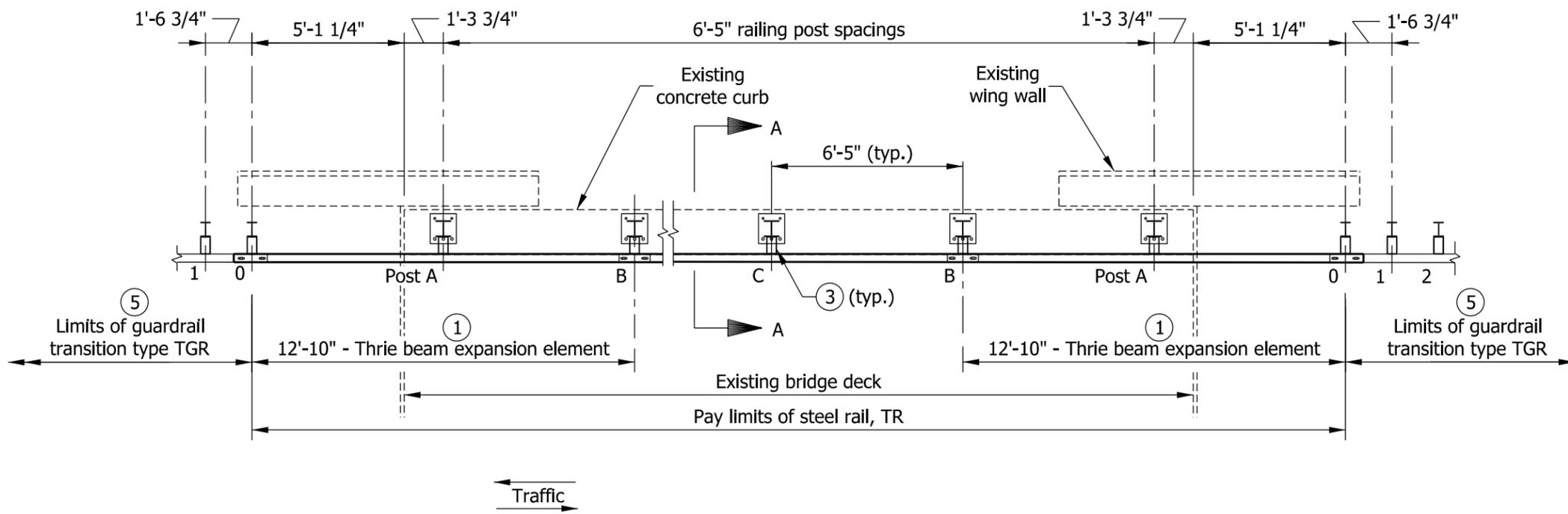


ELEVATION VIEW



PLAN VIEW

NOTES

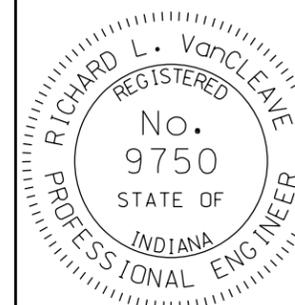
- ① See Standard Drawing E 706-BRTR-04 for thrie beam expansion element.
2. See Standard Drawing E 706-BRTR-02 for Section A-A.
- ③ Bridge railing post/blockout assembly. See Standard Drawing E 706-BRTR-03 for post and blockout details. Attach rail using two 5/8" Ø x 2" std. button head bolts with rectangular plate washers, round washers, and recess nuts.
- ④ Twelve 5/8" Ø std. button head bolts with round washers and recess nuts.
- ⑤ See Standard Drawing E 706-BRTR-05 for thrie beam guardrail transition type TGR.
- ⑥ Hand tighten post bolts on thrie beam expansion element and burr bolt threads.

INDIANA DEPARTMENT OF TRANSPORTATION

RETROFIT THRIE BEAM
BRIDGE RAILING TR

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRTR-01



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

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