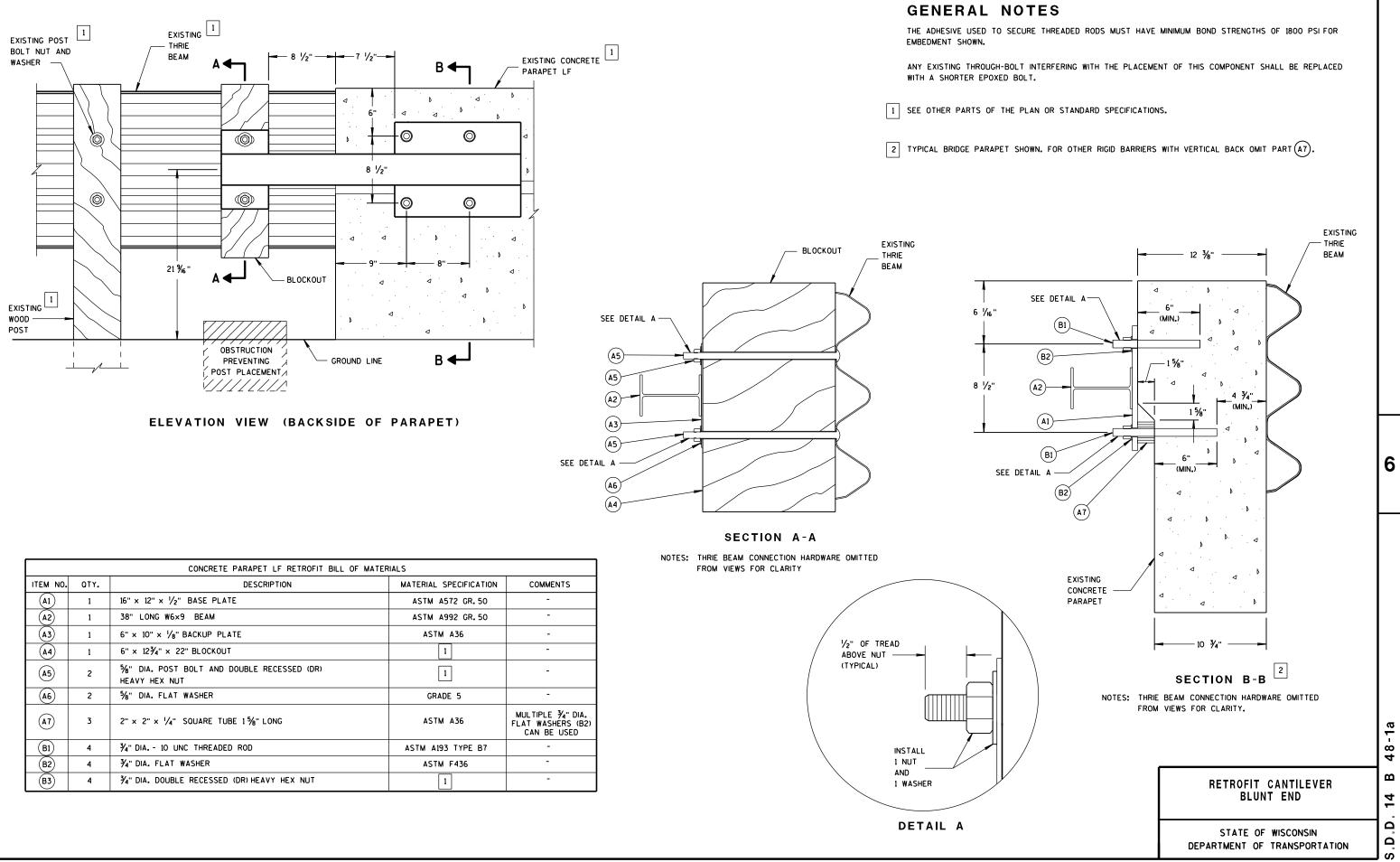
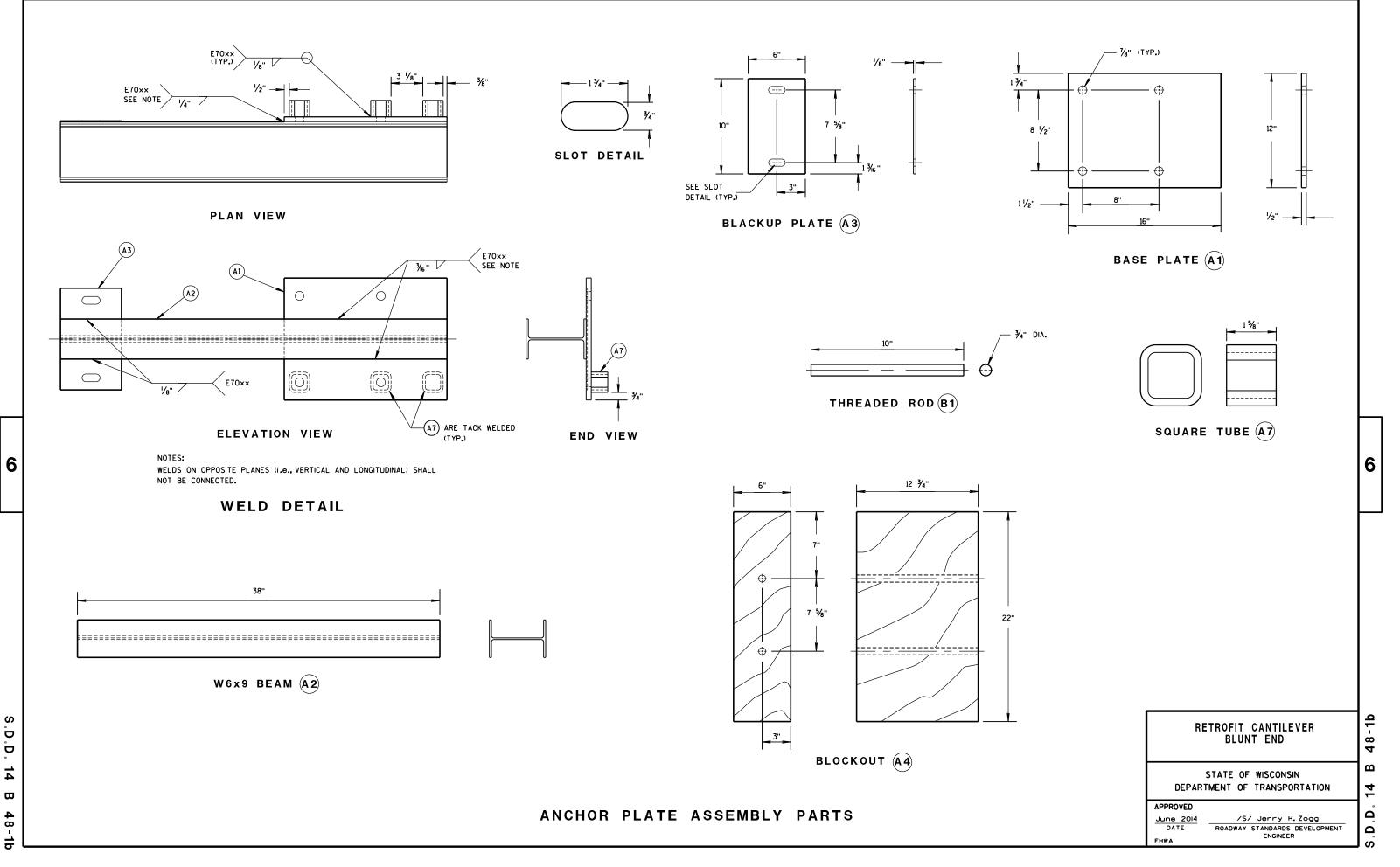
SDD 14B48-a Retrofit Cantilever Blunt End - Elevation, Section details, Installation and Bill of Materials



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SDD 14B48-b Retrofit Cantilever Blunt End - Components



Retrofit Cantilever Blunt End

References:

Standard Spec 614 FDM 11-45-30 TRP 03-266-12

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	<u>UNIT</u>	
614.0212	Steel Thrie Beam Structure Approach Retrofit Cantilever Blunt End	EACH	
Standardized Special Provisions associated with this drawing:			

Standardized Special Provisions associated with this drawing:

<u>STSP</u> NUMBER	<u>TITLE</u>
NONE	

Other SDDs associated with this drawing:

SDD 14B20 Steel Thrie Beam Structure Approach

Design Notes:

Use this retrofit alternative on 3R projects with an existing Class A thrie beam transition that is missing the first post upstream of a blunt end bridge parapet and it is not possible to install a new post. A flume, wing wall, shallow pipe or other object can prevent installing a post.

Prior to using this alternative, review if installing a new three beam transition or removing the obstruction is feasible. Document this review in the DSR. Review <u>FDM 11-45-30.5</u> and <u>FDM 11-45 Attachment 20.1</u> to determine if using the retrofit alternative is feasible. Type of work near three beam transition may influence what options are available.

Retrofit alternative is not for new installations of thrie beam transitions or new bridge parapets. These installations should be designed to accommodate all posts and proper grading of the thrie beam transition

Do not use this retrofit alternative in combination with other retrofits or thrie beam deficiencies. If other deficiencies can be repaired, (e.g. torn thrie beam rail or busted post is repaired...) then it is acceptable to use retrofit alternative. If a significant amount of repair is required, installing a new transition may be the best choice

Review parapet for adequate thickness, embedment depth, cover, and condition. If these are not reviewed, installing retrofit alternative may damage or increase the damage to and existing parapet.

Contact Person:

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