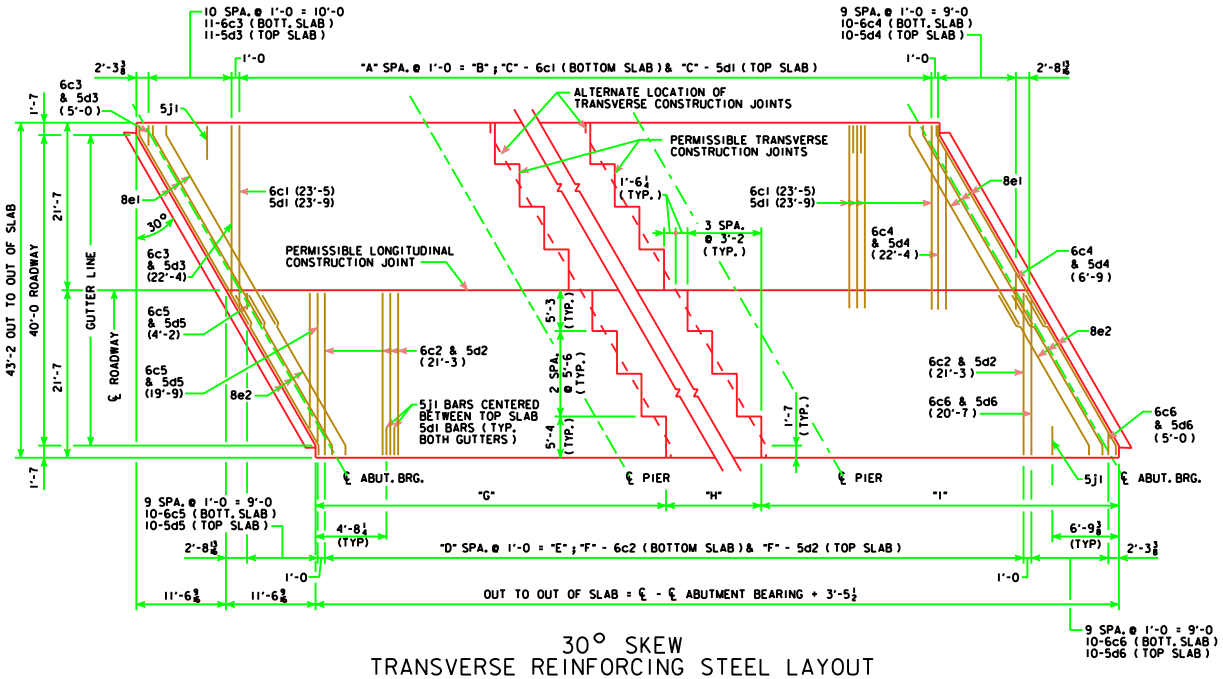
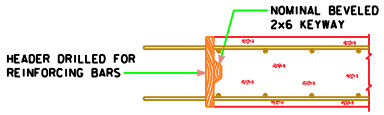


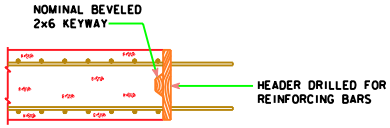
30° SKEW
TRANSVERSE REINFORCING STEEL LAYOUT

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

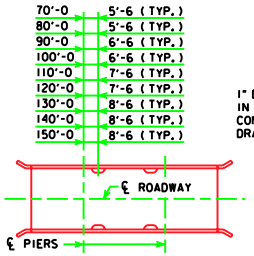
30° TRANSV. REINFORCING DIMENSION TABLE									
BRIDGE	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
70' BRIDGE	59	59'-0	60	60	60'-0	61	27'-8½	17'-0	28'-9
80' BRIDGE	69	69'-0	70	70	70'-0	71	31'-8½	19'-0	32'-9
90' BRIDGE	79	79'-0	80	80	80'-0	81	35'-8½	21'-0	36'-9
100' BRIDGE	89	89'-0	90	90	90'-0	91	39'-8½	23'-0	40'-9
110' BRIDGE	99	99'-0	100	100	100'-0	101	43'-8½	25'-0	44'-9
120' BRIDGE	109	109'-0	110	110	110'-0	111	47'-8½	27'-0	48'-9
130' BRIDGE	119	119'-0	120	120	120'-0	121	51'-8½	29'-0	52'-9
140' BRIDGE	129	129'-0	130	130	130'-0	131	55'-8½	31'-0	56'-9
150' BRIDGE	139	139'-0	140	140	140'-0	141	59'-8½	33'-0	60'-9



TRANSVERSE CONSTR. JOINT

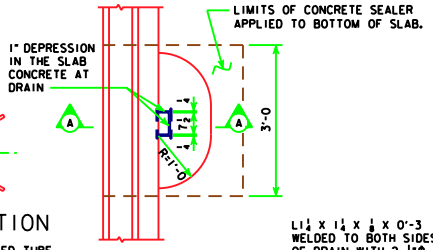


LONGITUDINAL CONSTR. JOINT



FLOOR DRAIN LOCATION

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

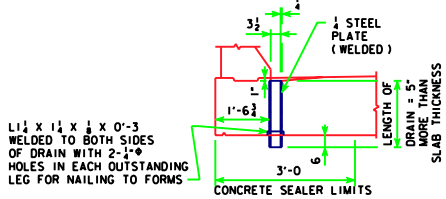


PART PLAN

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.



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
30° SKEW

J40-23-06