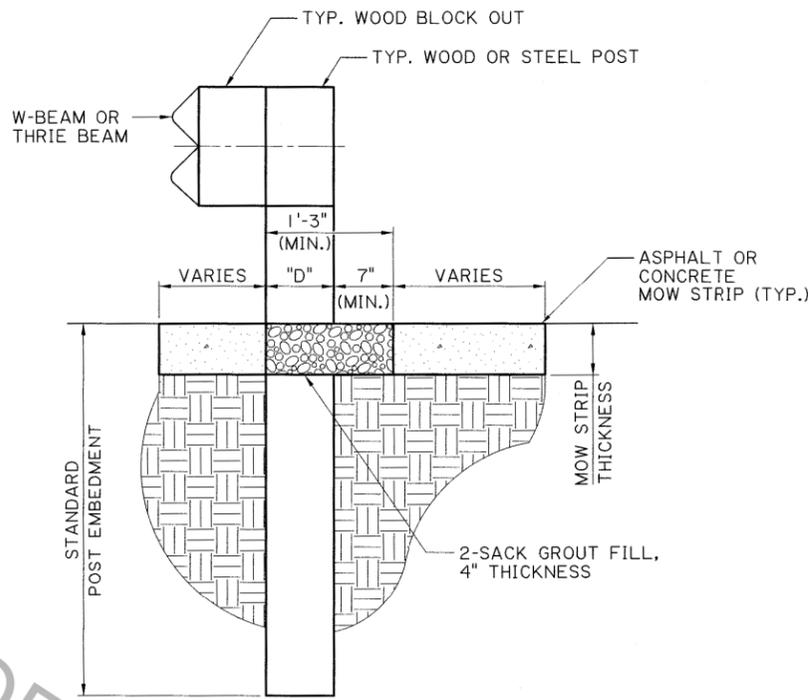


PLAN

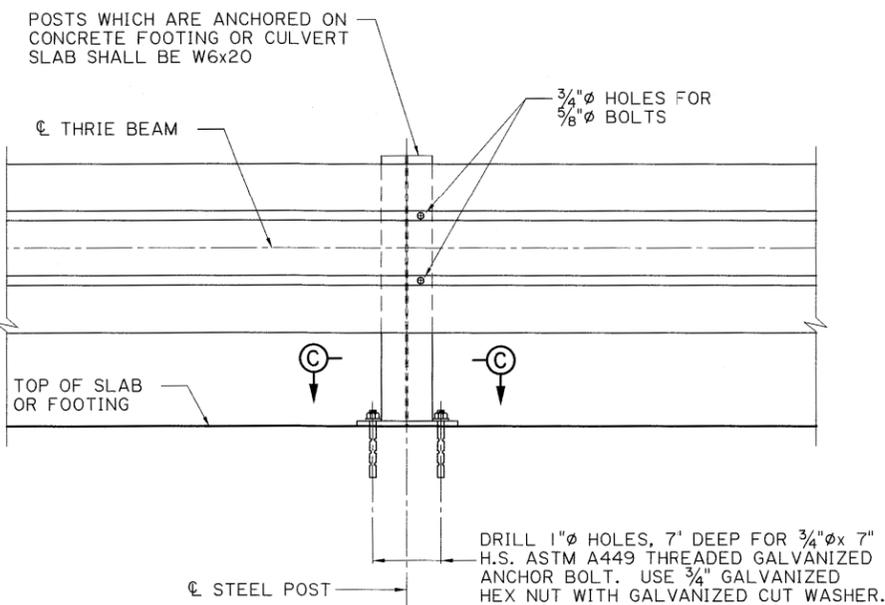


SECTION A-A

**W-BEAM AND THRIE-BEAM GUARD RAIL INSTALLATIONS
FOR CONCRETE OR ASPHALT PAVEMENT MOWING STRIPS
(FOR WOOD OR STEEL POSTS)**

MOW STRIP NOTES:

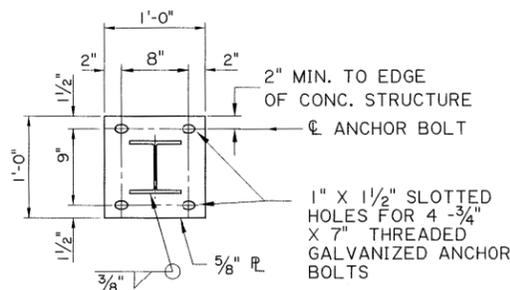
- 1) ALL GUARDRAIL POSTS LOCATED WITHIN CONCRETE OR ASPHALT MOW STRIPS SHALL MEET INSTALLATION REQUIREMENTS SHOWN ON THIS SHEET.
- 2) USE A 2-SACK NON-SHRINK GROUT FILL WITH A MAXIMUM COMPRESSIVE STRENGTH OF 120 PSI
- 3) ALL LABOR AND MATERIALS TO PLACE 2-SACK GROUT FILL (4" THICKNESS) SHALL BE INCLUDED IN PAYMENT FOR CONCRETE OR ASPHALT PAVING PAY ITEMS.



STEEL POST ATTACHED TO CONCRETE

SPECIAL POST WITH BASE PLATE TO BE USED WHEN REQUIRED EMBEDMENT OF CONVENTIONAL POST IN SOIL CANNOT BE OBTAINED.

W6 X 20 STEEL POST TO USE 8" X 8" WOOD BLOCK AS SHOWN ON SHT. 7 OF 10 ON DETAIL FOR STEEL POST AND ROUTED WOOD BLOCK FOR THRIE BEAM TRANSITION TO BRIDGE RAIL DETAIL.



SECTION C-C - GALVANIZED STEEL BASE PLATE

ANCHOR BOLT INSTALLATION

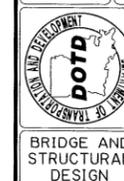
ALL HOLES (VERTICAL OR HORIZONTAL) DRILLED INTO AN EXISTING CONCRETE STRUCTURE SHALL BE CLEANED WITH COMPRESSED AIR AND MAKE THEM FREE OF ANY OIL OR RESIDUE. HOLES SHALL BE FILLED WITH EPOXY INJECTION SYSTEM AS LISTED ON QPL 40. PLACE ANCHOR BOLT IN HOLE IMMEDIATELY AND WAIT FOR THE MANUFACTURERS CURE TIME.



FOR INFORMATIONAL PURPOSES ONLY

DESIGNED BY	P. FOSSIER	PARISH	
CHECKED BY	K. BRAUNER	CONTROL SECTION	
DRAWN BY	C. OWENS	STATE	
CHECKED BY	P. FOSSIER	PROJECT	
DATE	MARCH 2015		
APPROVED BY			
CHIEF ENGINEER			
REVISION DESCRIPTION			
DATE	7-13-2015		
BY			
CHIEF ENGINEER			

HIGHWAY GUARD RAILS
MISCELLANEOUS DETAILS



BRIDGE AND STRUCTURAL DESIGN