

AADT (2019) AADT (2039) DHV 645 817 107 50% 9.6% 21.0% 65 mph D DHV T% AADT T% V

STORM WATER PERMIT None Required

STATE OF	PROJECT	SHEET	TOTAL SHEETS
DAKOTA	000P-492	1	8
Plotting Date:	03/18/2020		

INDEX OF SHEETS

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2-3	Estimate with General Notes & Tables
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ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
900E1095	8' Snow Fence	5,728	Ft

SPECIFICATIONS

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

ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Section A 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. 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: <u>https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf</u>

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Office at 605-773-3098 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

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 Environment 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 completely 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 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) will 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 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 of 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 will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office 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.

SNOW FENCE

Access to the snow fence sites will be made thru existing field entrance gates or by temporarily removing and resetting the right of way fence. The Contractor will keep livestock out of the highway right-of-way. Upon completion of the work, the Contractor will restore the fence to the original condition. This work will be incidental to the contract unit price bid per foot for snow fence.

The Contractor will minimize damage to the existing vegetation. Work will not be allowed when the ground is wet and unstable. The Contractor will restore the land to the condition prior to construction at the Contractor's expense.

The SDDOT Area Office will obtain the permission from the private landowners prior to starting the work. The Contractor will provide the State a 2 week notice prior to beginning work.

TABLE OF SNOW FENCE QUANTITIES

				8' Snow
Hwy	MRM to	MRM		Fence
				(Ft.)
US 385	5.970	6.149	L	944
US 385	6.820	7.059	L	1264
US 385	7.010	7.677	L	3520
		Total		5728

STATE OF	PROJECT	SHEET	TOTAL
SOUTH DAKOTA	000P-492	2	8

GENERAL TRAFFIC CONTROL

Existing guide, route, informational logo, regulatory, and warning signs will be temporarily reset and maintained during construction. Removing, relocating, covering, salvaging, and resetting of existing traffic control devices, including delineation, will be the responsibility of the Contractor. Cost for this work will be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost will be replaced by the Contractor at no cost to the State.

All temporary traffic control sign locations will be set in the field by the Contractor and verified by the Engineer prior to installation.

All construction operations will be conducted in the general direction of traffic movement.

If there is a discrepancy between the traffic control plans, standard plates, and the MUTCD, whichever is more stringent will be used, as determined by the Engineer.

Unless otherwise stated in these plans, work will not be allowed during hours of darkness.

Fixed location signing placed more than 4 calendar days prior to the start of construction will be covered or laid down until the time of construction. The covers must be approved by the Engineer prior to installation. The cost of materials, labor, and equipment necessary to complete this work will be incidental to other contract items. No separate payment will be made.

All fixed location signs, sign posts, and breakaway bases will be removed within 7 calendar days following pavement marking.

The Contractor will notify businesses/homeowners a minimum of two weeks prior to construction to inform them of upcoming construction and again a minimum of 48 hours prior to any blocked access to make appropriate arrangements.

TRAFFIC CONTROL, MISCELLANEOUS

All costs for traffic control, including signs, will be incidental to the contract lump sum price for "Traffic Control, Miscellaneous".

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SOUTH DAKOTA	000P-492	3	8
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STATE OF		PROJECT	SHEET	TOTAL SHEETS
	DAKOTA	000P-492	4	8
	Platting Data:	03/20/2020		

8' WOOD SNOW FENCE









11/16″ dia.

(Typ) &

3 SHORT BRACE

2" × 6" × 4'-0"







121°

11/16″ dia.

2 LONG BRACE 2" × 8" × 7'-0"





2" × 6" × 3'-0"

	HAR	WARE FOR ONE 16 FOOT PANEL
NOTE	QUANTITY	DESCRIPTION
A	6	${}^{5}\!\prime_{8}{}''\not\!\!\!D \times 6''$ machine bolt w/1 flat washer and 1 nylon insert locknut
(A)	15	${}^{5}\!\prime_{\!8}{}''$ Ø x 5 $''$ machine bolt w/2 flat washers and 1 nylon insert locknut
®	1 Ib.	10D (3") ring shank or screw shank nails
©	1/2 Ib.	8D (2.5") common nails
0	6	5" x 1 1/2" x 1/8" Anchor Clip for 5/8" dia. bolt
Ē	6	#6 x 5'-0" rebar

NOTE: All machine bolts used to anchor the fence to the rebar shall be continuously threaded to allow for tightening at a future date

	LUMB	ER FOR ONE 16 FOOT P	ANEL
NOTE	QUANTITY	SIZE	DESCRIPTION
1	3	2" × 6" × 5'-0"	SILL
0	3	2" × 8" × 7'-0"	LONG BRACE
3	3	2" × 6" × 4'-0"	SHORT BRACE
4	3	2" × 6" × 8'-0"	FRONT VERTICAL
5	3	2" × 6" × 4'-0"	KNEE BRACE
NOTE:	All above treated the Star applicab	e frame members shall in accordance with S dard Specifications le AWPA Standards.	be pressure ection 950 of and shall meet
9	2	1" × 6" × 16'-0"	CROSS BRACE
0	7	1" × 6" × 16'-0"	SLAT

NOTE: For 1" lumber WWPA (Western Wood Products Association) #3 or better. For 2" lumber, WWPA #2 or better.













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		000P-492	8	8
	Plotting Date:	03/19/2020		