See Standard Drawing E 706-BRTR-01 for thrie beam bridge railing TR.

12'-6" - Two thrie beams, one set inside the other

See Standard Drawing E 601-TTGB-05 for post and blockout details. Adjust post height to accommodate guardrail heights indicated on this sheet. Attach rail using two 5/8" Ø x 2" std. button head bolts with rectangular plate washers, round washers, and recess nuts.

W-thrie beam transition post/blockout assembly. See Standard Drawing E 601-TTGB-03 for post and blockout details. Adjust post height to accommodate guardrail heights indicated on this sheet. Attach rail using two 5/8" Ø x 2" std. button head bolts with rectangular plate washers, round washers, and recess nuts.

See Standard Drawing E 706-BRTR-06 for W-beam guardrail height transition. Twelve 5/8" Ø x 2" std. button head bolts with round washers and recess nuts, through rail sections.

Eight 5/8" Ø x 1 1/4" std. button head bolts with round washers and recess nuts.

Hand tighten post bolts on thrie beam expansion element and burr bolt threads.


INDIANA DEPARTMENT OF TRANSPORTATION

RETROFIT THRIE BEAM GUARDRAIL TRANSITION TYPE TGR

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRTR-05

/s/ Richard L. Van Cleave 09/04/12

SUPERVISOR, ROADWAY STANDARDS DATE

/s/ Mark A. Miller 09/04/12

CHIEF ENGINEER DATE