

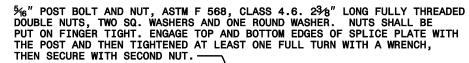
- BACKUP PLATE

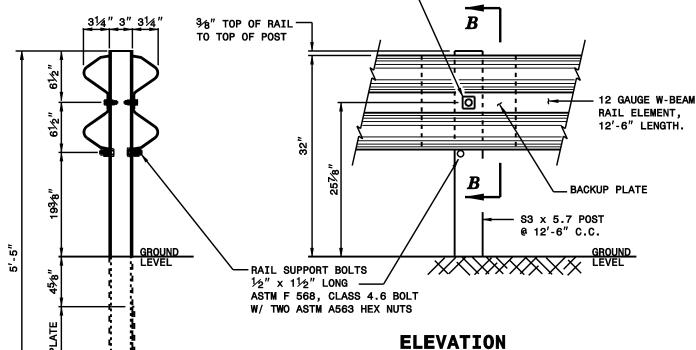
-34"x 2½"

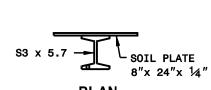
SLOTTED HOLES

POST DETAIL.

FOR POST BOLTS, SEE TYPICAL INSTALLATION AT







15/6" x 13/6" SLOTTED HOLES

SEE DETAIL A.

FOR SPLICE BOLTS,

PLAN

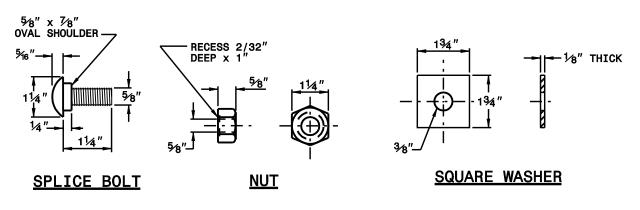
POST FLANGE 2 SQUARE ROUND WASHERS WASHER 5/6" ASTM F568 CLASS 4.6 BOLT, 23/8" LONG DOUBLE NUTS ASTM F568, W-BEAM CLASS 4.6 -12 GAGE W-BEAM

S3 x 5.7

BACKUP PLATE SEE NOTE 3

SECTION B-B

TYPICAL INSTALLATION



GENERAL NOTES: TRAFFIC DIRECTION

12'-6"

2" TYP.

END OF W-BEAM-

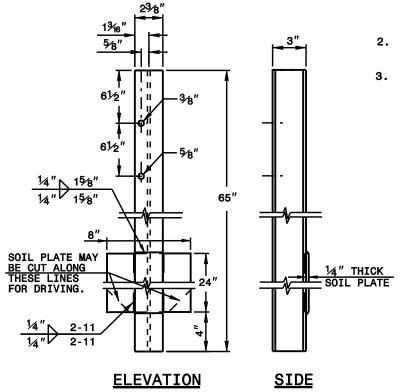
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W-BEAM RAIL ELEMENT

AT MID-SPAN SPLICE

- 1. DURING ERECTION, USE SUPPORT BOLTS TO SUPPORT THE RAIL ELEMENT UNTIL THE $\$_{\rm 16}"$ POST BOLTS ARE PROPERLY TORQUED. LEAVE SUPPORT BOLTS IN PLACE AFTER CONSTRUCTION.
- 2. ATTACH W-BEAM RAIL TO EACH POST. SPLICE ONLY AT MID-SPAN AND LAP IN THE DIRECTION OF TRAFFIC.
- USE 12" BACKUP PLATES FOR THE W-BEAM RAIL AT ALL POSTS WITH THE SAME SECTION AS THE W-BEAM RAIL.



DETAIL OF DOUBLE FACED WEAK POST **GUARDRAIL INSTALLATION** SHEET 1 OF 2

ORIGINAL BY: PENN DOT MODIFIED BY: E.E. WAR __ DATE: <u>4-16-01</u> __ DATE: <u>6-9-01</u>

PROJECT SERVICES UNIT STANDARDS AND SPECIAL DESIGN Office 919-250-4128 FAX 919-250-4119

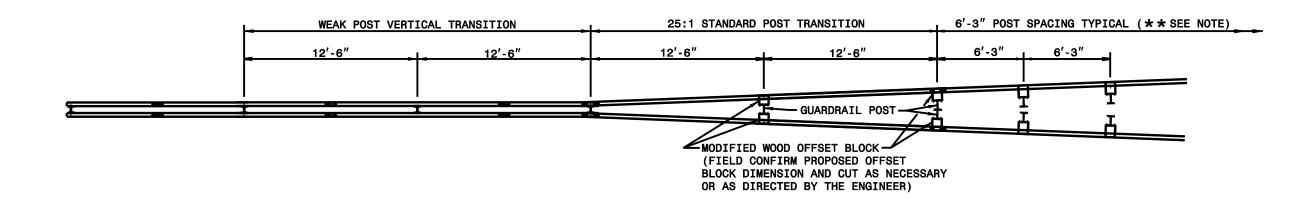
DETAIL A

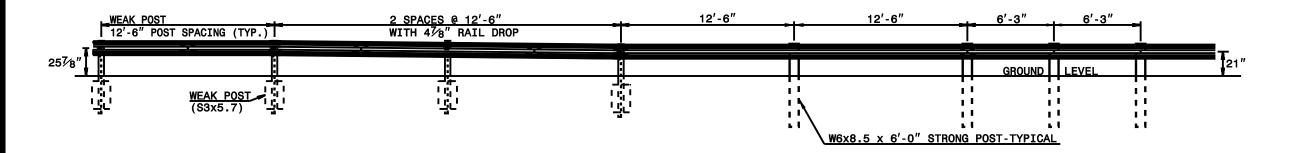
TYPICAL SECTION

DETAIL B

WEAK POST S3 x 5.7

PROJECT REFERENCE NO. SHEET NO.





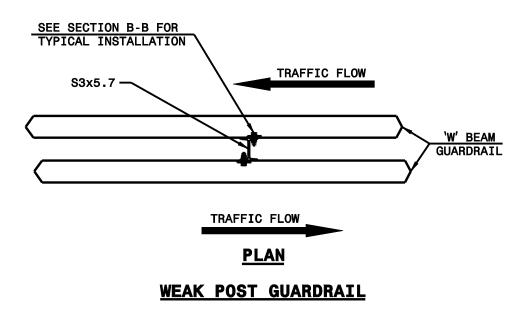
WEAK POST TO STRONG POST TRANSITION

NOTES:

DOUBLE FACE WEAKPOST GUARDRAIL TRANSITIONS TO SINGLE FACE STRONG POST GUARDRAIL AT BRIDGE PIERS AND SIGN SUPPORT.

** WHEN TRANSITIONING TO GUARDRAIL ANCHOR UNITS (SEE STD. 862.03) AT BRIDGE PIERS AND SIGN SUPPORTS, CONTINUE 25:1
GUARDRAIL TAPER UNTIL GUARDRAIL CONNECTS WITH GUARDRAIL ANCHOR UNIT OR AS DIRECTED BY THE ENGINEER. USE
STANDARD GUARDRAIL POST SPACING (6'-3") BEYOND TRANSITION WHEN CONNECTING TO EXISTING GUARDRAIL.

SEE STANDARD DRAWING 862.02 FOR STANDARD W6x8.5 x 6'-0" STRONG POST AND OFFSET BLOCK DIMENSIONS.



HHS.HOT SHIPATOHS UNTIT STANDARDS AND SPECIAL DESIGN Office 919-250-4128 FAX 919-250-4119 DETAIL OF DOUBLE FACED WEAK POST GUARDRAIL INSTALLATION SHEET 2 OF 2

ORIGINAL BY: L. ROBINSON DATE: 3-5-96
MODIFIED BY: E.E. WARD DATE: 6-16-01
CHECKED BY: DATE: FILE SPEC:: DS172:weakpost.don

