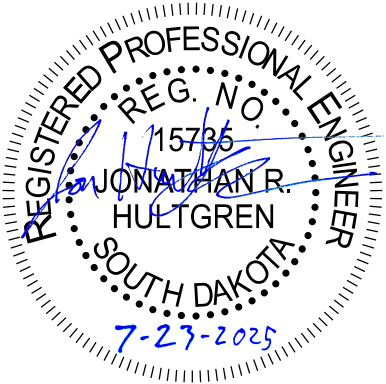
BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6200	Water for Granular Material	430.4	MGal
260E1010	Base Course	4,704.4	Ton
260E2010	Gravel Cushion	24,553.7	Ton
260E2030	Gravel Cushion, Salvaged	6,480.6	Ton
320E1200	Asphalt Concrete Composite	123.4	Ton
380E0070	9" Nonreinforced PCC Pavement	25,562.2	SqYd
380E0080	9.5" Nonreinforced PCC Pavement	22,662.1	SqYd
380E0130	12" Nonreinforced PCC Pavement	952.2	SqYd
380E0150	13" Nonreinforced PCC Pavement	7,302.5	SqYd
380E0800	PCC Shoulder Pavement	10,538.2	SqYd
380E2228	9.5" Nonmetallic Fiber Reinforced PCC Pavement	1,289.9	SqYd
380E6000	Dowel Bar	32,969	Each
380E6110	Insert Steel Bar in PCC Pavement	3,382	Each
380E6450	Saw Joint in PCC Pavement	7,399.3	Ft
380E6505	NGCS Grinding PCC Pavement	1,524.4	SqYd
410E2600	Membrane Sealant Expansion Joint	246.4	Ft

PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6200	Water for Granular Material	98.2	MGal
260E2010	Gravel Cushion	4,648.2	Ton
260E2030	Gravel Cushion, Salvaged	3,538.1	Ton
320E1200	Asphalt Concrete Composite	236.9	Ton
320E5000	Saw and Seal Joint in Asphalt Concrete	990	Ft
380E0050	8" Nonreinforced PCC Pavement	1,706.7	SqYd
380E0100	10.5" Nonreinforced PCC Pavement	6,291.8	SqYd
380E0150	13" Nonreinforced PCC Pavement	167.2	SqYd
380E0800	PCC Shoulder Pavement	6,162.9	SqYd
380E6000	Dowel Bar	3,987	Each
380E6110	Insert Steel Bar in PCC Pavement	2,361	Each
380E6450	Saw Joint in PCC Pavement	5,099.3	Ft
380E6505	NGCS Grinding PCC Pavement	7,219.2	SqYd

Section H - Landscaping  
PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6300	Water for Vegetation	195.0	MGal
230E0020	Contractor Furnished Topsoil	4,517	CuYd
380E2566	6" Barrier Type Colored Median PCC Pavement	4,347.0	SqYd
380E2576	6" Barrier Type Colored and Patterned Median PCC Pavement	907.0	SqYd
680E0206	6" Perforated PVC Drain Pipe with Sleeve	1,980	Ft
680E0226	6" PVC Outlet Pipe	237	Ft
680E2500	Porous Backfill	1,182.0	Ton
730E0208	Type E Permanent Seed Mixture	8	Lb
730E0212	Type G Permanent Seed Mixture	5	Lb
731E0100	Fertilizing	1,210	Lb
732E0300	Bonded Fiber Matrix	1.3	Ton
733E0100	Sodding	2,870	SqYd
735E0110	1 Gallon Perennial Plant, Furnish and Plant	553	Each
735E2225	2.5" Caliper Deciduous Tree, Furnish and Plant	42	Each
735E5010	1 Gallon Ornamental Grass, Furnish and Plant	1,500	Each
900E2030	Miscellaneous Work	1	Site
900E5150	Landscape Edging	392	Ft
900E5151	Ornamental Landscaping Boulders	16	Each
900E5152	Weed Barrier Fabric	612	SqYd
900E5157	4" Depth Shredded Bark Mulch	1,402.0	SqYd
900E5161	Planter	Lump Sum	LS
900E5163	Ornamental Landscape Feature	18	Each
900E5430	Irrigation System	Lump Sum	LS
900E6010	Precast Concrete Welcome Sign, Furnish	2	Each
900E6011	Precast Concrete Welcome Sign, Install	2	Each





Section L - Signal & Lighting  
PCN 06JQ

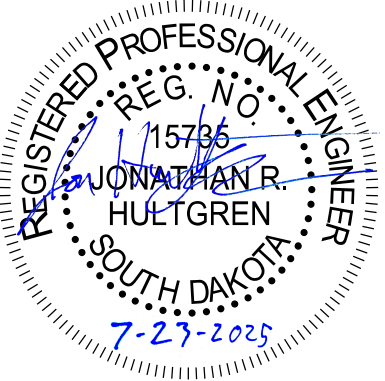
BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1540	Remove Luminaire Pole Footing	2	Each
635E0040	Breakaway Base Luminaire Pole with Arm, 40' Mounting Height	34	Each
635E0140	Breakaway Base Luminaire Pole with Twin Arms, 40' Mounting Height	27	Each
635E0640	Fixed Base Luminaire Pole with Arm, 40' Mounting Height	1	Each
635E0740	Fixed Base Luminaire Pole with Twin Arms, 40' Mounting Height	1	Each
635E0900	Decorative Luminaire Pole	8	Each
635E2000	Pedestal Signal Pole	15	Each
635E2025	Signal Pole with 25' Mast Arm	3	Each
635E2030	Signal Pole with 30' Mast Arm	3	Each
635E2040	Signal Pole with 40' Mast Arm	1	Each
635E2045	Signal Pole with 45' Mast Arm	1	Each
635E3545	Under Bridge Deck Luminaire, LED	4	Each
635E3585	Tunnel Luminaire, LED	13	Each
635E3700	Roadway Luminaire, LED with Photoelectric Cell	83	Each
635E3810	Decorative Luminaire, LED	22	Each
635E3815	Decorative Luminaire, LED with Photoelectric Cell	8	Each
635E4030	3 Section Vehicle Signal Head	34	Each
635E5020	2' Diameter Footing	608.0	Ft
635E5030	3' Diameter Footing	97.0	Ft
635E5310	Special Electrical Junction Box	69	Each
635E5360	Surface Mounted Junction Box	7	Each
635E5400	Electrical Service Cabinet	7	Each
635E5420	Circuit Control Center	3	Each
635E5430	Traffic Signal Controller	2	Each
635E5450	Side Mounted Cabinet	4	Each
635E5515	Battery Backup System for Traffic Signal	2	Each
635E5520	Video Detection System	2	Each
635E5560	Emergency Vehicle Preemption Unit	2	Each
635E5570	Optical Detector	6	Each
635E5600	Surveillance Camera	1	Each
635E5880	Accessible Pedestrian Signal	12	Each
635E5910	Pedestrian Push Button Pole	2	Each
635E5922	Pedestrian Signal Head with Countdown Timer	12	Each
635E5930	Pedestrian Crossing Sign	12	Each
635E5980	Rectangular Rapid Flashing Beacon System	2	Each
635E6200	Miscellaneous, Electrical	Lump Sum	LS
635E7500	Remove and Reset Luminaire Pole	2	Each
635E7899	Locator Ball	3	Each
635E8008	0.75" Rigid Galvanized Steel Conduit	300	Ft
635E8010	1" Rigid Galvanized Steel Conduit	40	Ft
635E8030	3" Rigid Galvanized Steel Conduit	800	Ft
635E8108	0.75" Rigid Conduit, Schedule 40	15	Ft

Section L - Signal & Lighting (continued)  
PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
635E8110	1" Rigid Conduit, Schedule 40	220	Ft
635E8120	2" Rigid Conduit, Schedule 40	14,380	Ft
635E8130	3" Rigid Conduit, Schedule 40	225	Ft
635E8140	4" Rigid Conduit, Schedule 40	150	Ft
635E8150	5" Rigid Conduit, Schedule 40	40	Ft
635E8210	1" Rigid Conduit, Schedule 80	430	Ft
635E8220	2" Rigid Conduit, Schedule 80	3,120	Ft
635E8230	3" Rigid Conduit, Schedule 80	430	Ft
635E8240	4" Rigid Conduit, Schedule 80	550	Ft
635E8250	5" Rigid Conduit, Schedule 80	70	Ft
635E8420	1.5" Innerduct, SDR 13.5	7,420	Ft
635E8830	2/2/2/4 Aluminum Wire	8,780	Ft
635E9012	1/C #2 AWG Copper Wire	3,975	Ft
635E9014	1/C #4 AWG Copper Wire	5,390	Ft
635E9016	1/C #6 AWG Copper Wire	29,615	Ft
635E9018	1/C #8 AWG Copper Wire	10,790	Ft
635E9020	1/C #10 AWG Copper Wire	1,920	Ft
635E9022	1/C #12 AWG Copper Wire	13,065	Ft
635E9302	2/C #14 AWG IMSA Copper Cable, K1	195	Ft
635E9303	3/C #14 AWG IMSA Copper Cable, K1	240	Ft
635E9305	5/C #14 AWG IMSA Copper Cable, K1	1,115	Ft
635E9307	7/C #14 AWG IMSA Copper Cable, K1	1,070	Ft
635E9312	12/C #14 AWG IMSA Copper Cable, K1	2,640	Ft
635E9325	25/C #14 AWG IMSA Copper Cable, K1	1,510	Ft
635E9720	12/2 UF-B Copper Pole and Bracket Cable	5,405	Ft
635E9862	Outdoor Rated Cat6 Cable	265	Ft
635E9924	24 Strand Fiber Optic Cable	920	Ft

PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1540	Remove Luminaire Pole Footing	2	Each
635E5020	2' Diameter Footing	16.0	Ft
635E5380	Reset Electrical Junction Box	3	Each
635E6200	Miscellaneous, Electrical	Lump Sum	LS
635E7500	Remove and Reset Luminaire Pole	2	Each
635E8120	2" Rigid Conduit, Schedule 40	1,960	Ft
635E8220	2" Rigid Conduit, Schedule 80	195	Ft
635E9012	1/C #2 AWG Copper Wire	4,540	Ft
635E9720	12/2 UF-B Copper Pole and Bracket Cable	130	Ft



Section M - Pavement Marking  
PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	48,166	Ft
633E0019	Cold Applied Plastic Pavement Marking, 4" with Contrast Border	11,216	Ft
633E0021	Cold Applied Plastic Pavement Marking, 8" with Contrast Border	2,109	Ft
633E0025	Cold Applied Plastic Pavement Marking, 12"	4,984	Ft
633E0030	Cold Applied Plastic Pavement Marking, 24"	532	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	28	Each
633E0046	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow	2	Each
633E0210	Preformed Thermoplastic Pavement Marking, 4"	5,463	Ft
633E0211	Preformed Thermoplastic Pavement Marking, 4" with Contrast Border	4,225	Ft
633E0215	Preformed Thermoplastic Pavement Marking, 8"	650	Ft
633E0220	Preformed Thermoplastic Pavement Marking, 12"	128	Ft
633E0225	Preformed Thermoplastic Pavement Marking, 24"	1,001	Ft
633E0230	Preformed Thermoplastic Pavement Marking, Area	210	SqFt
633E0235	Preformed Thermoplastic Pavement Marking, Arrow	33	Each
633E1220	High Build Waterborne Pavement Marking Paint, 4" White	719	Ft
633E1222	High Build Waterborne Pavement Marking Paint, 4" Yellow	320	Ft
633E1260	High Build Waterborne Pavement Marking Paint, 24" White	74	Ft
633E1262	High Build Waterborne Pavement Marking Paint, 24" Yellow	68	Ft
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	28,518	Ft
633E5004	Grooving for Cold Applied Plastic Pavement Marking, 4" with Contrast Border	11,601	Ft
633E5008	Grooving for Cold Applied Plastic Pavement Marking, 8" with Contrast Border	2,109	Ft
633E5010	Grooving for Cold Applied Plastic Pavement Marking, 12"	3,909	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	1,243	Ft
633E5020	Grooving for Cold Applied Plastic Pavement Marking, Area	210	SqFt
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	61	Each
633E5031	Grooving for Cold Applied Plastic Pavement Marking, Lane Reduction Arrow	2	Each
633E5050	Surface Preparation for Pavement Marking	35,879	Ft
634E0560	Remove Pavement Marking, 4" or Equivalent	21,781	Ft
634E0565	Remove Pavement Marking, Arrow	1	Each

PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	16,094	Ft
633E0019	Cold Applied Plastic Pavement Marking, 4" with Contrast Border	2,155	Ft
633E0025	Cold Applied Plastic Pavement Marking, 12"	1,923	Ft
633E0225	Preformed Thermoplastic Pavement Marking, 24"	24	Ft
633E0235	Preformed Thermoplastic Pavement Marking, Arrow	5	Each
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	12,407	Ft
633E5004	Grooving for Cold Applied Plastic Pavement Marking, 4" with Contrast Border	1,305	Ft
633E5010	Grooving for Cold Applied Plastic Pavement Marking, 12"	1,746	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	24	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	5	Each
633E5050	Surface Preparation for Pavement Marking	5,068	Ft
634E0560	Remove Pavement Marking, 4" or Equivalent	8,288	Ft

Section S - Permanent Signing  
PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E0130	Remove Traffic Sign	9	Each
110E0135	Remove Delineator	31	Each
110E0140	Remove Extruded Panel Sign	19	Each
110E5000	Salvage Sign Bridge	3	Each
110E7150	Remove Sign for Reset	10	Each
632E0014	1.75' Diameter Breakaway Support Concrete Footing	52.0	Ft
632E0072	4' Diameter Fixed Support Concrete Footing	323.0	Ft
632E1230	W6x15 Steel Post	143.3	Ft
632E1235	W6x20 Steel Post	45.7	Ft
632E1320	2.0"x2.0" Perforated Tube Post	1,029.1	Ft
632E1340	2.5"x2.5" Perforated Tube Post	64.0	Ft
632E2000	4"x4" Amber Delineator with 1.12 Lb/Ft Post	12	Each
632E2004	4"x8" Amber Delineator with 1.12 Lb/Ft Post	5	Each
632E2008	4" Tubular Amber Delineator with 1.12 Lb/Ft Post	9	Each
632E2020	4"x4" White Delineator with 1.12 Lb/Ft Post	6	Each
632E2024	4"x8" White Delineator with 1.12 Lb/Ft Post	105	Each
632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	16	Each
632E2220	Guardrail Delineator	302	Each
632E2510	Type 2 Object Marker Back to Back	54	Each
632E2520	Type 2 Object Marker	20	Each
632E3115	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity	4,963.7	SqFt
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	440.6	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	618.2	SqFt
632E3500	Reset Sign	10	Each
632E5010	Double Beam Sign Bridge	8	Each
632E5020	Overhead Cantilever Sign Support	2	Each
632E5055	Mast Arm Sign Support	2	Each
635E5302	Type 2 Electrical Junction Box	2	Each
635E6200	Miscellaneous, Electrical	Lump Sum	LS
635E8120	2" Rigid Conduit, Schedule 40	290	Ft
635E8220	2" Rigid Conduit, Schedule 80	90	Ft
635E9020	1/C #10 AWG Copper Wire	1,220	Ft
900E2030	Miscellaneous Work	1	Site

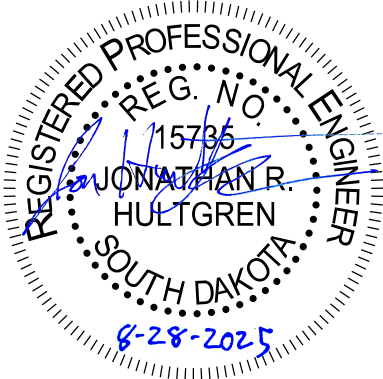
Section S - Permanent Signing  
PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E0135	Remove Delineator	44	Each
110E0140	Remove Extruded Panel Sign	3	Each
110E7150	Remove Sign for Reset	1	Each
632E0072	4' Diameter Fixed Support Concrete Footing	24.0	Ft
632E1320	2.0"x2.0" Perforated Tube Post	12.4	Ft
632E2004	4"x8" Amber Delineator with 1.12 Lb/Ft Post	6	Each
632E2020	4"x4" White Delineator with 1.12 Lb/Ft Post	6	Each
632E2024	4"x8" White Delineator with 1.12 Lb/Ft Post	37	Each
632E2220	Guardrail Delineator	8	Each
632E2510	Type 2 Object Marker Back to Back	6	Each
632E2520	Type 2 Object Marker	2	Each
632E3115	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity	405.6	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	12.6	SqFt
632E3500	Reset Sign	1	Each
632E5020	Overhead Cantilever Sign Support	1	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>





ENVIRONMENTAL COMMITMENTS (I-29 / 85th Street Interchange Roadway and Associated I-29 / I-229 Ramps and Bridges)

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 9.64 acre(s) of wetlands (includes temporary and permanent) becoming impacted. Refer to Section B – Grading Plans for location and boundaries of the impacted wetlands.

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	63+82 to 66+49	0.00	0.35	0.00	0.00	0.35
2	63+01 to 70+03	0.00	1.96	0.00	0.00	1.96
3	63+43 to 76+00	0.00	0.02	0.00	0.00	0.02
5	59+02 to 61+85	0.00	0.23	0.00	0.00	0.23
6	59+24 to 62+76	0.00	0.33	0.00	0.00	0.33
9	55+15 to 56+71	0.00	0.08	0.00	0.00	0.08
10	46+73 to 62+66	0.08	0.00	0.00	0.00	0.08
11	63+33 to 77+75	2.03	0.00	0.00	0.00	2.03
23	80+55 to 93+02	1.06	0.00	0.00	0.00	1.06
34	91+26 to 151+29	0.00	2.56	0.00	0.00	2.56
35	88+61 to 90+54	0.12	0.00	0.00	0.00	0.12
38	63+13 to 63+18	0.03	0.00	0.00	0.00	0.03
39	63+22 to 63+28	0.01	0.00	0.00	0.00	0.01

Action Taken/Required:

Off-site wetland mitigation for this project will include the purchase of credits from the Tetonka Wetland Mitigation Bank. The City of Sioux Falls and SDDOT will work with the Tetonka and USACE to determine the final amount of credits required, as some credits have already been purchased which will apply to the project.

Temporary impacts identified in the Table of Impacted Wetlands will not be mitigated as original contours and elevations will be re-established as designated in Section B – Grading Plans/plan sheets. 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.

Temporary impacts identified in the Table of Impacted Wetlands will not be mitigated as original contours and elevations will be re-established as designated in Section B – Grading Plans. 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 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.

Station	NLEB Seasonal Work Restriction
85 <sup>th</sup> 403+15-405+00 L	April 1 to October 31
85 <sup>th</sup> 412+10-414+90 L	April 1 to October 31
85 <sup>th</sup> 415+85-417+15 L	April 1 to October 31
85 <sup>th</sup> 317+85-318+40 L	April 1 to October 31
85 <sup>th</sup> 323+85-336+65 R	April 1 to October 31
85 <sup>th</sup> 433+00-439+30 L	April 1 to October 31
I-29 45+20 R	April 1 to October 31
Ex 229 Ramp C 19+50-23+35 L	April 1 to October 31

Tree removal will occur between November 1<sup>st</sup> and March 31<sup>st</sup>.

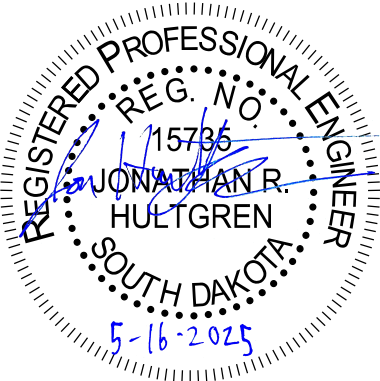
The following avoidance, minimization, and mitigation measures are required:

General AMM 1: All Operators, Employees, and contractors working in areas of known or presumed bat habitat will be made aware of all environmental commitments as they relate to the norther long-eared bat.

Lighting AMM 1. Temporary lighting will be directed away from suitable habitat during the active season.

Lighting AMM 2. When installing new permanent lights downward-facing, full cut-off lens lights will be used.

Tree Removal AMM 2. Tree removal will occur between November 1<sup>st</sup> and March 31<sup>st</sup>, outside the species summer roosting season.





COMMITMENT B6: MIGRATORY BIRDS WORK RESTRICTION

Migratory birds are known to use the project area for nesting, which primarily occurs from April 1<sup>st</sup> to July 15<sup>th</sup>.

Action Taken/Required:

The Contractor is responsible for contracting the services of a qualified biologist for conducting preconstruction migratory bird surveys in suitable areas that have not been mowed or cleared prior to April 1<sup>st</sup> to determine if there are current nests and to determine offsetting measures to compensate for impacts to migratory birds. A survey will be conducted annually for each year of construction. Contractor will coordinate the survey findings with the Project Engineer. If any nests are found, appropriate minimization measures will need to be developed in cooperation with the 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> >

COMMITMENT D: WATER QUALITY STANDARDS

COMMITMENT D1: SURFACE WATER QUALITY

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\\_AddTemplInfoFillable.pdf](https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/docs/DANR_AddTemplInfoFillable.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/submitting.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\\_CGPAappendixCCA2018Fillable.pdf](https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/docs/DANR_CGPAappendixCCA2018Fillable.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.

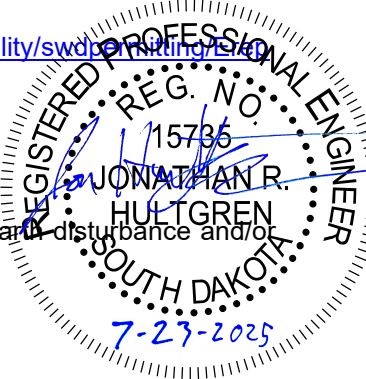
The inspection will include disturbed areas of the construction site that have not been finally stabilized, areas used for storage materials, structural control measures, and locations where vehicles enter or exit the site. These areas will be inspected for evidence of, or the potential for, pollutants 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 G: DEWATERING AND SEDIMENT COLLECTION

The purpose of a dewatering and sediment collection system is to collect turbid stormwater on the project, treat it with flocculants as needed, and capture the sediment that falls out of suspension before the water is discharged into “Waters of the US” or “Waters of the State”. Refer to Commitment D1: Surface Water Quality for stream classification.

Action Taken/Required:

The Contractor will meet the terms of the Temporary Discharge Permit and the Storm Water Permit for Construction Activities.

The Contractor will create a Pollution Prevention Plan (PPP) for dewatering and sediment collection if the Contractor chooses to discharge the water into “Waters of the US” or “Waters of the State”. Refer to the detail sheet OPTIONS FOR DEWATERING AND SEDIMENT COLLECTION in the plans. The PPP must be kept on-site and updated as site conditions change.

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:

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) 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 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 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.

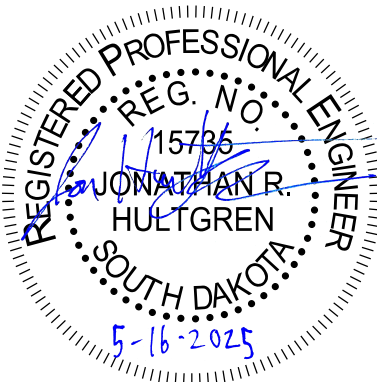
The Contractor will also be responsible for obtaining a Section 404 Permit for any dredge, excavation, or fill activities associated with material sources, storage areas, waste sites, and Contractor work sites outside the plan work limits that affect wetlands, floodplains, or waters of the United States.

COMMITMENT O: SECTION 401 WATER QUALITY CERTIFICATION


The SDDOT has obtained a Clean Water Act Section 401 Water Quality Certification from the Environmental Protection Agency (EPA) regarding an US Army Corp of Engineers CWA Section 404 Permit for the actions associated with this project.

Action Taken/Required:

The Contractor will comply with all requirements contained in the Section 401 certification. A copy of the EPA CWA 401 Certification must be retained on-site.





 <small>Plotting Date: 5/16/2025</small>	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	A11	A18

**COMMITMENT T: EMERALD ASH BORER MANAGEMENT**

The existing ash trees within the project limits are suitable habitat for the Emerald Ash Borer within.

**Action Taken/Required:**

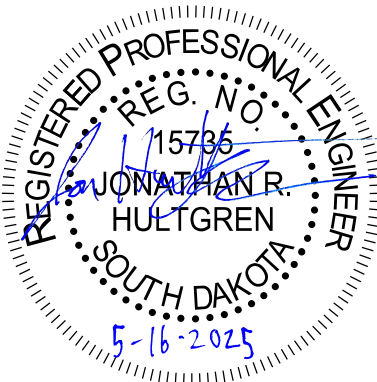
Ash wood cannot be transported off the project site between Memorial Day and Labor Day due to the presence of the Emerald Ash Borer in the area. If ash trees to be removed with the project cannot be removed from the project site prior to Memorial Day, or cannot wait to be removed from the project site until after Labor Day, the Contractor may still cut down the ash tree(s), but the ash wood must remain on the project site until after Labor Day. All costs associated with the transporting and disposal of ash wood, and/or storing ash wood on the project site until it can be safely transported to a disposal facility, shall be incidental to the contract unit price for “Clear and Grub Tree”.

Ash wood cannot be transported outside of the Quarantine Area designated by the South Dakota Department of Agriculture and the United States Department of Agriculture without a permit. The Quarantine Area is currently defined per the SDDANR Emergency Plant Pest Quarantine Map shown on <https://emeraldashborerinsouthdakota.sd.gov/quarantine.aspx>. Transport of ash wood outside the Quarantine Area without a permit will subject offenders to civil and/or criminal penalties. All costs associated with the transporting and disposal of ash wood, as well as permitting fees, if necessary, shall be incidental to the contract unit price for “Clear and Grub Tree”. Facilities within the Quarantine Area that accept ash wood for disposal include:

Mueller Pallets 27163 471st Avenue Sioux Falls, SD 57108 (605) 368-2440	Mueller Pallets 46868 Sands Street Sioux Falls, SD 57107 (605) 368-2440
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Sioux Falls Regional Landfill  
26750 464th Avenue  
Hartford, SD 57033  
(605) 367-8162

Grinding of ash tree stumps and disposal of ash tree stump grinding waste may occur at any time of the year with no restriction on transportation time frames within the Quarantine Area. If ash tree stumps are removed by any method other than grinding (i.e. excavator, etc.), the same transportation restrictions as regular ash wood waste apply. All costs associated with grinding, removing, and disposal of ash tree stumps shall be incidental to the contract unit price for “Clear and Grub Tree”



**ENVIRONMENTAL COMMITMENTS (85<sup>th</sup> Street West of I-29 Interchange Access Control to Sundowner Avenue)**

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 0.78 acre(s) of wetlands (includes temporary and permanent) becoming impacted. Refer to Section B – Grading Plans for location and boundaries of the impacted wetlands.

**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)
12	56+03 to 63+22	0.78	0.00	0.00	0.00	0.78

**Action Taken/Required:**

Off-site wetland mitigation for this project will include the purchase of credits from the Tetonka Wetland Mitigation Bank. The City of Sioux Falls and SDDOT will work with the Tetonka and USACE to determine the final amount of credits required, as some credits have already been purchased which will apply to the project.

Temporary impacts identified in the Table of Impacted Wetlands will not be mitigated as original contours and elevations will be re-established as

designated in Section B – Grading Plans/plan sheets. 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. Temporary impacts identified in the Table of Impacted Wetlands will not be mitigated as original contours and elevations will be re-established as designated in Section B – Grading Plans. 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 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.

Station	NLEB Seasonal Work Restriction
85 <sup>th</sup> 394+60-400+40 L	April 1 to October 31

Tree removal will occur between November 1<sup>st</sup> and March 31<sup>st</sup>.

The following avoidance, minimization, and mitigation measures are required:

General AMM 1: All Operators, Employees, and contractors working in areas of known or presumed bat habitat will be made aware of all environmental commitments as they relate to the norther long-eared bat.

Lighting AMM 1. Temporary lighting will be directed away from suitable habitat during the active season.

Lighting AMM 2. When installing new permanent lights downward-facing, full cut-off lens lights will be used.

Tree Removal AMM 2. Tree removal will occur between November 1<sup>st</sup> and March 31<sup>st</sup>, outside the species summer roosting season.

**COMMITMENT B6: MIGRATORY BIRDS WORK RESTRICTION**

Migratory birds are known to use the project area for nesting, which primarily occurs from April 1<sup>st</sup> to July 15<sup>th</sup>.

**Action Taken/Required:**

The Contractor is responsible for contracting the services of a qualified biologist for conducting preconstruction migratory bird surveys in suitable areas that have not been mowed or cleared prior to April 1<sup>st</sup> to determine if there are current nests and to determine offsetting measures to compensate for impacts to migratory birds. A survey will be conducted annually for each year of construction. Contractor will coordinate the survey findings with the Project Engineer. If any nests are found, appropriate minimization measures will need to be developed in cooperation with the 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.

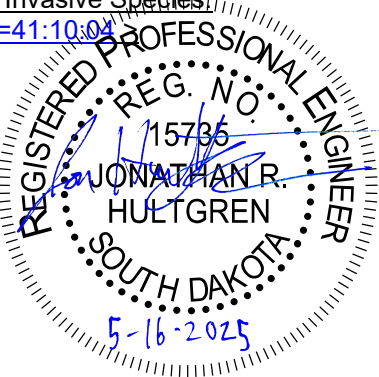
The Contractor will not withdraw water directly from streams of the James, Big Sioux, and Vermillion watersheds without prior approval from the SDDOT Environmental Office.

**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>>





COMMITMENT D: WATER QUALITY STANDARDS

COMMITMENT D1: SURFACE WATER QUALITY

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:

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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:  
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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.

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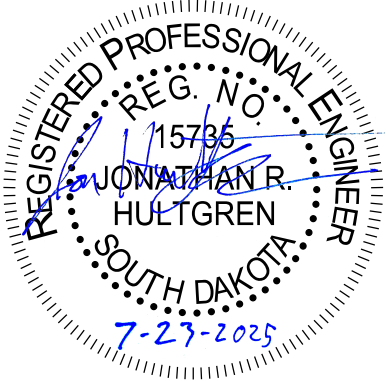
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Action Taken/Required:

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The Contractor will create a Pollution Prevention Plan (PPP) for dewatering and sediment collection if the Contractor chooses to discharge the water into “Waters of the US” or “Waters of the State”. Refer to the detail sheet OPTIONS FOR DEWATERING AND SEDIMENT COLLECTION in the plans. The PPP must be kept on-site and updated as site conditions change.



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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.

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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.

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Action Taken/Required:

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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 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 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.

COMMITMENT O: SECTION 401 WATER QUALITY CERTIFICATION

The SDDOT has obtained a Clean Water Act Section 401 Water Quality Certification from the Environmental Protection Agency (EPA) regarding an US Army Corp of Engineers CWA Section 404 Permit for the actions associated with this project.

Action Taken/Required:

The Contractor will comply with all requirements contained in the Section 401 certification. A copy of the EPA CWA 401 Certification must be retained on-site.

COMMITMENT T: EMERALD ASH BORER MANAGEMENT

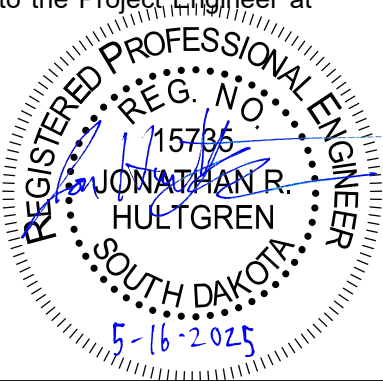
The existing ash trees within the project limits are suitable habitat for the Emerald Ash Borer within.

Action Taken/Required:


Project activities that include tree removal will adhere to the following protocol.

Ash wood cannot be transported off the project site between Memorial Day and Labor Day due to the presence of the Emerald Ash Borer in the area. If ash trees to be removed with the project cannot be removed from the project site prior to Memorial Day or cannot wait to be removed from the project site until after Labor Day, the Contractor may still cut down the ash tree(s), but the ash wood must remain on the project site until after Labor Day.

Ash wood cannot be transported outside of the Quarantine Area designated by the South Dakota Department of Agriculture and the United States Department of Agriculture without a permit. The Quarantine Area is currently defined per the SDDANR Emergency Plant Pest Quarantine Map shown on <https://emeraldashborerinouthdakota.sd.gov/quarantine.aspx>. Transport of ash wood outside the Quarantine Area without a permit will subject offenders to civil and/or criminal penalties. All costs associated with the transporting and disposal of ash wood, as well as permitting fees, if necessary, shall be incidental to the contract unit price for “Clear and Grub Tree”.





	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	A15	A18

Plotting Date: 5/16/2025

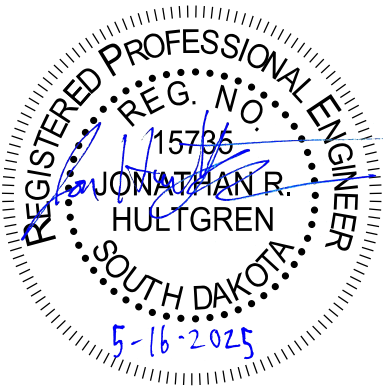
**COMMITMENT T: EMERALD ASH BORER MANAGEMENT (CONT'D)**

Transport of ash wood outside the Quarantine Area without a permit will subject offenders to civil and/or criminal penalties. Facilities within the Quarantine Area that accept ash wood for disposal include:

Mueller Pallets	Mueller Pallets
27163 471st Avenue	46868 Sands Street
Sioux Falls, SD 57108	Sioux Falls, SD 57107
(605) 368-2440	(605) 368-2440

Sioux Falls Regional Landfill  
26750 464th Avenue  
Hartford, SD 57033  
(605) 367-8162

Grinding of ash tree stumps and disposal of ash tree stump grinding waste may occur at any time of the year with no restriction on transportation time frames within the Quarantine Area. If ash tree stumps are removed by any method other than grinding (i.e. excavator, etc.), the same transportation restrictions as regular ash wood waste apply. All costs associated with grinding, removing, and disposal of ash tree stumps shall be incidental to the contract unit price for “Clear and Grub Tree”



**ENVIRONMENTAL COMMITMENTS (85<sup>th</sup> Street East of I-29 Interchange Access Control to Tallgrass Avenue)**

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 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.

Station	NLEB Seasonal Work Restriction
85 <sup>th</sup> 439+30-448+35 L	April 1 to October 31

Tree removal will occur between November 1<sup>st</sup> and March 31<sup>st</sup>.

The following avoidance, minimization, and mitigation measures are required:

General AMM 1: All Operators, Employees, and contractors working in areas of known or presumed bat habitat will be made aware of all environmental commitments as they relate to the norther long-eared bat.

Lighting AMM 1. Temporary lighting will be directed away from suitable habitat during the active season.

Lighting AMM 2. When installing new permanent lights downward-facing, full cut-off lens lights will be used.

Tree Removal AMM 2. Tree removal will occur between November 1<sup>st</sup> and March 31<sup>st</sup>, outside the species summer roosting season.

**COMMITMENT B6: MIGRATORY BIRDS WORK RESTRICTION**

Migratory birds are known to use the project area for nesting, which primarily occurs from April 1<sup>st</sup> to July 15<sup>th</sup>.

**Action Taken/Required:**

The Contractor is responsible for contracting the services of a qualified biologist for conducting preconstruction migratory bird surveys in suitable areas that have not been mowed or cleared prior to April 1<sup>st</sup> to determine if there are current nests and to determine offsetting measures to compensate for impacts to migratory birds. A survey will be conducted annually for each year of construction. Contractor will coordinate the survey findings with the Project Engineer. If any nests are found, appropriate minimization measures will need to be developed in cooperation with the 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](https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04) >

**COMMITMENT D: WATER QUALITY STANDARDS**

**COMMITMENT D1: SURFACE WATER QUALITY**

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.

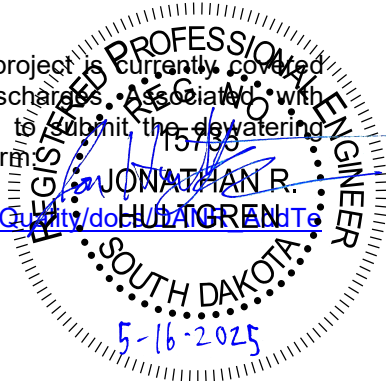
The permittee has the option of completing effluent testing or implementing a pollution prevention plan for compliance with this permit. If the permittee develops a pollution prevention plan instead of total suspended solids sampling, the plan must be developed and implemented prior to discontinuing 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/documents/StormwaterDewateringForm.pdf>>





COMMITMENT D2: SURFACE WATER DISCHARGE (CONT'D)

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\\_CGPAappendixCCA2018Fillable.pdf](https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/docs/DANR_CGPAappendixCCA2018Fillable.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 G: DEWATERING AND SEDIMENT COLLECTION

The purpose of a dewatering and sediment collection system is to collect turbid stormwater on the project, treat it with flocculants as needed, and capture the sediment that falls out of suspension before the water is discharged into “Waters of the US” or “Waters of the State”. Refer to Commitment D1: Surface Water Quality for stream classification.

Action Taken/Required:

The Contractor will meet the terms of the Temporary Discharge Permit and the Storm Water Permit for Construction Activities.

The Contractor will create a Pollution Prevention Plan (PPP) for dewatering and sediment collection if the Contractor chooses to discharge the water into “Waters of the US” or “Waters of the State”. Refer to the detail sheet OPTIONS FOR DEWATERING AND SEDIMENT COLLECTION in the plans. The PPP must be kept on-site and updated as site conditions change.

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:

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.

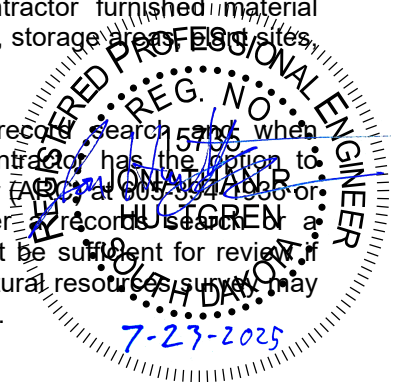
COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES


The SDDOT has obtained concurrence with the State Historic Preservation Office (SHPO) 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, 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 record 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.



 <small>Plotting Date: 5/16/2025</small>	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	A18	A18

**COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES (CONT'D)**

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 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 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.

**COMMITMENT O: SECTION 401 WATER QUALITY CERTIFICATION**

The SDDOT has obtained a Clean Water Act Section 401 Water Quality Certification from the Environmental Protection Agency (EPA) regarding an US Army Corp of Engineers CWA Section 404 Permit for the actions associated with this project.

**Action Taken/Required:**

The Contractor will comply with all requirements contained in the Section 401 certification. A copy of the EPA CWA 401 Certification must be retained on-site.

**COMMITMENT T: EMERALD ASH BORER MANAGEMENT**

The existing ash trees within the project limits are suitable habitat for the Emerald Ash Borer within.

**Action Taken/Required:**

Project activities that include tree removal will adhere to the following protocol.

Ash wood cannot be transported off the project site between Memorial Day and Labor Day due to the presence of the Emerald Ash Borer in the area. If ash trees to be removed with the project cannot be removed from the project site prior to Memorial Day or cannot wait to be removed from the project site until after Labor Day, the Contractor may still cut down the ash tree(s), but the ash wood must remain on the project site until after Labor Day.

Ash wood cannot be transported outside of the Quarantine Area designated by the South Dakota Department of Agriculture and the United States Department of Agriculture without a permit. The Quarantine Area is currently defined per the SDDANR Emergency Plant Pest Quarantine Map shown on <https://emeraldashborerinsouthdakota.sd.gov/quarantine.aspx>. Transport of ash wood outside the Quarantine Area without a permit will subject offenders to civil and/or criminal penalties. All costs associated with the transporting and disposal of ash wood, as well as permitting fees, if necessary, shall be incidental to the contract unit price for "Clear and Grub Tree". Facilities within the Quarantine Area that accept ash wood for disposal include:

Transport of ash wood outside the Quarantine Area without a permit will subject offenders to civil and/or criminal penalties. Facilities within the Quarantine Area that accept ash wood for disposal include:

Mueller Pallets	Mueller Pallets
27163 471st Avenue	46868 Sands Street
Sioux Falls, SD 57108	Sioux Falls, SD 57107
(605) 368-2440	(605) 368-2440

Sioux Falls Regional Landfill  
26750 464th Avenue  
Hartford, SD 57033  
(605) 367-8162

Grinding of ash tree stumps and disposal of ash tree stump grinding waste may occur at any time of the year with no restriction on transportation time frames within the Quarantine Area. If ash tree stumps are removed by any method other than grinding (i.e. excavator, etc.), the same transportation restrictions as regular ash wood waste apply. All costs associated with grinding, removing, and disposal of ash tree stumps shall be incidental to the contract unit price for "Clear and Grub Tree"

