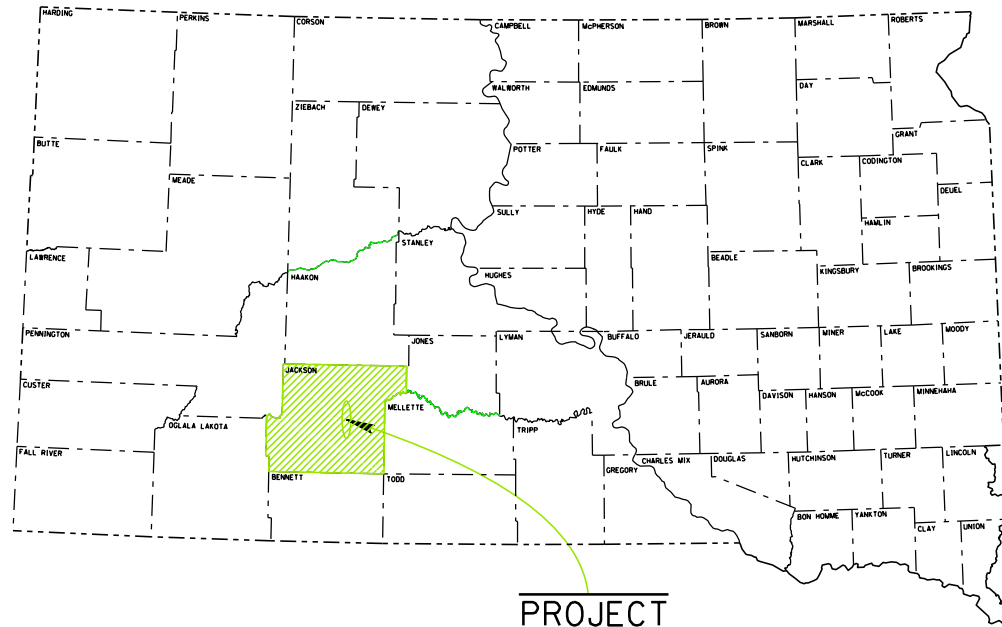
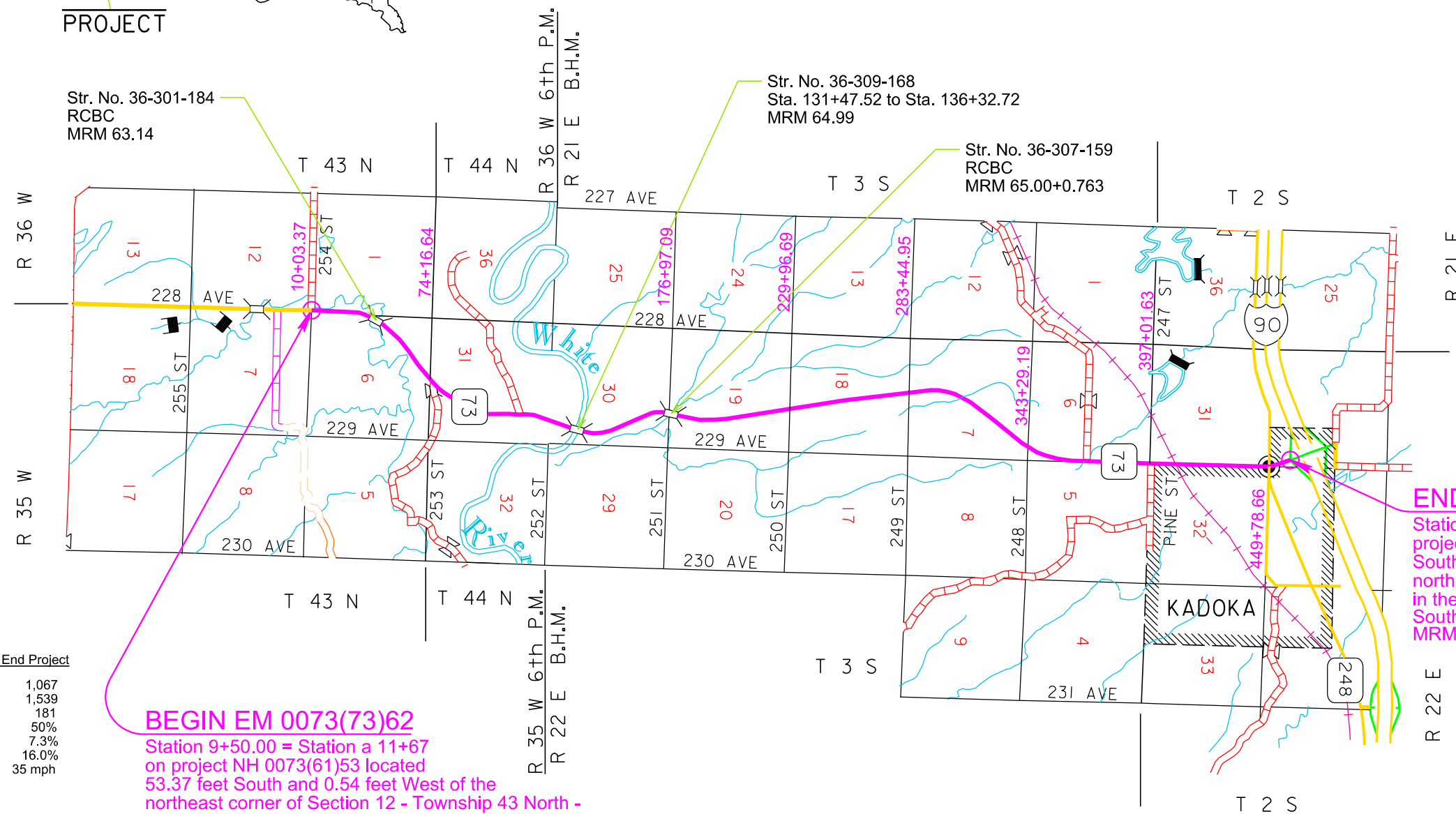


INDEX OF SECTIONS

Section A:	Estimate of Quantities and Environmental Commitments
Section C:	Traffic Control Plans
Section F:	Surfacing Plans



PROJECT



END EM 0073(73)62
Station 462+77.23 = Station g 22+56.56 on
project NH 0073(61)53 located 7.95 feet
South and 253.21 feet East of the
northeast corner of Lot B of Merchen Tract 1
in the SE1/4 SE1/4 of Section 30 - Township 2
South - Range 22 East of the B.H.M.
MRM 71.09+0.111

AADT (2023)	1,035	AADT (2023)	1,067
AADT (2043)	1,492	AADT (2043)	1,539
DHV	176	DHV	181
D	50%	D	50%
DHV T%	8.5%	DHV T%	7.3%
AADT T%	18.6%	AADT T%	16.0%
V	70 mph	V	35 mph

Major Receiving
Body of Water:White River
Area Disturbed: 0 Acres
Total Project Area: 47 Acres
Approx. Begin Lat,Long: 43.7226, -101.5417

BEGIN EM 0073(73)62
Station 9+50.00 = Station a 11+67
on project NH 0073(61)53 located
53.37 feet South and 0.54 feet West of the
northeast corner of Section 12 - Township 43 North -
Range 36 West of the 6th P.M.
MRM 62.00+0.399

Gross Length	45,327.23 Feet	8.585 Miles
Length of Exceptions	485.20 Feet	0.092 Miles
Net Length	44,842.03 Feet	8.493 Miles

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	EM 0073(73)62 & 248-391	A1	A3

REVISED 10/22/2025 - BAH

INDEX OF SHEETS

A1 Estimate of Quantities for - Sections C & F
A2 - A3 Environmental Commitments

PCN 05U4 Section C - Traffic Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E1200	High Build Waterborne Pavement Marking Paint, White	386	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	246	Gal
634E0010	Flagging	1,000.0	Hour
634E0020	Pilot Car	400.0	Hour
634E0110	Traffic Control Signs	447.8	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0630	Temporary Pavement Marking	34.0	Mile

PCN 05U4 Section F - Surfacing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3210	Construction Staking	8.493	Mile
009E3250	Miscellaneous Staking	8.493	Mile
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
009E3320	Checker	Lump Sum	LS
009E4200	Construction Schedule, Category II	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	3,555.6	SqYd
110E6410	Remove Type 1 MGS for Reset	262.5	Ft
110E6501	Remove Type 1 Retrofit Guardrail Transition for Reset	3	Each
110E6510	Remove Type 3 Guardrail Transition for Reset	1	Each
110E6619	Remove MGS MASH Tangent End Terminal for Reset	4	Each
120E0100	Unclassified Excavation, Digouts	425	CuYd
120E6200	Water for Granular Material	67.5	MGal
210E1005	Surface Preparation	2.000	Mile
260E1010	Base Course	2,653.3	Ton
260E1080	Base Course, Salvaged, State Furnished	1,215.0	Ton
260E3010	Gravel Surfacing	626.0	Ton
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	17.0	Mile
320E7028	Grind Centerline Rumble Stripe in Asphalt Concrete	7.0	Mile
320E7030	Grind Sinusoidal Centerline Rumble Stripe in Asphalt Concrete	0.9	Mile
330E0010	MC-70 Asphalt for Prime	68.7	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	157.8	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	44.3	Ton
330E1000	Blotting Sand for Prime	145.0	Ton
330E2000	Sand for Flush Seal	441.8	Ton
380E3040	8" PCC Driveway Pavement	290.0	SqYd
600E0300	Type III Field Laboratory	1	Each
630E5010	Reset Type 1 MGS	262.5	Ft
630E5204	Reset MGS MASH Tangent End Terminal	4	Each
630E5301	Reset Type 1 Retrofit Guardrail Transition	3	Each
630E5310	Reset Type 3 Guardrail Transition	1	Each
630E5500	Furnish Beam Guardrail Post and Block	25	Each
900E0022	Remove and Reset Mailbox	5	Each
900E1980	Storage Unit	1	Each

PCN 05U4 SECTION F ALTERNATE A

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
320E0005	PG 58-34 Asphalt Binder	2,407.7	Ton
320E1203	Class Q3R Hot Mixed Asphalt Concrete	52,830.5	Ton
320E4000	Hydrated Lime	532.0	Ton

PCN 05U4 SECTION F ALTERNATE B

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
320E0005	PG 58-34 Asphalt Binder	1,987.4	Ton
320E1203	Class Q3R Hot Mixed Asphalt Concrete	54,243.2	Ton
320E4000	Hydrated Lime	532.4	Ton

PCN i7YF SECTION F ALTERNATE A

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
* 320E0005	PG 58-34 Asphalt Binder	91.1	Ton
* 320E1400	Contractor Furnished Asphalt Concrete	2,000.0	Ton
* 320E4000	Hydrated Lime	19.8	Ton

* - Denotes Non-Participating

PCN i7YF SECTION F ALTERNATE B

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
* 320E0005	PG 58-34 Asphalt Binder	73.3	Ton
* 320E1400	Contractor Furnished Asphalt Concrete	2,000.0	Ton
* 320E4000	Hydrated Lime	19.8	Ton

* - Denotes Non-Participating

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 10-1-25 Version, Required Provisions, and Special Provisions as included in the Proposal. The Standard Specifications for Roads and Bridges is available for download and viewing at <https://dot.sd.gov/doing-business/contractors/standard-specifications>.

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	EM 0073(73)62 & 248-391	A2	A3

REVISED 10/22/2025 - BAH

ENVIRONMENTAL COMMITMENTS

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

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

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

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

COMMITMENT 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 pits, or staging areas associated with the project, cease construction activities in the affected area until the Whooping Crane departs and immediately contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

COMMITMENT C: WATER SOURCE

If a Contractor needs access to state waters for extraction, the Contractor must obtain a water right, through the application of a Temporary Permit to Use Public Waters before work begins.

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species (AIS) positive waters within South Dakota without prior approval from the SDDOT Environmental Office. To prevent and control the introduction and spread of invasive species into the project vicinity, all equipment will be power washed with hot water (≥140 °F) and completely dried for a minimum of 7 days prior to subsequent use. South Dakota administrative rule 41:10:04:02 forbids the possession and transport of AIS; therefore, all attached dirt, mud, debris and vegetation must be removed and all compartments and tanks capable of holding standing water must be drained. This includes, but is not limited to, all equipment, pumps, lines, hoses and holding tanks.

Action Taken/Required:

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Agriculture and Natural Resources (SDDANR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Temporary permit to use public waters for highway construction purposes application can be found on the SDDANR website:
<https://danr.sd.gov/OfficeOfWater/WaterRights/PermitForms/default.aspx>

Additional information and mapping of water sources impacted by Aquatic Invasive Species in South Dakota can be accessed at:
< <https://sdleastwanted.sd.gov/maps/default.aspx> >

< [South Dakota Administrative Rule 41:10:04 Aquatic Invasive Species:](https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04)
<https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04> >

COMMITMENT D: WATER QUALITY STANDARDS

COMMITMENT D1: SURFACE WATER QUALITY

This project may be in the vicinity of multiple streams and wetlands. These waters are considered waters of the state and are protected under Administrative Rules of South Dakota (ARSD) Chapter 74:51. Special construction measures may have to be taken to ensure that this water body is not impacted.

Action Taken/Required:

The Contractor is advised that the South Dakota Surface Water Quality Standards, administered by the South Dakota Department of Agriculture and Natural Resources (DANR), apply to this project. Special construction measures will be taken to ensure the above standard(s) of the surface waters are maintained and protected.

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

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.

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	EM 0073(73)62 & 248-391	A3	A3

REVISED 10/22/2025 - BAH

COMMITMENT H: WASTE DISPOSAL SITE

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

Action Taken/Required:

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

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

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

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

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

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

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

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

COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES

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

Action Taken/Required:

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

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

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

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

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities within 150 feet of the inadvertent discovery will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office, who will contact the appropriate SHPO/THPO within 48 hours of the discovery to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.