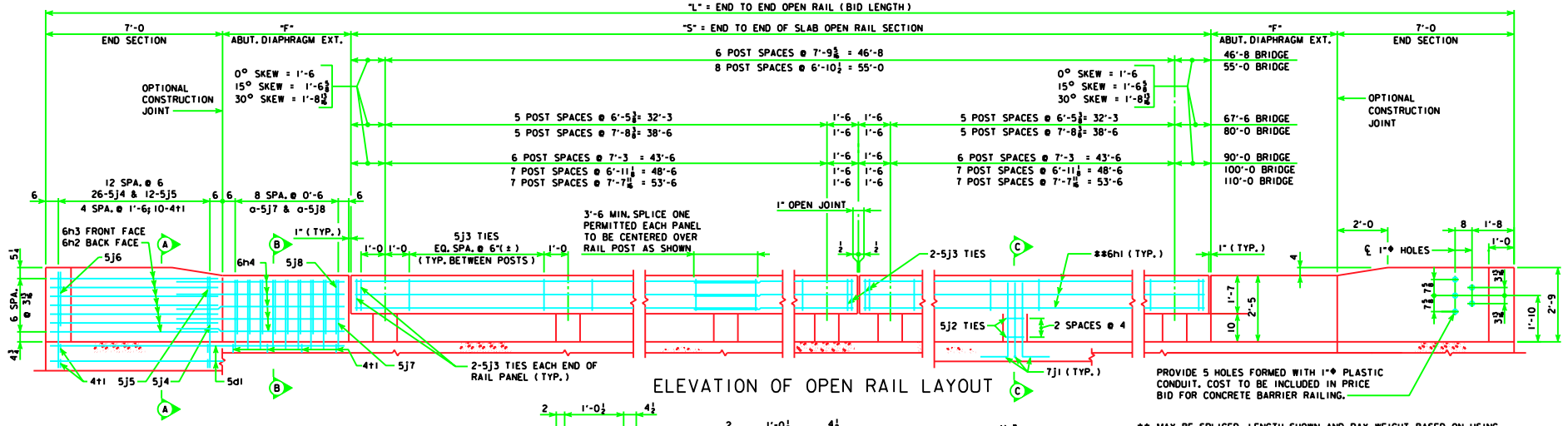
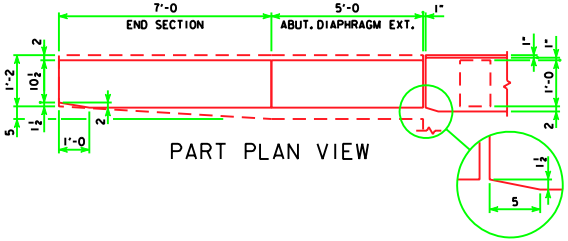
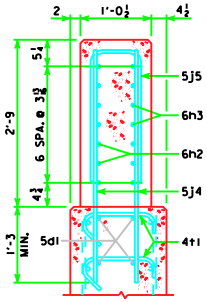
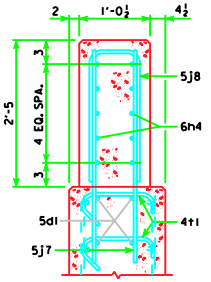
TABLE OF OPEN RAIL DIMENSIONS AND NUMBERS

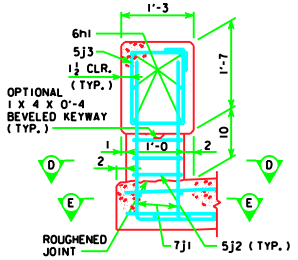
℄-℄ ABUT. BRG		46'-8			55'-0			67'-6			80'-0			90'-0			100'-0			110'-0		
SKEW		0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
DIMENSION OR NUMBER	L (FT.-IN.)	63'-8	63'-9¼	64'-1⅜	72'-0	72'-1¼	72'-5⅜	84'-6	84'-7¼	84'-11⅜	107'-0	107'-1¼	107'-5⅜	117'-0	117'-1¼	117'-5⅜	127'-0	127'-1¼	127'-5⅜	137'-0	137'-1¼	137'-5⅜
	S (FT.-IN.)	49'-8	49'-9¼	50'-1⅜	58'-0	58'-1¼	58'-5⅜	70'-6	70'-7¼	70'-11⅜	83'-0	83'-1¼	83'-5⅜	93'-0	93'-1¼	93'-5⅜	103'-0	103'-1¼	103'-5⅜	113'-0	113'-1¼	113'-5⅜
	F (FT.-IN.)	0'-0	0'-0	0'-0	0'-0	0'-0	0'-0	0'-0	0'-0	0'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0
	a	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9	9	9	9	9	9











** MAY BE SPLICED. LENGTH SHOWN AND PAY WEIGHT BASED ON USING 30° SKEW FOR LENGTHS. ACTUAL ORDERED LENGTH WILL VARY FROM TABULATED LENGTH TO REFLECT DIFFERENT SKEW VALUES AND USE OF 3'-6 SPLICE.

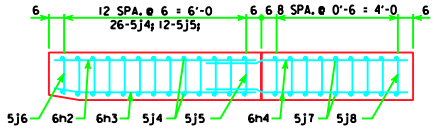
PAYMENT FOR REINFORCING BARS SHALL BE BASED ON NO SPLICES, AND NO ALLOWANCE SHALL BE MADE FOR THE ADDITIONAL LENGTH OF BAR REQUIRED FOR THE USE OF SPLICES.

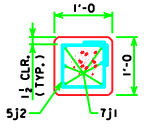
OPEN RAIL NOTES:

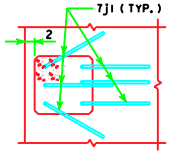
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

THE CONCRETE OPEN RAIL IS TO BE BID ON A LINEAL FOOT BASIS MEASURED FROM END TO END OF RAIL. THE NUMBER OF LINEAL FEET OF OPEN RAIL INSTALLED WILL BE PAID FOR AT THE CONTRACT PRICE PER LINEAL FOOT. PRICE BID FOR CONCRETE OPEN RAIL SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIAL, EXCLUDING REINFORCING STEEL, AND ALL OF THE EQUIPMENT AND LABOR REQUIRED TO CONSTRUCT THE RAIL IN ACCORDANCE WITH THESE PLANS AND CURRENT SPECIFICATIONS.

ALL OPEN RAIL REINFORCING STEEL IS TO BE INCLUDED WITH THE SUPERSTRUCTURE REINFORCING STEEL.







LATEST REVISION DATE :

APPROVED BY

STANDARD DESIGN - 24' ROADWAY, SINGLE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

JANUARY, 2005

HS20-44 LOADING

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

OPEN RAIL DETAILS
SHEET 1 OF 2

H24S1-34-05