

STATE OF SOUTH DAKOTA	PROJECT P 2255(09)	SHEET 1	TOTAL SHEETS 194
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FOR BIDDING PURPOSES ONLY



PROJECT LOCATION

STATE OF SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
PROJECT NO. P 2255(09)
ROOSEVELT STREET FROM 8TH AVE. NE
to FAIRGROUNDS ROAD
ABERDEEN, SOUTH DAKOTA
GRADING, CURB & GUTTER, SIDEWALK, STORM SEWER,
LIGHTING, & PCCP
PCN 01D5

INDEX OF SECTIONS

- Section A: Estimate of Quantities
- Section B: Grading Plans
- Section C: Traffic Control Plans
- Section D: Erosion Control Plans
- Section F: Surfacing Plans
- Section L: Signal & Lighting Plans
- Section M: Pavement Marking Plans
- Section X: Cross Sections

DESIGN DESIGNATION

ADT (2013)	6485
ADT (2033)	8365
DHV	940
D	50%
T DHV	1.7%
T*ADT	3.7%
V	35 MPH

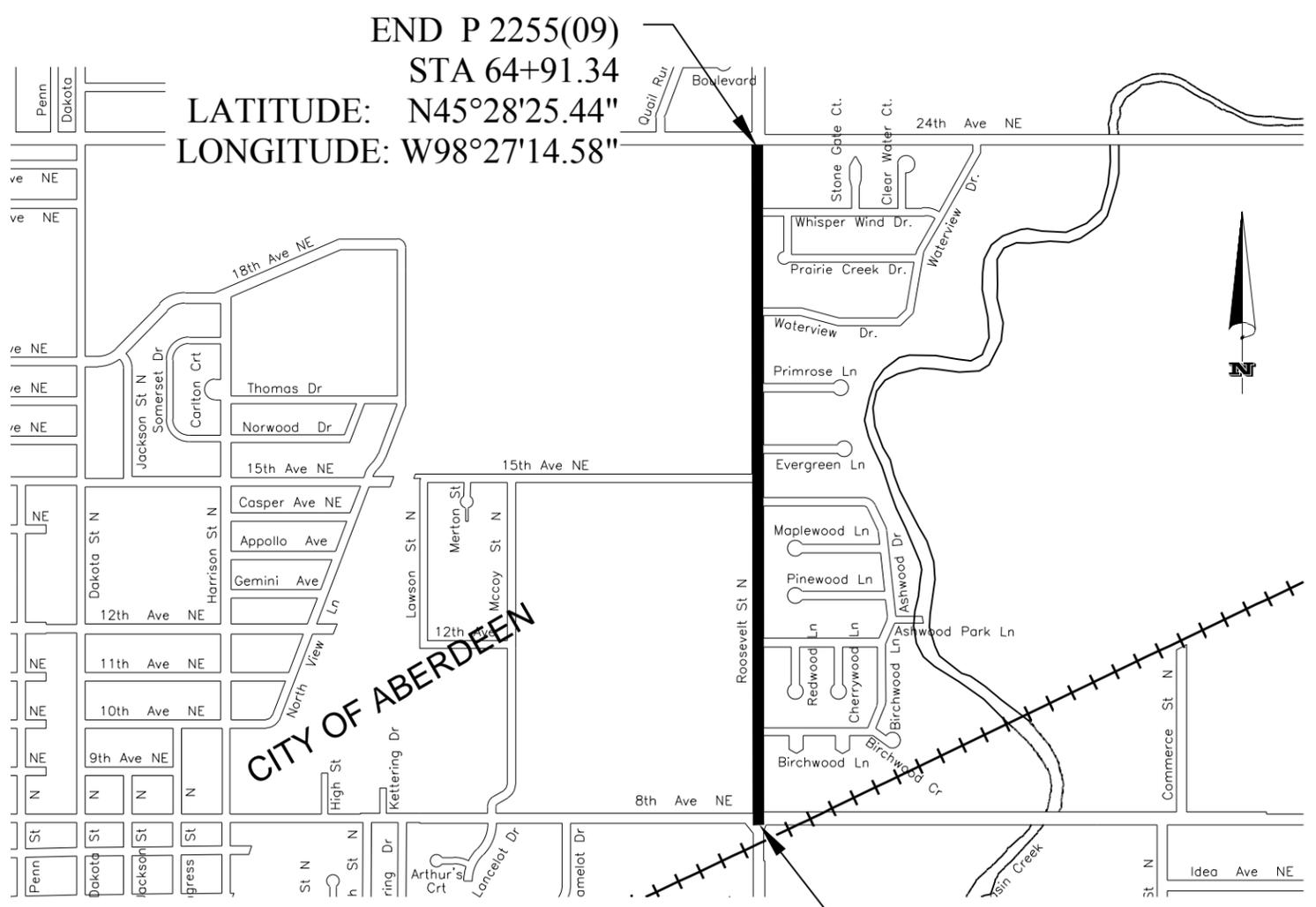
STORM WATER PERMIT

MAJOR STREAM:	MOCCASIN CREEK
PROJECT AREA:	10 ACRES
AREA DISTURBED:	8 ACRES

GROSS LENGTH	5218.71	FEET	0.99	MILES
LENGTH OF EXCEPTIONS	----	FEET	----	MILES
NET LENGTH	----	FEET	----	MILES
LENGTH OF GRADING	----	FEET	----	MILES

SCALES

PLAN	1"=40'
PROFILE	1"=40' HORIZONTAL 1"=10' VERTICAL
CROSS SECTIONS	1"=20' HORIZONTAL 1"=10' VERTICAL



END P 2255(09)
STA 64+91.34
LATITUDE: N45°28'25.44"
LONGITUDE: W98°27'14.58"

BEGIN P2255(09)
STA 12+72.63
LATITUDE: N45°29'16.97"
LONGITUDE: W98°27'14.74"

LOCATION MAP



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Z:\2009 PROJECTS\09096 ROOSEVELT STREET\DESIGN\SECTION A\SECTION TITLE SHEET.DWG 10/16/2013 11:30 AM

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EOE

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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Revised Feb. 20, 2014 by JWD

Grading – Section B

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	2.964	Mile
009E3250	Miscellaneous Staking	0.988	Mile
009E3280	Slope Staking	0.988	Mile
009E3300	Three Man Survey Crew	40	Hour
100E0100	Clearing	Lump Sum	LS
110E0300	Remove Concrete Curb and Gutter	722	Ft
120E0010	Unclassified Excavation	24,970	CuYd
120E0600	Contractor Furnished Borrow	1939	CuYd
120E2000	Undercutting	9,850	CuYd
120E6100	Water for Embankment	175.2	MGal
250E0010	Incidental Work	Lump Sum	LS
270E0040	Salvage and Stockpile Asphalt Mix and Granular Base Material	11,480.3	Ton
380E4050	8" PCC Fillet Section	1094.5	SqYd
450E0102	12" RCP Class 2, Furnish	1390	Ft
450E0110	12" RCP, Install	1390	Ft
450E0112	15" RCP Class 2, Furnish	1338	Ft
450E0120	15" RCP, Install	1338	Ft
450E0122	18" RCP Class 2, Furnish	1468	Ft
450E0130	18" RCP, Install	1468	Ft
450E0142	24" RCP Class 2, Furnish	1812	Ft
450E0150	24" RCP, Install	1812	Ft
450E0162	30" RCP Class 2, Furnish	24	Ft
450E0170	30" RCP, Install	24	Ft
450E2000	12" RCP Flared End, Furnish	4	Each
450E2001	12" RCP Flared End, Install	4	Each
450E2008	18" RCP Flared End, Furnish	1	Each
450E2009	18" RCP Flared End, Install	1	Each
451E0606	6" PVC Water Main*	56	Ft
451E0610	10" PVC Water Main*	84	Ft
451E1008	8" PVC Sewer Pipe*	20	Ft
451E1015	15" PVC Sewer Pipe*	65	Ft
451E2700	Tapping Tee*	2	Each
451E3010	10" Pipe Bend*	2	Each
451E3106	6" Pipe Cap*	1	Each
451E3108	8" Pipe Cap*	1	Each
451E3110	10" Pipe Cap*	1	Each
451E3115	15" Pipe Cap*	1	Each
451E4206	6" Gate Valve with Box*	1	Each
451E4210	10" Gate Valve with Box*	1	Each
451E6080	Adjust Water Valve Box*	9	Each
451E6085	Extend Water Valve Box*	5	Each
451E6505	Adjust Fire Hydrant with Valve and Box	1	Each
470E0020	Pipe Handrail	96	Ft
530E0300	Type C Concrete Retaining Wall	132	SqFt
600E0200	Type II Field Laboratory	1	Each
650E0080	B68 Concrete Curb and Gutter	8937	Ft
650E4680	Type P8 Concrete Gutter	568	Ft
651E0040	4" Concrete Sidewalk	38,653	Sq.Ft.
651E7000	Type I Detectable Warnings	160	Sq.Ft.
670E1010	2' x 3' Type B Drop Inlet	23	Each
670E1025	4' x 4' Type B Drop Inlet	11	Each

Grading – Section B (Continued)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
670E1200	Type B Frame and Grate Assembly	34	Each
670E5202	Special Frame and Grate	26	Each
670E9010	Type I Drop Inlet	26	Each
671E0050	5' x 5' Junction Box	1	Each
671E1048	48" Manhole	12	Each
671E6035	Special Manhole Frame and Lid	13	Each
671E7010	Adjust Manhole	13	Each
900E0010	Refurbish Single Mailbox	8	Each

* Indicates items that are non-participating (not federally eligible).

Traffic Control – Section C

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
260E1010	Base Course	1550.5	Ton
632E3201	Flat Aluminum Sign, Nonremovable Copy Engineer Grade	18.0	SqFt
634E0010	Flagging	120	Hour
634E0100	Traffic Control	2479	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0420	Type C Advance Warning Arrow Panel	1	Each
831E0200	Woven Geotextile Separator	5,381	SqYd
900E2490	Blading	20	Hour

Erosion and Sediment Control – Section D

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	88	CuYd
110E1695	Remove Sediment Filter Bag	1482	Ft
110E1700	Remove Silt Fence	632	Ft
230E0010	Placing Topsoil	3475	CuYd
730E0206	Type D Permanent Seed Mixture	540	Lb
731E0200	Fertilizing	206	Lb
732E0250	Fiber Mulching	4129	Lb
734E0180	Sediment Filter Bag	1482	Ft
734E0604	High Flow Silt Fence	1266	Ft
734E0610	Mucking Silt Fence	44	CuYd
734E0620	Repair Silt Fence	158	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	32	Each
734E0855	Interim Sediment Control at Inlet	32	Each
734E5010	Sweeping	30	Hour
900E1320	Construction Entrance	4	Each

Surfacing – Section F

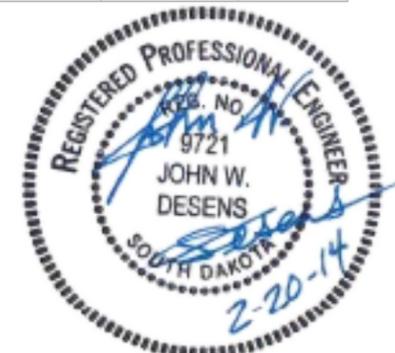
BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6200	Water for Granular Material	195.3	MGal
260E2010	Gravel Cushion	5234.3	Ton
260E2030	Gravel Cushion, Salvaged	11,480.3	Ton
260E3010	Gravel Surfacing	9.4	Ton
260E3030	Gravel Surfacing, Salvaged	39.2	Ton
270E0110	Salvage and Stockpile Granular Material	39.2	Ton
320E1200	Asphalt Concrete Composite	99.0	Ton
380E0050	8" Nonreinforced PCC Pavement	24,560.8	SqYd
380E3540	8" PCC Approach Pavement	512.6	SqYd
380E6000	Dowel Bar	16,258	Each
380E6110	Insert Steel Bar in PCC Pavement	49	Each
380E9000	Temporary Earth Crossing	8	Each
831E0200	Woven Geotextile Separator	29,904	SqYd

Signal & Lighting – Section L

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
635E0040	Breakaway Base Luminaire Pole with Arm 40' Mounting Height	27	Each
635E3340	Roadway Luminaire, 400 Watt with Photoelectric Cell	27	Each
635E5020	2' Diameter Footing	216	Ft
635E5400	Electrical Service Cabinet	2	Each
635E8020	2" Rigid Galvanized Steel Conduit	345	Ft
635E8120	2" Rigid Conduit, Schedule 40	4520	Ft
635E8220	2" Rigid Conduit, Schedule 80	590	Ft
695E9016	1/C #6 AWG Copper Wire	12,000	Ft
635E9020	1/C #10 AWG Copper Wire	6,000	Ft
635E9710	2/C #10 AWG Copper Pole and Bracket Cable	1,560	Ft

Pavement Marking – Section M

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	12,479	Ft
633E0030	Cold Applied Plastic Pavement Marking, 24"	25	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	48	Each
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	12,479	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	25	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	48	Each



INDEX OF SHEETS

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

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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SPECIFICATIONS

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

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 0.09 acres of wetlands will be impacted by the project. Refer to Section B – Grading Plans for location and boundaries of the impacted wetlands. These unavoidable impacts to wetlands shall be mitigated off-site of the project.

Table of Impacted Wetlands

Wetland No.	Type	Station	Impact Left (Acres)	Impact Right (Acres)	Temporary Impact (Acres)	Total Impact (Acres)
1	PEMC	53+72 to 55+40	0.04	0.05	0.00	0.09

Action Taken/Required:

A total of 0.18 acres of compensatory wetlands will be created off-site to account for project impacts to existing wetlands. The off-site wetland mitigation site will occur in the same watershed as impacted wetlands. The locations and boundaries of the mitigation site(s) will be determined as part of a larger wetland mitigation project.

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 B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pit, or staging site associated with the project, cease construction activities in the affected area until the Whooping Crane departs and contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

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.

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

Moccasin Creek is classified as warm water, marginal fishery with a Surface Water Discharge standard of 150 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

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.

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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COMMITMENT E: STORM WATER (Continued)

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 City 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.

COMMITMENT H: WASTE DISPOSAL SITE (Continued)

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

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.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES (Continued)

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 J: CONSTRUCTION PRACTICES FOR TEMPORARY WORKS IN WATERWAYS OF THE U.S.

The Contractor is advised that special construction measures have to be taken to ensure that the waterways of the U.S. are not impacted.

Action Taken/Required:

No excavation shall be made below the ordinary high water elevation in waterways outside of caissons, cribs, cofferdams, steel piling, or sheeting; and the natural streambed shall not be disturbed unless specified by the plans and under the observation of the Project Engineer. Refer to the Table of U.S. Waterways to Protect for ordinary high water elevations.

All dredged or excavated materials shall be placed at a site above the ordinary high water elevation in a confined area (not classified as a wetland) that is a minimum of 50 feet away from concentrated flows of storm water, drainage courses, and inlets to prevent return of such material to the waterway.

The construction of temporary work platforms, crossings, or berms below the ordinary high water elevation will be allowed provided that all material placed below the ordinary high water elevation consists of Class B or larger riprap.

All temporary caissons, cribs, cofferdams, steel piling, sheeting, work platforms, crossings, and berms shall be removed with minimal disturbance to the streambed. Proper construction practices shall be used to minimize increases in suspended solids and turbidity in the waterway.

Bridge berms, wing dams, traffic diversions, channel reconstruction, grading, etc. shall be constructed in close conformity with the plans to ensure that the hydraulic capacity of the waterway is not changed.

Temporary waterway crossings required for the Contractor's construction operations shall be constructed with an adequate drainage structure size and minimum fill height to reduce the potential for upstream flooding. The Contractor will be responsible for sizing the temporary drainage structure for these crossings.

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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.

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

Moccasin Creek is classified as warm water, marginal fishery with a Surface Water Discharge standard of 150 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

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.



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COMMITMENT E: STORM WATER (Continued)

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 City 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.

COMMITMENT H: WASTE DISPOSAL SITE (Continued)

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

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.

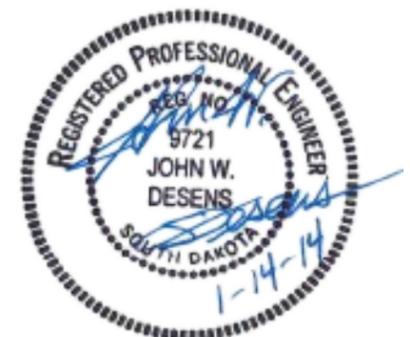
COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES (Continued)

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 J: CONSTRUCTION PRACTICES FOR TEMPORARY WORKS IN WATERWAYS OF THE U.S.

The Contractor is advised that special construction measures have to be taken to ensure that the waterways of the U.S. are not impacted.

Action Taken/Required:

No excavation shall be made below the ordinary high water elevation in waterways outside of caissons, cribs, cofferdams, steel piling, or sheeting; and the natural streambed shall not be disturbed unless specified by the plans and under the observation of the Project Engineer. Refer to the Table of U.S. Waterways to Protect for ordinary high water elevations.

All dredged or excavated materials shall be placed at a site above the ordinary high water elevation in a confined area (not classified as a wetland) that is a minimum of 50 feet away from concentrated flows of storm water, drainage courses, and inlets to prevent return of such material to the waterway.

The construction of temporary work platforms, crossings, or berms below the ordinary high water elevation will be allowed provided that all material placed below the ordinary high water elevation consists of Class B or larger riprap.

All temporary caissons, cribs, cofferdams, steel piling, sheeting, work platforms, crossings, and berms shall be removed with minimal disturbance to the streambed. Proper construction practices shall be used to minimize increases in suspended solids and turbidity in the waterway.

Bridge berms, wing dams, traffic diversions, channel reconstruction, grading, etc. shall be constructed in close conformity with the plans to ensure that the hydraulic capacity of the waterway is not changed.

Temporary waterway crossings required for the Contractors construction operations shall be constructed with an adequate drainage structure size and minimum fill height to reduce the potential for upstream flooding. The Contractor will be responsible for sizing the temporary drainage structure for these crossings.

