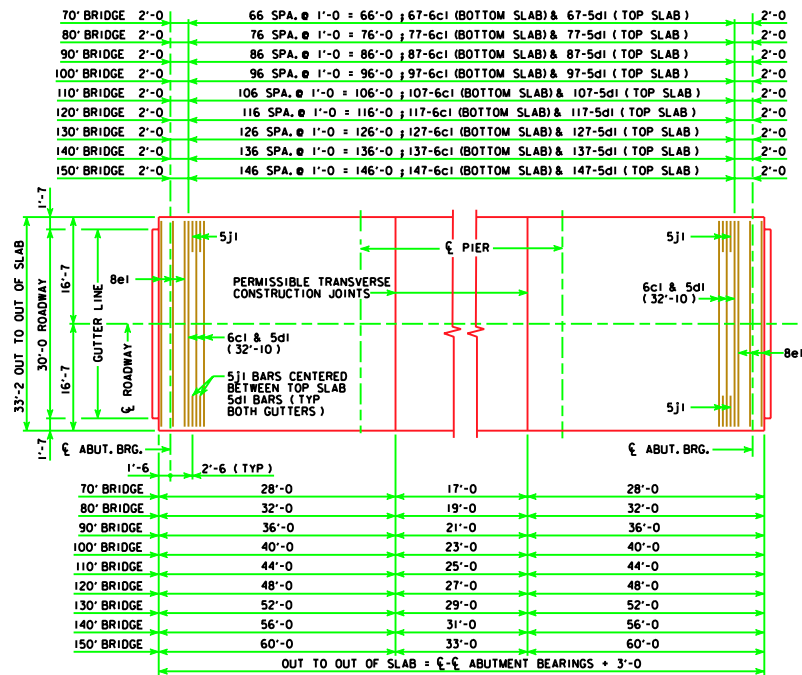
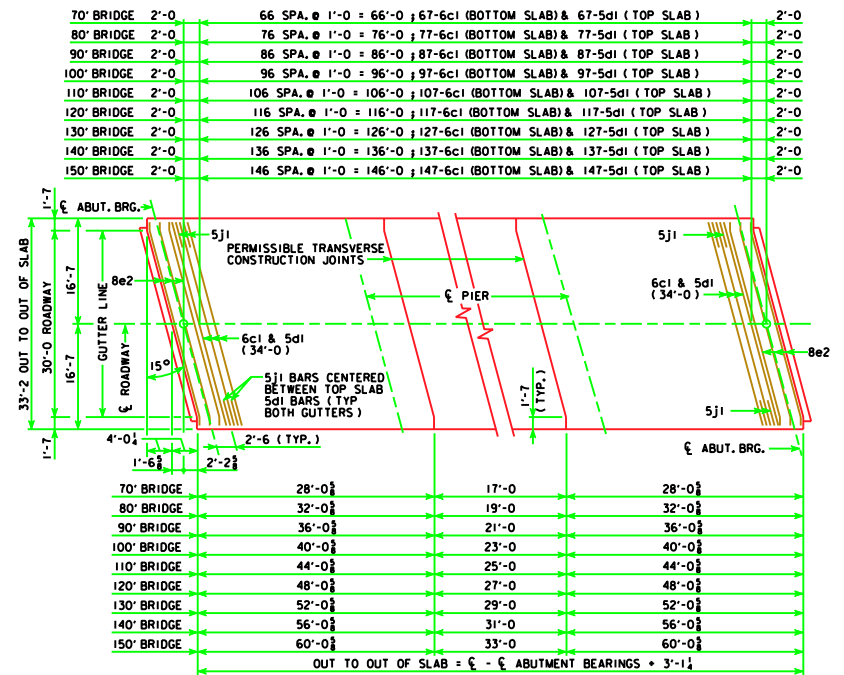


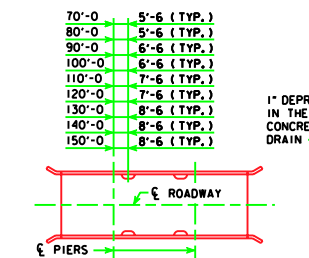


0° SKEW



15° SKEW

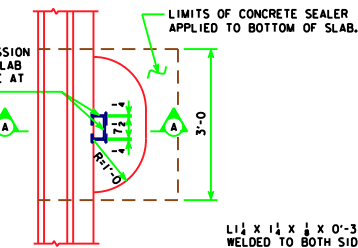
TRANSVERSE REINFORCING STEEL LAYOUT



FLOOR DRAIN LOCATION
NOTE: 4" X 8" OUTSIDE DIMENSION ROLLED TUBE WITH 1/4" WALL THICKNESS MAY BE SUBSTITUTED FOR THE WELDED DRAIN SHOWN.

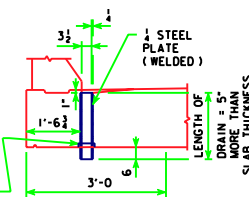
FLOOR DRAIN DETAILS

(USE FOR BARRIER RAIL ONLY, NOT REQUIRED FOR OPEN RAIL)
NOTE: DRAINS ARE TO BE GALVANIZED, INCLUDE COST OF DRAINS IN PRICE BID FOR "STRUCTURAL CONCRETE". 4 DRAINS REQUIRED.



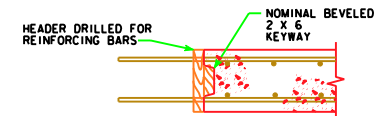
PART PLAN

1 1/4" X 1 1/4" X 1/4" X 0'-3" WELDED TO BOTH SIDES OF DRAIN WITH 2-1/2" HOLES IN EACH OUTSTANDING LEG FOR NAILING TO FORMS



SECTION A-A

WEIGHT OF ONE FLOOR DRAIN			
SPAN	WEIGHT, LBS.	SPAN	WEIGHT, LBS.
70'-0"	32	120'-0"	41
80'-0"	33	130'-0"	43
90'-0"	35	140'-0"	45
100'-0"	37	150'-0"	48
110'-0"	39		



TRANSVERSE CONSTRUCTION JOINT

LATEST REVISION DATE	 Iowa Department of Transportation Highway Division	STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES	
		CONTINUOUS CONCRETE SLAB BRIDGES	
		NOVEMBER, 2006	
		SUPERSTRUCTURE DETAILS ALL BRIDGES	
APPROVED BY BRIDGE ENGINEER 		J30-21-06	