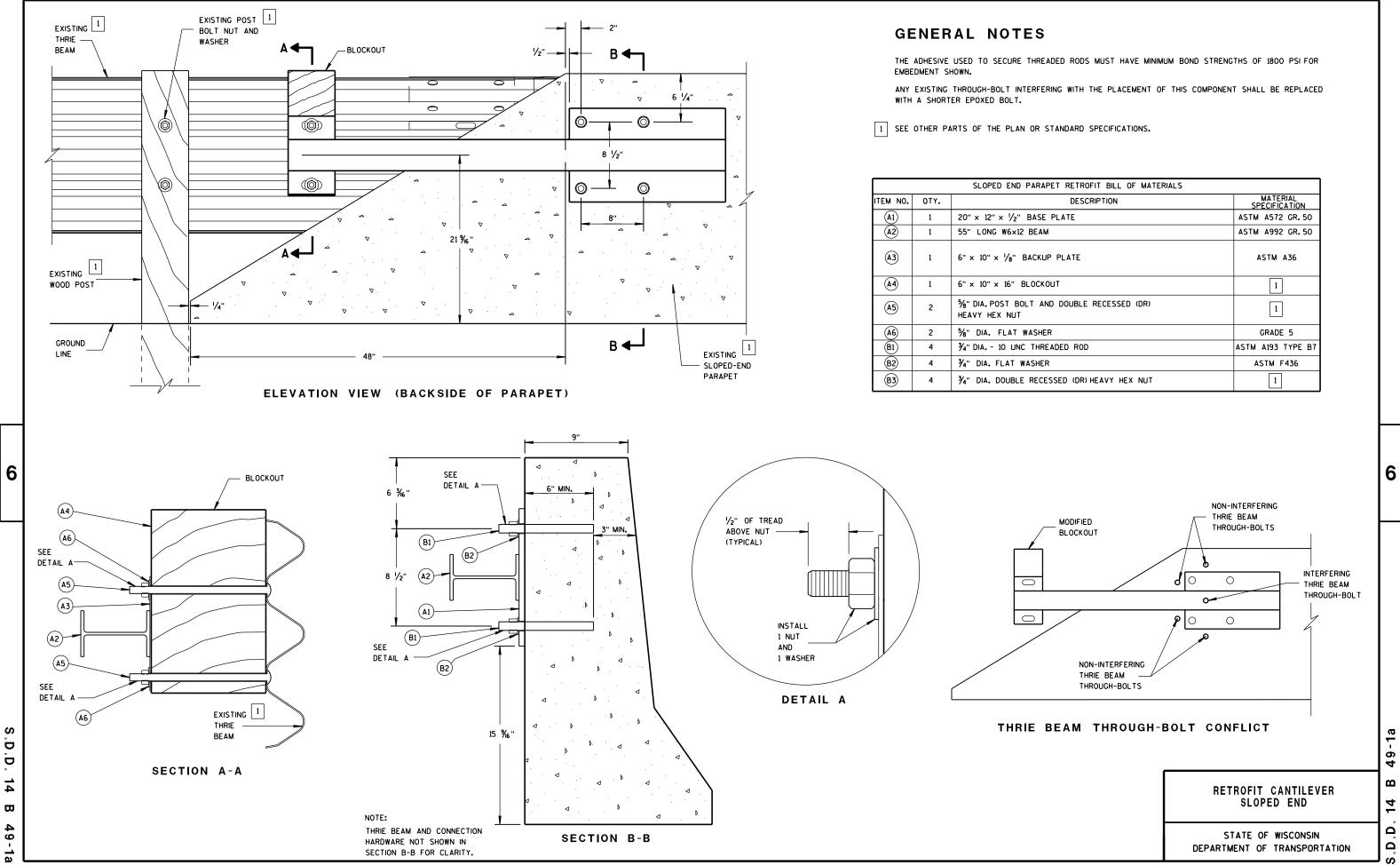
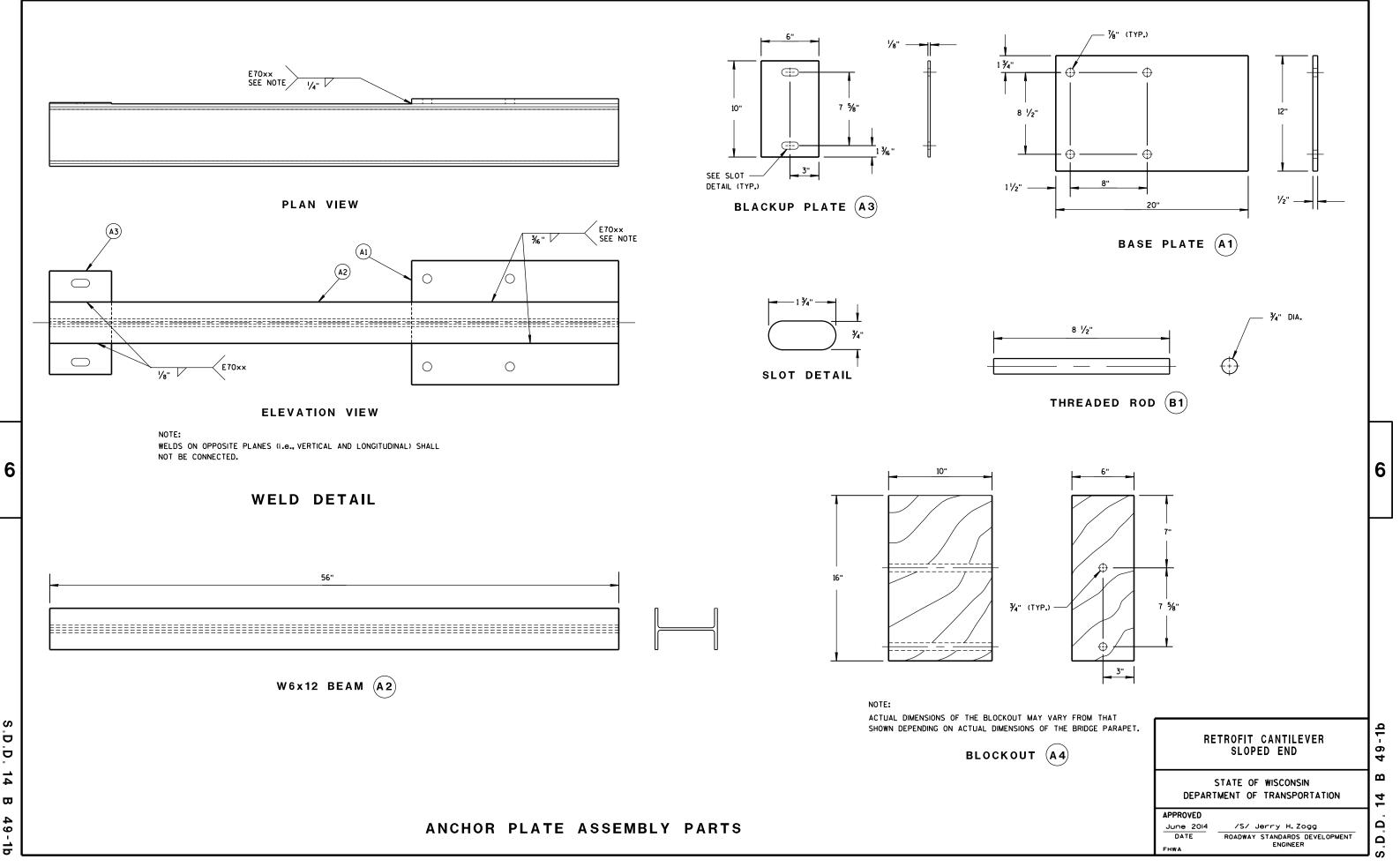
SDD 14B49-a Retrofit Cantilever Sloped End - Elevation, Section Detail Installation and Bill of Materials



APET RETROFIT BILL OF MATERIALS	
DESCRIPTION	MATERIAL SPECIFICATION
E PLATE	ASTM A572 GR.50
АМ	ASTM A992 GR.50
UP PLATE	ASTM A36
коит	1
AND DOUBLE RECESSED (DR)	1
IER	GRADE 5
READED ROD	ASTM A193 TYPE B7
ER	ASTM F436
CESSED (DR) HEAVY HEX NUT	1

SDD 14B49-b Retrofit Cantilever Sloped End - Anchor Plate Assembly Parts and Component Details



References:

<u>Standard Spec 614</u> <u>FDM 11-45-30</u> TRP 03-266-12

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	<u>UNIT</u>
614.0213	Steel Thrie Beam Structure Approach Retrofit Cantilever Sloped End	. EACH

Standardized Special Provisions associated with this drawing:

STSP NUMBER	TITLE	
NONE		

Other SDDs associated with this drawing:

<u>SDD 14B20</u> 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 sloped 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.

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 thrie 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. WisDOT has used various sloped end designs in the past. Retrofit may not fit all possible sloped installations.

Contact Person:

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