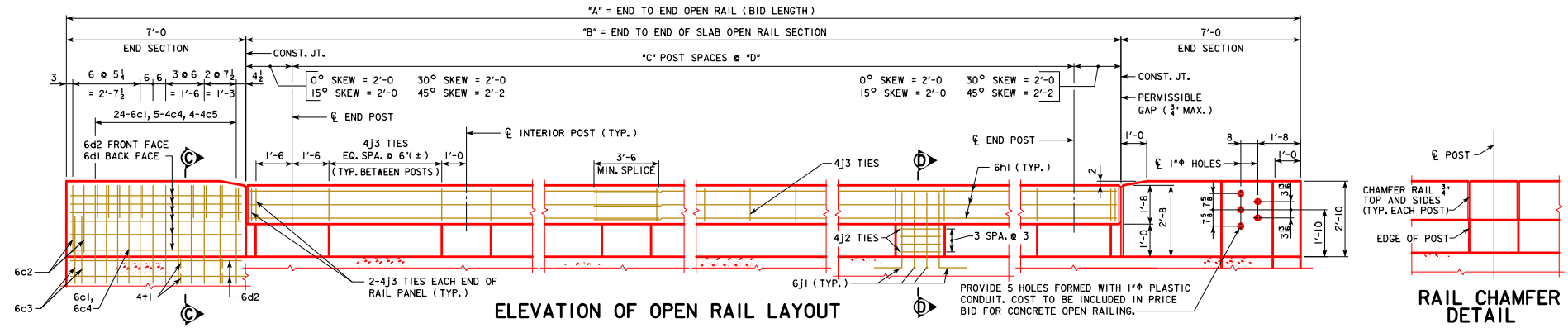
TABLE OF OPEN RAIL DIMENSIONS AND NUMBERS

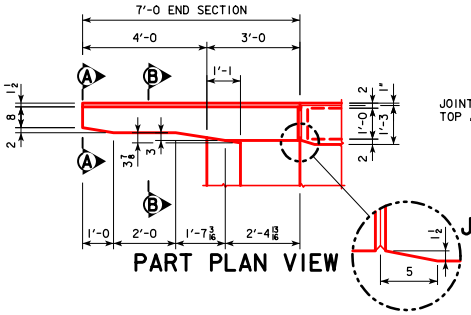
℄-℄ ABUT. BRG		70'-0				80'-0				90'-0				100'-0			
SKEW		0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°
DIMENSION OR NUMBER	A (FT.-IN.)	81'-0	81'-1¼	81'-5½	82'-3	91'-0	91'-1¼	91'-5½	92'-3	101'-0	101'-1¼	101'-5½	102'-3	111'-0	111'-1¼	111'-5½	112'-3
	B (FT.-IN.)	67'-0	67'-1¼	67'-5½	68'-3	77'-0	77'-1¼	77'-5½	78'-3	87'-0	87'-1¼	87'-5½	88'-3	97'-0	97'-1¼	97'-5½	98'-3
	C	8	8	8	8	10	10	10	10	11	11	11	11	12	12	12	12
	D (FT.-IN.)	7'-10½	7'-10 11/16	7'-11 3/16	7'-11 7/8	7'-3 5/8	7'-3¾	7'-4 3/16	7'-4 11/16	7'-6 9/16	7'-6 11/16	7'-7 1/16	7'-7 9/16	7'-9	7'-9⅛	7'-9 7/16	7'-9 15/16

℄-℄ ABUT. BRG		110'-0				120'-0				130'-0				140'-0				150'-0			
SKEW		0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°
DIMENSION OR NUMBER	A (FT.-IN.)	121'-0	121'-1¼	121'-5½	122'-3	131'-0	131'-1¼	131'-5½	132'-3	141'-0	141'-1¼	141'-5½	142'-3	151'-0	151'-1¼	151'-5½	152'-3	161'-0	161'-1¼	161'-5½	162'-3
	B (FT.-IN.)	107'-0	107'-1¼	107'-5½	108'-3	117'-0	117'-1¼	117'-5½	118'-3	127'-0	127'-1¼	127'-5½	128'-3	137'-0	137'-1¼	137'-5½	138'-3	147'-0	147'-1¼	147'-5½	148'-3
	C	13	13	13	13	15	15	15	15	16	16	16	16	17	17	17	17	18	18	18	18
	D (FT.-IN.)	7'-11 1/16	7'-11 3/16	7'-11½	7'-11 15/16	7'-6 3/8	7'-6½	7'-6¾	7'-7⅛	7'-8¼	7'-8 5/16	7'-8⅝	7'-8 15/16	7'-9⅞	7'-9 15/16	7'-10 3/16	7'-10½	7'-11 5/16	7'-11⅜	7'-11 5/8	7'-11 15/16

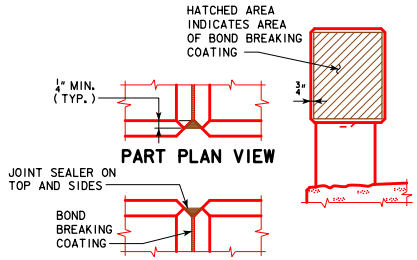


ELEVATION OF OPEN RAIL LAYOUT

RAIL CHAMFER DETAIL



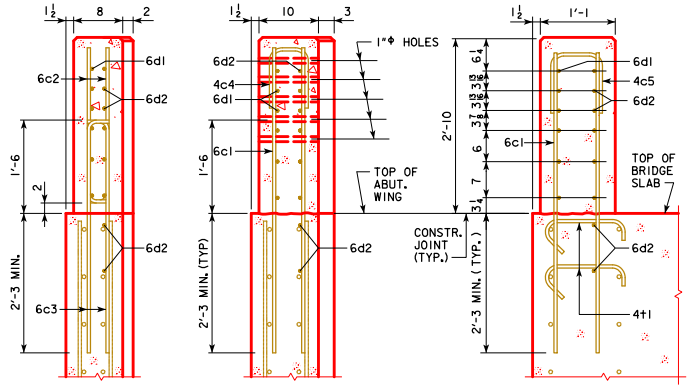
PART PLAN VIEW



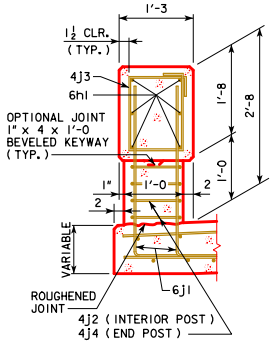
PART PLAN VIEW

PART ELEVATION VIEW

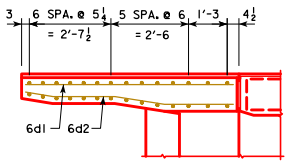
JOINT DETAILS AT END SECTION



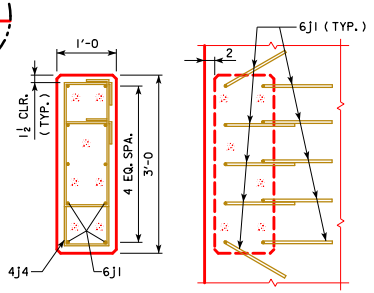
SECTION A-A SECTION B-B SECTION C-C



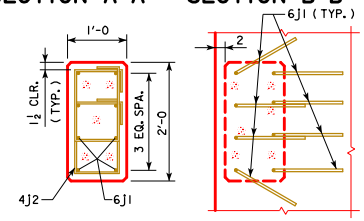
PART SECTION D-D



PART PLAN SECTION



END POST DETAILS (REQUIRED AT ENDS OF OPEN RAIL)



INTERIOR POST DETAILS

08-2020
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

IOWA DOT Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE SLAB BRIDGES

NOVEMBER, 2006

OPEN RAIL DETAILS (TL-4)

J40-48-06

REVISED 11-08: CHANGED END SECTION SHAPE AND REINFORCEMENT. RAIL DEPTH CHANGED TO 1'-8.
REVISED 08-2020: UPDATED BRIDGE ENGINEER SIGNATURE. CHANGED SECTION A-A (WAS VIEW A-A).