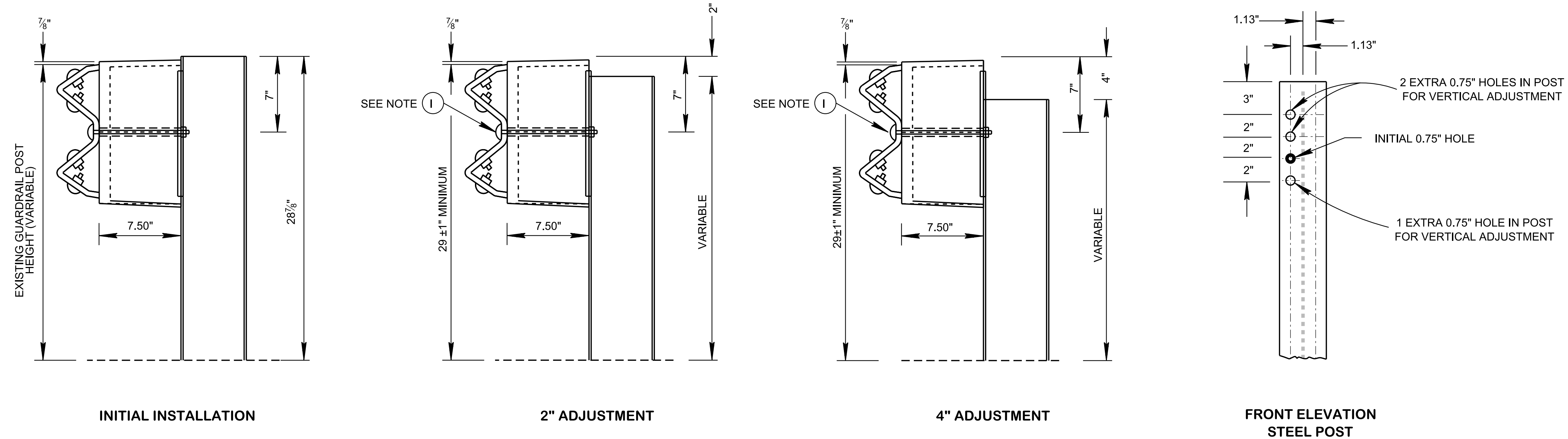


THIS DRAWING IS TO BE USED FOR RESURFACING, MAINTENANCE, AND BRIDGE REPAIR PROJECTS ONLY, THIS DRAWING IS NOT INTENDED TO BE USED FOR NEW CONSTRUCTION OR RECONSTRUCTION PROJECTS.

REV. 05-15-18: ADDED GENERAL NOTE (F), REFERRING TO TEXAS A & M TTI, TECHNICAL MEMORANDUM.
 REV. 06-28-19: ADDED NEW GENERAL NOTE (A) AND RENUMBERED NOTES (A) THRU (G), REVISED NOTE (C) AND ADDED NOTE (H), MOVED INSTALLATION NOTES FOR BLOCK-OUTS WITH HORIZONTAL ADJUSTMENT HOLES TO GENERAL NOTE NOS. (I). CHANGED DRAWING NO. AND REDREW SHEET.
 REV. 01-28-2022: REPLACED THE PAY ITEM NUMBER FROM 705-02.02 TO 706-05 ON GENERAL NOTE (H).



ADJUSTABLE STEEL POSTS AND BLOCK-OUTS
 (USING EXISTING ADJUSTMENT HOLES)

EXISTING GUARDRAIL HEIGHT ADJUSTMENT TABLE		
EXISTING HEIGHT	ADJUSTMENT	FINAL HEIGHT
24"	4"	28"
25" *	4"	29"
26" *	2"	28"
27" *	2"	29"

* GUARDRAIL HEIGHTS 25" OR MORE MAY REMAIN ON EXISTING ROADWAYS WITH POSTED SPEED LIMITS < 45 MPH AT LOCATIONS WITH NO FREQUENT CRASH HISTORY.

GENERAL NOTES

(A) THIS DRAWING IS TO BE USED FOR RESURFACING, MAINTENANCE, AND BRIDGE REPAIR PROJECTS ONLY, THIS DRAWING IS NOT INTENDED TO BE USED FOR NEW CONSTRUCTION OR RECONSTRUCTION PROJECTS.

(B) SEE STANDARD DRAWING S-GR28-2M FOR ADDITIONAL POST DETAILS AND SPECIFICATIONS.

(C) SEE STANDARD DRAWING S-GR31-1B FOR ADDITIONAL BOLT, WASHER AND NUT DETAILS AND SPECIFICATIONS.

(D) THE METAL POST SHOWN ON THIS SHEET MAY BE USED WITH WOOD OR COMPOSITE BLOCK-OUTS.

(E) ONLY RECYCLED PLASTIC OR WOOD GUARDRAIL BLOCK-OUTS LISTED ON THE TENNESSEE DEPARTMENT OF TRANSPORTATION'S QUALIFIED PRODUCTS LIST SHALL BE USED. SHOULD IT BECOME NECESSARY TO CHANGE THE BLOCK-OUT TYPE ON A GIVEN PROJECT, THE BLOCK-OUTS SHOULD NOT BE MIXED ON A GIVEN RUN OF GUARDRAIL.

(F) UP TO 4" BLOCK-OUT ADJUSTMENTS HAS BEEN EVALUATED UNDER MASH TL-3.

(G) THIS STANDARD DRAWING WAS DEVELOPED BASED ON TEXAS A&M TTI, TECHNICAL MEMORANDUM NAME: "PENDULUM TESTING ON COMPOSITE BLOCKOUTS RAISED ON STEEL POSTS", ROADSIDE SAFETY POOLED FUND, TEST REPORT NO.: 605311. NAME: "GUIDANCE FOR RAISING BEAM GUARDRAIL COMPOSITE BLOCK-OUT FOR RAIL HEIGHT ADJUSTMENT".

(H) GUARDRAIL HEIGHT ADJUSTMENT SHOULD BE COMPENSATED BASED ON PARTIAL PAYMENT OF ITEM NO. 706-05, GUARDRAIL ADJUSTMENT, L.F.

INSTALLATION NOTES FOR BLOCK-OUTS WITH HORIZONTAL ADJUSTMENT HOLES

(I) THE INITIAL INSTALLATION AND EACH ADJUSTMENT WILL REQUIRE ONE 5/8" DIAMETER X 9 1/2" LONG BUTTON HEAD BOLT WITH ROUND STEEL WASHER.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
 STANDARD DRAWING
 DEPARTMENT OF TRANSPORTATION

GUARDRAIL HEIGHT ADJUSTMENT