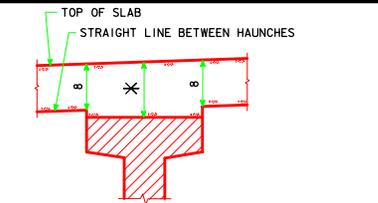
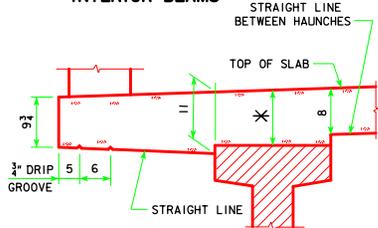


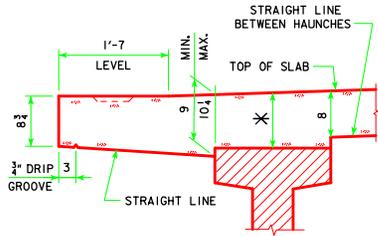
REVISED 06-12 - I.M. REQUIREMENT ADDED TO BAR CHAIR NOTE.



INTERIOR BEAMS

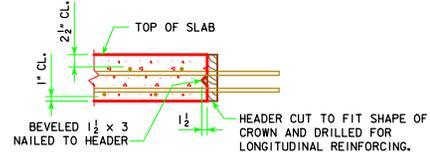


EXTERIOR BEAMS @ OPEN RAIL

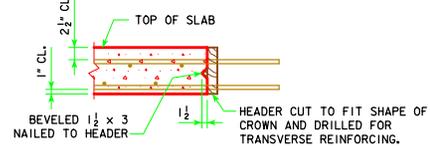


**EXTERIOR BEAMS @ BARRIER RAIL
TYPICAL SLAB AND HAUNCH DETAIL**

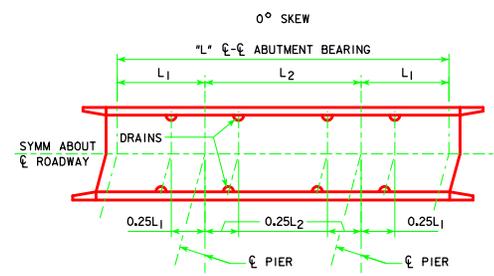
* FOR SLAB THICKNESS OVER BEAMS SEE * SLAB THICKNESS DETAILS * ON SHEET H30-03-06.



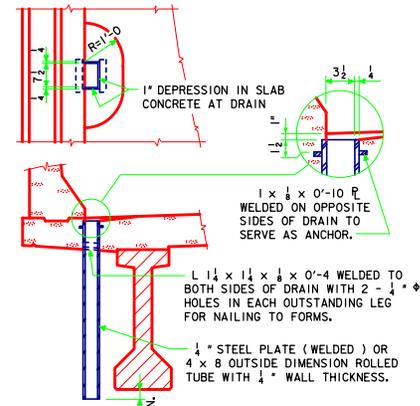
TRANSVERSE SLAB CONSTRUCTION JOINT



LONGITUDINAL SLAB CONSTRUCTION JOINT



**SITUATION SKETCH
(SHOWING DRAIN LOCATIONS)**



DRAIN DETAILS

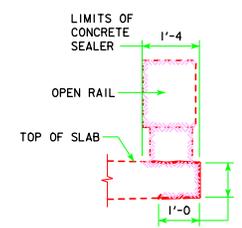
USE FOR BARRIER RAIL ONLY. NOT REQUIRED FOR OPEN RAIL.

NOTE : DRAINS ARE TO BE GALVANIZED AFTER FABRICATION. SEE "SITUATION SKETCH" FOR LOCATION OF DRAINS. WEIGHT OF DRAINS IS INCLUDED IN THE QUANTITY FOR "STRUCTURAL STEEL". WEIGHT IS BASED ON ROLLED TUBE.

DATA FOR ONE DRAIN			
BEAM SIZE	A	B	C
WT. LBS.	85	96	106
LENGTH FT.	4'-4 3/4"	4'-11 1/4"	5'-5 3/4"

GENERAL NOTES:

- CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2" UNLESS OTHERWISE NOTED OR SHOWN.
- ALL REINFORCING BARS ARE TO BE SECURELY WIRED IN PLACE AND ADEQUATELY SUPPORTED ON BAR CHAIRS BEFORE CONCRETE IS PLACED. I.M. 451.01 REQUIREMENTS SHALL APPLY FOR BAR CHAIRS.
- ALL PRESTRESSED CONCRETE BEAMS ARE TO BE SET VERTICAL.
- FORMS FOR THE SLAB AND RAILS ARE TO BE SUPPORTED BY THE PRESTRESSED CONCRETE BEAMS.
- WEIGHT OF DRAINS IS INCLUDED IN THE STRUCTURAL STEEL QUANTITY.
- THE PIER AND ABUTMENT DIAPHRAGM CONCRETE IS TO BE PLACED MONOLITHICALLY WITH THE FLOOR SLAB.
- ALL REINFORCING STEEL IS TO BE GRADE 60.
- COST OF ALL PREFORMED EXPANSION JOINT FILLER MATERIAL IS TO BE INCLUDED IN THE PRICE BID FOR "STRUCTURAL CONCRETE (BRIDGE)".



CONCRETE SEALER LIMITS FOR OPEN RAILS

CONCRETE SEALER SHALL BE APPLIED TO BOTH SIDES OF BRIDGE SLAB ON THE TOP, EDGE OF SLAB AND UNDER THE SLAB. THE CONCRETE SEALER SHALL ALSO BE APPLIED TO THE OPEN RAIL ON THE TOP, TRAFFIC FACE SIDE, BOTTOM OF RAIL, AND ON ALL SIDES OF THE OPEN RAIL POSTS.

THE CONCRETE SEALER LIMITS ARE SHOWN IN THE DETAIL AND SHALL APPLY TO THE FULL LENGTH OF BRIDGE. CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH ARTICLE 2403.03, P. 3, OF THE STANDARD SPECIFICATIONS.

LATEST REVISION DATE 06-12	APPROVED BY BRIDGE ENGINEER <i>Thomas E. M. Donnell</i>	
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006
		SUPERSTRUCTURE DETAILS H30-04-06