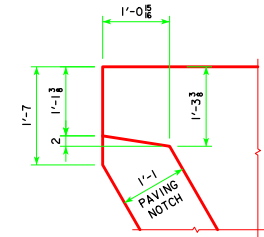


**30° SKEW
TRANSVERSE REINFORCING STEEL LAYOUT**

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

30° TRANSV. REINFORCING DIMENSION TABLE									
BRIDGE	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
70' BRIDGE	55	55'-0	56	57	57'-0	58	27'-5½	17'-0	29'-0
80' BRIDGE	65	65'-0	66	67	67'-0	68	31'-5½	19'-0	33'-0
90' BRIDGE	75	75'-0	76	77	77'-0	78	35'-5½	21'-0	37'-0
100' BRIDGE	85	85'-0	86	87	87'-0	88	39'-5½	23'-0	41'-0
110' BRIDGE	95	95'-0	96	97	97'-0	98	43'-5½	25'-0	45'-0
120' BRIDGE	105	105'-0	106	107	107'-0	108	47'-5½	27'-0	49'-0
130' BRIDGE	115	115'-0	116	117	117'-0	118	51'-5½	29'-0	53'-0
140' BRIDGE	125	125'-0	126	127	127'-0	128	55'-5½	31'-0	57'-0
150' BRIDGE	135	135'-0	136	137	137'-0	138	59'-5½	33'-0	61'-0

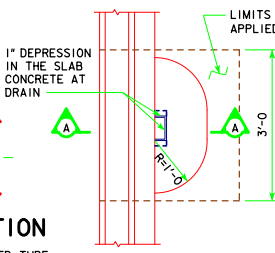


DETAIL A

70'-0	5'-6 (TYP.)
80'-0	5'-6 (TYP.)
90'-0	6'-6 (TYP.)
100'-0	6'-6 (TYP.)
110'-0	7'-6 (TYP.)
120'-0	7'-6 (TYP.)
130'-0	8'-6 (TYP.)
140'-0	8'-6 (TYP.)
150'-0	8'-6 (TYP.)

FLOOR DRAIN LOCATION

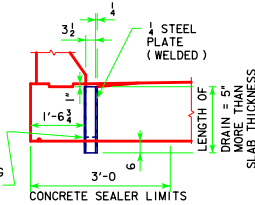
NOTE: 4" X 8" OUTSIDE DIMENSION ROLLED TUBE WITH ¼" WALL THICKNESS MAY BE SUBSTITUTED FOR THE WELDED DRAIN SHOWN.



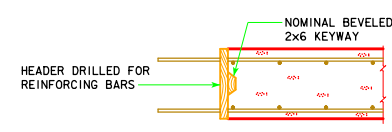
PART PLAN

FLOOR DRAIN DETAILS

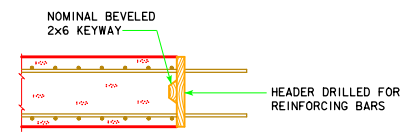
(USE FOR BARRIER RAIL ONLY, NOT REQUIRED FOR OPEN RAIL)
NOTE: DRAINS ARE TO BE GALVANIZED, INCLUDE COST OF DRAINS IN PRICE BID FOR "STRUCTURAL CONCRETE". 4 DRAINS REQUIRED.



SECTION A-A



TRANSVERSE CONSTR. JOINT



LONGITUDINAL CONSTR. JOINT

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		

LATEST REVISION DATE
Thomas E. M. Donnell
APPROVED BY BRIDGE ENGINEER

IOWA DOT Highway Division
STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES
**CONTINUOUS CONCRETE
SLAB BRIDGES**
JULY, 2014

**SUPERSTRUCTURE DETAILS
ALL BRIDGES**

J44-23-14
30° SKEW