

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0037(158)126	1	397

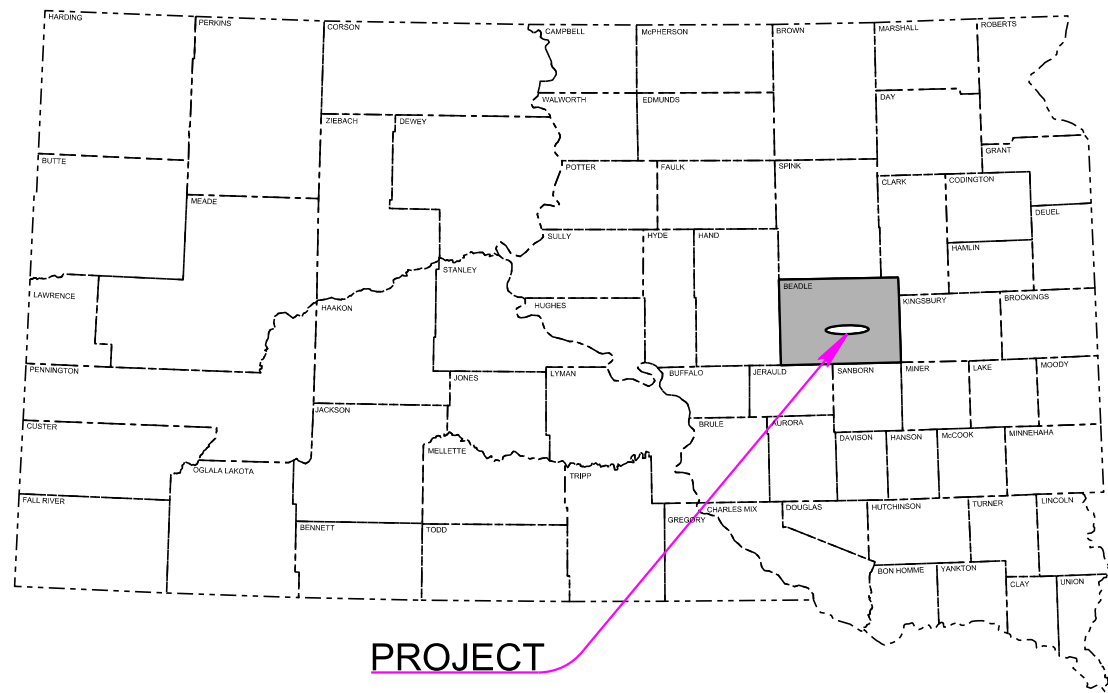
Plotting Date: 02/08/2024

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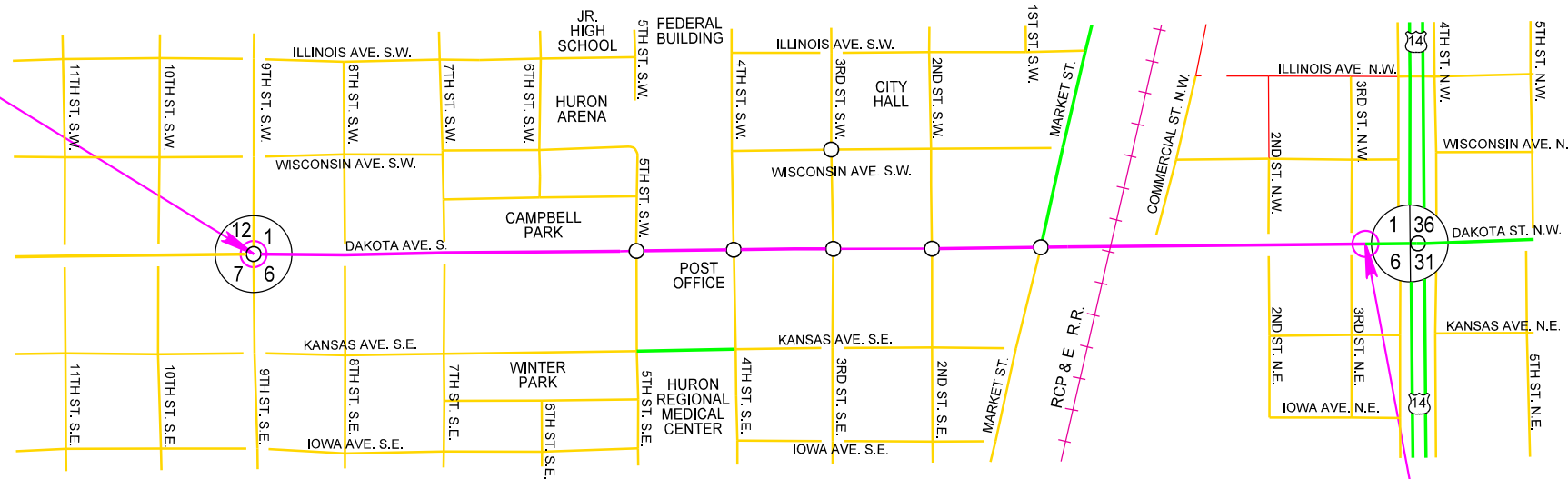
PROJECT NH-CR 0037(158)126
SD HIGHWAY 37
BEADLE COUNTY

GRADING, PCC PAVEMENT, STORM SEWER,
CURB & GUTTER, TRAFFIC SIGNALS & LIGHTING
PCN 06A2



PROJECT

BEGIN NH-CR 0037(158)126
Station 9+32.27 = Station 16+76.01
on F 0037(8)126 located 0.33 feet
North and 50.49 feet West of the
Southwest corner of Lot 13 of Block 1
of County Auditor's Plat No. 2 of a
portion of Outlots S and 25 to Huron
MRM = 126.72+0.008



HURON

END NH-CR 0037(158)126
Station 58+84.30 = Station 55+60.27
on U 0037(5)127 located 111.48
feet South and 47.56 feet West of the
Northwest corner of Lot 9 of Weir Plat,
a Subdivision of Outlot B in Lot 4 of
Section 6 - Township 110 North -
Range 61 West of the 5th P.M. to Huron
MRM = 127.65+0.014

DESIGN DESIGNATION

AAADT (2022)	10518
AAADT (2047)	16198
DHV	2177
D	50%
DHV T%	2.6%
AAADT T%	5.8%
V	30 mph

STORM WATER PERMIT

Major Receiving
Body of Water: James River
Area Disturbed: 12 Ac
Total Project Area: 14 Ac
Approx. Begin Lat,Long: 44.356207, -98.214164

Gross Length	4952.03 Feet	0.938 Miles
Length of Exceptions	0 Feet	0 Miles
Net Length	4952.03 Feet	0.938 Miles

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0037(158)126	A1	A6

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Section B - Grading

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3220	Reestablish Right-of-Way and Property Corner	65	Each
009E3230	Grade Staking	4,921	Mile
009E3250	Miscellaneous Staking	0.932	Mile
009E3280	Slope Staking	0.932	Mile
009E3290	Structure Staking	4	Each
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
009E4300	Construction Schedule, Category III	Lump Sum	LS
009E4330	Project Management, Category III	Lump Sum	LS
100E0020	Clear and Grub Tree	59	Each
110E0300	Remove Concrete Curb and/or Gutter	1,600	Ft
110E0400	Remove Drop Inlet	45	Each
110E0460	Remove Manhole	6	Each
110E1010	Remove Asphalt Concrete Pavement	3,465.3	SqYd
110E1100	Remove Concrete Pavement	38,575.9	SqYd
110E1120	Remove Concrete Median Pavement	25.5	SqYd
110E1130	Remove Concrete Driveway Pavement	2,679.5	SqYd
110E1140	Remove Concrete Sidewalk	9,578.9	SqYd
110E1300	Remove Concrete Retaining Wall	35.0	Ft
110E1790	Remove Concrete Vault Lid	750	SqFt
110E5720	Salvage Drop Inlet Frame and Grate Assembly	45	Each
120E0010	Unclassified Excavation	34,786	CuYd
120E0900	Contaminated Material Excavation	100	CuYd
120E2000	Undercutting	16,605	CuYd
120E6100	Water for Embankment	344.6	MGal
250E0020	Incidental Work, Grading	Lump Sum	LS
380E2554	4" Barrier Type Median PCC Pavement	20.8	SqYd
380E2558	8" Barrier Type Median PCC Pavement	4.7	SqYd
380E3520	6" PCC Approach Pavement	1,367.8	SqYd
380E3540	8" PCC Approach Pavement	684.1	SqYd
380E4070	9" PCC Fillet Section	1,791.0	SqYd
410E0030	Structural Steel, Miscellaneous	Lump Sum	LS
420E0300	Structure Excavation, Retaining Wall	660	CuYd
450E0122	18" RCP Class 2, Furnish	2,830	Ft
450E0130	18" RCP, Install	2,830	Ft
450E0142	24" RCP Class 2, Furnish	1,046	Ft
450E0143	24" RCP Class 3, Furnish	192	Ft
450E0150	24" RCP, Install	1,238	Ft
450E0162	30" RCP Class 2, Furnish	14	Ft
450E0163	30" RCP Class 3, Furnish	36	Ft
450E0170	30" RCP, Install	50	Ft
450E0182	36" RCP Class 2, Furnish	804	Ft
450E0185	36" RCP Class 5, Furnish	78	Ft

Section B - Grading

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
450E0190	36" RCP, Install	882	Ft
450E0428	36" RCP Bend, Furnish	1	Each
450E0429	36" RCP Bend, Install	1	Each
450E3002	18" RCP Arch Class 2, Furnish	388	Ft
450E3004	18" RCP Arch Class 4, Furnish	536	Ft
450E3010	18" RCP Arch, Install	924	Ft
450E3032	36" RCP Arch Class 2, Furnish	88	Ft
450E3033	36" RCP Arch Class 3, Furnish	72	Ft
450E3040	36" RCP Arch, Install	160	Ft
450E7648	48" Steel Pipe, Furnish	78	Ft
451E5148	Bore and Jack 48" Pipe	78	Ft
460E0300	Breakout Structural Concrete	52.5	CuYd
460E0380	Install Dowel in Concrete	40	Each
462E0100	Class M6 Concrete	343.1	CuYd
464E0100	Controlled Density Fill	15.5	CuYd
470E0020	Pipe Handrail	42.0	Ft
480E0100	Reinforcing Steel	52,786	Lb
480E0200	Epoxy Coated Reinforcing Steel	335	Lb
600E0300	Type III Field Laboratory	1	Each
634E0380	Tubular Marker	6	Each
650E0089	Modified Type B69 Concrete Curb and Gutter	6,907	Ft
650E0090	Type B69 Concrete Curb and Gutter	653	Ft
650E0385	Type BL68.5 Concrete Curb and Gutter	172	Ft
650E3060	Type B6 Concrete Curb	135	Ft
650E4689	Modified Type P9 Concrete Gutter	880	Ft
650E4690	Type P9 Concrete Gutter	115	Ft
650E6090	9" Concrete Valley Gutter	35	Ft
651E0040	4" Concrete Sidewalk	41,929	SqFt
651E0060	6" Concrete Sidewalk	20,865	SqFt
651E0140	4" Reinforced Concrete Sidewalk	261	SqFt
651E0540	4" Colored Concrete Sidewalk	10,108	SqFt
651E0740	4" Reinforced Colored Concrete Sidewalk	157	SqFt
651E5000	Sidewalk Drain	34.1	Ft
651E7000	Type 1 Detectable Warnings	842	SqFt
670E1200	Type B Frame and Grate	53	Each
670E2200	Type C Frame and Grate	1	Each
670E3300	Type E Frame and Grate	1	Each
670E5202	Special Frame and Grate	10	Each
670E5340	4' x 11' Precast Concrete Type S Drop Inlet Lid	12	Each
670E5342	4' x 6' Precast Concrete Type S Drop Inlet Lid	2	Each
670E5400	Precast Drop Inlet Collar	64	Each
671E4548	48" Manhole Cone Section	16.0	Ft
671E5502	2" Adjusting Ring for Manhole	1	Each

Section B - Grading

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
671E5504	4" Adjusting Ring for Manhole	2	Each
671E5506	6" Adjusting Ring for Manhole	3	Each
671E6009	Type A9 Manhole Frame and Lid	6	Each
831E0300	Reinforcement Fabric (MSE)	5,111	SqYd
900E6300	Vibration Monitoring & Testing	Lump Sum	LS
998E0100	Railroad Protective Insurance	Lump Sum	LS

Section C - Traffic Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	100.0	Hour
634E0110	Traffic Control Signs	1,785.2	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0135	Traffic Control Supervisor	Lump Sum	LS
634E0275	Type 3 Barricade	69	Each
634E0330	Temporary Raised Pavement Markers	1,300	Ft
634E0380	Tubular Marker	57	Each
634E0420	Type C Advance Warning Arrow Board	2	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	1,460	Ft
634E0600	4" Temporary Pavement Marking Tape Type I	96	Ft
634E0640	Temporary Pavement Marking	540	Ft
634E1002	Detour and Restriction Signing	1,169.4	SqFt
634E1020	Temporary Business Signing	283.5	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
634E2000	Longitudinal Pedestrian Barricade	7,369	Ft
634E2020	Temporary Curb Ramp	18	Each
634E2025	Longitudinal Pedestrian Barrier	556	Ft

SPECIFICATIONS

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

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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Section D - Erosion and Sediment Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	21.3	CuYd
110E1695	Remove Sediment Filter Bag	2,672	Ft
110E1700	Remove Silt Fence	2,065	Ft
230E0010	Placing Topsoil	324	CuYd
730E0206	Type D Permanent Seed Mixture	180	Lb
731E0200	Fertilizing	0.42	Ton
732E0500	Fiber Reinforced Matrix	0.9	Ton
734E0170	Temporary Sediment Barrier	1,125	Ft
734E0180	Sediment Filter Bag	2,672	Ft
734E0604	High Flow Silt Fence	2,065	Ft
734E0610	Mucking Silt Fence	143	CuYd
734E0620	Repair Silt Fence	516	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	64	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	172	Ft
734E5005	Dewatering	Lump Sum	LS
734E5010	Sweeping	20	Hour
900E1320	Construction Entrance	3	Each

Section F - Surfacing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6200	Water for Granular Material	370.0	MGal
260E1010	Base Course	10,989.1	Ton
260E1080	Base Course, Salvaged, State Furnished	19,846.7	Ton
320E1200	Asphalt Concrete Composite	514.0	Ton
330E0300	SS-1h or CSS-1h Asphalt for Fog Seal	0.2	Ton
330E3000	Sand for Fog Seal	3.8	Ton
380E0070	9" Nonreinforced PCC Pavement	32,405.8	SqYd
380E3020	6" PCC Driveway Pavement	171.4	SqYd
380E3040	8" PCC Driveway Pavement	404.6	SqYd
380E6000	Dowel Bar	19,311	Each
380E6110	Insert Steel Bar in PCC Pavement	307	Each

Section L - Signal and Lighting

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1520	Remove Signal Equipment	Lump Sum	LS
110E1530	Remove Signal Pole Footing	15	Each
110E1540	Remove Luminaire Pole Footing	19	Each
110E5100	Salvage Luminaire Pole	19	Each
110E5110	Salvage Signal Equipment	Lump Sum	LS
250E0010	Incidental Work	Lump Sum	LS
635E0050	Breakaway Base Luminaire Pole with Arm, 50' Mounting Height	11	Each
635E0902	Decorative Luminaire Pole with Twin Arms	24	Each
635E2000	Pedestal Signal Pole	1	Each
635E2020	Signal Pole with 20' Mast Arm	2	Each
635E2025	Signal Pole with 25' Mast Arm	1	Each
635E2030	Signal Pole with 30' Mast Arm	1	Each
635E2035	Signal Pole with 35' Mast Arm	2	Each
635E2054	Signal Pole with 50' and 40' Mast Arms with Luminaire Arm	1	Each
635E2120	Signal Pole with 20' Mast Arm and Luminaire Arm	1	Each
635E2125	Signal Pole with 25' Mast Arm and Luminaire Arm	1	Each
635E2135	Signal Pole with 35' Mast Arm and Luminaire Arm	1	Each
635E2140	Signal Pole with 40' Mast Arm and Luminaire Arm	4	Each
635E2145	Signal Pole with 45' Mast Arm and Luminaire Arm	1	Each
635E3700	Roadway Luminaire, LED with Photoelectric Cell	18	Each
635E3815	Decorative Luminaire, LED with Photoelectric Cell	48	Each
635E4030	3 Section Vehicle Signal Head	44	Each
635E4090	4 Section Directional Vehicle Signal Head	16	Each
635E5020	2' Diameter Footing	305.0	Ft
635E5030	3' Diameter Footing	165.0	Ft
635E5301	Type 1 Electrical Junction Box	32	Each
635E5303	Type 3 Electrical Junction Box	4	Each
635E5313	Type 3A Electrical Junction box	1	Each
635E5400	Electrical Service Cabinet	6	Each
635E5405	Electrical Service Cabinet with Secondary Disconnect	4	Each
635E5430	Traffic Signal Controller	4	Each
635E5515	Battery Backup System for Traffic Signal	4	Each
635E5520	Video Detection System	4	Each
635E5530	Preformed Detector Loop	16	Each
635E5560	Emergency Vehicle Preemption Unit	4	Each
635E5570	Optical Detector	16	Each
635E5880	Accessible Pedestrian Signal	32	Each
635E5910	Pedestrian Push Button Pole	21	Each
635E5922	Pedestrian Signal Head with Countdown Timer	32	Each
635E5930	Pedestrian Crossing Sign	32	Each
635E8110	1" Rigid Conduit, Schedule 40	555	Ft
635E8120	2" Rigid Conduit, Schedule 40	7,625	Ft

Section L - Signal and Lighting

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
635E8130	3" Rigid Conduit, Schedule 40	30	Ft
635E8140	4" Rigid Conduit, Schedule 40	130	Ft
635E8220	2" Rigid Conduit, Schedule 80	2,725	Ft
635E8230	3" Rigid Conduit, Schedule 80	440	Ft
635E9014	1/C #4 AWG Copper Wire	1,160	Ft
635E9016	1/C #6 AWG Copper Wire	4,665	Ft
635E9018	1/C #8 AWG Copper Wire	23,955	Ft
635E9502	2/C #14 AWG Copper Tray Cable, K2	5,205	Ft
635E9503	3/C #14 AWG Copper Tray Cable, K2	560	Ft
635E9504	4/C #14 AWG Copper Tray Cable, K2	1,330	Ft
635E9505	5/C #14 AWG Copper Tray Cable, K2	975	Ft
635E9507	7/C #14 AWG Copper Tray Cable, K2	630	Ft
635E9525	25/C #14 AWG Copper Tray Cable, K2	2,500	Ft
635E9600	#16 AWG Copper Twisted Shielded Pair	240	Ft
635E9710	2/C #10 AWG Copper Pole and Bracket Cable	3,035	Ft
635E9924	24 Strand Fiber Optic Cable	2,230	Ft
900E5135	Traffic Counter Surface Utility Box	3	Each

Section M - Pavement Marking

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	17,600	Ft
633E0020	Cold Applied Plastic Pavement Marking, 8"	300	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	36	Each
633E0050	Cold Applied Plastic Pavement Marking, Message	2	Word
633E0055	Cold Applied Plastic Pavement Marking, Railroad Crossing	5	Each
633E0062	Cold Applied Plastic Pavement Marking, Symbol	6	Each
633E0210	Preformed Thermoplastic Pavement Marking, 4"	1,400	Ft
633E0225	Preformed Thermoplastic Pavement Marking, 24"	2,100	Ft
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	19,000	Ft
633E5005	Grooving for Cold Applied Plastic Pavement Marking, 8"	300	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	2,100	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	36	Each
633E5035	Grooving for Cold Applied Plastic Pavement Marking, Message	2	Word
633E5037	Grooving for Cold Applied Plastic Pavement Marking, Symbol	6	Each
633E5040	Grooving for Cold Applied Plastic Pavement Marking, Railroad Crossing	5	Each

Section S - Permanent Signing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0130	Remove Traffic Sign	95	Each
632E1320	2.0"x2.0" Perforated Tube Post	332.0	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	398.4	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	71.4	SqFt

Plot Scale - 1:200

Plotted From - TRSF12139

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ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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ENVIRONMENTAL COMMITMENTS

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

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

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

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

COMMITMENT D: WATER QUALITY STANDARDS

COMMITMENT D1: SURFACE WATER QUALITY

The James River is classified as a warm water permanent fishery with a total suspended solids standard of less than 90 mg/L 30-day average, less than 158 mg/L daily maximum.

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>

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_CGPApendixCCA2018Fillable.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> >

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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:

- 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".
- Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period not to exceed the duration of the project. Prior to project completion, the waste will be removed from view of the ROW or buried, and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) will be incidental to the various contract items.

COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historic Preservation Office (SHPO or THPO) for all work included within the project limits and all department designated sources and designated option material sources, stockpile sites, storage areas, and waste sites provided within the plans.

Action Taken/Required:

All earth disturbing activities not designated within the plans require a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view in which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities within 150 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 L: CONTAMINATED MATERIAL

Contaminated soil and/or known gas stations, undergrounds storage tanks, etc. are located within the project limits. Petroleum contaminated soil may be located at the following sites:

Description	Station	L / R
Dakota Detail Plus 467 S Dakota Ave	26+50 to 27+50	L
Karen Asian Grocery Store 175 S Dakota Ave	40+00	L
Rapid City, Pierre & Eastern RR UST	44+75	R
Tri Tech, Inc. 55 S Dakota Ave	45+00	L
Venture Vision, Inc. 39 N Dakota Ave	49+00	L
Jensen's, Inc. 140 N Dakota Ave	53+50	R
Carlson's Northside Service 320 N Dakota Ave	59+00	R

Action Taken/Required:

The Contractor will give notice to the Engineer when contaminated soil is encountered on the project. The Engineer will contact the Environmental Office so that contact with the DANR and consultant to inspect and monitor removal of any contaminated soil can be initiated.

The Contractor will be responsible for having the existing underground utilities located in the construction area. Underground utilities damaged by the Contractor due to negligence will be repaired at the Contractor's expense.

Petroleum contaminated soil may be disposed of at the Mitchell Landfill (phone 605.995.8465). Measurement of "Contaminated Material Excavation" will be in accordance with Section 120.4 of the Specifications. All costs for excavating and transporting the contaminated materials to the disposal site and all fees charged per cubic yard by the disposal site will be incidental to the contract unit price per cubic yard for "Contaminated Material Excavation".

The estimated quantity of "Contaminated Material Excavation" is 100 cubic yards. The quantity of "Contaminated Material Excavation" may vary from the plans. No adjustment will be made to the contract unit price for variations in the quantity of "Contaminated Material Excavation". The estimated quantity of "Contaminated Material Excavation" is provided in Section B – Grading Plans.

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0037(158)126	A5	A6

Plotting Date: 02/08/2024 Revised: 01-24-24 JWF

COMMITMENT M: SECTION 4(f)/6(f) RESOURCES

COMMITMENT M1: SECTION 4(f) PROPERTY

A Section 4(f) Evaluation concluded there are no feasible and prudent alternatives to avoiding Section 4(f) property located within the project.

Station	Section 4(f) Property
18+00 to 23+00 L	Campbell Park
9+00 to 26+00 L/R	Campbell Park Historic District

Action Taken/Required:

Prior to the pre-construction meeting the Contractor will notify Chad Babcock, Environmental Manager, 605.773.3721, seven (7) days in advance.

The following measures are required to minimize harm to the above Section 4(f) property:

Campbell Park – The park is located adjacent to and within temporary disturbance work limits for the project from 7th St S to 5th St S Left. Additionally, the site is considered a 6(f) resource described in Commitment M2 below.

All work within Campbell Park must be completed within 180 days.

Access to Campbell Park will be maintained during the entirety of the construction activities.

A new Americans with Disabilities Act (ADA) accessible shared use path connection would be constructed and considered an enhancement to the park.

Areas of Campbell Park disturbed by construction activities will be fully restored and revegetated.

The Contractor is not permitted to stage equipment or materials within Campbell Park. The Contractor will notify the Project Engineer if additional easement is needed to complete the work adjacent to any Section 4(f) property. The Project Engineer will obtain an appropriate course of action from the Environmental Office before proceeding with construction activities that affect any Section 4(f) property.

Campbell Park Historic District – The Campbell Park Historic District is located adjacent to the project from 9th St S to 5th St S and within temporary easements.

The City of Huron's *Dakota Avenue Improvements, 9th Street to Market Street, Huron, South Dakota*, PCN X05T will be let in conjunction with PCN 06A2, and includes plans for the type and location of tree plantings from 9th St S to 5th St S, through the Campbell Park Historic District. Tree planting will be completed according to the schedule detailed in the Landscape Plan on pages L-2.00 through L-2.04 of the above referenced plans for PCN X05T.

The Contractor will remove a two-foot square section of concrete sidewalk preserving the "WPA" stamp, as specified in the Section B Grading Plans. The stamped section of concrete sidewalk is located at or about 578 Dakota Ave S. The City of Huron will take possession, after removal, and store the concrete section for installation by the Huron Historic Preservation Board adjacent to the interpretive signage located inside Campbell Park at the south end of the library.

Station	"WPA" Concrete Sidewalk
21+00 to 23+00 R	Sidewalk at or about 578 Dakota Ave S

The Project will fund the development and installation of two interpretive signs through the Joint Powers Agreement among the City of Huron and SDDOT. The topics of the signs will relate to the history of the Campbell Park Historic District and include the context of trees and WPA constructed sidewalks. The signs will be located inside Campbell Park at the south end of the library. The Huron Historic Preservation Board will develop the new signs. The City of Huron will coordinate development with SHPO and the Huron Historic Preservation Board, and the City of Huron will maintain the new signs. The City of Huron will notify FHWA, SDDOT, and SHPO upon completing the installation of the signage and facilitate a site inspection.

The Project will fund the development and installation of four Campbell Park Historic Markers through the Joint Powers Agreement among the City of Huron and SDDOT. The Huron Historic Preservation Board will be responsible for the development of the markers. The City of Huron will be responsible for the installation and maintenance of the markers. The markers will be affixed to street intersection poles at the junctions of 5th St, 7th St, 8th St, and 9 St with SD37.

COMMITMENT M2: SECTION 6(f) PROPERTY

National Park Service concurrence has been obtained for project impacts to the following resource(s) acquired and developed through a Land and Water Conservation Fund grant.

Station	Section 6(f) Property
18+00 to 23+00 L	Campbell Park

The SDDOT has obtained concurrence from the SDGF&P that the impacts to Campbell Park constitute a temporary non-conforming use. No replacement will be required, there is no conversion of use.

Action Taken/Required:

The Contractor is not permitted to stage equipment or materials within [name of park(s)]. The Contractor will notify the Project Engineer if additional easement is needed to complete the work adjacent to any Section 6(f) property. The Project Engineer will obtain an appropriate course of action from the Environmental Office before proceeding with construction activities that affect any Section 6(f) property.

All work occurring within Campbell Park must be completed within 180 days. There will be a 180-day Special Provision for Contract Time.

COMMITMENT Q: ARCHAEOLOGICAL COORDINATION

As a result of a Cultural Resources Survey, historic properties have been identified adjacent to the project rights-of-way.

The following historic properties have been identified that require avoidance of standing structure by construction activities:

Table of Historic Properties

Station	Offset (Ft.)	L/R	Environmental Sensitive Site	Action
9+00 to 26+00	Varies	L/R	Campbell Park Historic District Structures	Do Not Disturb
28+61 to 29+99	Varies	R	410 S Dakota Ave	Do Not Disturb
31+54 to 31+79	Varies	R	364 S Dakota Ave	Do Not Disturb
32+04 to 32+54	Varies	R	348 S Dakota Ave	Do Not Disturb
32+54 to 33+04	Varies	R	334-340 S Dakota Ave	Do Not Disturb
33+29 to 33+54	Varies	R	322 S Dakota Ave	Do Not Disturb
35+79 to 36+04	Varies	R	274 S Dakota Ave	Do Not Disturb
36+04 to 36+29	Varies	R	266 S Dakota Ave	Do Not Disturb
38+55 to 38+80	Varies	L	201 S Dakota Ave	Do Not Disturb

Action Taken/Required:

If evidence for cultural resources is uncovered during project construction activities, then such activities within 150 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 consult with the Archaeological Research Center (ARC), SHPO, and FHWA, to determine the appropriate course of action.

All artifacts, features, or other items of interest uncovered by project construction activities will not be displaced unless the landowner and the SHPO consent to it.

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0037(158)126	A6	A6

Plotting Date: 02/08/2024 Revised: 01-24-24 JWF

COMMITMENT R: TREE REPLACEMENT

The Contractor will minimize tree removal and disturbance to vegetation to activities only designated within the plans. Trees will be impacted by construction activities along the Dakota Ave S boulevard inside the Campbell Park Historic District from 9th St SE north to 5th St SE.

Action Taken/Required:

Trees will be replaced according to the City of Huron's *Dakota Avenue Improvements, 9th Street to Market Street, Huron, South Dakota*, PCN X05T.

The Contractor will enhance and incorporate impacted landscape areas to optimize the longevity and maintainability of existing trees and vegetation. The Contractor will reseed and temporarily protect disturbance areas with SDDOT approved BMPs. Refer to PCN X05T, *Dakota Avenue Improvements, 9th Street to Market Street, Huron, South Dakota*, Landscape Plans, sheets L-2.00 through L-2.04.

Plot Scale - 1:200

Plotted From - TRSF12139

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