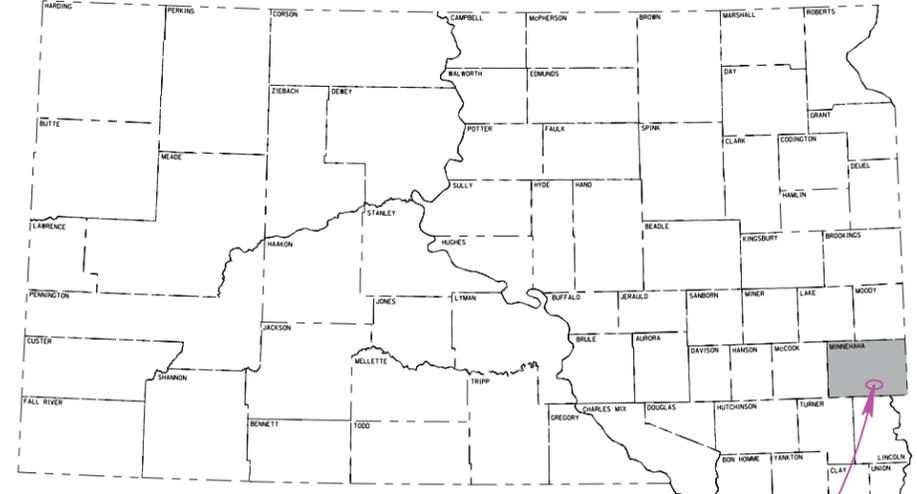


FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(103)417	1	292

FILE: A01 Title.dgn
PLOTTING DATE: 01-02-2015
REV DATE: INITIAL:



Project

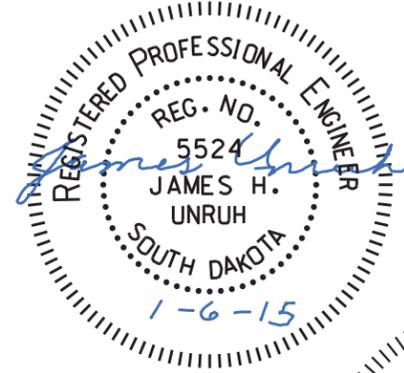
STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT NH 0100(103)417
HWY 100 FROM
MADISON STREET TO MAPLE STREET
MINNEHAHA COUNTY

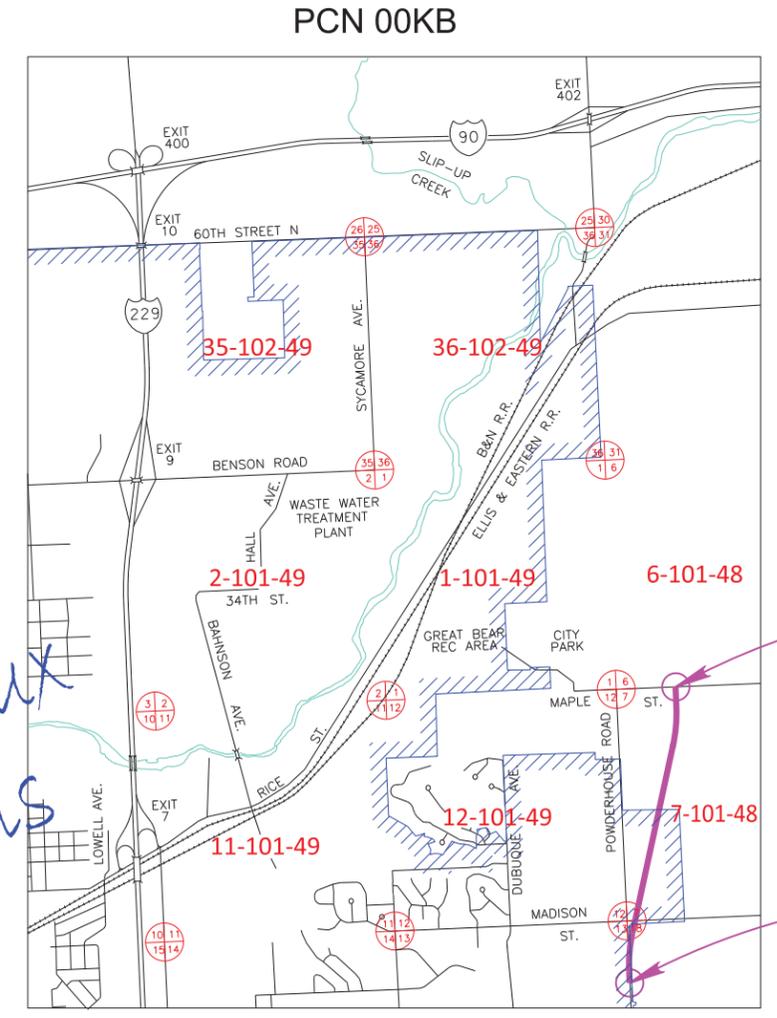
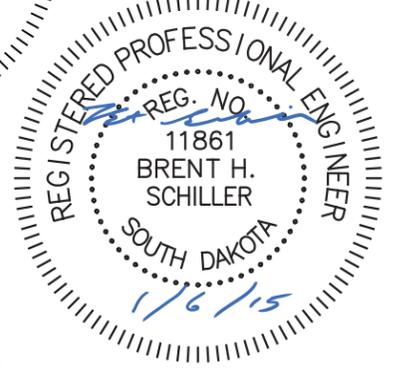
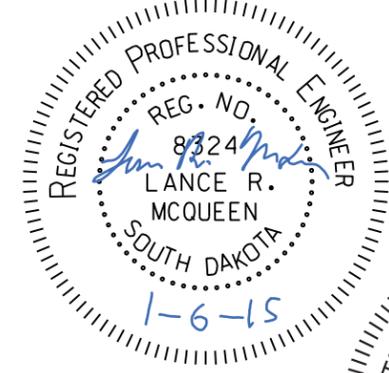
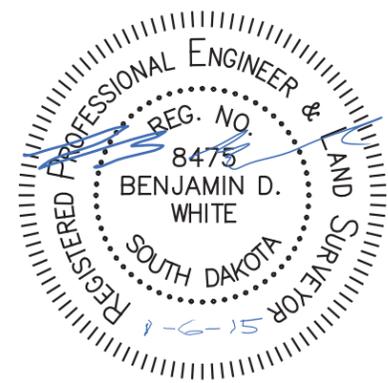
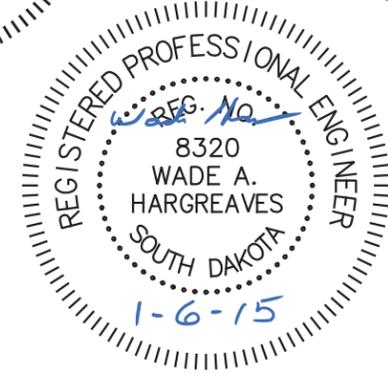
GRADING, STRUCTURES, CURB & GUTTER, STORM SEWER, PCC PAVEMENT,
PAVEMENT MARKINGS, SIGNALS, AND LIGHTING

INDEX OF SECTIONS

Section A	Title Sheet
Section B	Grading Plans
Section C	Traffic Control Plans
Section D	Erosion and Sediment Control Plans
Section E	Structure Plans
Section F	Surfacing Plans
Section L	Signal and Lighting Plans
Section M	Pavement Marking Plans
Section X	Cross Sections
Section Z	Pipe Sections



This highway is a "CONTROL OF ACCESS" highway as adopted by the South Dakota Transportation Commission. Access points to be limited to those shown on the construction plans except any additional that are required as a result of right-of-way acquisition.



Sioux Falls

END NH 0100(103)
Station 786+00.00
Approx. 17.37' north and 1,359.13' east of the NW corner of Section 7 - Township 101 N - Range 48 W of the 5th P.M.

BEGIN NH 0100(103)
Station 717+07.63
Approx. 1426.69' south and 0.08' west of the SW corner of Section 7 - Township 101 N - Range 48 W of the 5th P.M.

DESIGN DESIGNATION

	Hwy 100	Madison St	Maple St
ADT (2012)	0	3,000	100
ADT (2035)	38,000	15,000	13,000
DHV (2035)	3,700	1,750	1,500
D (P.M. Peak)	60% NB, 40% SB		
T DHV	10%	4%	4%
T ADT	7%	4%	4%
V	60 MPH	40 MPH	20 MPH

STORM WATER PERMIT
Major Stream: Big Sioux River
Area Disturbed: 37.09 Acres
Total Project Area: 45.43 Acres
Approx. Begin Lat/Long: 43.5561, -96.6516

Gross Length	6,892.37	Feet	1.3054	Miles
Length of Exceptions	0.00	Feet	0.0000	Miles
Total Net Length	6,892.37	Feet	1.3054	Miles



ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(103)417	A1	A5

Plotting Date: 3/5/2015

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GRADING - Section B

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	9,353	Mile
009E3245	Final Cross Section Survey	1,529	Mile
009E3250	Miscellaneous Staking	1,737	Mile
009E3280	Slope Staking	1,737	Mile
009E3290	Structure Staking	4	Each
009E3300	Three Man Survey Crew	40.0	Hour
110E0400	Remove Drop Inlet	4	Each
110E0600	Remove Fence	749	Ft
110E1010	Remove Asphalt Concrete Pavement	4,054.0	SqYd
110E1100	Remove Concrete Pavement	5,258.0	SqYd
110E7500	Remove Pipe for Reset	38	Ft
110E7802	Remove Fence for Reset	1,450	Ft
120E0010	Unclassified Excavation	319,210	CuYd
120E0420	Contractor Furnished Select Subgrade Topping	52,352	CuYd
120E2000	Undercutting	29,857	CuYd
120E6100	Water for Embankment	3,403.0	MGal
240E0010	Obliterate Old Road	9	Sta
250E0020	Incidental Work, Grading	Lump Sum	LS
421E0100	Pipe Culvert Undercut	1,115	CuYd
450E0123	18" RCP Class 3, Furnish	3,230	Ft
450E0130	18" RCP, Install	3,230	Ft
450E0143	24" RCP Class 3, Furnish	2,500	Ft
450E0150	24" RCP, Install	2,500	Ft
450E0163	30" RCP Class 3, Furnish	280	Ft
450E0170	30" RCP, Install	280	Ft
450E0183	36" RCP Class 3, Furnish	652	Ft
450E0190	36" RCP, Install	652	Ft
450E0193	42" RCP Class 3, Furnish	52	Ft
450E0200	42" RCP, Install	52	Ft
450E0223	60" RCP Class 3, Furnish	216	Ft
450E0230	60" RCP, Install	216	Ft
450E0263	84" RCP Class 3, Furnish	246	Ft
450E0270	84" RCP, Install	246	Ft
450E0428	36" RCP Bend, Furnish	2	Each
450E0429	36" RCP Bend, Install	2	Each
450E0460	84" RCP Bend, Furnish	6	Each
450E0461	84" RCP Bend, Install	6	Each
450E2024	30" RCP Flared End, Furnish	1	Each
450E2025	30" RCP Flared End, Install	1	Each
450E2032	42" RCP Flared End, Furnish	1	Each
450E2033	42" RCP Flared End, Install	1	Each
450E2044	60" RCP Flared End, Furnish	2	Each
450E2045	60" RCP Flared End, Install	2	Each
450E2060	84" RCP Flared End, Furnish	6	Each
450E2061	84" RCP Flared End, Install	6	Each
450E3073	60" RCP Arch Class 3, Furnish	200	Ft
450E3080	60" RCP Arch, Install	200	Ft
450E4528	60" RCP Arch Flared End, Furnish	2	Each
450E4529	60" RCP Arch Flared End, Install	2	Each
450E4757	18" CMP 12 Gauge, Furnish	34	Ft
450E4760	18" CMP, Install	34	Ft
450E5406	18" CMP Safety End, Furnish	2	Each
450E5407	18" CMP Safety End, Install	2	Each
450E5529	30" CMP Arch 16 Gauge, Furnish	68	Ft
450E5530	30" CMP Arch, Install	68	Ft
450E6015	30" CMP Arch Safety End with Bars, Furnish	4	Each
450E6017	30" CMP Arch Safety End, Install	4	Each
450E9000	Reset Pipe	38	Ft
462E0100	Class M6 Concrete	197.4	CuYd
462E0200	Controlled Density Fill	2.0	CuYd
480E0100	Reinforcing Steel	27,930	Lb
600E0300	Type III Field Laboratory	1	Each

GRADING - Section B cont'd

Bid Item Number	Item	Quantity	Unit
620E0020	Type 2 Right-of-Way Fence	11,459	Ft
620E1020	2 Post Panel	60	Each
620E1030	3 Post Panel	17	Each
620E4100	Reset Fence	1,450	Ft
650E0090	Type B69 Concrete Curb and Gutter	360	Ft
650E1100	Type F610 Concrete Curb and Gutter	25,066	Ft
651E0060	6" Concrete Sidewalk	1,431	SqFt
651E7000	Type 1 Detectable Warnings	114	SqFt
670E1200	Type B Frame and Grate Assembly	84	Each
670E5340	4' x 11' Precast Concrete Type S Drop Inlet Lid	3	Each
670E5342	4' x 6' Precast Concrete Type S Drop Inlet Lid	11	Each
670E5400	Precast Drop Inlet Collar	87	Each
671E6007	Type A7 Manhole Frame and Lid	4	Each
671E6010	Type A10 Manhole Frame and Lid	4	Each
671E6020	Type C Manhole Frame and Lid	3	Each
680E0260	6" Corrugated Polyethylene Drainage Tubing	560	Ft
700E0210	Class B Riprap	672.0	Ton
831E0110	Type B Drainage Fabric	536	SqYd

TRAFFIC CONTROL - Section C

Bid Item Number	Item	Quantity	Unit
634E0010	Flagging	50	Hour
634E0100	Traffic Control	1,210	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E1002	Detour Signing	757.0	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each

SPECIFICATIONS

Standard Specifications for Roads & Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and Special Provisions as included in the Proposal.

INDEX OF SHEETS

A1 to A3 Estimate of Quantities for Sections B,C,D,E, F, H, L, M, and S
A4 and A5 Environmental Commitments

EROSION & SEDIMENT CONTROL - Section D

Bid Item Number	Item	Quantity	Unit
110E1690	Remove Sediment	9.5	CuYd
110E1693	Remove Erosion Control Wattle	283	Ft
110E1695	Remove Sediment Filter Bag	2,980	Ft
110E1700	Remove Silt Fence	1,580	Ft
120E6300	Water for Vegetation	1,481.0	MGal
230E0010	Placing Topsoil	23,096	CuYd
730E0100	Cover Crop Seeding	100.0	Bu
730E0206	Type D Permanent Seed Mixture	5,100	Lb
731E0100	Fertilizing	1,700	Lb
732E0200	Fiber Mulching	25.5	Ton
734E0044	Soil Stabilizer	17.0	Acre
734E0101	Type 1 Erosion Control Blanket	2,985	SqYd
734E0131	Type 1 Turf Reinforcement Mat	3,742.0	SqYd
734E0154	12" Diameter Erosion Control Wattle	1,132	Ft
734E0165	Remove and Reset Erosion Control Wattle	283	Ft
734E0180	Sediment Filter Bag	2,980	Ft
734E0325	Surface Roughening	6.0	Acre
734E0510	Shaping for Erosion Control Blanket	1,385	Ft
734E0602	Low Flow Silt Fence	6,323	Ft
734E0610	Mucking Silt Fence	440	CuYd
734E0620	Repair Silt Fence	1,580	Ft
734E0680	Flocculent Housing Unit	2	Each
734E0683	500K Gallon Treatment Flocculent Bag	2	Each
734E0845	Sediment Control at Inlet with Frame and Grate	87	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	156	Ft
734E5005	Dewatering	Lump Sum	LS
734E5010	Sweeping	8	Hour
900E1310	Concrete Washout Facility	2	Each
900E1320	Construction Entrance	4	Each

STRUCTURES – Section E

Str. No. 50-241-198

DRAINAGE STRUCTURE SITE 1

ALTERNATE A – 12'x5' Box Culvert (C.I.P.)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	194	CuYd
421E0200	Box Culvert Undercut	454	CuYd
460E0120	Class A45 Concrete, Box Culvert	464.2	CuYd
480E0100	Reinforcing Steel	80,458	Lb
700E0210	Class B Riprap	163.6	Ton
831E0110	Type B Drainage Fabric	136	SqYd

ALTERNATE B – 12'x5' Box Culvert (Precast)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	100	CuYd
421E0200	Box Culvert Undercut	412	CuYd
560E0182	12'x5' Precast Concrete Box Culvert, Furnish	278.0	Ft
560E0183	12'x5' Precast Concrete Box Culvert, Install	278.0	Ft
560E1182	12'x5' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E1183	12'x5' Precast Concrete Box Culvert End Section, Install	2	Each
700E0210	Class B Riprap	120.5	Ton
831E0110	Type B Drainage Fabric	124	SqYd

Str. No. 50-241-197
12'x10' Box Culvert (C.I.P.)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	133	CuYd
421E0200	Box Culvert Undercut	370	CuYd
460E0120	Class A45 Concrete, Box Culvert	344.4	CuYd
460E0204	Anti-Graffiti Coating	6,615.0	SqFt
480E0100	Reinforcing Steel	55,264	Lb
621E0040	4' Chain Link Fence with Top Rail	134	Ft

Str. No. 50-241-196
DRAINAGE STRUCTURE SITE 2
ALTERNATE A – 8'x5' Box Culvert (C.I.P.)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	82	CuYd
421E0200	Box Culvert Undercut	327	CuYd
460E0120	Class A45 Concrete, Box Culvert	218.0	CuYd
480E0100	Reinforcing Steel	35,784	Lb
700E0210	Class B Riprap	102.8	Ton
831E0110	Type B Drainage Fabric	125	SqYd

ALTERNATE B – 8'x5' Box Culvert (Precast)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	63	CuYd
421E0200	Box Culvert Undercut	290	CuYd
560E0090	8'x5' Precast Concrete Box Culvert, Furnish	248.0	Ft
560E0091	8'x5' Precast Concrete Box Culvert, Install	248.0	Ft
560E1090	8'x5' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E1091	8'x5' Precast Concrete Box Culvert End Section, Install	2	Each
700E0210	Class B Riprap	72.3	Ton
831E0110	Type B Drainage Fabric	82	SqYd

Str. No. 50-243-191
DRAINAGE STRUCTURE SITE 3
12'x10' Box Culvert (Precast)

Bid Item Number	Item	Quantity	Unit
260E1010	Base Course	3.2	Ton
420E0200	Structure Excavation, Box Culvert	102	CuYd
421E0200	Box Culvert Undercut	382	CuYd
560E0192	12'x10' Precast Concrete Box Culvert, Furnish	228.0	Ft
560E0193	12'x10' Precast Concrete Box Culvert, Install	228.0	Ft
560E1192	12'x10' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E1193	12'x10' Precast Concrete Box Culvert End Section, Install	2	Each
700E0210	Class B Riprap	84.0	Ton
831E0110	Type B Drainage Fabric	96	SqYd

SURFACING – Section F

Bid Item Number	Item	Quantity	Unit
009E3320	Checker	Lump Sum	LS
120E6200	Water for Granular Material	425.0	MGal
260E1010	Base Course	6,444.0	Ton
260E2010	Gravel Cushion	27,596.0	Ton
260E3010	Gravel Surfacing	608.0	Ton
320E1200	Asphalt Concrete Composite	3,179.0	Ton
380E0070	9" Nonreinforced PCC Pavement	838.0	SqYd
380E0090	10" Nonreinforced PCC Pavement	62,383.0	SqYd
380E2574	4" Barrier Type Colored and Patterned Median PCC Pavement	2,548.0	SqYd
380E6000	Dowel Bar	44,255	Each
380E6110	Insert Steel Bar in PCC Pavement	24	Each

LANDSCAPING – Section H

Bid Item Number	Item	Quantity	Unit
120E6300	Water for Vegetation	100.0	MGal
730E0251	Special Permanent Seed Mixture 1	678	Lb
731E0100	Fertilizing	2,100	Lb
732E0200	Fiber Mulching	2.0	Ton
735E0110	1 Gallon Perennial Plant, Furnish and Plant	300	Each
735E5010	1 Gallon Ornamental Grass, Furnish and Plant	870	Each
900E5150	Landscape Edging	1,038	Ft
900E5152	Weed Barrier Fabric	724	SqYd
900E5156	3" Depth Shredded Bark Mulch	724.0	SqYd

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(103)417	A2	A5

Plotting Date: 3/5/2015

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SIGNALS AND LIGHTING – Section L

Bid Item Number	Item	Quantity	Unit
110E1540	Remove Luminaire Pole Footing	5	Each
110E5100	Salvage Luminaire Pole	5	Each
635E0050	Breakaway Base Luminaire Pole with Arm, 50' Mounting Height	50	Each
635E0150	Breakaway Base Luminaire Pole with Twin Arms, 50' Mounting Height	2	Each
635E2035	Signal Pole with 35' Mast Arm	1	Each
635E2065	Signal Pole with 65' Mast Arm	2	Each
635E2140	Signal Pole with 40' Mast Arm and Luminaire Arm	1	Each
635E3340	Roadway Luminaire, 400 Watt with Photoelectric Cell	55	Each
635E3550	Tunnel Luminaire, 70 Watt	14	Each
635E4030	3 Section Vehicle Signal Head	8	Each
635E4040	4 Section Vehicle Signal Head	8	Each
635E4050	5 Section Vehicle Signal Head	4	Each
635E5020	2' Diameter Footing	458.0	Ft
635E5030	3' Diameter Footing	52.0	Ft
635E5310	Special Electrical Junction Box	49	Each
635E5400	Electrical Service Cabinet	4	Each
635E5430	Traffic Signal Controller	1	Each
635E5450	Side Mounted Cabinet	1	Each
635E5515	Signal Head Battery Backup and Flash System	1	Each
635E5545	Wireless In Pavement Traffic Sensor	51	Each
635E5555	Wireless Access Point	2	Each
635E5558	Wireless Repeater	6	Each
635E5560	Emergency Vehicle Preemption Unit	2	Each
635E5570	Optical Detector	4	Each
635E5900	Pedestrian Push Button	2	Each
635E5910	Pedestrian Push Button Pole	2	Each
635E5922	Pedestrian Signal Head with Countdown Timer	2	Each
635E5930	Pedestrian Crossing Sign	2	Each
635E6200	Miscellaneous, Electrical	Lump Sum	LS
635E7000	Install Luminaire Pole	5	Each
635E8025	2.5" Rigid Galvanized Steel Conduit	1,590	Ft
635E8030	3" Rigid Galvanized Steel Conduit	775	Ft
635E8040	4" Rigid Galvanized Steel Conduit	1,190	Ft
635E8050	5" Rigid Galvanized Steel Conduit	10	Ft
635E8108	0.75" Rigid Conduit, Schedule 40	70	Ft
635E8115	1.5" Rigid Conduit, Schedule 40	280	Ft
635E8120	2" Rigid Conduit, Schedule 40	11,640	Ft
635E8130	3" Rigid Conduit, Schedule 40	1,560	Ft
635E8140	4" Rigid Conduit, Schedule 40	50	Ft
635E8215	1.5" Rigid Conduit, Schedule 80	20	Ft
635E8220	2" Rigid Conduit, Schedule 80	70	Ft
635E8230	3" Rigid Conduit, Schedule 80	2,090	Ft
635E8410	1/2" Innerduct, SDR 13.5	22,320	Ft
635E8420	1.5" Innerduct, SDR 13.5	120	Ft
635E8830	2/2/2/4 Aluminum Wire	17,660	Ft
635E9012	1/C #2 AWG Copper Wire	1,055	Ft
635E9014	1/C #4 AWG Copper Wire	240	Ft
635E9020	1/C #10 AWG Copper Wire	7,460	Ft
635E9302	2/C #14 AWG IMSA Copper Cable, K1	85	Ft
635E9304	4/C #14 AWG IMSA Copper Cable, K1	425	Ft
635E9305	5/C #14 AWG IMSA Copper Cable, K1	355	Ft
635E9307	7/C #14 AWG IMSA Copper Cable, K1	120	Ft
635E9325	25/C #14 AWG IMSA Copper Cable, K1	1,400	Ft
635E9710	2/C #10 AWG Copper Pole and Bracket Cable	4,040	Ft
635E9800	Preemption Cable	2,790	Ft

PAVEMENT MARKINGS – Section M

Bid Item Number	Item	Quantity	Unit
633E0010	Cold Applied Plastic Pavement Marking, 4"	19,029	Ft
633E1400	Pavement Marking Paint, 4" White	3,076	Ft
633E1405	Pavement Marking Paint, 4" Yellow	1,177	Ft
633E1415	Pavement Marking Paint, 8" Yellow	1,590	Ft
633E1430	Pavement Marking Paint, 24" White	1,083	Ft
633E1435	Pavement Marking Paint, 24" Yellow	129	Ft
633E1440	Pavement Marking Paint, Area	869	SqFt
633E1445	Pavement Marking Paint, Arrow	24	Each
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	19,029	Ft

PERMANENT SIGNING – Section S

Bid Item Number	Item	Quantity	Unit
110E5020	Salvage Traffic Sign	9	Each
632E0010	1.25' Diameter Breakaway Support Concrete Footing	40.0	Ft
632E0014	1.75' Diameter Breakaway Support Concrete Footing	16.0	Ft
632E1235	W6x20 Steel Post	50.0	Ft
632E1320	2.0"x2.0" Perforated Tube Post	261.1	Ft
632E1340	2.5"x2.5" Perforated Tube Post	105.8	Ft
632E3115	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity	85.0	SqFt
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	264.6	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	131.6	SqFt
632E3520	Remove, Salvage, Relocate, and Reset Traffic Sign	1	Each

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(103)417	A3	A5

Plotting Date: 1/9/2015

ENVIRONMENTAL COMMITMENTS

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

COMMITMENT A: WETLANDS

Approximately 0.82 acres of wetlands will be permanently impacted by the project. These unavoidable impacts to wetlands shall be mitigated on-site, off-site of the project, through an approved wetland mitigation bank site, through In Lieu Fee wetland program at the time of construction.

Table of Impacted Wetlands

Wetland No.	Type	Station	Impact (Acres)	Temporary Impact (Acres)	Total Impact (Acres)
3	Depression	743+00 to 743+80	0.37	0.03	0.40
4	Depression	755+00 to 755+30	0.17	0.02	0.19
19	Depression	781+80 to 782+20	0.28	0.02	0.30
		Total:	0.82	0.07	0.89

Action Taken/Required:

SDDOT will utilize 0.94 FCU credits from the Tetonka wetland mitigation bank site as mitigation.

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

A mitigation plan has been provided by the SDDOT Environmental Office. A monitoring plan has been included and responsibilities are accounted for. The contact person is the Environmental Project Scientist of the SDDOT Environmental Office at 605-773-3268.

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B4: BALD EAGLE

Bald eagles are known to occur in this area.

Action Taken/Required:

If a nest is observed within one mile of the project site, notify the Project Engineer immediately so that he/she can consult with the Environmental Office for an appropriate course of action.

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 E: STORM WATER

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

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.

FOR BIDDING PURPOSES ONLY

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COMMITMENT E: STORM WATER CONT.

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

SDDOT: <http://sddot.com/transportation/highways/environmental/stormwater/Default.aspx>

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

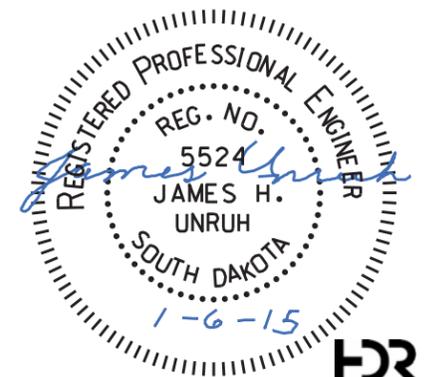
EPA: http://cfpub.epa.gov/npdes/home.cfm?program_id=6

Contractor Certification Form:

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

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

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



COMMITMENT H: WASTE DISPOSAL SITE

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

Action Taken/Required:

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

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

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

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

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

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

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

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

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES FOR BIDDING PURPOSES ONLY

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all designated option borrow 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.

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COMMITMENT N: SECTION 404 PERMIT

The SDDOT has applied for 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 application and the permit, when issued. The contractor shall avoid installation of box culverts and grading within the wetland areas until the permit is issued.

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.

