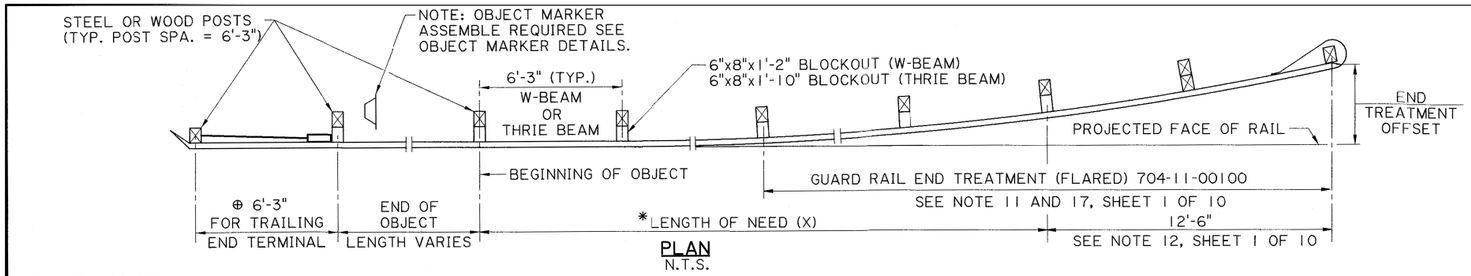
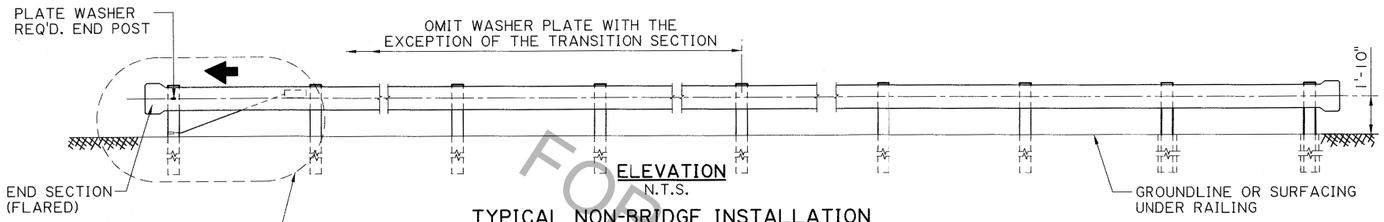


PLAN
N.T.S.

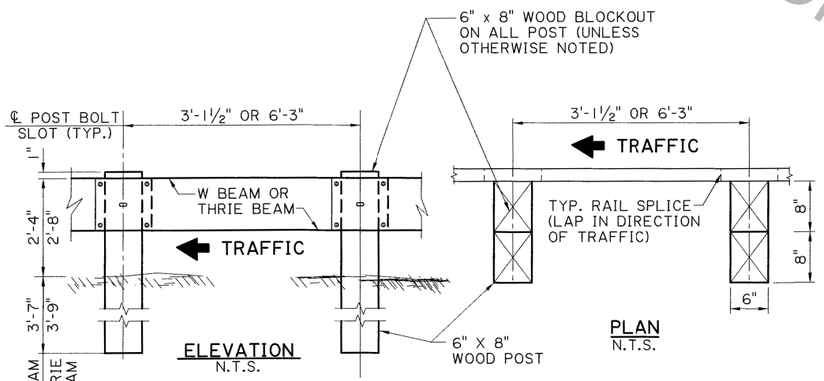


ELEVATION
N.T.S.

TYPICAL NON-BRIDGE INSTALLATION

* SEE SHT. 3 OF 10 FOR BRIDGE BARRIER OR OTHER CONCRETE BARRIER TO GUARDRAIL TRANSITION DETAILS.

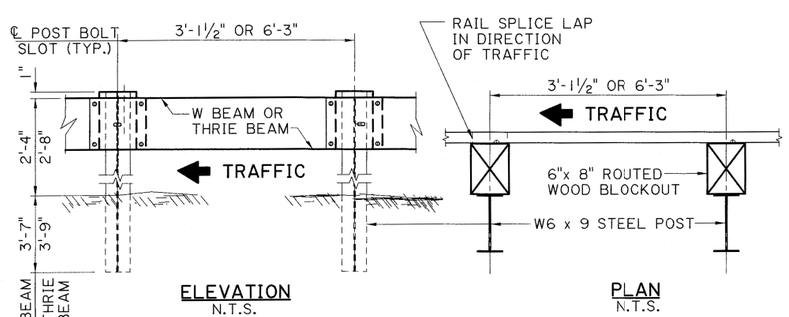
⊕ USE GUARDRAIL END TREATMENT IF WITHIN CLEAR ZONE OR AS SHOWN ON GUARDRAIL LAYOUT.



ELEVATION
N.T.S.

PLAN
N.T.S.

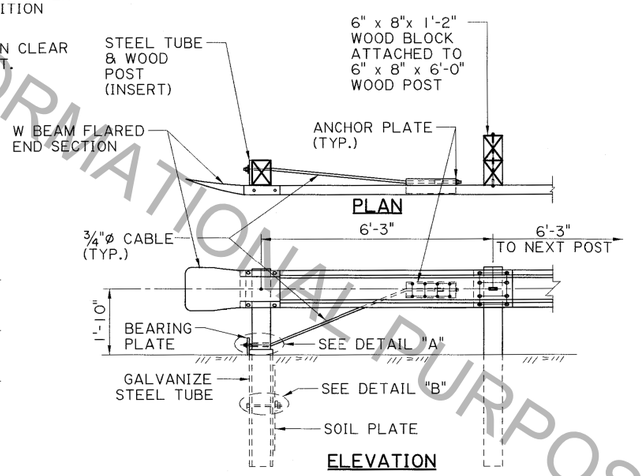
DETAIL OF 6" x 8" WOOD POSTS AND WOOD BLOCKS-STD. GUARD RAIL



ELEVATION
N.T.S.

PLAN
N.T.S.

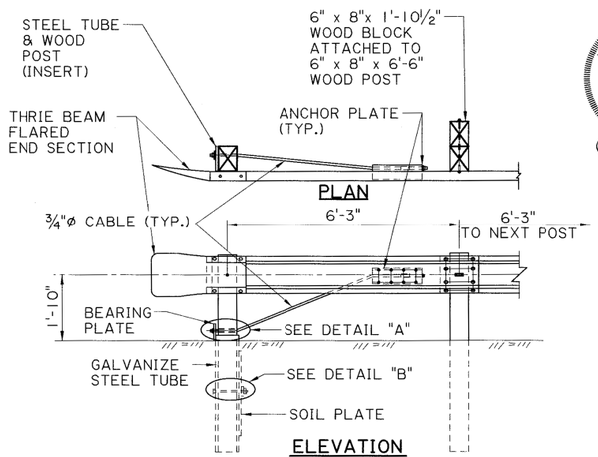
DETAIL OF W6 x 9 STEEL POSTS AND WOOD BLOCKS-STD. GUARD RAIL



PLAN

ELEVATION

TYPICAL W BEAM TRAILING END
N.T.S.



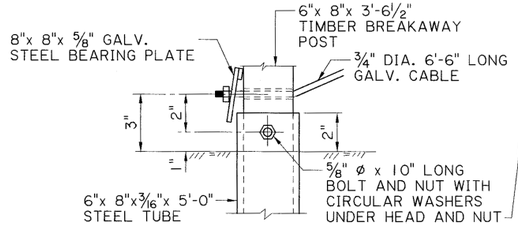
PLAN

ELEVATION

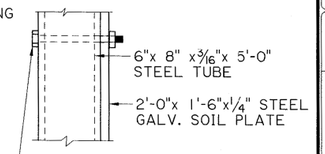
TYPICAL THRIE BEAM TRAILING END
N.T.S.

NOTES:

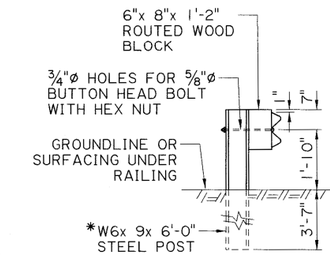
1. INTERMIXING OF STEEL AND WOOD POSTS IN ANY ONE SECTION OF THE GUARD RAIL SHALL NOT BE PERMITTED.
2. GUARD RAIL SHALL NOT BE PLACED CLOSER TO THE TRAVELED WAY THAN THE OUTSIDE EDGE OF THE SHOULDER. THE OFFSET TO THE FACE OF THE NOSE OF THE END TREATMENT SHALL BE AS PER THE MANUFACTURER'S RECOMMDATIONS, FROM THE PROJECTED FACE OF THE RAIL.
3. ALL MATERIAL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
4. WOOD POST AND BLOCKS: TREATMENT SHALL BE IN ACCORDANCE WITH DOTD STANDARD SPECTIFICATIONS SECTION 1014. POST AND BLOCKS SHALL EITHER BE ROUGH SAWED (UNPLANED) OR S4S WITH NOMINAL DIMENSION INDICATED.THE SIZE TOLERANCE OF ROUGH SAWED TIMBER IN THE DIRECTION OF THE BOLT HOLES SHALL NOT BE MORE THAN +¼".
5. STEEL POST AND WOOD BLOCKS (THRIE BEAM ONLY): BLOCK MOUNTS TO POST WITH 2-BOLTS, RAIL MOUNTS TO BLOCK WITH BOLT ON APPROACHING TRAFFIC SIDE OF BLOCK AND POST WEB.
6. FOR DETAILS OF SOIL PLATE, ANCHOR PLATE, AND ¾" CABLE, SEE SHT. 9 OF 10. FOR BREAKAWAY TIMBER POST AND GALV. STEEL TUBE, SEE SHT. 7 OF 10.



DETAIL "A"
N.T.S.

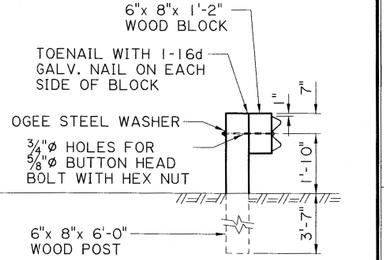


DETAIL "B"
N.T.S.

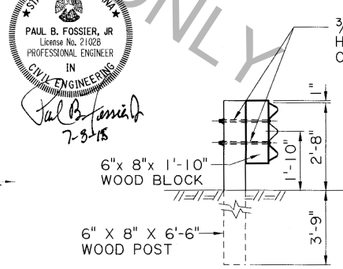


TYPICAL SECTION AT STEEL POST & WOOD BLOCK (W-BEAM)

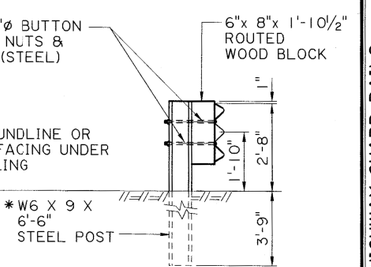
*W6x8.5 MAY BE USED AS AN ALTERNATE



TYPICAL SECTION AT WOOD POST & WOOD BLOCK (W-BEAM)
N.T.S.



TYPICAL SECTION AT WOOD POST & WOOD BLOCK (THRIE BEAM)
N.T.S.



TYPICAL SECTION AT STEEL POST & WOOD BLOCK (THRIE BEAM)
W6x 8.5 MAY BE USED AS ALTERNATE FOR STEEL POST ATTACHED TO CONCRETE, SEE SHT. 10 OF 10.
N.T.S.

STANDARD W-BEAM & THRIE BEAM GUARD RAIL SECTIONS
(FOR BRIDGE CONCRETE BARRIER TO GUARD RAIL TRANSITION DETAILS, SEE SHT. 3 OF 10)

PAUL B. FOSSIER, JR
License No. 21028
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7-9-15

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER		
PARISH	CONTROL SECTION	STATE PROJECT
DESIGNED P. FOSSIER CHECKED K. BRAUNER	DETAILED C. OWENS CHECKED P. FOSSIER	SERIES NUMBER MARCH 2015 4 OF 10

HIGHWAY GUARD RAILS
GUARD RAIL LAYOUT AND SECTIONS
GR-200

REVISION DESCRIPTION	BY	DATE: 7-13-2015
REVISED W-BEAM AND THRIE BEAM GUARDRAIL HEIGHT	P. F.	
DATE 3-2-15	APPROVED BY CHIEF ENGINEER:	P. W. Williams

BRIDGE AND STRUCTURAL DESIGN

08:01
8/6/2015
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