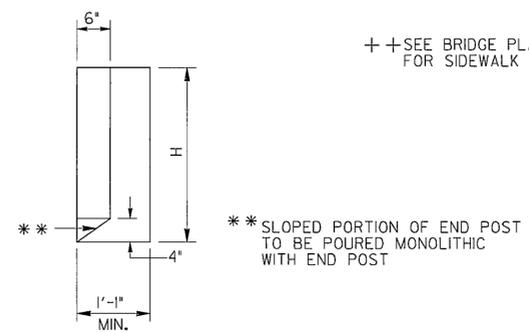
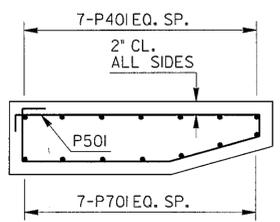
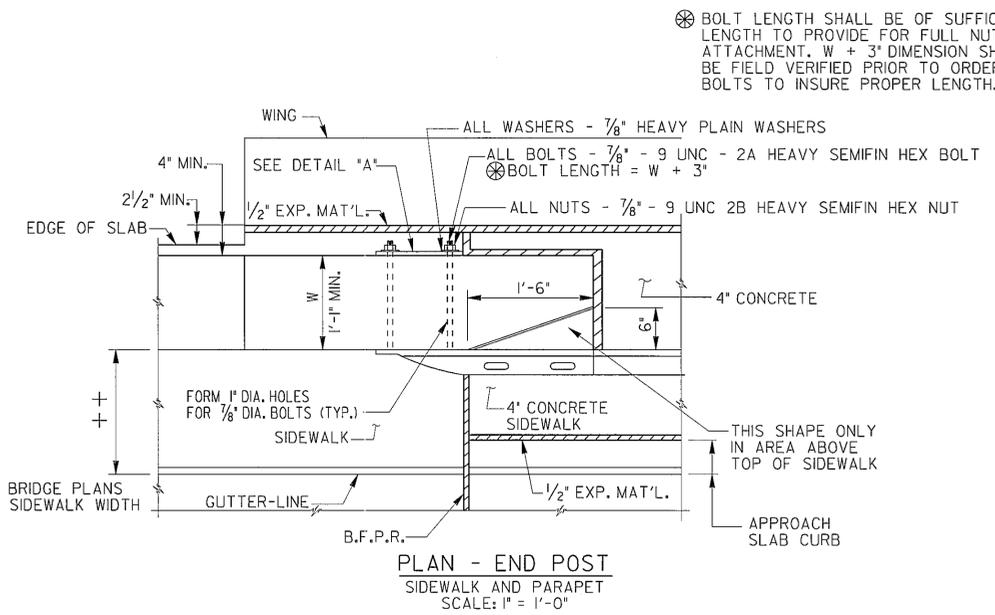
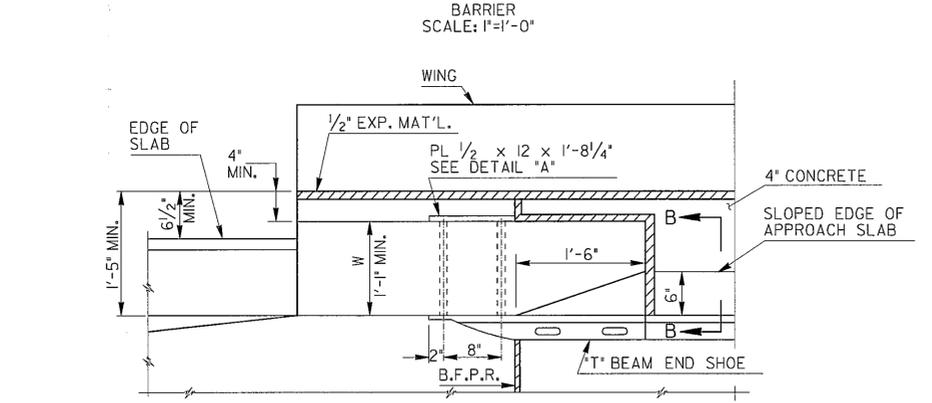
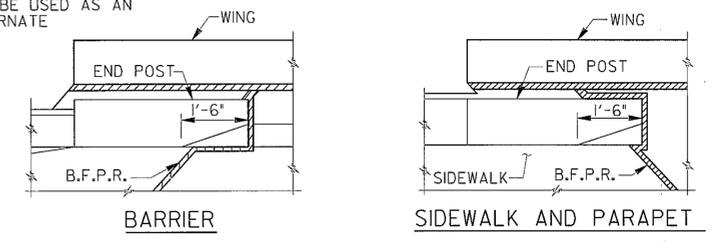
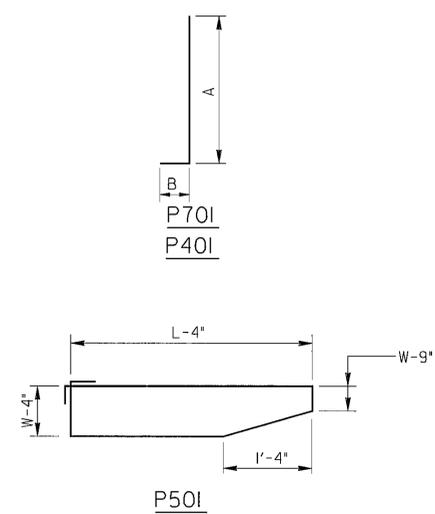
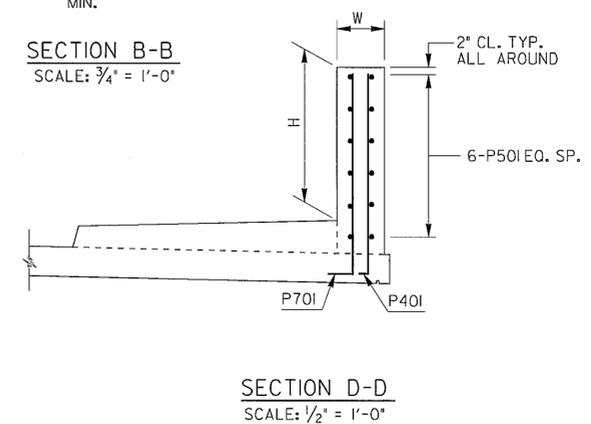
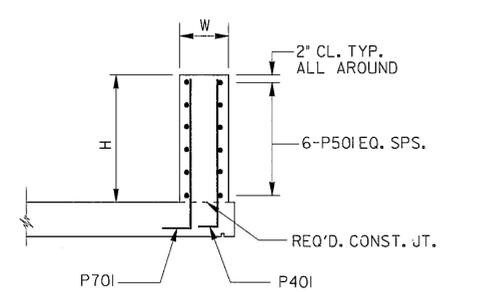


MATERIALS	
ITEM	SPECIFICATIONS
GUARDRAIL	A.A.S.T.H.O. SPECIFICATION M 180
1/2" PLATE	A.S.T.M. DESIGNATIONS A-36
NUTS & BOLTS	A.S.T.M. DESIGNATION A-307
WASHERS	MEDIUM STEEL
GALVANIZING	A.S.T.M. A-153



NOTE: IF END POST IS ON SUBSTRUCTURE, SEE BRIDGE PLANS FOR BARS THAT DOWEL FROM BELOW.



NO. BARS REQ'D		
MARK	BARRIER	SIDEWALK
P40I	7	7
P50I	6	6
P70I	7	7

FOR END POST ON SUPERSTRUCTURE:
A = H - 4' + SLAB DEPTH (FOR BARRIER)
A = H - 4' + SIDEWALK DEPTH + SLAB DEPTH (FOR SIDEWALK AND PARAPET)
B = 1'-0"

FOR END POST ON SUBSTRUCTURE:
A = H - 2'
B = 0"

NOTE: ROTATE P70I AND P40I AS NECESSARY TO MAINTAIN 2" MIN. CL. IN CONCRETE.

- SPECIFICATIONS - GEORGIA STANDARD.
- LOCATION - ALL END POSTS UNLESS NOTED ON BRIDGE PLANS.
- CHAMFER - CHAMFER ALL EXPOSED EDGES 3/4".
- GALVANIZING - ALL METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION.
- PAYMENT FOR MISCELLANEOUS HARDWARE - COST OF 1/2" PLATE AND MISCELLANEOUS HARDWARE SHALL BE INCLUDED IN THE PRICES BID FOR CONTRACT ITEMS.
- PAYMENT FOR THE END POST - IF END POST IS A PORTION OF THE SUBSTRUCTURE, CONCRETE AND REINFORCEMENT ARE COMPUTED AND INCLUDED IN THE END BENT QUANTITIES.
IF END POST IS A PORTION OF THE SUPERSTRUCTURE, CONCRETE AND REINFORCEMENT ARE COMPUTED AND INCLUDED IN THE END SPAN QUANTITIES.
- RESPONSIBILITY - WHEN THE BRIDGE CONTRACT IS SEPARATE FROM THE CONTRACT CONTAINING THE APPROACHING GUARDRAIL, THE BRIDGE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR THE CONSTRUCTION OF THE END POSTS AND FORMING OF THE 1" DIAMETER BOLT HOLES. THE CONTRACT CONTAINING THE APPROACHING GUARDRAIL SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING THE SPECIAL END SHOE, PLATE, NUTS, WASHERS, AND BOLTS.
- DIMENSIONS - FOR DIMENSIONS "L", "H", AND "W" AND OTHER DIMENSIONS, SEE BRIDGE PLANS.
- END POST - END POST TO BE CONSTRUCTED AFTER HANDRAIL IS IN PLACE.
END POST TO BE CONSTRUCTED AFTER BARRIER IS CONSTRUCTED WHEN NO HANDRAIL IS USED.

REV. TRANSITION		9-30-02	DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REDRAWN		6-30-98	REVISION		STANDARD END POST AND END POST GUARDRAIL ATTACHMENT DETAILS	
G.D.P.		BY		SCALE: AS SHOWN		MAY 1989
CHECKED H.W.C.		DESIGNED H.W.C.		(SUBMITTED)		NUMBER
		DRAWN E.R.M.		STATE ROAD		3054
		CHECKED H.W.C.		(APPROVED)		
				<i>James H. Beaulieu</i> AIRPORT DESIGN ENGINEER <i>Paul J. Condit</i> CHIEF ENGINEER		