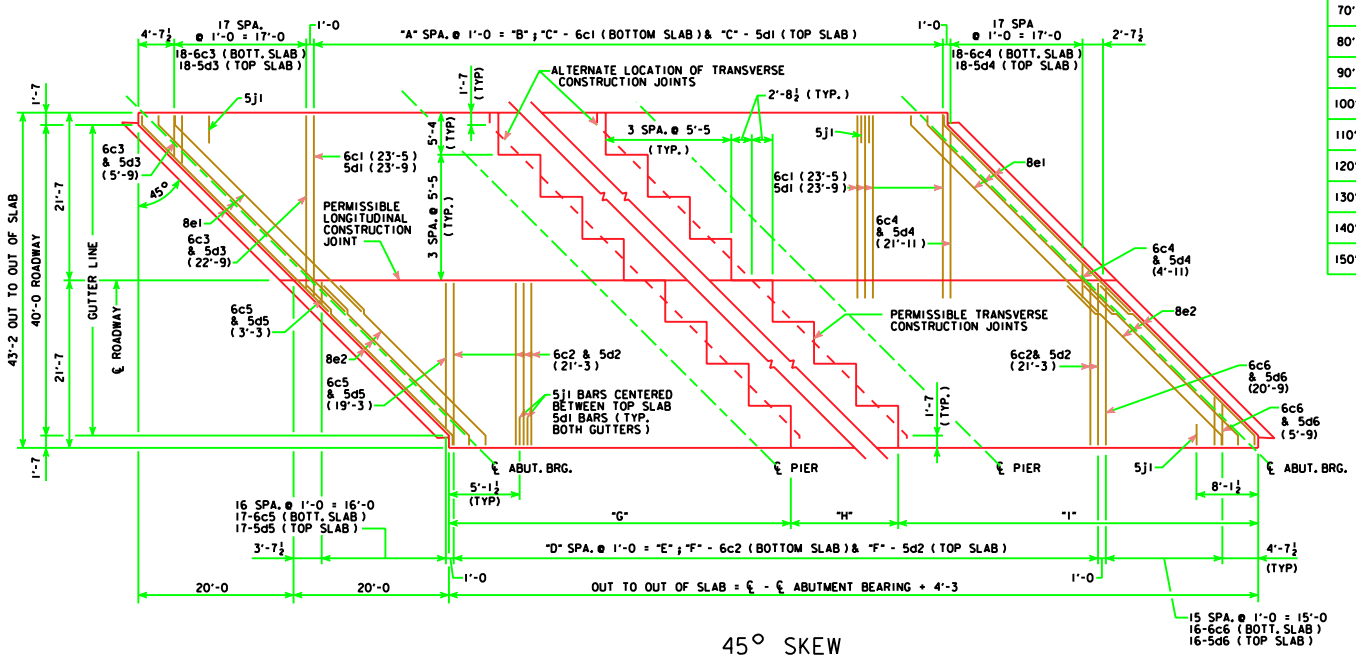
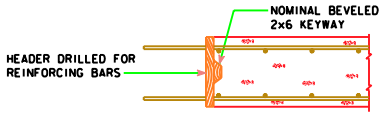
45° TRANSV. REINFORCING DIMENSION TABLE									
BRIDGE	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
70' BRIDGE	51	51'-0	52	53	53'-0	54	27'-7	17'-0	29'-8
80' BRIDGE	61	61'-0	62	63	63'-0	64	31'-7	19'-0	33'-8
90' BRIDGE	71	71'-0	72	73	73'-0	74	35'-7	21'-0	37'-8
100' BRIDGE	81	81'-0	82	83	83'-0	84	39'-7	23'-0	41'-8
110' BRIDGE	91	91'-0	92	93	93'-0	94	43'-7	25'-0	45'-8
120' BRIDGE	101	101'-0	102	103	103'-0	104	47'-7	27'-0	49'-8
130' BRIDGE	111	111'-0	112	113	113'-0	114	51'-7	29'-0	53'-8
140' BRIDGE	121	121'-0	122	123	123'-0	124	55'-7	31'-0	57'-8
150' BRIDGE	131	131'-0	132	133	133'-0	134	59'-7	33'-0	61'-8

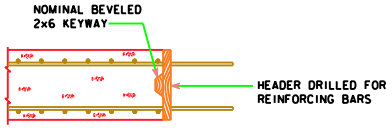


45° SKEW
TRANSVERSE REINFORCING STEEL LAYOUT

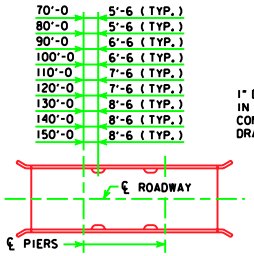
NOTE: 5d BARS ARE TO PASS UNDER 8e BARS IN CONFLICT AREAS.



TRANSVERSE CONSTR. JOINT

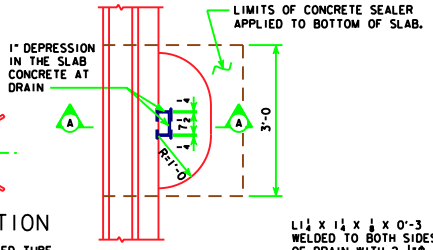


LONGITUDINAL CONSTR. JOINT



FLOOR DRAIN LOCATION

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

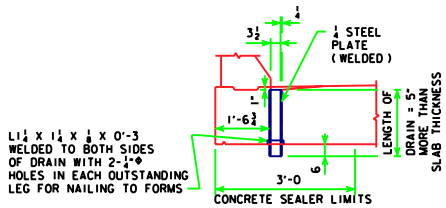


PART PLAN

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⌀ 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		

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE SLAB BRIDGES

NOVEMBER, 2006

SUPERSTRUCTURE DETAILS ALL BRIDGES

45° SKEW

J40-24-06