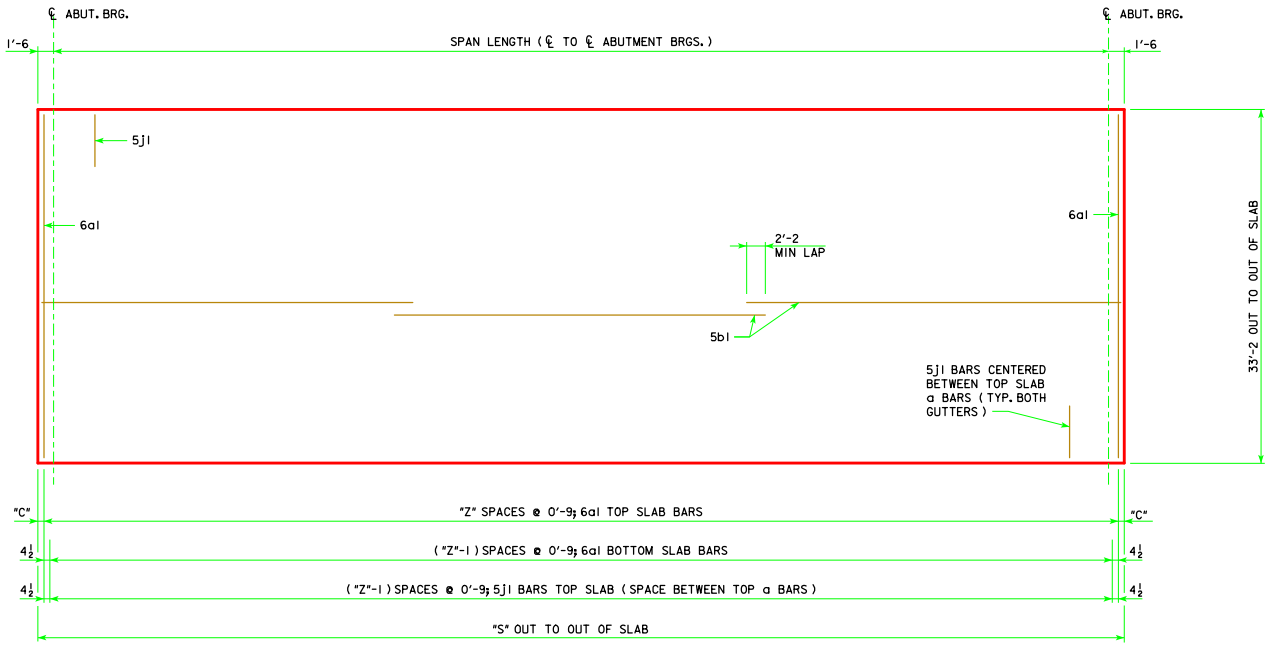

SLAB REINFORCING LAYOUT

GENERAL DATA								
SPAN LENGTH (℄ - ℄ ABUTMENT BRGS.)		46'-8	55'-0	67'-6	80'-0	90'-0	100'-0	110'-0
LOCATION OF EXTREME 6a1 TOP BAR FROM END OF SLAB	"C"	5½	6	4½	3	4½	6	3
NO. OF SPACES FOR 6a1 TOP BARS	"Z"	65	76	93	110	123	136	150
OUT TO OUT OF SLAB	"S"	49'-8	58'-0	70'-6	83'-0	93'-0	103'-0	113'-0
VERTICAL CURVE TOP OF SLAB TO ABUTMENT TOP AT ℄ ABUTMENT BEARING	"U"	3'-8⅛	3'-8½	4'-3⅞	4'-9 7/16	5'-6 3/16	5'-6 11/16	5'-7 5/16
STRAIGHT GRADE TOP OF SLAB TO ABUTMENT TOP AT ℄ ABUTMENT BEARING	"U"	3'-8 5/16	3'-8¾	4'-4 3/16	4'-9 15/16	5'-6 13/16	5'-7 7/16	5'-8¼
SERVICE D.L. ABUTMENT REACTION (D.L. + F.W.S.)	KIPS	297.9	325.0	388.8	502.5	575.0	616.0	657.2
SERVICE L.L. ABUTMENT REACTION (HL-93) NO IMPACT	KIPS	152.8	162.4	175.0	186.0	194.4	202.2	209.8

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 30' ROADWAY, SINGLE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

APRIL, 2012

SUPERSTRUCTURE
0° SKEW

H30S1-07-12