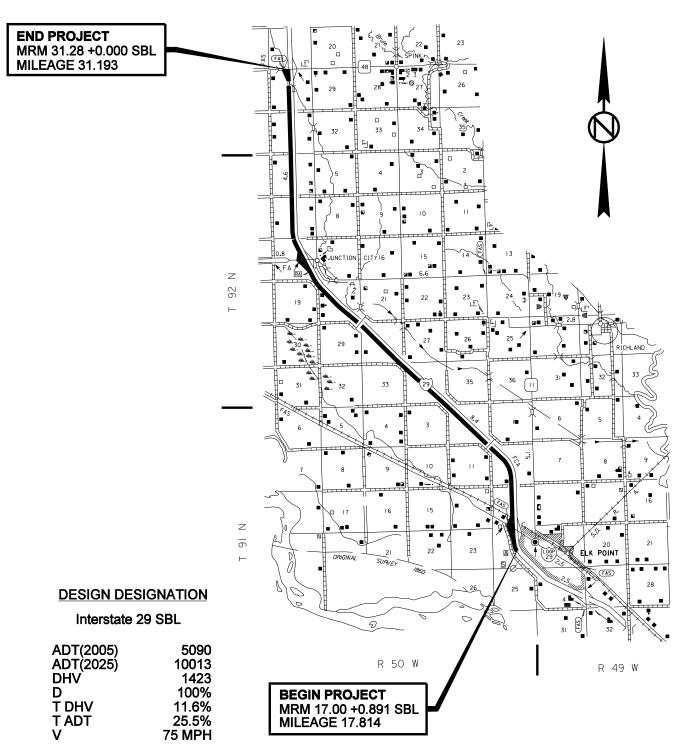
000I-291 UNION COUNTY FENCE REPLACEMENT PCN I0DC





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ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010 Mc	obilization	Lump Sum	LS
100E0100 Cle	earing	Lump Sum	LS
110E0600 Re	emove Fence	71937	Ft
620E0030 Ty	pe 3 Right-of-Way Fence	71937	Ft
620E0260 Mc	odified Type 6 Right-of-Way Fence	2600	Ft
620E1020 2 F	Post Panel	105	Each
620E1030 3 F	Post Panel	39	Each
634E0120 Tra	affic Control Miscellaneous	Lump Sum	LS

LANE	INTERSTATE 29 MRM TO MRM (LOCATION)	REMOVE FENCE Ft	TYPE 3 R/W FENCE Ft	MODIFIED TYPE 6 R/W FENCE Ft	2 POST PANEL Each	3 POST PANEL Each	WIDE DEPRESSION & STREAM CROSSINGS (Info Only) Each
SB	17.89 to 18.00	170	170				
SB	18.00 to Exit 18	2408	2408		3	3	
SB	Exit 18 to 19.00	3082	3082		3	3	
SB	19.00 to 20.00	5628	5628		5	3	
SB	20.00 to 21.00	5158	5158		8	3	
SB	21.00 to 22.00	5338	5338		6	2	
SB	22.00 to 23.00	5200	5200		3	2	
SB	23.00 to 24.00	5376	5376		7	3	
SB	24.00 to 25.00	5231	5231		16	2	2
SB	25.00 to 26.00	5306	5306		7	2	1
SB	26.00 to Exit 26	2832	2832		4	1	
SB	Exit 26 On Ramp	1458	1458		9	1	
SB	Exit 26 Off Ramp	990	990		8	1	
SB	Exit 26 to 27.00	715	715		1	2	
SB	27.00 to 28.00	5195	5195		5	3	
SB	28.00 to 29.00	5366	5366		5	2	1
SB	29.00 to 30.00	5277	5277		5	2	1
SB	30.00 to 31.29	5549	5549		6	3	1
SB	Exit 32 On Ramp	1658	1658		4	1	
	TOTALS:	71937	71937	*2600	105	39	6

* Modified Type 6 Woven Wire Fence to be installed at locations directed by the Engineer.

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 December 1, 2006.

UTILITIES

The Contractor shall contact the involved utility companies through South Dakota One Call (Phone 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 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:

- 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. 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.

Cost for 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 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.

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.

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.

RIGHT-OF-WAY FENCE

New woven and barbed wire shall be used in the fence construction. The Contractor shall furnish all new posts. Install alternate wood and steel posts at 14' spacing for both types of Right-of-Way Fence.

The 2600 lineal feet of the Modified Type 6 Woven Wire Fence has been included in the plans for installation at locations directed by the Engineer. The payment shall be full compensation for furnishing materials, labor, equipment and incidentals necessary to construct the 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, and dowels), labor, equipment and incidentals necessary to construct the post panels.

GENERAL MAINTENANCE OF TRAFFIC

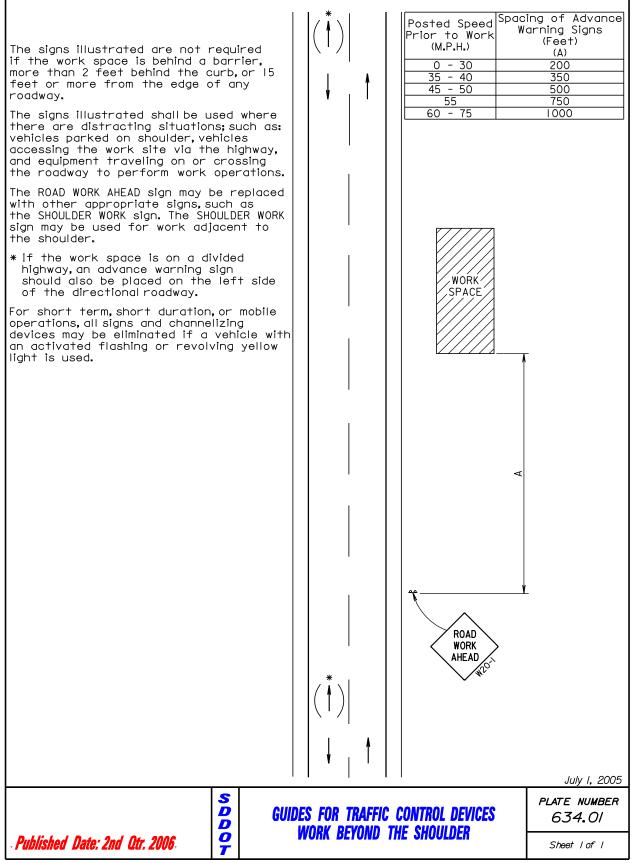
Removing, relocating, covering, salvaging and resetting of permanent traffic control devices, including delineation, shall be the responsibility of the Contractor. Cost for this work shall be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators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

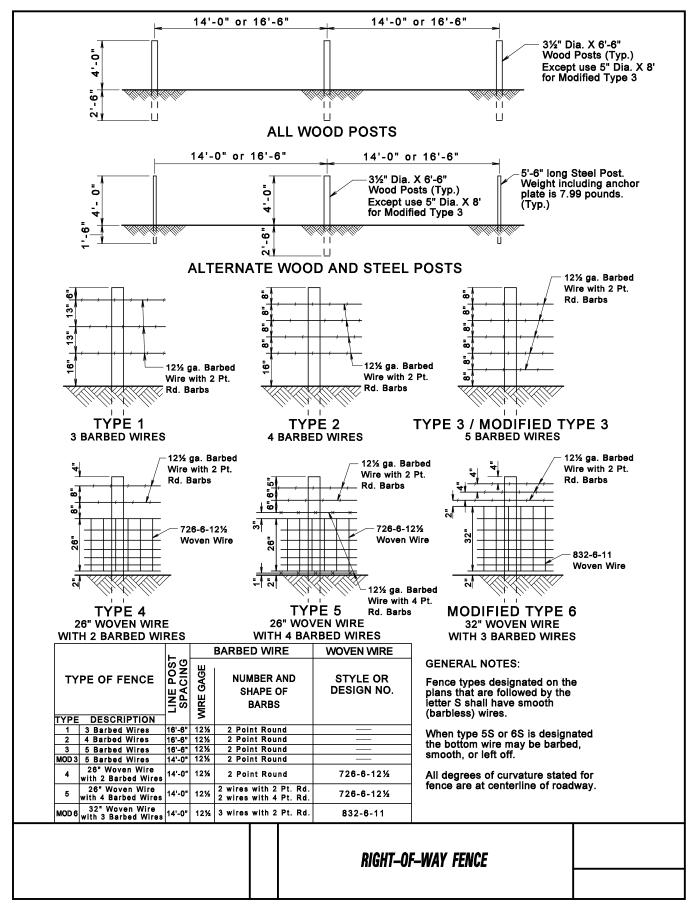
Storage of vehicles and equipment shall be outside the clear zone and as near as possible to the right-of-way line. Contractor's employees should mobilize at a location off the right-of-way and arrive at the work sites in a minimum number of vehicles necessary to perform the work.

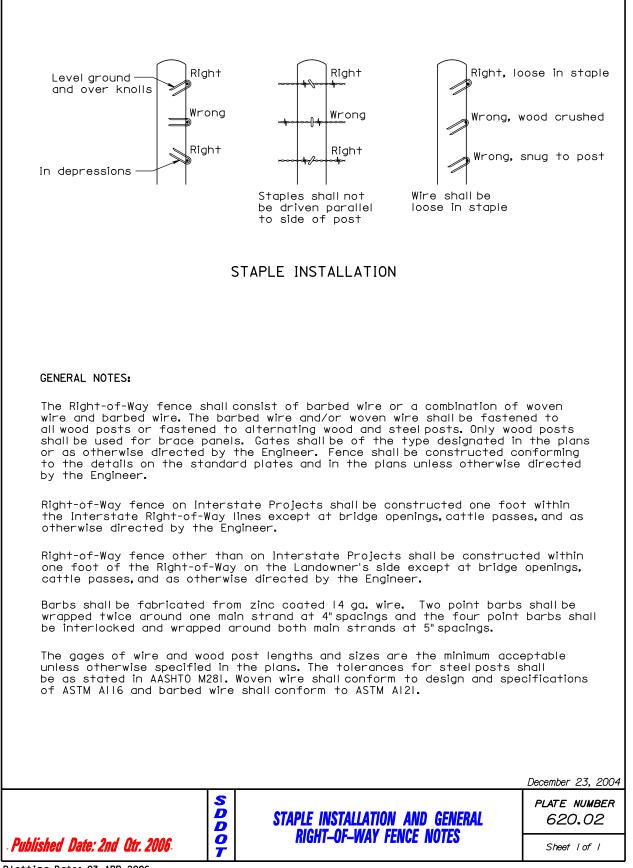
Indiscriminate driving and parking of vehicles within the right-of-way will not be permitted. Any damage to the vegetation, surfacing, embankment, delineators and existing signs resulting from such indiscriminate use shall be repaired and/or restored by the Contractor, at no expense to the State, and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

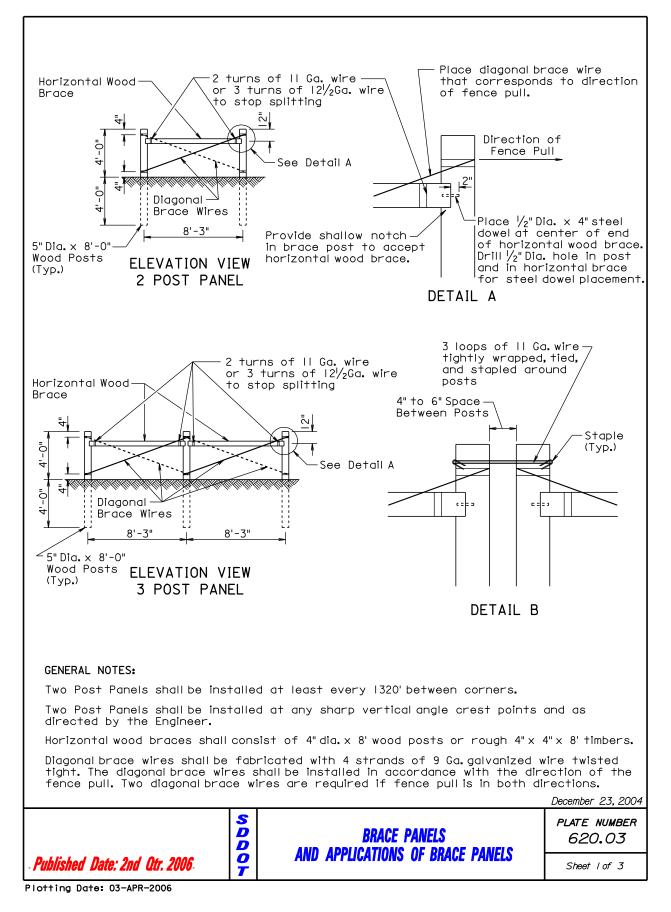
The Contractor shall provide documentation that all breakaway sign supports comply with FHWA NCHRP 350 crash-worthy requirements. The Contractor shall provide installation details at the preconstruction meeting for all breakaway sign support assemblies.

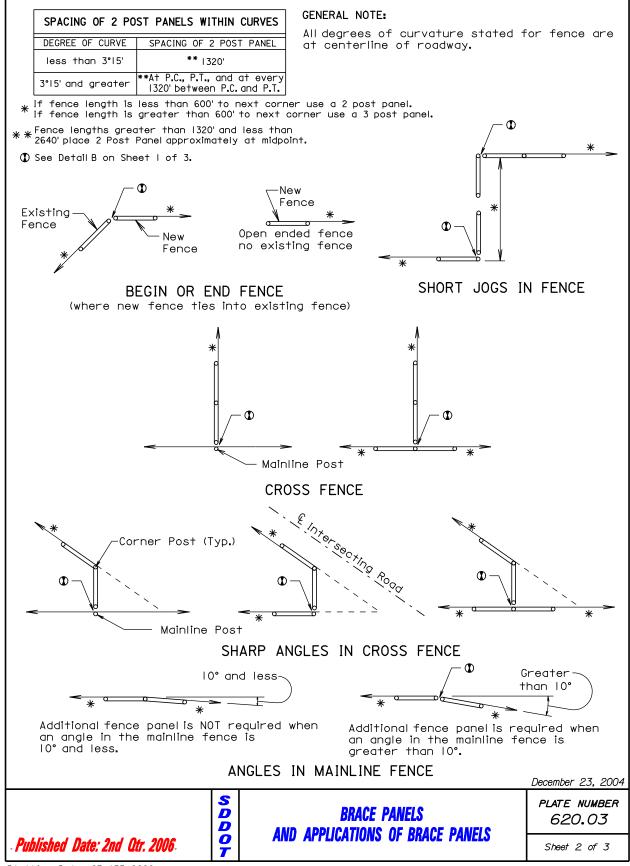
Cost for traffic control, including signs, shall be included in the contract lump sum price for Traffic Control Miscellaneous.

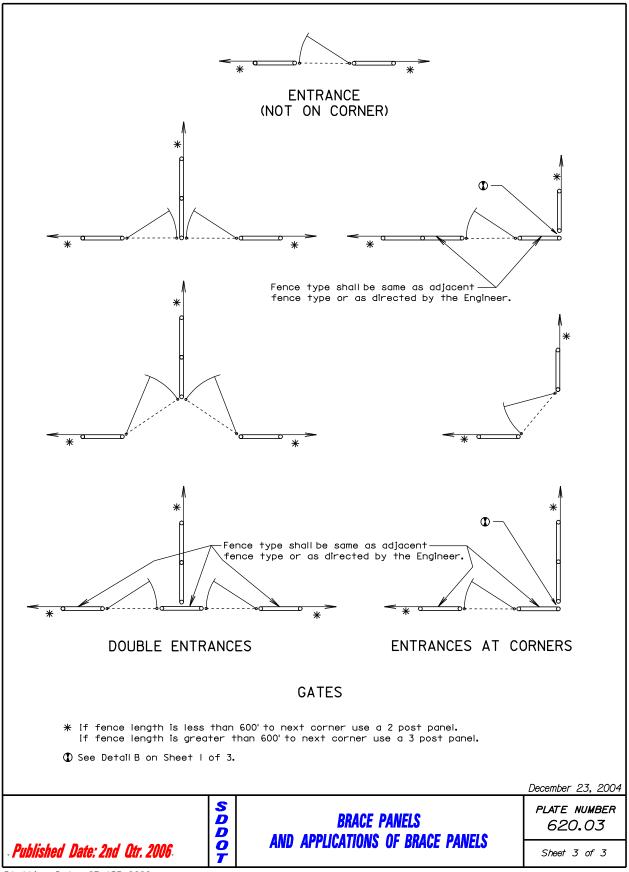


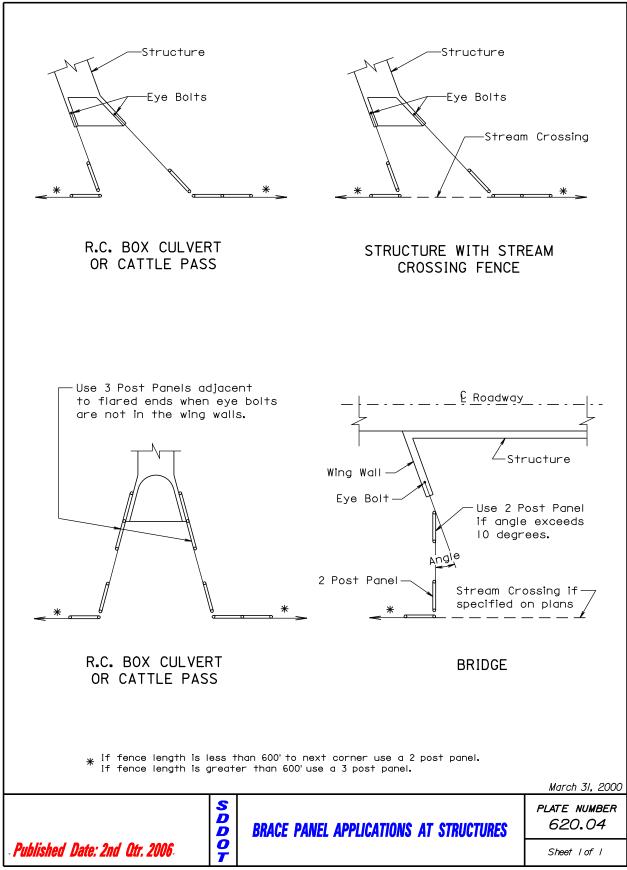


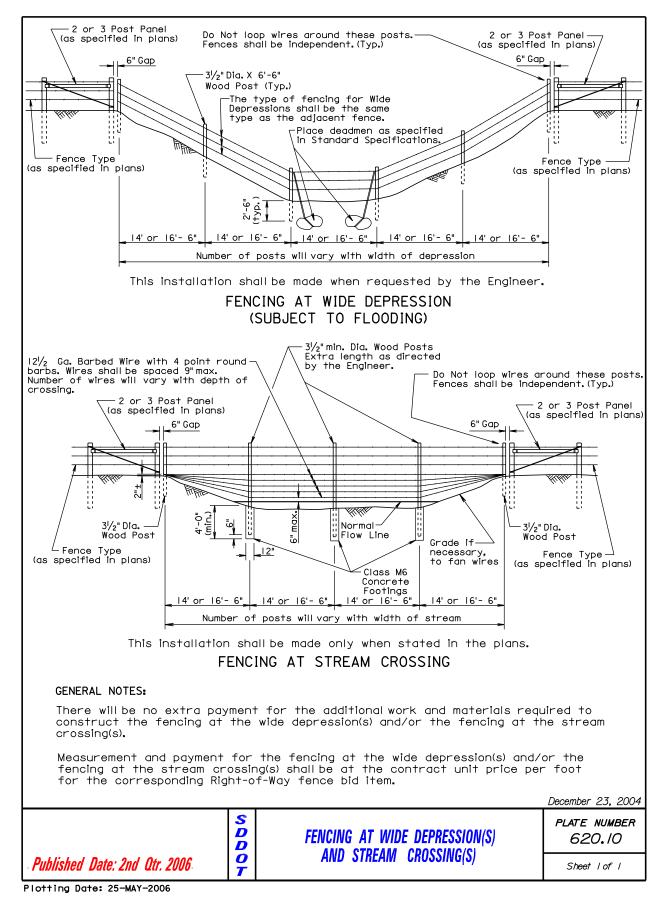




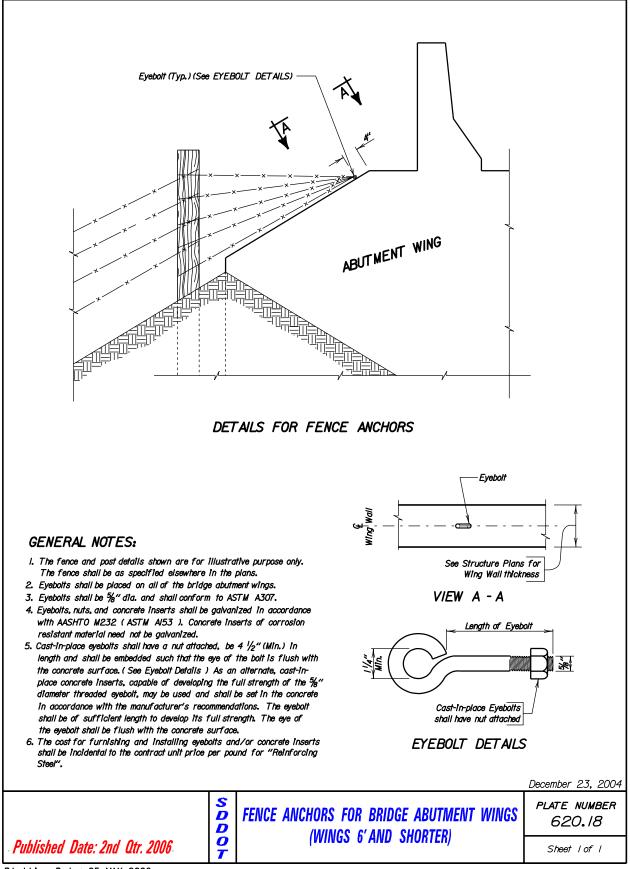








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Plotting Date: 25-MAY-2006