

STATE OF SOUTH DAKOTA **FOR BIDDING PURPOSES ONLY**
 DEPARTMENT OF TRANSPORTATION
 PLANS FOR PROPOSED

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH0016(84)67	1	388
PLOTING DATE: 08-17-16			

PROJECT NH 0016(84)67
US HIGHWAY 16
PENNINGTON COUNTY

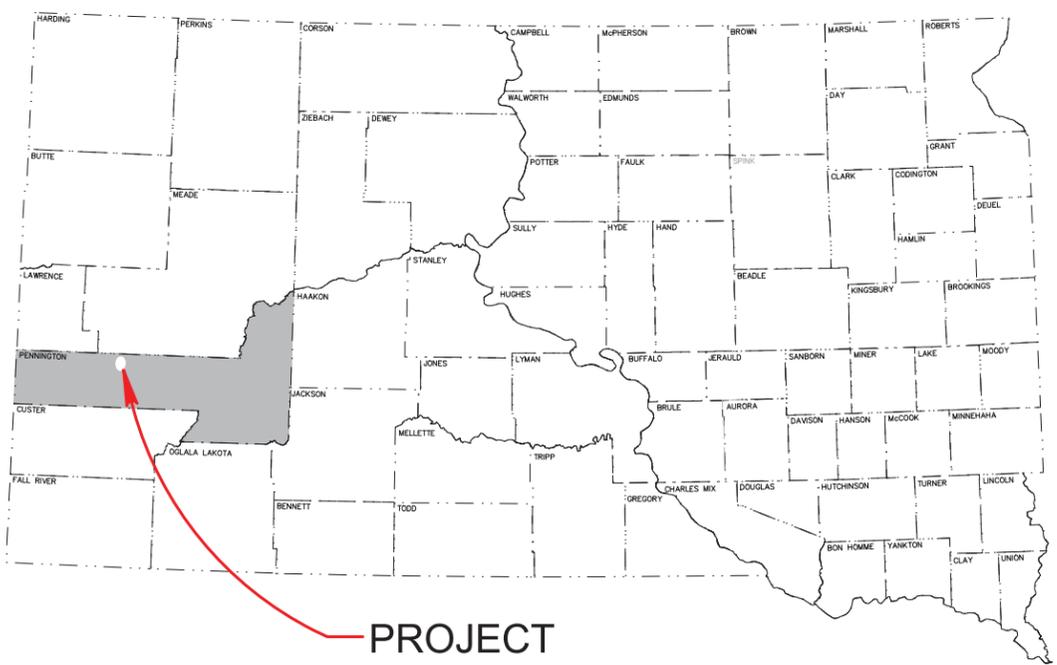
GRADING, PCC PAVEMENT, C&G,
 STORM SEWER, LIGHTING & SIGNALS
 PCN 049F

INDEX OF SECTIONS

- Section A: Estimate of Quantities
- Section B: Grading Plans
- Section C: Traffic Control Plans
- Section D: Erosion And Sediment Control Plans
- Section F: Surfacing Plans
- Section G: to Section K: Special Sections
- Section L: Signal and Lighting Plans
- Section M: Pavement Marking Plans
- Section S: Permanent Signing Plans
- Section X: Cross Sections

END NH 0016(84)67

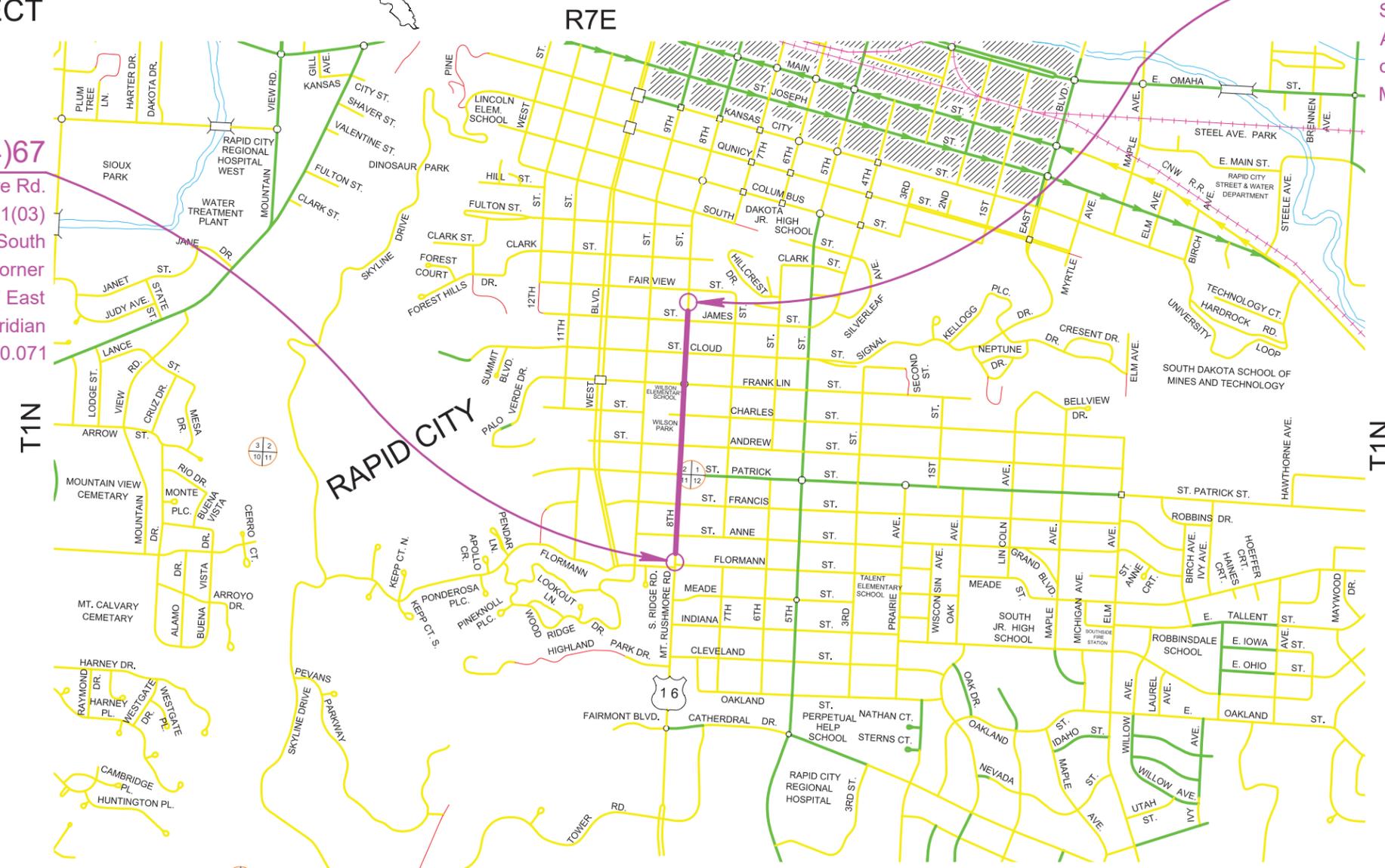
Mt. Rushmore Rd.
 Station 66+91.79 = 1311+35.9 on U017-1(03)
 Approximately 279 feet North of intersection
 of St. Cloud Street and US Hwy 16
 MRM = 68.19+.053



PROJECT

BEGIN NH 0016(84)67

Mt. Rushmore Rd.
 Station 34+10.44 = 1276+42.6 on U017-1(03)
 Approximately 1116 feet South
 and 198 feet West of the Southeast corner
 of Section 2, Township 1 North - Range 7 East
 of the Black Hills Meridian
 MRM = 67.63 + 0.071



CIVIL PLANS PREPARED BY:



Civil Engineering • Water Resources • Transportation • Land Surveying • GIS
 729 East Watertown St, Rapid City, SD 57701 ~ Phone: (605) 343-3311

ELECTRICAL PLANS PREPARED BY:



DESIGN DESIGNATION

ADT (2014)	24535
ADT (2039)	47230
DHV	7179
D	51%
T DHV	2.0%
T ADT	4.5%
V	35 mph

STORM WATER PERMIT

Major Receiving
 Body of Water: Rapid Creek
 Area Disturbed: 9 Acres
 Total Project Area: 10 Acres
 Approx. Begin Lat/Long 44.04646/103.2324

GROSS LENGTH	3281.35 FEET	0.621 MILES
LENGTH OF EXCEPTIONS	0.00 FEET	0.000 MILES
NET LENGTH	3281.35 FEET	0.621 MILES

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ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0016(84)67	A1	A5

Grading – Section B

Grading – Section B (Cont'd)

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BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	3.223	Mile
009E3250	Miscellaneous Staking	0.852	Mile
009E3280	Slope Staking	0.852	Mile
009E3290	Structure Staking	13	Each
009E3300	Three Man Survey Crew	100.0	Hour
009E4300	Construction Schedule, Category III	Lump Sum	LS
009E4330	Project Management, Category III	Lump Sum	LS
100E0020	Clear and Grub Tree	8	Each
100E0100	Clearing	Lump Sum	LS
110E0300	Remove Concrete Curb and/or Gutter	3,353	Ft
110E0340	Remove Asphalt Concrete Curb	226	Ft
110E0400	Remove Drop Inlet	37	Each
110E0460	Remove Manhole	18	Each
110E1010	Remove Asphalt Concrete Pavement	8,537.7	SqYd
110E1100	Remove Concrete Pavement	21,812.0	SqYd
110E1130	Remove Concrete Driveway Pavement	1,915.8	SqYd
110E1140	Remove Concrete Sidewalk	4,989.9	SqYd
110E1300	Remove Concrete Retaining Wall	261.2	Ft
120E0010	Unclassified Excavation	12,912	CuYd
120E0600	Contractor Furnished Borrow Excavation	805	CuYd
120E0900	Contaminated Material Excavation	100	CuYd
* 120E2000	Undercutting	58	CuYd
120E2000	Undercutting	10,194	CuYd
120E6100	Water for Embankment	138.0	MGal
205E0010	Dust Control Chloride	500	Lb
250E0020	Incidental Work, Grading	Lump Sum	LS
270E0020	Salvage and Stockpile Asphalt Mix Material	2,991.0	Ton
380E3540	8" PCC Approach Pavement	1,663.1	SqYd
380E3542	8" Fast Track Concrete Approach Pavement	577.8	SqYd
380E4010	6" PCC Fillet Section	13.0	SqYd
380E4090	10" PCC Fillet Section	685.5	SqYd
420E0300	Structure Excavation, Retaining Wall	100	CuYd
421E0100	Pipe Culvert Undercut	100	CuYd
450E0123	18" RCP Class 3, Furnish	2,666	Ft
450E0130	18" RCP, Install	2,666	Ft
450E0143	24" RCP Class 3, Furnish	1,186	Ft
450E0150	24" RCP, Install	1,186	Ft
450E0162	30" RCP Class 2, Furnish	926	Ft
450E0170	30" RCP, Install	926	Ft
450E0182	36" RCP Class 2, Furnish	252	Ft
450E0190	36" RCP, Install	252	Ft
450E0192	42" RCP Class 2, Furnish	70	Ft
450E0200	42" RCP, Install	70	Ft

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
450E0202	48" RCP Class 2, Furnish	112	Ft
450E0210	48" RCP, Install	112	Ft
450E0408	18" RCP Bend, Furnish	4	Each
450E0409	18" RCP Bend, Install	4	Each
450E0428	36" RCP Bend, Furnish	2	Each
450E0429	36" RCP Bend, Install	2	Each
450E0700	RCP Tee, Furnish	11	Each
450E0701	RCP Tee, Install	11	Each
450E0900	RCP Cross, Furnish	2	Each
450E0901	RCP Cross, Install	2	Each
450E1400	RCP Reducer, Furnish	1	Each
450E1401	RCP Reducer, Install	1	Each
450E2400	RCP Arch to Round Transition Furnish	1	Each
450E2401	RCP Arch to Round Transition Install	1	Each
450E3042	42" RCP Arch Class 2, Furnish	266	Ft
450E3050	42" RCP Arch, Install	266	Ft
450E8450	Storm Sewer Video Inspection	3,840	Ft
451E0514	4" PVC Pipe	6	Ft
451E0516	6" PVC Pipe	24	Ft
451E0522	12" PVC Pipe	38	Ft
462E0100	Class M6 Concrete	153.2	CuYd
464E0100	Controlled Density Fill	50.0	CuYd
470E0020	Pipe Handrail	162.0	Ft
470E0040	Steel Pedestrian Railing	135.0	Ft
480E0100	Reinforcing Steel	27,866	Lb
480E0200	Epoxy Coated Reinforcing Steel	100	Lb
530E0310	Special Type C Concrete Retaining Wall	2,014	SqFt
600E0200	Type II Field Laboratory	1	Each
* 650E0060	Type B66 Concrete Curb and Gutter	26	Ft
650E0060	Type B66 Concrete Curb and Gutter	3,034	Ft
650E0100	Type B610 Concrete Curb and Gutter	7,011	Ft
650E1100	Type F610 Concrete Curb and Gutter	52	Ft
650E2100	Special Concrete Curb and Gutter	457	Ft
* 650E4660	Type P6 Concrete Gutter	72	Ft
650E4660	Type P6 Concrete Gutter	543	Ft
650E4700	Type P10 Concrete Gutter	408	Ft
650E6280	8" Concrete Valley Gutter	49.2	SqYd
651E0040	4" Concrete Sidewalk	37,293	SqFt
651E0160	6" Reinforced Concrete Sidewalk	751	SqFt
651E0540	4" Colored Concrete Sidewalk	20,988	SqFt
651E0760	6" Reinforced Colored Concrete Sidewalk	438	SqFt
651E7000	Type 1 Detectable Warnings	630	SqFt
670E1200	Type B Frame and Grate Assembly	97	Each
670E3300	Type E Frame and Grate	4	Each

INDEX OF SHEETS

A1	Estimate of Quantities for Section B
A2	Estimate of Quantities for Sections C, D & F
A3	Estimate of Quantities for Sections L, M & S
A4 to A5	Environmental Commitments

Grading – Section B (Cont'd)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
670E5340	4' x 11' Precast Concrete Type S Drop Inlet Lid	3	Each
670E5342	4' x 6' Precast Concrete Type S Drop Inlet Lid	1	Each
670E5400	Precast Drop Inlet Collar	101	Each
671E5502	2" Adjusting Ring for Manhole	3	Each
671E6010	Type A10 Manhole Frame and Lid	1	Each
680E0040	4" Underdrain Pipe	240	Ft
680E2500	Porous Backfill	16.5	Ton
900E0900	Curb Stop	12	Each
900E5145	Bollard	4	Each
900E5410	Modify Sprinkler System	Lump Sum	LS

* - Denotes Non-Participating

SPECIFICATIONS

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

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

Rev 9/09/16 by

STATE OF SOUTH DAKOTA

PROJECT

SHEET

TOTAL SHEETS

FOR BIDDING PURPOSES ONLY

NH 0016(84)67

A2

A5

Traffic Control – Section C

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	12,000.0	Hour
634E0020	Pilot Car	100.0	Hour
634E0110	Traffic Control Signs	1,441.3	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0130	Traffic Control Supervisor	400.0	Day
634E0285	Type 3 Barricade, 8' Double Sided	66	Each
634E0330	Temporary Raised Pavement Markers	13,600	Ft
634E0380	Tubular Marker	315	Each
634E0420	Type C Advance Warning Arrow Board	4	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	3,000	Ft
634E0640	Temporary Pavement Marking	55,000	Ft
634E0900	Portable Temporary Traffic Control Signal	4	Unit
634E0915	Short Term Temporary Traffic Control Signal	1	Site
634E1002	Detour Signing	169.0	SqFt
634E1020	Temporary Business Signing	1,478.4	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
634E1255	Contractor Furnished Speed Monitoring Radar Trailer	2	Each
634E2000	Longitudinal Pedestrian Barricade	1,000	Ft
634E2050	Temporary Sidewalk	4,000	SqFt
900E1080	Orange Plastic Safety Fence	2,500	Ft

Erosion and Sediment Control – Section D

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	38.0	CuYd
110E1693	Remove Erosion Control Wattle	75	Ft
110E1695	Remove Sediment Filter Bag	1,119	Ft
110E1697	Remove Triangular Silt Barrier	309	Ft
110E1700	Remove Silt Fence	796	Ft
120E6300	Water for Vegetation	50.0	MGal
230E0020	Contractor Furnished Topsoil	372	CuYd
731E0100	Fertilizing	70	Lb
733E0100	Sodding	2,603	SqYd
734E0042	Soil Stabilizer	700.0	SqYd
734E0154	12" Diameter Erosion Control Wattle	300	Ft
734E0165	Remove and Reset Erosion Control Wattle	75	Ft
734E0180	Sediment Filter Bag	4,416	Ft
734E0425	Triangular Silt Barrier	1,235	Ft
734E0604	High Flow Silt Fence	3,184	Ft
734E0610	Mucking Silt Fence	221	CuYd
734E0620	Repair Silt Fence	796	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	138	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	109	Ft
734E3100	Portable Sediment Containment System	1	Each
734E5000	Dewatering	100	Hour
734E5010	Sweeping	250	Hour
900E1320	Construction Entrance	8	Each

Surfacing – Section F

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3320	Checker	Lump Sum	LS
* 120E6200	Water for Granular Material	0.7	MGal
120E6200	Water for Granular Material	276.5	MGal
* 260E2010	Gravel Cushion	62.0	Ton
260E2010	Gravel Cushion	23,124.3	Ton
* 320E1200	Asphalt Concrete Composite	31.2	Ton
320E1200	Asphalt Concrete Composite	2,000.4	Ton
320E2000	Maintenance Patching	100.0	Ton
380E0090	10" Nonreinforced PCC Pavement	15,404.4	SqYd
380E0090	10" Nonreinforced PCC Pavement	1,548.7	SqYd
380E2574	4" Barrier Type Colored and Patterned Median PCC Pavement	227.8	SqYd
380E3040	8" PCC Driveway Pavement	755.2	SqYd
380E5010	Fast Track Concrete	2,247.1	SqYd
380E6000	Dowel Bar	9,858	Each
380E6110	Insert Steel Bar in PCC Pavement	188	Each
380E9010	Temporary Gravel Crossing	6	Each
831E0300	Reinforcement Fabric (MSE)	5,324	SqYd
900E1350	Temporary Surfacing	3,000.0	SqFt

* - Denotes Non-Participating

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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STATE OF
SOUTH
DAKOTA

PROJECT

NH 0016(84)67

SHEET

A3

TOTAL
SHEETS

A5

Signal & Lighting – Section L

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1520	Remove Signal Equipment	Lump Sum	LS
110E1530	Remove Signal Pole Footing	10	Each
110E1540	Remove Luminaire Pole Footing	11	Each
110E1570	Remove Pedestrian Push Button Pole	2	Each
110E5100	Salvage Luminaire Pole	11	Each
110E5110	Salvage Signal Equipment	Lump Sum	LS
250E0010	Incidental Work	Lump Sum	LS
* 635E0770	Fixed Base Luminaire Pole with Top Mount, 20' Mounting Height	1	Each
635E0900	Decorative Luminaire Pole	14	Each
635E0910	Decorative Luminaire Arm	14	Each
635E2360	Decorative Signal Pole with 15' Mast Arm and Luminaire Arm	2	Each
635E2364	Decorative Signal Pole with 25' Mast Arm and Luminaire Arm	2	Each
635E2368	Decorative Signal Pole with 40' Mast Arm and Luminaire Arm	2	Each
635E2372	Decorative Signal Pole with 50' Mast Arm and Luminaire Arm	2	Each
* 635E3383	Post Top Luminaire, 250 Watt with Photoelectric Cell	1	Each
635E3450	Decorative Luminaire, 150 Watt with Photoelectric Cell	14	Each
635E3460	Decorative Luminaire, 400 Watt with Photoelectric Cell	22	Each
635E4030	3 Section Vehicle Signal Head	26	Each
635E4040	4 Section Vehicle Signal Head	4	Each
* 635E5020	2' Diameter Footing	6.0	Ft
635E5020	2' Diameter Footing	112.0	Ft
635E5030	3' Diameter Footing	94.0	Ft
* 635E5301	Type 1 Electrical Junction Box	1	Each
635E5302	Type 2 Electrical Junction Box	30	Each
635E5303	Type 3 Electrical Junction Box	8	Each
635E5304	Type 4 Electrical Junction Box	5	Each
* 635E5400	Electrical Service Cabinet	3	Each
635E5400	Electrical Service Cabinet	4	Each
635E5430	Traffic Signal Controller	2	Each
635E5515	Signal Head Battery Backup and Flash System	2	Each
635E5530	Preformed Detector Loop	30	Each
635E5550	Detector Unit	10	Each
635E5562	Siren Emergency Vehicle Preemption System	2	Each
635E5900	Pedestrian Push Button	16	Each
635E5910	Pedestrian Push Button Pole	16	Each
635E5922	Pedestrian Signal Head with Countdown Timer	16	Each
635E5930	Pedestrian Crossing Sign	16	Each
635E6200	Miscellaneous, Electrical	Lump Sum	LS
* 635E8120	2" Rigid Conduit, Schedule 40	535	Ft
635E8120	2" Rigid Conduit, Schedule 40	8,625	Ft
635E8140	4" Rigid Conduit, Schedule 40	50	Ft

Signal & Lighting – Section L (Cont'd)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
635E8220	2" Rigid Conduit, Schedule 80	1,255	Ft
635E8230	3" Rigid Conduit, Schedule 80	760	Ft
* 635E9012	1/C #2 AWG Copper Wire	1,365	Ft
635E9012	1/C #2 AWG Copper Wire	2,700	Ft
635E9014	1/C #4 AWG Copper Wire	380	Ft
* 635E9016	1/C #6 AWG Copper Wire	2,940	Ft
635E9016	1/C #6 AWG Copper Wire	19,220	Ft
* 635E9018	1/C #8 AWG Copper Wire	13,955	Ft
* 635E9020	1/C #10 AWG Copper Wire	605	Ft
635E9020	1/C #10 AWG Copper Wire	11,950	Ft
635E9504	4/C #14 AWG Copper Tray Cable, K2	3,735	Ft
635E9507	7/C #14 AWG Copper Tray Cable, K2	890	Ft
635E9524	24/C #14 AWG Copper Tray Cable, K2	1,260	Ft
635E9600	#16 AWG Copper Twisted Shielded Pair	1,665	Ft
* 635E9710	2/C #10 AWG Copper Pole and Bracket Cable	25	Ft
635E9710	2/C #10 AWG Copper Pole and Bracket Cable	1,235	Ft
635E9948	48 Strand Fiber Optic Cable	5,535	Ft

* - Denotes Non-Participating

Pavement Marking – Section M

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	6,572	Ft
633E0030	Cold Applied Plastic Pavement Marking, 24"	1,789	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	42	Each
633E1400	Pavement Marking Paint, 4" White	374	Ft
633E1460	Pavement Marking Paint, Symbol	1	Each
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	6,572	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	1,789	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	42	Each

Permanent Signing – Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E5020	Salvage Traffic Sign	101	Each
632E1320	2.0"x2.0" Perforated Tube Post	577.0	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	508.2	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	168.5	SqFt
632E3520	Remove, Salvage, Relocate, and Reset Traffic Sign	15	Each

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0016(84)67	A4	A5

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 shall 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.

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

Rapid Creek is classified as a cold water permanent fishery with a Surface Water Discharge standard of 30 milligrams/liter total suspended solids.

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 and/or work in a waterway.

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) shall 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 shall 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 Environment 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 shall 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 shall 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

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: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor shall arrange and pay for a cultural resource survey and/or records search. The Contractor has the option to contact the state

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	NH 0016(84)67	A5	A5

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 shall 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 shall 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 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 shall provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

COMMITMENT K: RAPID CITY AREA AIR QUALITY CONTROL ZONE

Administrative Rule of South Dakota (ARSD) 74:36:18:03 states that "no state facility or state contractor may engage in any construction activity or continuous operation activity within the Rapid City air quality control zone which may cause fugitive emissions of particulate to be released into the ambient air without first obtaining a permit issued by the board or the secretary."

Construction activity is defined as any temporary activity at a state facility, which involves the removal or alteration of the natural or pre-existing cover of one acre or more of land. One acre of surface area is based on a cumulative area of disturbance to be completed for the entire project. Construction activity shall include, but not be limited to, stripping of topsoil, drilling, blasting, excavation, dredging, ditching, grading, street maintenance and repair, or earth moving. Construction activity is generally completed within one year. It also includes stockpiles, access roads, and disposal areas. An off-site disposal area of excess material shall require an additional permit.

Action Taken/Required:

In order to be considered eligible for authorization to conduct a construction activity under the terms and conditions of this permit, the owner operator

must submit a Notice of Intent (NOI) form. The form must be submitted to the address below at least seven business days prior to the anticipated date of beginning the construction activity.

South Dakota Department of Environment and Natural Resources Air Quality Program
523 East Capitol, Joe Foss Building
Pierre, SD 57501-3181
Phone: 605-773-3151

The permit requires the Contractor to use reasonably available technology to control fugitive dust emissions. The Contractor is required to use control measures for track out, paved areas, unpaved roads, unpaved parking lots, disturbed areas, and for material handling and storage. The control measures that the Contractor is required to use are listed in the permit.

COMMITMENT L: CONTAMINATED MATERIAL

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

Description	Station	L / R
Corner Pantry (Conoco)	45+00 to 46+50	R
Loaf N Jug	52+25 to 54+00	L
Big D (Sinclair)	56+00 to 57+75	L

Action Taken/Required:

The Contractor shall give notice to the Engineer when contaminated soil is encountered on the project. The Engineer shall 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 Rapid City Regional Landfill (phone 605-355-3496). 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 shall 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.