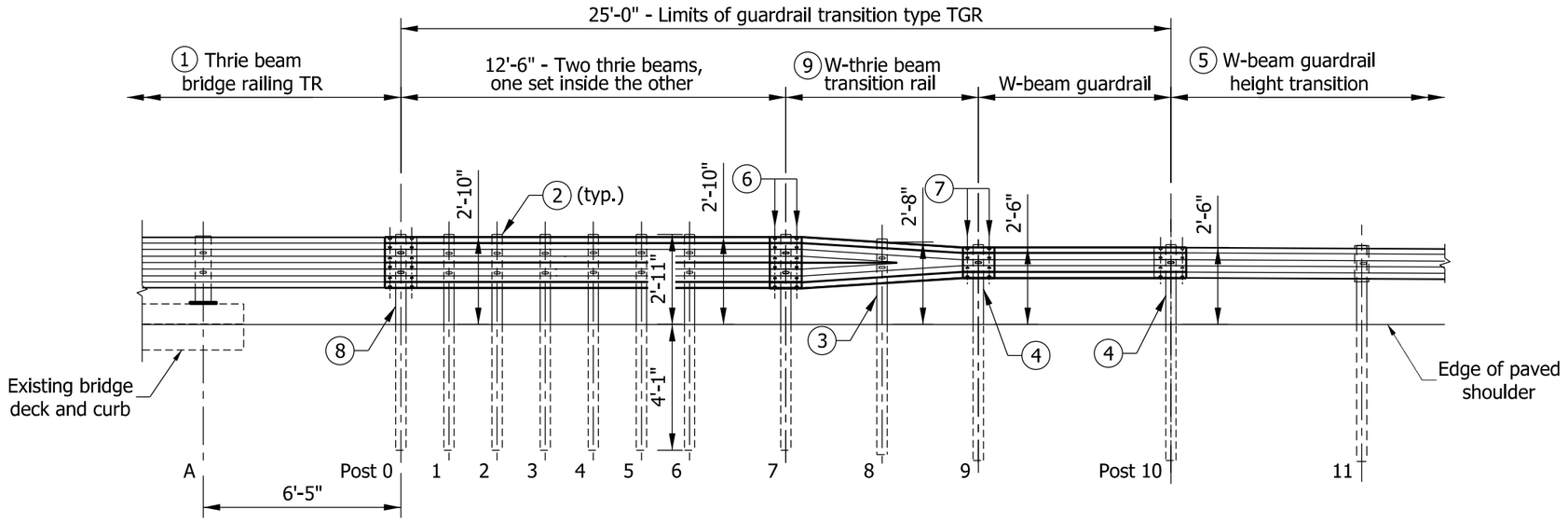
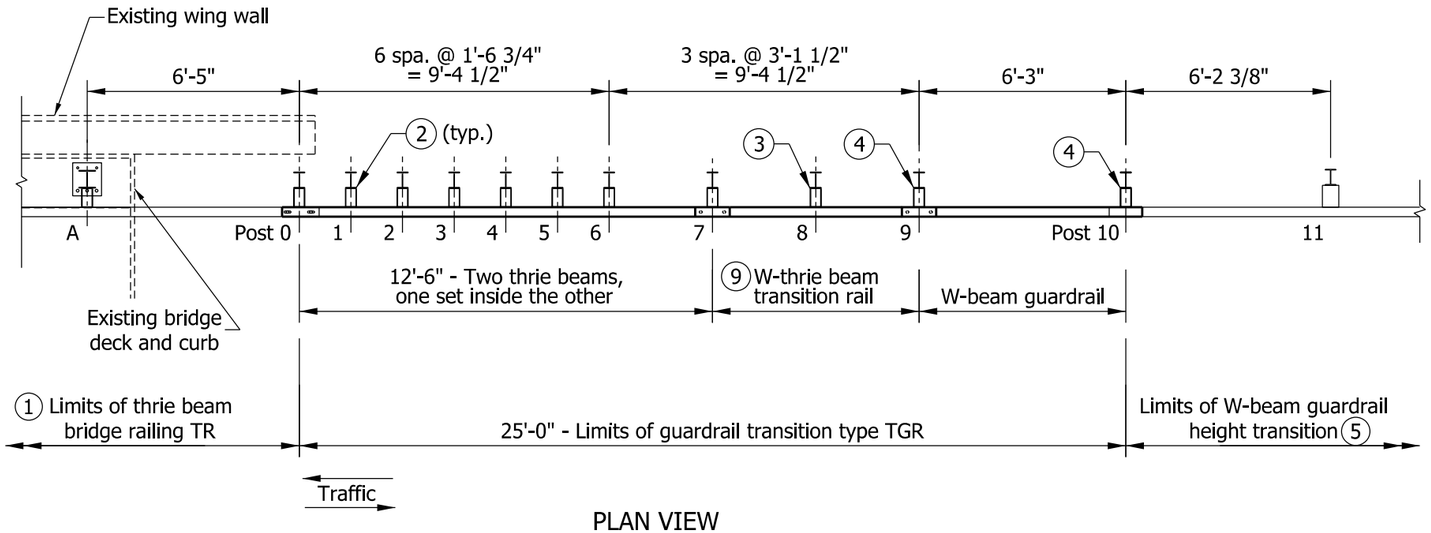


ELEVATION



PLAN VIEW

NOTES

1. See Standard Drawing E 706-BRTR-01 for thrie beam bridge railing TR.
2. TGB 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.
3. W-thrie beam transition post/blockout assembly. See Standard Drawing E 601-TTGB-04 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.
4. W-beam post/blockout assembly. 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 one 5/8" Ø x 1 1/4" std. button head bolt with rectangular plate washer, round washer, and recess nut.
5. See Standard Drawing E 706-BRTR-06 for W-beam guardrail height transition.
6. Twelve 5/8" Ø x 2" std. button head bolts with round washers and recess nuts, through rail sections.
7. Eight 5/8" Ø x 1 1/4" std. button head bolts with round washers and recess nuts.
8. Hand tighten post bolts on thrie beam expansion element and burr bolt threads.
9. See Standard Drawing E 601-TBGC-01 for W-thrie beam transition rail.

INDIANA DEPARTMENT OF TRANSPORTATION

RETROFIT THRIE BEAM GUARDRAIL TRANSITION TYPE TGR

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRTR-05

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

/s/ Richard L. Van Cleave 09/04/12
SUPERVISOR, ROADWAY STANDARDS DATE

/s/ Mark A. Miller 09/04/12
CHIEF ENGINEER DATE