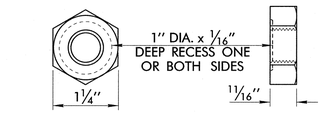
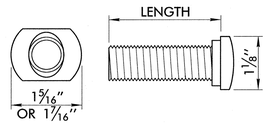
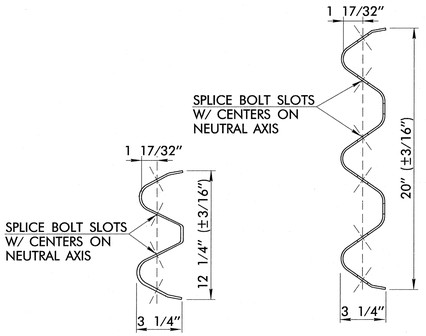
REVISIONS	
DESCRIPTION	DATE



5/8" DIA. BUTTON HEAD BOLT & RECESS NUT

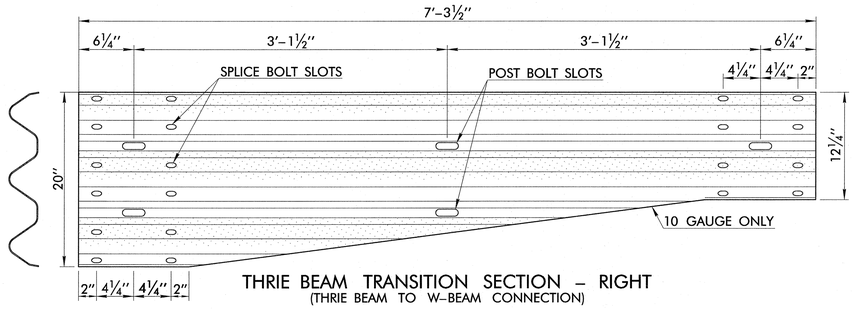


ALTERNATE BUTTON HEAD BOLT

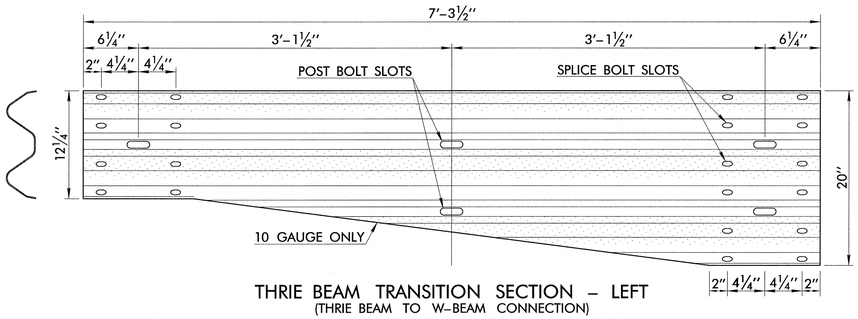


W–BEAM GUARDRAIL SECTION

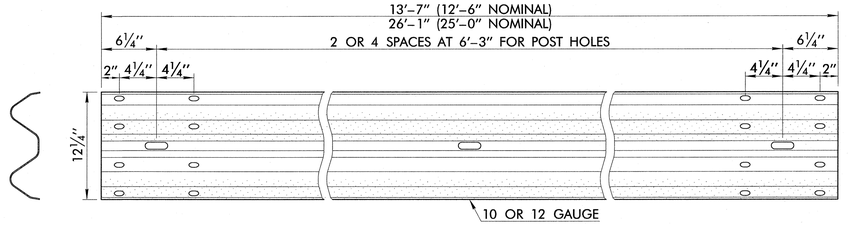
THRIE BEAM GUARDRAIL SECTION



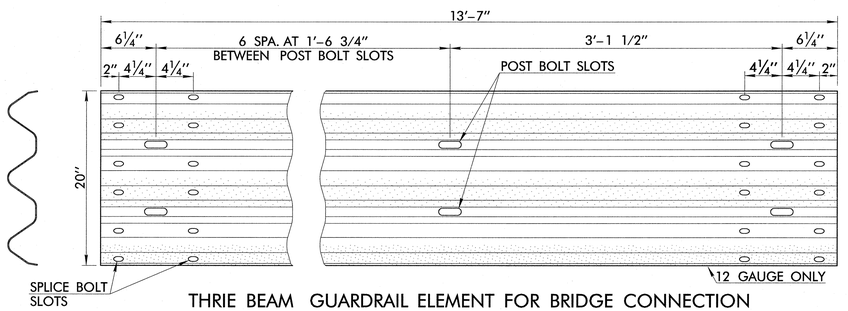
THRIE BEAM TRANSITION SECTION – RIGHT
(THRIE BEAM TO W–BEAM CONNECTION)



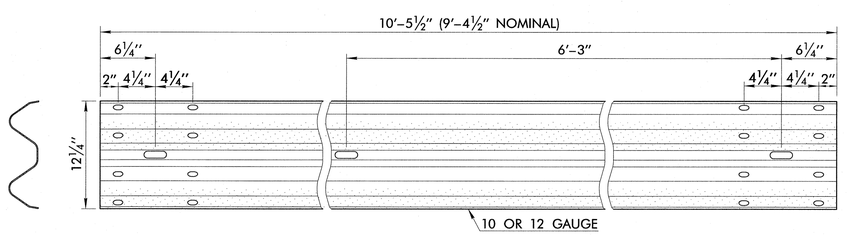
THRIE BEAM TRANSITION SECTION – LEFT
(THRIE BEAM TO W–BEAM CONNECTION)



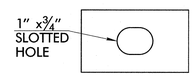
STANDARD W–BEAM GUARDRAIL ELEMENT (12'–6" OR 25'–0" NOMINAL LENGTH)



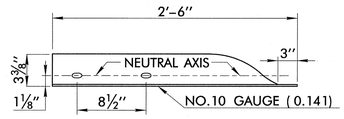
THRIE BEAM GUARDRAIL ELEMENT FOR BRIDGE CONNECTION

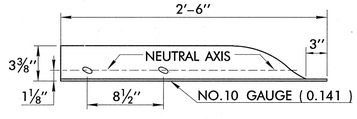


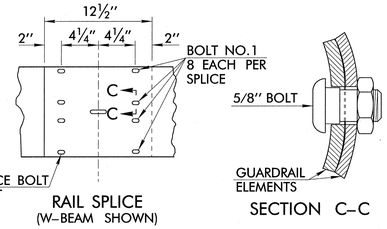
SPECIAL W–BEAM GUARDRAIL ELEMENT (9'–4 1/2" NOMINAL LENGTH)



3" x 1 3/4" x 3/16" BEAM WASHER





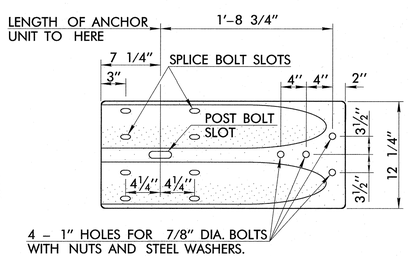


RAIL SPLICE
(W–BEAM SHOWN)

SECTION C–C

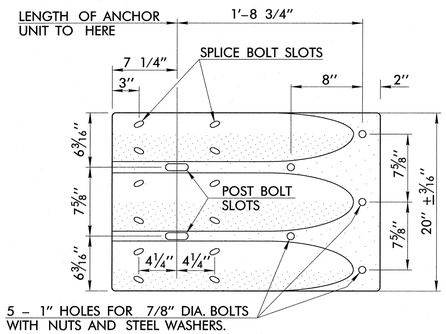
GUARDRAIL SHALL BE LAPPED IN THE DIRECTION OF NEAREST TRAFFIC AT ALL LOCATIONS WHERE SPLICES OCCUR (EXCEPT AT NARROW OR ONE LANE BRIDGE APPROACHES, WHERE LAPS SHALL BE TOWARD THE BRIDGE ON BOTH SIDES OF THE APPROACH ROADWAY).

RAIL SPLICE



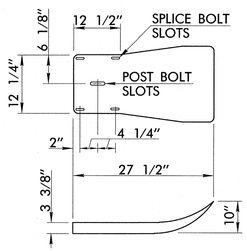
4 – 1" HOLES FOR 7/8" DIA. BOLTS WITH NUTS AND STEEL WASHERS.

W–BEAM TERMINAL CONNECTION
10 GAUGE ONLY (END SHOE)



5 – 1" HOLES FOR 7/8" DIA. BOLTS WITH NUTS AND STEEL WASHERS.

THRIE BEAM TERMINAL CONNECTION
10 GAUGE ONLY (END SHOE)



W–BEAM END SECTION (FLARED)

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 ODOT STANDARD SPECIFICATIONS.
2. ALL GUARDRAIL BEAMS, END SHOES, AND END SECTIONS ON THIS STANDARD DRAWING SHALL BE IN ACCORDANCE WITH AASHTO M 180.
3. ALL SPLICE BOLT SLOTS SHALL BE 29/32" WIDE x 1 1/8" LONG.
4. ALL POST BOLT SLOTS SHALL BE 3/4" WIDE x 2 1/2" LONG.

APPROVED BY TRAFFIC ENGINEER: David Streeter DATE: 4/9/12

TRAFFIC STANDARD

GUARDRAIL AND HARDWARE
(2 OF 2)
(31" SYSTEM)

2009 SPECIFICATIONS	GHW2–1	00
		T–606