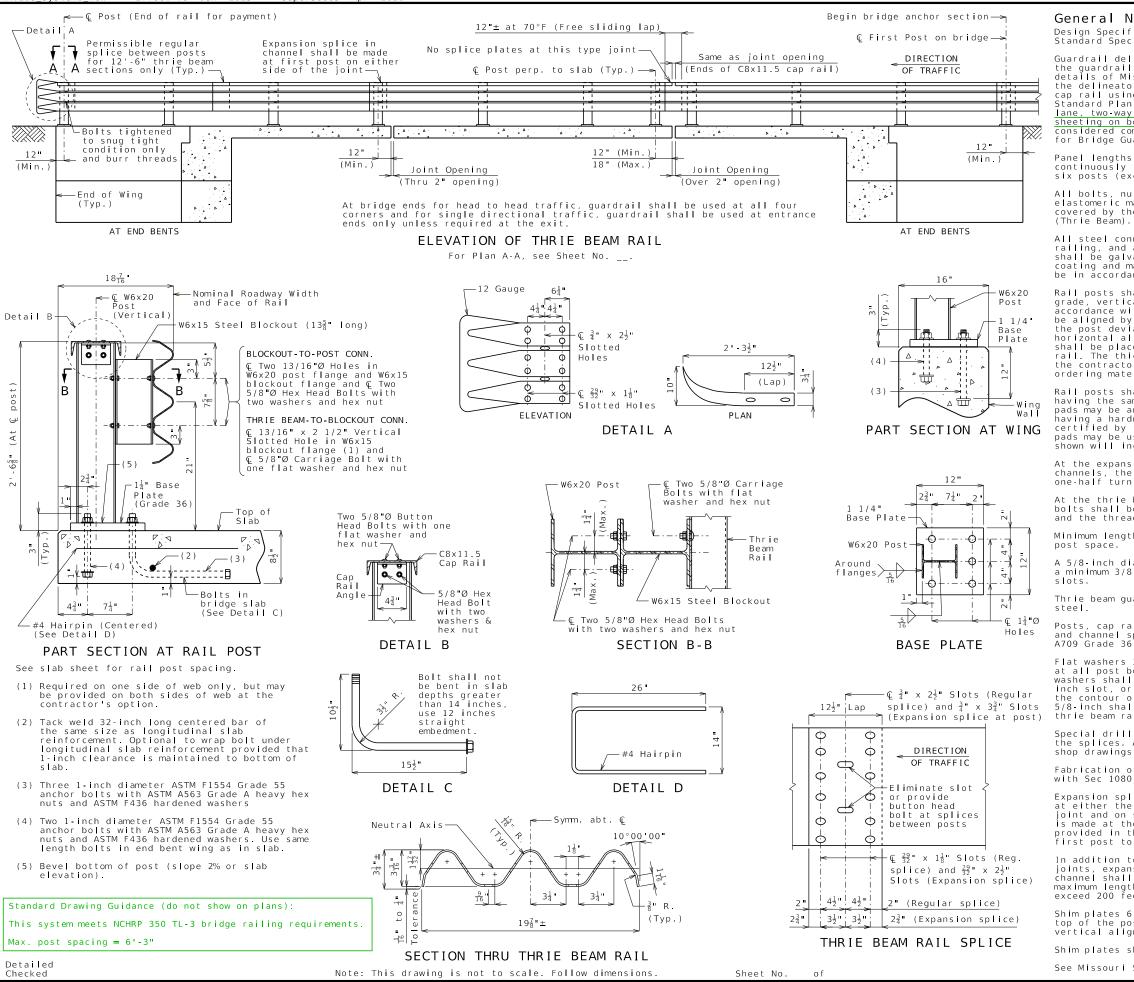
THRIE1a system1 new Effective: Jan. 2025 Supersedes: Apr. 2021



Notes: fications: 2002 AASHTO LFD (17th Ed.) ccifications	
lineators shall be attached to the top of I and shall similarly use the delineator Missouri Standard Plan 617.10, except that or body shall be attached to the top of the ng galvanized anchorage as shown on Missouri on 606.00. <u>Delineators on bridges with two- y traffic shall have retroreflective both sides.</u> Guardrail delineators will be	DATE PREPARED
completely covered by the contract unit price Guardrail (Thrie Beam).	1/30/2025 ROUTE STATE
ns of channel members shall be attached / to a minimum of four posts and a maximum of /xcept at end bents).	DISTRICT SHEET NO.
nuts, washers, plates, reinforcement and material will be considered completely he contract unit price for Bridge Guardrail	COUNTY JOB NO.
nnecting bolts and fasteners for posts and I all anchor bolts, nuts, washers and plates vanized after fabrication. Protective material requirement of steel railing shall lance with Sec 1040.	CONTRACT ID. PROJECT NO. BRIDGE NO.
shall be set perpendicular to roadway profile cally in cross section and aligned in with Sec 713 except that the rail posts shall by the use of 3 x 1 3/4-inch shims such that viates not more than 1/2 inch from true alignment after final adjustment. The shims used between the blockout and the thrie beam ickness of the shims shall be determined by or and verified by the engineer before erial for this work.	RIPTION
shall be seated on 1/16-inch elastomeric pads ame dimensions as the post base plate. Such any elastomeric material, plain or fibered, dness (durometer) of 50 or above, as ' the manufacturer. Additional pads or half used in shimming for alignment. Post heights ncrease by the thickness of the pad.	DESCRI
nsion slots in the thrie beam rails and ne bolts shall be tightened and backed off n and the threads shall be burred.	DATE
e beam connection to blockout on wings, the be tightened and backed off one-half turn ads shall be burred.	TATION CAPITOL 5-6636)
yth of thrie beam sections is equal to one	SPORTA SPORTA west can west can ty, mo (
liameter button-head, oval shoulder bolt with 8-inch thick hex nut shall be used at all	TRANSP N 105 WE 00 CITY (1-888
uardrail on the bridge shall be 12-guage	AND SSIOI SSIOI EFFERS
ail angles, base plates, blockouts, channels splice plates shall be fabricated from ASTM 6 steel and galvanized.	HIGHWAYS AND COMMISSIOI COMMISSIOI
3 x 1 $3/4$ x $3/16$ -inch minimum shall be used bolts between the bolt head and beam. The I be rectangular in shape with an $11/16$ x 1- or when necessary of such design as to fit of the beam. Rectangular washers 3 x 1 $3/4$ x all be used between the blockout and the ail.	MISSOURI HIG
ling of the thrie beam may be required at All drilling details shall be shown on the S.	
of structural steel shall be in accordance 30.	
plices in the thrie beam rail shall be made be first or second post on either side of the structure at bridge ends. When the splice the second post, an expansion slot shall be the thrie beam rail for connection to the so allow for movement.	
to the expansion provisions at the expansion nsion splices in the thrie beam rail and the I be provided at other locations so that the yth without expansion provisions does not eet.	
6 x 6 x 1/16-inch may be used between the bost and the channel member as required for gnment.	
shall be galvanized after fabrication.	
Standard Plan 606.00 for details not shown.	