STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0050(122)384	1	263

Plotting Date: 5/31/2016

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION

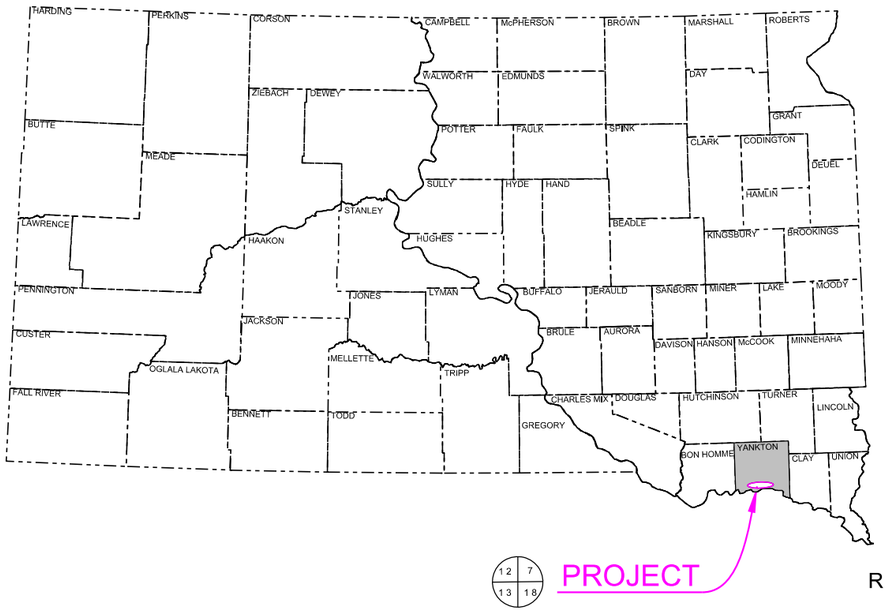
PLANS FOR PROPOSED

PROJECT NH 0050(122)384
SD HIGHWAY 50
YANKTON COUNTY

Grading, PCC Pavement, Curb & Gutter,
Storm Sewer, Roadway Lighting, Permanent Signing,
& Structure Repair and Modification
PCN 05HD

INDEX OF SECTIONS

Section A: Estimate of Quantities
Section B: Grading
Section C: Traffic Control
Section D: Erosion Control
Section E: Structures
Section F: Surfacing
Section L: Lighting & Signals
Section M: Pavement Marking
Section S: Permanent Signing
Section X: Cross Sections



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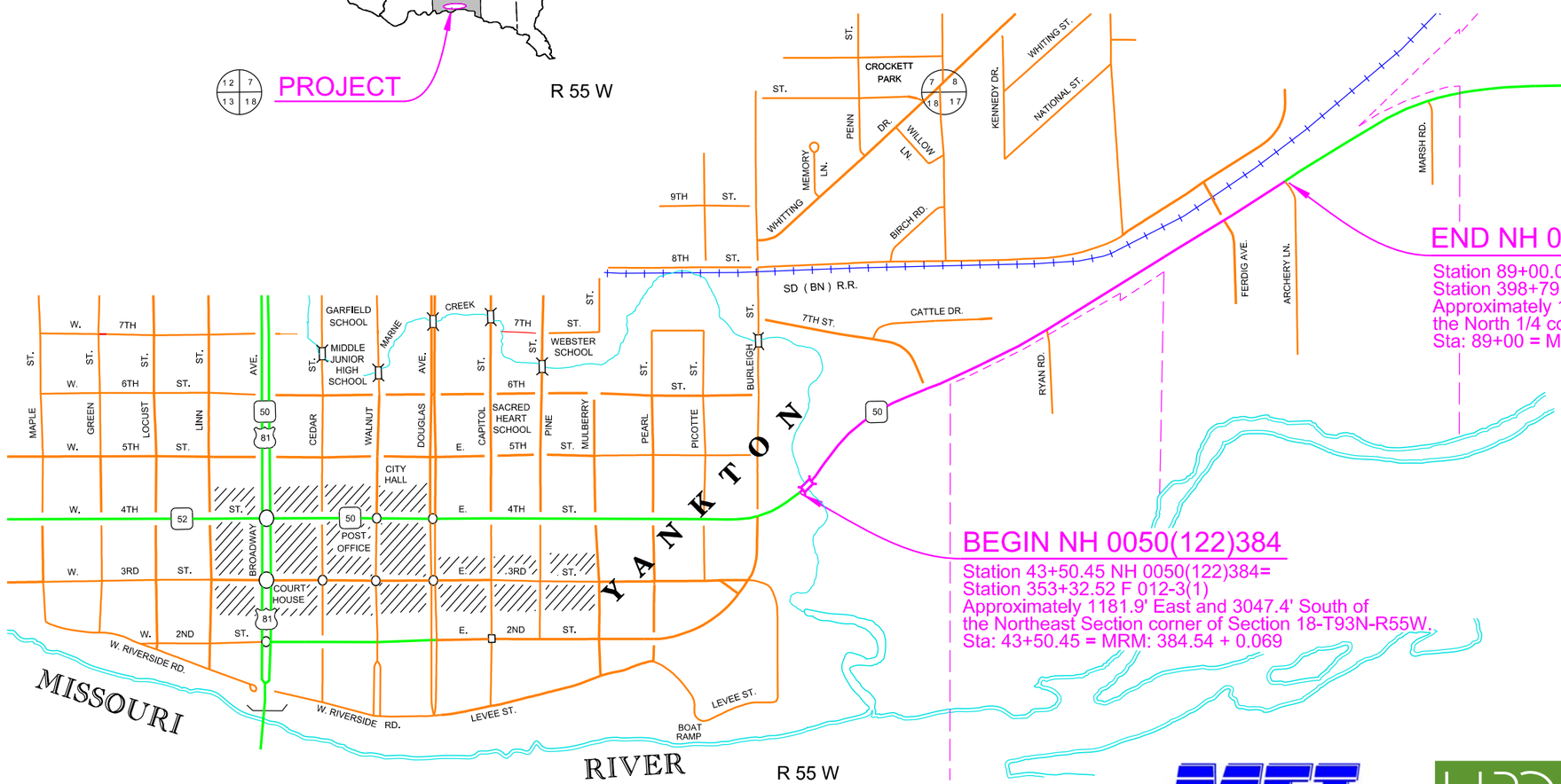

REGISTERED PROFESSIONAL ENGINEER
REG NO.
8161
JOSH
LARSON
5-26-16
SOUTH DAKOTA

DESIGN DESIGNATION

HWY 50	
ADT (2015)	9322
ADT (2040)	12352
DHV	1532
D	52%
T DHV	5.1%
T ADT	11.3%
V	40 MPH

STORM WATER PERMIT

Major Receiving
Body of Water: Marne Creek
Area Disturbed: 10.5 Acres
Total Project Area: 13.9 Acres
Approx. Begin Lat/Long: 42.8714, -97.3817

GROSS LENGTH	4549.55	FEET	0.862	MILES
LENGTH OF EXCEPTIONS	0.00	FEET	0.000	MILES
NET LENGTH	4549.55	FEET	0.862	MILES

Plans Prepared by:
McLaury Engineering, Inc.
Sioux Falls, South Dakota

HR Green, Inc.
Sioux Falls, South Dakota

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0050(122)384	A1	A4

Plotting Date: 6/13/2016 Rev. 6/13/2016 JDL

Grading – Section B

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3220	Reestablish Property Corner	85	Each
009E3230	Grade Staking	4.145	Mile
009E3250	Miscellaneous Staking	0.829	Mile
009E3280	Slope Staking	0.829	Mile
009E3300	Three Man Survey Crew	20.0	Hour
009E4300	Construction Schedule, Category III	Lump Sum	LS
100E0020	Clear and Grub Tree	1	Each
100E0100	Clearing	Lump Sum	LS
110E0300	Remove Concrete Curb and Gutter	215	Ft
110E0400	Remove Drop Inlet	10	Each
110E0460	Remove Manhole	8	Each
110E1010	Remove Asphalt Concrete Pavement	1,603.5	SqYd
110E1100	Remove Concrete Pavement	30,659.7	SqYd
110E1130	Remove Concrete Driveway Pavement	1,140.1	SqYd
110E1140	Remove Concrete Sidewalk	1,620.7	SqYd
120E0010	Unclassified Excavation	18,179	CuYd
120E0900	Contaminated Material Excavation	100	CuYd
120E2000	Undercutting	12,320	CuYd
120E6100	Water for Embankment	166.6	MGal
250E0020	Incidental Work, Grading	Lump Sum	LS
260E2010	Gravel Cushion	2,321.9	Ton
380E3520	6" PCC Approach Pavement	71.2	SqYd
380E3540	8" PCC Approach Pavement	1,112.8	SqYd
380E4070	9" PCC Fillet Section	28.3	SqYd
450E0122	18" RCP Class 2, Furnish	1,554	Ft
450E0130	18" RCP, Install	1,554	Ft
450E0142	24" RCP Class 2, Furnish	1,314	Ft
450E0150	24" RCP, Install	1,314	Ft
450E0162	30" RCP Class 2, Furnish	794	Ft
450E0170	30" RCP, Install	794	Ft
450E0182	36" RCP Class 2, Furnish	300	Ft
450E0190	36" RCP, Install	300	Ft
450E0192	42" RCP Class 2, Furnish	560	Ft
450E0200	42" RCP, Install	560	Ft
450E0222	60" RCP Class 2, Furnish	70	Ft
450E0230	60" RCP, Install	70	Ft
450E0424	30" RCP Bend, Furnish	1	Each
450E0425	30" RCP Bend, Install	1	Each
450E2024	30" RCP Flared End, Furnish	1	Each
450E2025	30" RCP Flared End, Install	1	Each
450E2304	18" RCP Safety End, Furnish	5	Each
450E2307	18" RCP Safety End, Install	5	Each
451E6080	Adjust Water Valve Box	2	Each

Grading – Section B (Continued)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
462E0100	Class M6 Concrete	130.3	CuYd
464E0100	Controlled Density Fill	10.0	CuYd
480E0100	Reinforcing Steel	25,043	Lb
600E0300	Type III Field Laboratory	1	Each
650E0090	Type B69 Concrete Curb and Gutter	7,488	Ft
650E4690	Type P9 Concrete Gutter	736	Ft
651E0040	4" Concrete Sidewalk	19,029	SqFt
651E0060	6" Concrete Sidewalk	4,617	SqFt
651E3000	Grinding Miscellaneous Concrete	26.0	SqFt
651E7000	Type 1 Detectable Warnings	292	SqFt
670E1200	Type B Frame and Grate Assembly	12	Each
670E5340	4' x 11' Precast Concrete Type S Drop Inlet Lid	24	Each
670E5400	Precast Drop Inlet Collar	12	Each
671E5502	2" Adjusting Ring for Manhole	5	Each
671E6009	Type A9 Manhole Frame and Lid	1	Each
671E7010	Adjust Manhole	4	Each
720E1015	Bank and Channel Protection Gabion	6.0	CuYd
831E0110	Type B Drainage Fabric	20	SqYd
831E0300	Reinforcement Fabric (MSE)	4,239	SqYd
900E0010	Refurbish Single Mailbox	13	Each

Traffic Control – Section C

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	200.0	Hour
634E0110	Traffic Control Signs	1,022.9	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0280	Type 3 Barricade, 8' Single Sided	25	Each
634E0285	Type 3 Barricade, 8' Double Sided	5	Each
634E0330	Temporary Raised Pavement Markers	23,280	Ft
634E0380	Tubular Marker	92	Each
634E0390	Replace Tubular Marker	46	Each
634E0420	Type C Advance Warning Arrow Board	2	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	2,720	Ft
634E0600	4" Temporary Pavement Marking Tape Type I	720	Ft
634E0640	Temporary Pavement Marking	13,500	Ft
634E1002	Detour Signing	336.7	SqFt
634E1020	Temporary Business Signing	26.7	SqFt
634E2000	Longitudinal Pedestrian Barricade	200	Ft
634E2010	Temporary Pedestrian Facility(s)	Lump Sum	LS
634E2020	Temporary Curb Ramp	8	Each
634E2025	Longitudinal Pedestrian Channelizer	200	Ft
634E2030	Audible Message Device	5	Each
900E1080	Orange Plastic Safety Fence	400	Ft

Erosion and Sediment Control – Section D

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	5.0	CuYd
110E1695	Remove Sediment Filter Bag	1,830	Ft
110E1700	Remove Silt Fence	663	Ft
230E0010	Placing Topsoil	1,339	CuYd
730E0206	Type D Permanent Seed Mixture	759	Lb
731E0200	Fertilizing	1.79	Ton
732E0200	Fiber Mulching	2.5	Ton
734E0042	Soil Stabilizer	1,000.0	SqYd
734E0103	Type 3 Erosion Control Blanket	76	SqYd
734E0180	Sediment Filter Bag	1,820	Ft
734E0602	Low Flow Silt Fence	1,252	Ft
734E0604	High Flow Silt Fence	1,397	Ft
734E0610	Mucking Silt Fence	184	CuYd
734E0620	Repair Silt Fence	663	Ft
734E0630	Floating Silt Curtain	240	Ft
734E0680	Flocculent Housing Unit	1	Each
734E0683	500K Gallon Treatment Flocculent Bag	1	Each
734E0845	Sediment Control at Inlet with Frame and Grate	13	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	288	Ft
734E5000	Dewatering	12	Hour
734E5010	Sweeping	12	Hour
900E1310	Concrete Washout Facility	2	Each
900E1320	Construction Entrance	4	Each

INDEX OF SHEETS

A1 and A2 Estimate of Quantities for Sections B,C,D,E, F, L, M, and S

A3 and A4 Environmental Commitments

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

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0050(122)384	A2	A4

Plotting Date: 6/13/2016 Rev. 6/13/2016 JDL

Structure – Section E

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	436.7	SqYd
110E0020	Remove Bridge Railing	226	Ft
410E2600	Membrane Sealant Expansion Joint	110.0	Ft
430E0300	Granular Bridge End Backfill	89.4	CuYd
430E0510	Approach Slab Underdrain Excavation	105.9	CuYd
430E0700	Precast Concrete Headwall for Drain	4	Each
460E0070	Class A45 Concrete, Bridge Repair	31.3	CuYd
460E0150	Concrete Approach Slab for Bridge	415.5	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	88.6	SqYd
460E0200	Special Surface Finish	437	SqFt
460E0300	Breakout Structural Concrete	23.2	CuYd
460E0380	Install Dowel in Concrete	160	Each
464E0100	Controlled Density Fill	6.4	CuYd
470E0040	Steel Pedestrian Railing	114.6	Ft
480E0200	Epoxy Coated Reinforcing Steel	4,461	Lb
480E0504	No. 4 Rebar Splice	46	Each
480E0505	No. 5 Rebar Splice	48	Each
480E0506	No. 6 Rebar Splice	72	Each
480E5000	Galvanic Anode	97	Each
550E0010	Low Slump Dense Concrete Bridge Deck Overlay	48	CuYd
550E0100	Concrete Removal Type 1A	682.5	SqYd
550E0105	Concrete Removal Type 2A	170.7	SqYd
550E0110	Concrete Removal Type 1B	68.2	SqYd
550E0120	Concrete Removal Type 1C	34.2	SqYd
550E0130	Concrete Removal Type 1D	34.2	SqYd
550E0140	Concrete Removal Type B	43.0	Ft
550E0200	Class A45 Concrete Fill	13.3	CuYd
550E0500	Finishing and Curing	682.5	SqYd
621E0300	Chain Link Fence for Bridge Sidewalk	114	Ft
680E0040	4" Underdrain Pipe	218	Ft
680E2500	Porous Backfill	30.5	Ton
700E0210	Class B Riprap	263.2	Ton
831E0110	Type B Drainage Fabric	285	SqYd

*** - Denotes Non-Participating**

Surfacing – Section F

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6200	Water for Granular Material	132.0	MGal
260E2010	Gravel Cushion	10,976.5	Ton
320E1200	Asphalt Concrete Composite	289.0	Ton
380E0050	8" Nonreinforced PCC Pavement	343.8	SqYd
380E0070	9" Nonreinforced PCC Pavement	31,997.4	SqYd
380E3040	8" PCC Driveway Pavement	93.8	SqYd
380E6000	Dowel Bar	19,521	Each
380E6110	Insert Steel Bar in PCC Pavement	170	Each
410E2600	Membrane Sealant Expansion Joint	110.0	Ft

Signal and Lighting – Section L

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1540	Remove Luminaire Pole Footing	20	Each
110E5100	Salvage Luminaire Pole	20	Each
635E0040	Breakaway Base Luminaire Pole with Arm, 40' Mounting Height	30	Each
635E0900	Decorative Luminaire Pole	6	Each
635E3410	Decorative Luminaire, 400 Watt	6	Each
635E3800	Roadway Luminaire, LED	30	Each
635E4010	1 Section Vehicle Signal Head	2	Each
635E5020	2' Diameter Footing	264.0	Ft
635E5302	Type 2 Electrical Junction Box	37	Each
635E5400	Electrical Service Cabinet	1	Each
635E5420	Circuit Control Center	2	Each
635E8015	1.5" Rigid Galvanized Steel Conduit	30	Ft
635E8120	2" Rigid Conduit, Schedule 40	4,640	Ft
635E8130	3" Rigid Conduit, Schedule 40	955	Ft
635E8220	2" Rigid Conduit, Schedule 80	515	Ft
635E8230	3" Rigid Conduit, Schedule 80	340	Ft
635E9014	1/C #4 AWG Copper Wire	2,440	Ft
635E9016	1/C #6 AWG Copper Wire	26,010	Ft
635E9018	1/C #8 AWG Copper Wire	5,940	Ft
635E9020	1/C #10 AWG Copper Wire	5,025	Ft
635E9021	2/C #12 AWG Copper Wire	720	Ft
635E9710	2/C #10 AWG Copper Pole and Bracket Cable	1,800	Ft

Pavement Marking – Section M

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0030	Cold Applied Plastic Pavement Marking, 24"	50	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	34	Each
633E0055	Cold Applied Plastic Pavement Marking, Railroad Crossing	1	Each
633E1440	Pavement Marking Paint, Area	70	SqFt
633E1445	Pavement Marking Paint, Arrow	68	Each
633E3000	Durable Pavement Marking, 4" White	3,490	Ft
633E3005	Durable Pavement Marking, 4" Yellow	10,905	Ft
633E3040	Durable Pavement Marking, Area	35	SqFt
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	50	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	34	Each
633E5040	Grooving for Cold Applied Plastic Pavement Marking, Railroad Crossing	1	Each
633E5100	Grooving for Durable Pavement Marking, 4"	14,395	Ft
633E5120	Grooving for Durable Pavement Marking, Area	35	SqFt
634E0560	Remove Pavement Marking, 4" or Equivalent	1,525	Ft
634E0565	Remove Pavement Marking, Arrow	5	Each
634E0580	Remove Pavement Marking, Railroad Crossing	1	Each
634E0640	Temporary Pavement Marking	29,390	Ft

Permanent Signing – Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E5020	Salvage Traffic Sign	29	Each
632E0010	1.25' Diameter Breakaway Support Concrete Footing	24.0	Ft
632E1320	2.0"x2.0" Perforated Tube Post	70.8	Ft
632E1340	2.5"x2.5" Perforated Tube Post	72.6	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	67.2	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	77.0	SqFt
632E3520	Remove, Salvage, Relocate, and Reset Traffic Sign	12	Each

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

FOR BIDDING PURPOSES ONLY

ENVIRONMENTAL COMMITMENTS

An Environmental Commitment is a measure that SDDOT commits to implement in order to avoid, minimize, and/or mitigate a real or potential environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency mentioned below with permitting authority can influence a project if perceived environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office. The environmental commitments associated with this project are as follows:

COMMITMENT C: WATER SOURCE

The Contractor shall not withdraw water with equipment previously used outside the State of South Dakota without prior approval from the SDDOT Environmental Office. Thoroughly wash all construction equipment before entering South Dakota to reduce the risk of invasive species introduction into the project vicinity.

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

Action Taken/Required:

The Contractor shall obtain the necessary permits from the regulatory agencies such as the Department of Environment and Natural Resources (DENR) and the United States Army Corps of Engineers (COE) prior to executing water extraction activities.

COMMITMENT D: WATER QUALITY STANDARDS

COMMITMENT D2: SURFACE WATER DISCHARGE

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

Action Taken/Required:

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

COMMITMENT E: STORM WATER

Construction activities constitute 1 acre or more of earth disturbance.

Action Taken/Required:

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

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

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

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

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

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

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

Contractor Certification Form:

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

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

The online form can be found at:
http://denr.sd.gov/des/sw/eforms/E2110LDV1-ContractorCertification.pdf

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor shall furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the Public ROW.

The waste disposal site(s) shall 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 Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Project Engineer.

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

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the Public ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".

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

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

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

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

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

FOR BIDDING PURPOSES ONLY

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

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

Action Taken/Required:

All earth disturbing activities not designated within the plans require review of cultural resources impacts. This work includes, but is not limited to: staging areas, borrow sites, waste disposal sites, and all material processing sites.

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

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

The Contractor shall submit the records search or cultural resources survey report and if the location of the site is within the current geographical or historic boundaries of any South Dakota reservation to SDDOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3180). SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

If evidence for cultural resources is uncovered during project construction activities, then such activities shall cease and the Project Engineer shall be immediately notified. The Project Engineer will contact the SDDOT Environmental Engineer in order to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for staging areas, borrow sites, waste disposal sites, or material processing sites that affect wetlands, threatened and endangered species, or waterways. The Contractor shall provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

COMMITMENT 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
Sinclair – H&K Oil Co.	69+90	R

Action Taken/Required:

The Contractor shall give notice to the Engineer when contaminated soil is encountered on the project. The Engineer will contact the SDDOT Environmental Engineer, at 605-773-3180, so that contact with the Department of Environment and Natural Resources (DENR) and consultant to inspect and monitor removal of any contaminated soil can be initiated.

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

Petroleum contaminated soil may be disposed of at the City of Vermillion Landfill, phone 605-677-7059 or Virgil Johnson (3 mi east, 1.5 mi north of Irene, SD) phone 605-263-3625 . Measurement of "Contaminated Material Excavation" shall 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 shall 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.

COMMITMENT N: SECTION 404 PERMIT

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

Action Taken/Required:

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

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