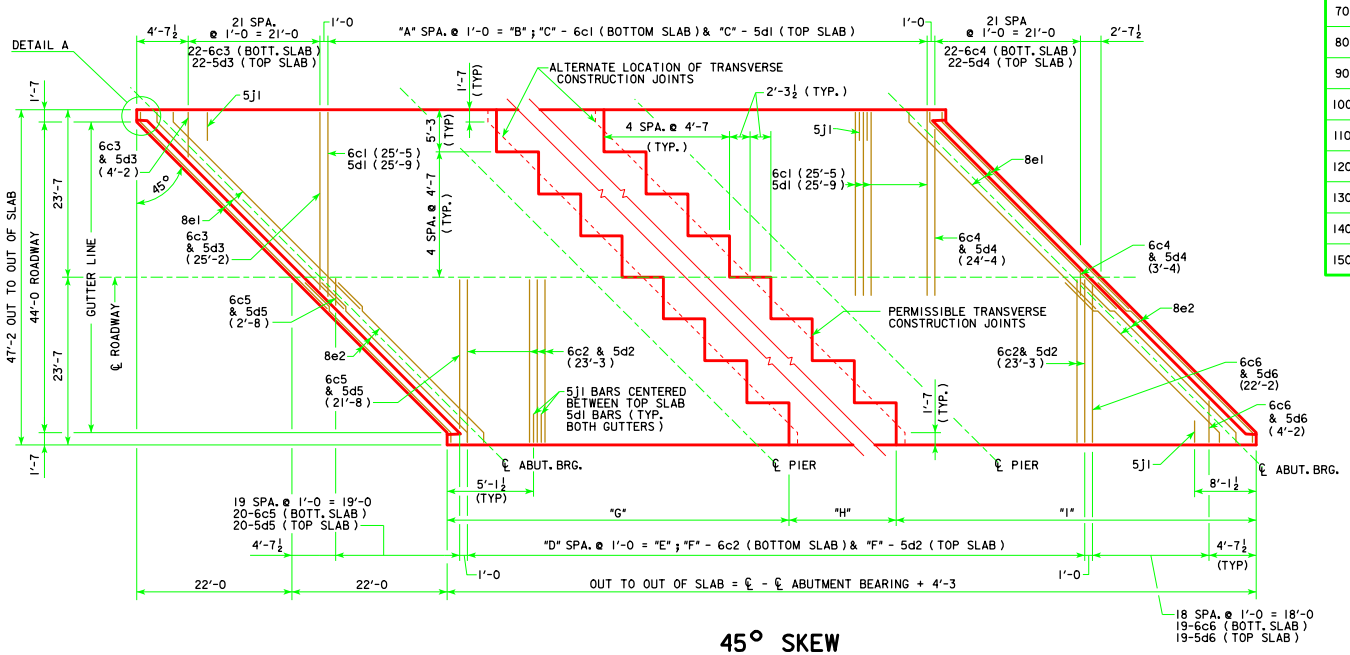
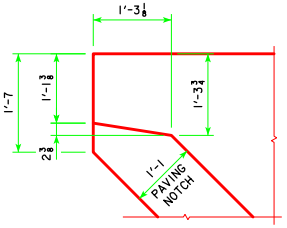
45° TRANSV. REINFORCING DIMENSION TABLE

BRIDGE	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
70' BRIDGE	45	45'-0	46	48	48'-0	49	27'-3	17'-0	30'-0
80' BRIDGE	55	55'-0	56	58	58'-0	59	31'-3	19'-0	34'-0
90' BRIDGE	65	65'-0	66	68	68'-0	69	35'-3	21'-0	38'-0
100' BRIDGE	75	75'-0	76	78	78'-0	79	39'-3	23'-0	42'-0
110' BRIDGE	85	85'-0	86	88	88'-0	89	43'-3	25'-0	46'-0
120' BRIDGE	95	95'-0	96	98	98'-0	99	47'-3	27'-0	50'-0
130' BRIDGE	105	105'-0	106	108	108'-0	109	51'-3	29'-0	54'-0
140' BRIDGE	115	115'-0	116	118	118'-0	119	55'-3	31'-0	58'-0
150' BRIDGE	125	125'-0	126	128	128'-0	129	59'-3	33'-0	62'-0

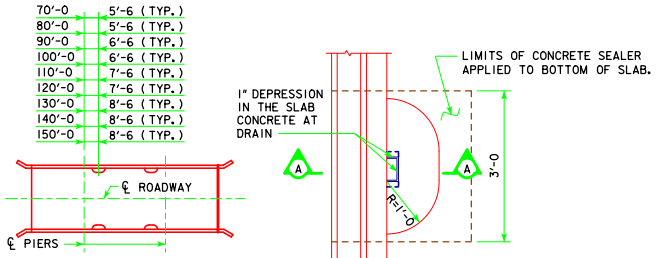


45° SKEW
TRANSVERSE REINFORCING STEEL LAYOUT

NOTE: 5d BARS ARE TO PASS UNDER 8e BARS IN CONFLICT AREAS.



DETAIL A



FLOOR DRAIN LOCATION

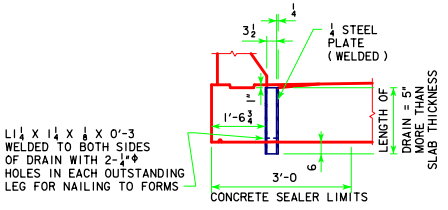
NOTE: 4" X 8" OUTSIDE DIMENSION ROLLED TUBE WITH ¼" WALL THICKNESS MAY BE SUBSTITUTED FOR THE WELDED DRAIN SHOWN.

PART PLAN

FLOOR DRAIN DETAILS

(USE FOR BARRIER RAIL ONLY, NOT REQUIRED FOR OPEN RAIL)

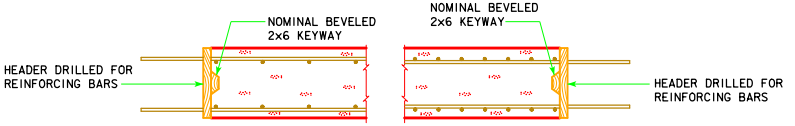
NOTE: DRAINS ARE TO BE GALVANIZED. INCLUDE COST OF DRAINS IN PRICE BID FOR "STRUCTURAL CONCRETE". 4 DRAINS REQUIRED.



L1¼ X 1¼ X ⅛ X 0'-3 WELDED TO BOTH SIDES OF DRAIN WITH 2-¼"Φ 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 CONSTR. JOINT

LONGITUDINAL CONSTR. JOINT

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

IOWADOT Highway Division

STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE SLAB BRIDGES

JULY, 2014

SUPERSTRUCTURE DETAILS ALL BRIDGES

45° SKEW

J44-24-14