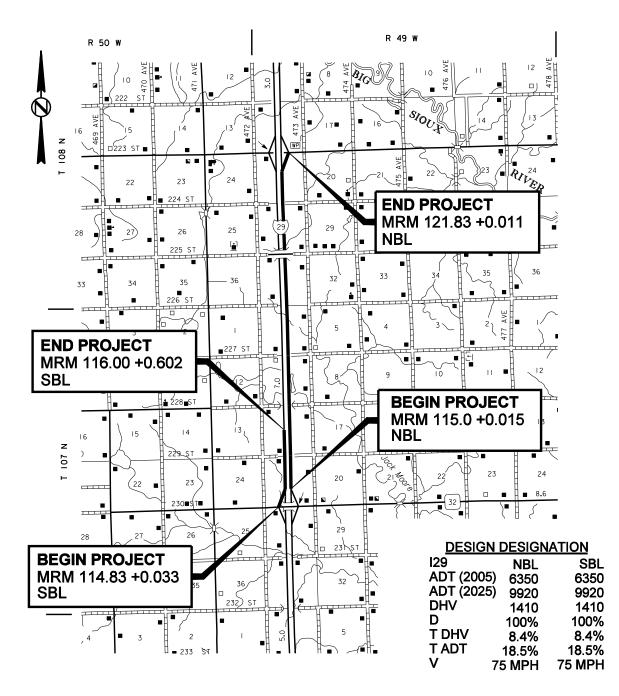
000I-272 (029 S - 272 & 029 N - 272) MOODY COUNTY FENCE REPLACEMENT PCN 10JQ & 10JR



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ESTIMATE OF QUANTITIES

BID ITEM	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
100E0100	Clearing	Lump Sum	LS
110E0600	Remove Fence	44256	Ft
620E0030	Type 3 Right-of-Way Fence	31824	Ft
620E0230	Modified Type 3 Right-of-Way Fence	4692	Ft
620E0260	Modified Type 6 Right-of-Way Fence	7740	Ft
620E1020	2 Post Panel	89	Each
620E1030	3 Post Panel	39	Each
620E1110	Wood Fence Post	336	Each
634E0120	Traffic Control Miscellaneous	Lump Sum	LS

TABLE OF FENCE QUANTITIES

	INTERSTATE 29	REMOVE FENCE	TYPE 3 R/W FENCE	MODIFIED TYPE 3 R/W FENCE	MODIFIED TYPE 6 R/W FENCE	2 POST PANFI	3 POST PANEL	WOOD FENCE POST	24' WIRE GATE
LANE	MRM TO MRM		Ft	Ft	Ft	Each	Each	Each	0/112
SB	116.417-116.602	980	980			1			
SB	116.390-116.417	140		140		2		10	
SB	116.000-116.390	2060	2060			3	1		
SB	115.958-116.000	222	222				2		1
SB	115.705-115.958	1336			1336	3	1		1
SB	114.863-115.705	4499	4499			10	2		
SB	114.863 to West	230	230			2			
NB	115.015-115.673	3474	3474			10	1		1
NB	115.673-115.745	380		380		2		27	
NB	115.745-115.867	644	644				2		
NB	115.867-116.847	5174			5174	4	5		1
NB	116.847-BRIDGE	80	80			2	1		1
NB	116.869-BRIDGE	80	80			1	2		1
NB	116.869-117.060	1008			1008	1	1		
NB	117.060-117.173	597		597		3		43	
NB	117.173-117.268	502	502			1			
NB	117.268-117.491	1177		1177		1	1	84	
NB	117.491-117.854	507	507			4	1		
NB	117.857-117.899	222			222		1		
NB	117.899-118.509	3221	3221			4	1		
NB	118.509-118.688	945		945		3		68	
NB	118.688-119.261	3025	3025			6	2		1
NB	119.261-119.338	407		407		1	1	29	
NB	119.338-119.833	2614	2614			4	3		
NB	119.841-119.958	618	618			2	1		1
NB	119.958-120.000	222		222			2	16	
NB	120.000-120.385	2033	2033			1	2		
NB	120.385-120.531	771		771		3		55	
NB	120.531-121.647	5892	5892			10	5		1
NB	121.647-121.657	53		53				4	
NB	121.657-121.845	993	993			3	1		
NB	121.845-EAST	150	150			2			
	TOTALS:	44256	31824	4692	7740	89	39	336	9

SPECIFICATIONS

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

COMPLETION DATE

All work shall be completed on or before October 31, 2007.

UTILITIES

The Contractor shall contact the involved utility companies through South Dakota One Call (1-800-781-7474) prior to starting work. It shall be the responsibility of the Contractor to coordinate work with the utility owners to avoid damage to existing facilities.

WASTE DISPOSAL SITE

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

Construction/demolition debris may not be disposed of within the State (Right-of-Way) ROW.

All construction/demolition debris generated by this project shall be cleaned up and disposed of by the Contractor.

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 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/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/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. 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.

Cost for furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates & signs) and reclamation of the waste disposal site(s) shall be incidental to the contract unit prices for the various items.

RESTORATION OF INSLOPES AND DITCHES

Any slope area or ditch that is rutted or otherwise unduly disturbed during fencing operations shall be restored and seeded by the Contractor, at no expense to the State. Cost for this work shall be incidental to the contract unit prices for the various items.

REMOVE FENCE

The Contractor shall remove the existing right-of-way fence that is to be replaced as designated in the plans and/or as ordered by the Engineer.

Limited Access Security - All fence removed during any one working day is to be replaced during the same day if livestock are being restrained.

CLEARING

Prior to installing right-of-way fence, the fence alignment shall be cleared of all trees, tree branches, tree stumps, brush, vegetation, debris, bladed and leveled to the satisfaction of the Engineer.

Clearing will be paid for at the contract lump sum price. Payment shall be full compensation for labor and equipment necessary to clear the entire line for fence and smooth ground irregularities.

FENCE ALIGNMENT

Where fence is being removed and replaced, fence shall be installed on the same alignment as existing. It shall be the Contractor's responsibility to preserve the fence alignment.

TYPE 3 RIGHT-OF-WAY FENCE

New barbed wire shall be used in fence construction adjacent to farmland. The Contractor shall furnish all new posts. Install alternate wood and steel posts at 16'-6" spacing for Type 3 Right-of-Way Fence.

MODIFIED TYPE 3 RIGHT-OF-WAY FENCE

An estimated 4692' of Modified Type 3 Right-of-Way Fence is included in the Estimate of Quantities. The Engineer will determine the actual quantity and locations of Modified Type 3 Right-of-Way Fence to be installed on construction.

Modified Type 3 Right-of-Way Fence shall be installed at wide depressions subject to flooding. See sheet titled FENCING AT WIDE DEPRESSIONS.

The Contractor shall furnish new 5" x 8' wood posts to replace existing posts. Install wood posts at 14' spacing for Modified Type 3 Right-of-Way Fence. Cost for 5" x 8' wood posts shall be included in the contract unit price per each for Wood Fence Post.

MODIFIED TYPE 6 RIGHT-OF-WAY FENCE

New woven and barbed wire shall be used in fence construction adjacent to pastureland. The Contractor shall furnish all new posts. Install alternate wood and steel posts at 14' spacing for Modified Type 6 Right-of-Way Fence.

Note specification change for Modified Type 6 Woven Wire Fence to Design No. 832-6-11.

NEW POST PANELS

Existing post panels shall be replaced. Existing 5 Post and 4 Post Panels shall be replaced with a combination of 2 Post and 3 Post Panels as determined by the Engineer.

The number of 2 Post and 3 Post Panels will be the actual number installed and will be paid for at the contract unit price per each. Payment shall be full compensation for furnishing material, (including posts, brace post, diagonal brace wire, dowels), labor, equipment and incidentals necessary to construct the post panels.

GENERAL MAINTENANCE OF TRAFFIC

Removing, relocating, covering, salvaging and resetting of permanent traffic control devices, including delineation, shall be the responsibility of the Contractor. Cost for this work shall be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost shall be replaced by the Contractor at no cost to the State.

Storage of vehicles and equipment shall be outside the clear zone and as near as possible to the right-of-way line. Contractor's employees should mobilize at a location off the right-of-way and arrive at the work sites in a minimum number of vehicles necessary to perform the work.

Indiscriminate driving and parking of vehicles within the right-of-way will not be permitted. Any damage to the vegetation, surfacing, embankment, delineators and existing signs resulting from such indiscriminate use shall be repaired and/or restored by the Contractor, at no expense to the State, and to the satisfaction of the Engineer.

The Contractor shall provide documentation that all breakaway sign supports comply with FHWA NCHRP 350 crash-worthy requirements. The Contractor shall provide installation details at the preconstruction meeting for all breakaway sign support assemblies.

Cost for traffic control, including signs, shall be included in the contract lump sum price for Traffic Control Miscellaneous.

