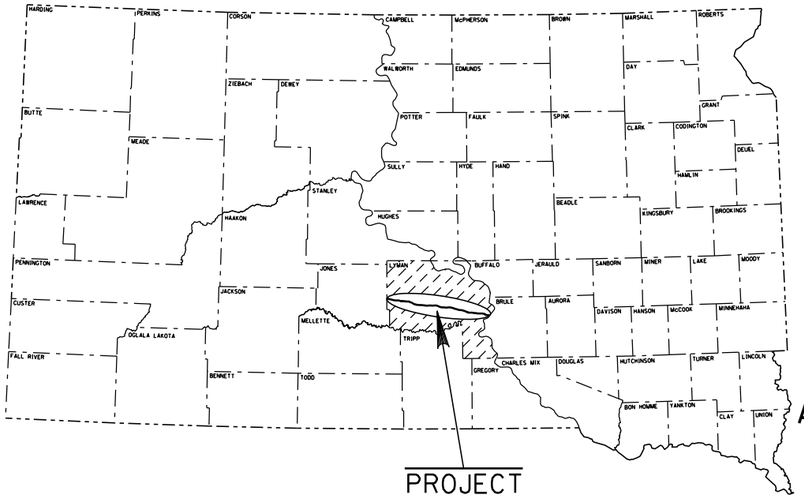
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0904(59)210	1	49

Plotting Date: 01/28/2016



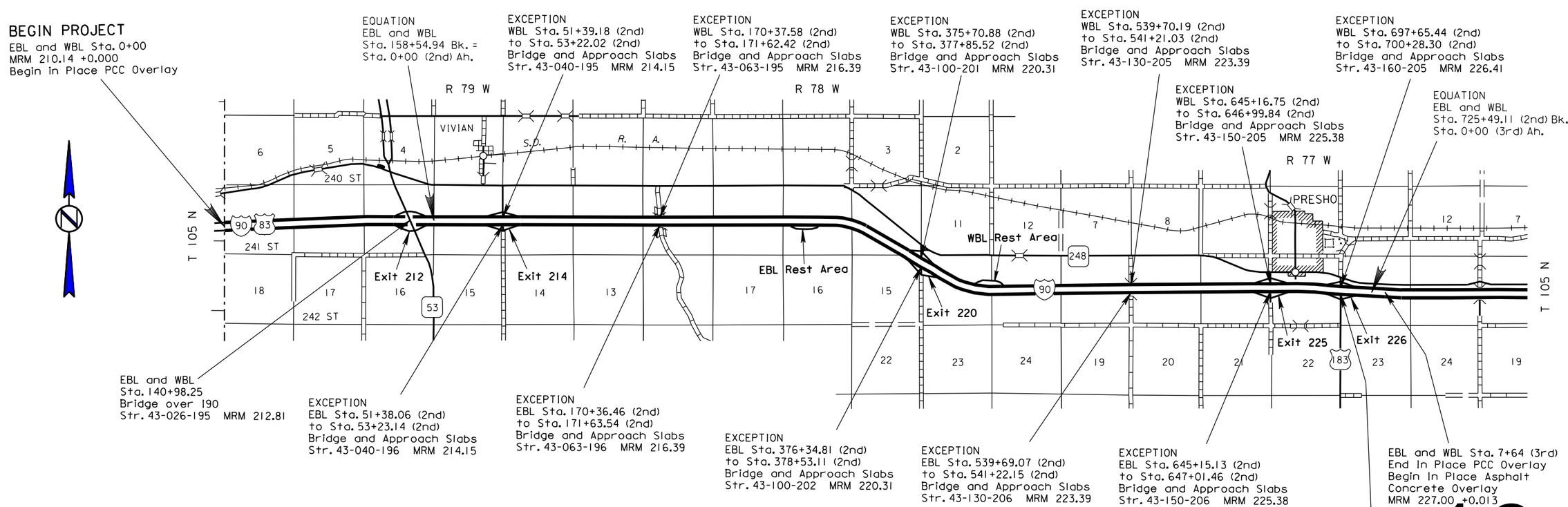
STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

IM 0904(59)210
INTERSTATE 90 EBL AND WBL
LYMAN COUNTY

ASPHALT CONCRETE SURFACING OF EB AND WB SHOULDERS,
ASPHALT SURFACE TREATMENT OF EB AND WB SHOULDERS,
RAMPS, & CROSSROADS AND JOINT RESEAL
PCN 04D4

INDEX OF SECTIONS

Section A: Estimate of Quantities and Enviromental Commitments
Section C: Traffic Control Plans
Section F: Surfacing Plans
Section M: Pavement Marking Plans



STORM WATER PERMIT

NONE REQUIRED

PROJECT AREA - 522 ACRES
LATITUDE = 43.9110
LONGITUDE = -100.3671

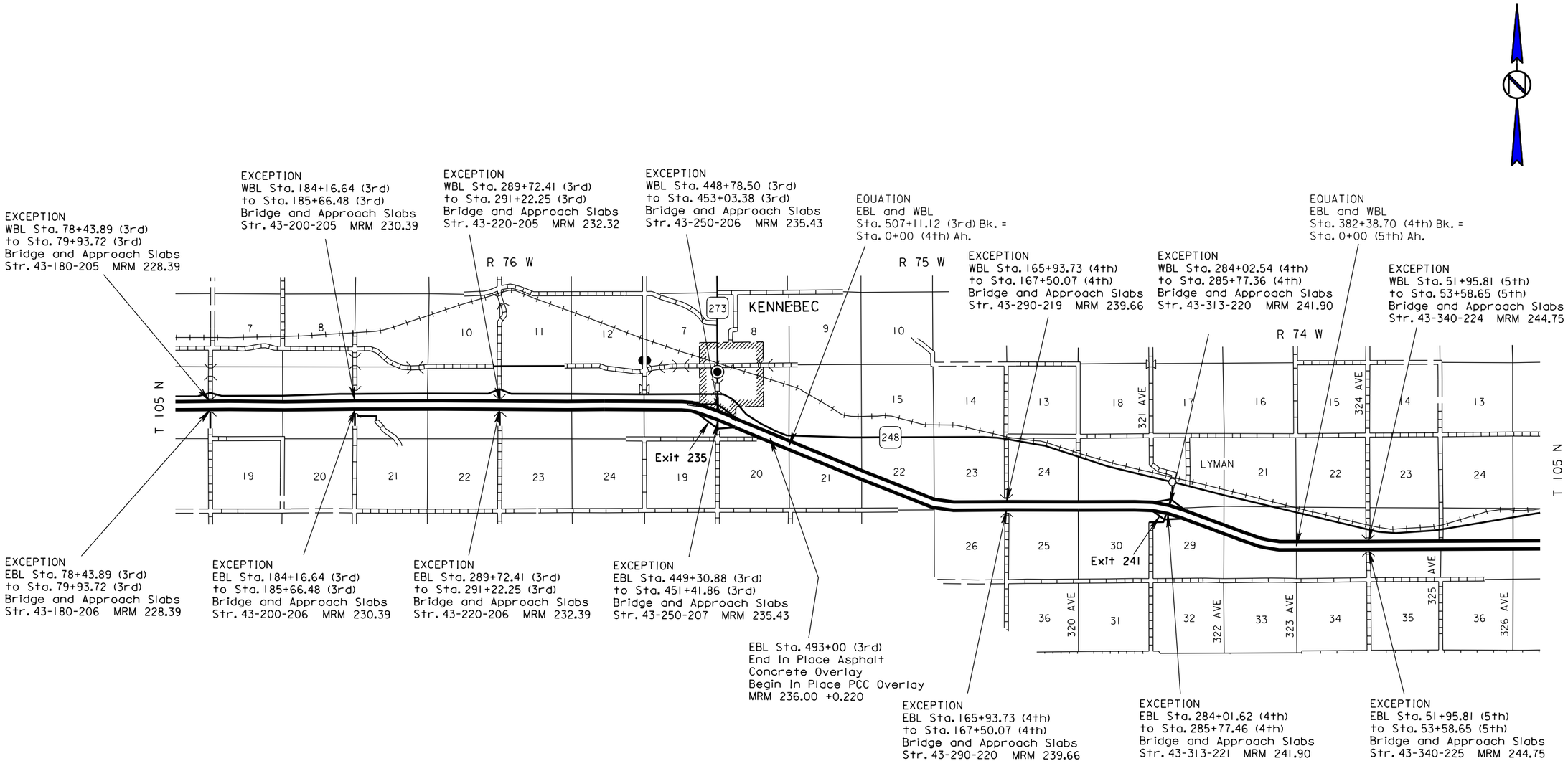
EASTBOUND LANES DESIGN DESIGNATION	
ADT (2014)	3154
ADT (2034)	3855
DHV	629
D	51%
T DHV	12.4%
T ADT	27.4%
V	80 MPH

WESTBOUND LANES DESIGN DESIGNATION	
ADT (2014)	3154
ADT (2034)	3856
DHV	629
D	51%
T DHV	12.4%
T ADT	27.4%
V	80 MPH

EASTBOUND LANES - LENGTH 265,832.45 FEET 50.346 MILES
WESTBOUND LANES - LENGTH 265,812.45 FEET 50.338 MILES

PLOT SCALE - 1:7920
PLOTTED FROM - TRPR18388
PLOT NAME - 1
FILE - U:\MS\PRJ\LYMN04D4\TITLEA.DGN

Plotting Date: 01/28/2016



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PLOTTED FROM - TRPR18388

PLOT NAME - 2

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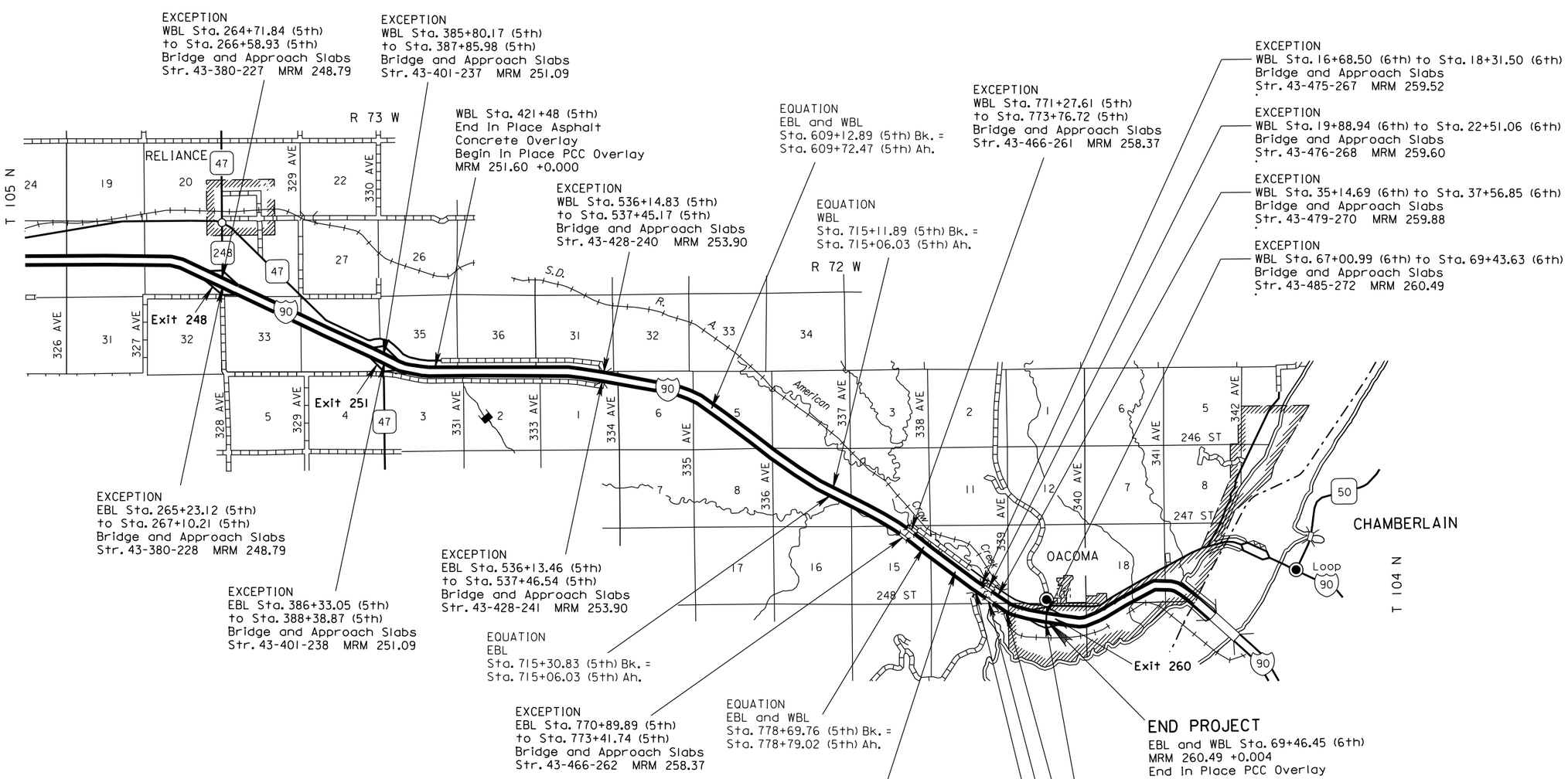
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0904(59)210	3	49

Plotting Date: 01/28/2016



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PLOTTED FROM - TRPR18388

PLOT NAME - 3

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ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0904(59)210	A1	A2

Revised 02-05-2016 LLH

Section C - Traffic Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	8,760.0	Hour
634E0020	Pilot Car	120.0	Hour
634E0110	Traffic Control Signs	4,444	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0285	Type 3 Barricade, 8' Double Sided	4	Each
634E0420	Type C Advance Warning Arrow Board	4	Each
634E0630	Temporary Pavement Marking	2.2	Mile
634E1215	Contractor Furnished Portable Changeable Message Sign	4	Each

Section F - Surfacing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
120E0010	Unclassified Excavation	748	CuYd
* 260E6000	Granular Material, Furnish	3,447.6	Ton
* 270E0200	Blend, Haul, and Stockpile Granular Material	6,895.2	Ton
320E0004	PG 58-28 Asphalt Binder	302.1	Ton
320E1070	Class HR Asphalt Concrete	7,574.0	Ton
320E3000	Compaction Sample	3	Each
320E5010	Saw and Seal Shoulder Joint	120,246	Ft
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	34.8	Mile
330E0010	MC-70 Asphalt for Prime	32.1	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	4.9	Ton
330E0300	SS-1h or CSS-1h Asphalt for Fog Seal	264.8	Ton
330E3000	Sand for Fog Seal	10.0	Ton
332E0010	Cold Milling Asphalt Concrete	40,181	SqYd
360E0042	CRS-2P Asphalt for Surface Treatment	764.9	Ton
360E1200	Modified Cover Aggregate	7,067.9	Ton
380E6300	Reseal PCC Pavement Joint - Silicone	5,493	Ft
380E6302	Reseal PCC Pavement Joint - Hot Pour	98,997	Ft
380E6310	Seal Random Cracks in PCC Pavement	40	Ft
600E0200	Type II Field Laboratory	1	Each

*** - Denotes Non-Participating**

INDEX OF SHEETS

A1 Estimate of Quantities for Sections C, F, and M
A2 Environmental Commitments

SPECIFICATIONS

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

Section M - Pavement Marking

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E1200	Waterborne Pavement Marking Paint with High Grade Polymer, White	3,033	Gal
633E1205	Waterborne Pavement Marking Paint with High Grade Polymer,Yellow	2,457	Gal
633E1300	Pavement Marking Paint, White	393	Gal
633E1305	Pavement Marking Paint, Yellow	75	Gal
633E5100	Grooving for Durable Pavement Marking, 4"	1,042,822	Ft
633E6005	Pavement Marking Masking, 5"	23,200	Ft
633E6015	Pavement Marking Masking, 13"	6,170	Ft

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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 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 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.

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 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

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 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 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.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0904(59)210	C1	C15

Plotting Date: 01/27/2016

SECTION-C TRAFFIC CONTROL

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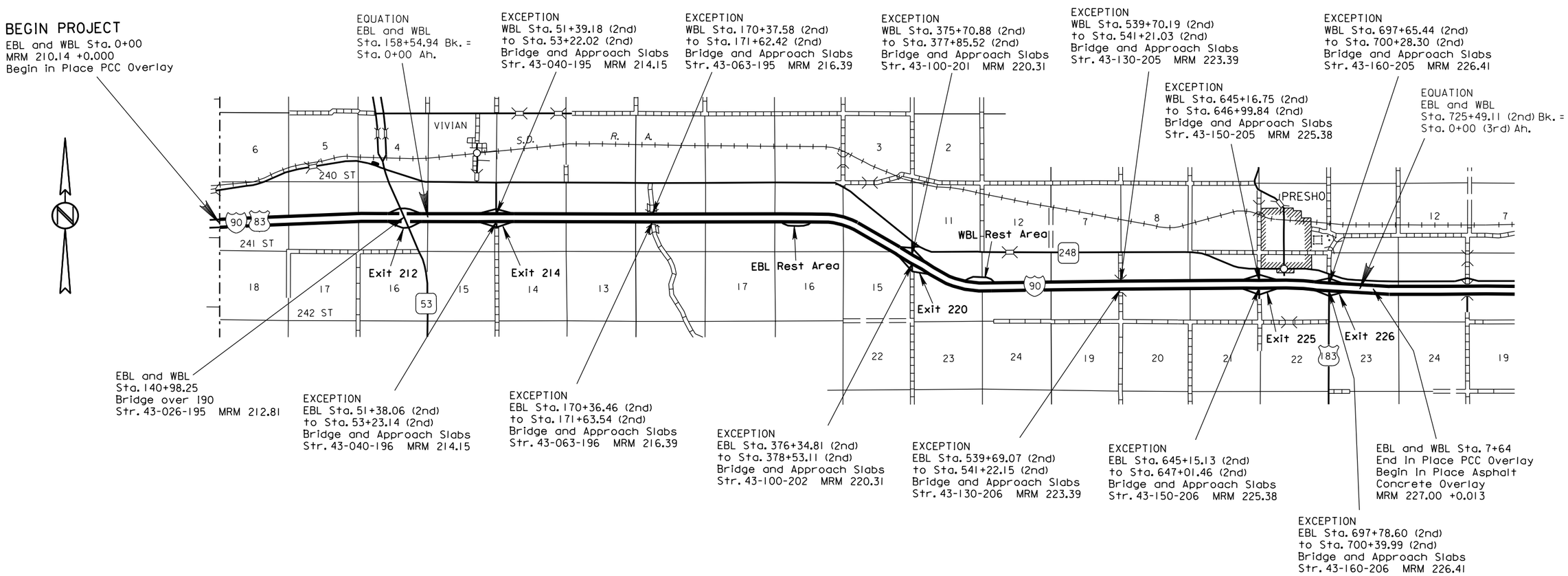
Sheets C1-C3 Title Sheets
Sheets C4-C9 Notes
Sheets C10-C12 Standard Drawings
Sheets C13-C15 Standard Plates



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PLOT NAME - 1

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