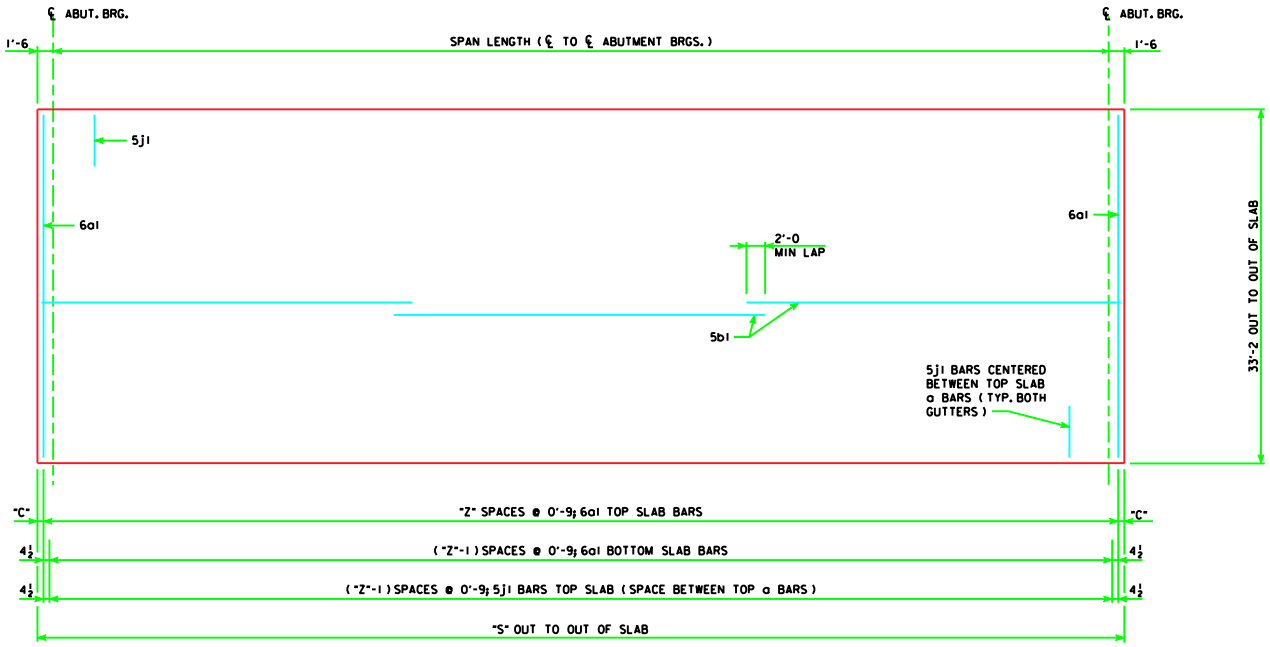

SLAB REINFORCING LAYOUT

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"	$5\frac{1}{2}$	6	$4\frac{1}{2}$	3	$4\frac{1}{2}$	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"	$3'-7\frac{11}{16}$	$3'-7\frac{11}{16}$	$4'-2\frac{11}{16}$	$4'-8\frac{11}{16}$	$5'-5\frac{3}{16}$	$5'-5\frac{7}{8}$	$5'-5\frac{13}{16}$
STRAIGHT GRADE TOP OF SLAB TO ABUTMENT TOP AT ℄ ABUTMENT BEARING	"U"	$3'-7\frac{7}{8}$	$3'-7\frac{7}{8}$	$4'-3\frac{1}{16}$	$4'-9\frac{1}{8}$	$5'-5\frac{7}{8}$	$5'-6\frac{3}{8}$	$5'-6\frac{11}{16}$
D.L. ABUTMENT REACTION (D.L. + F.W.S.)	KIPS	280.7	320.7	387.7	434.1	502.3	543.5	584.5
L.L. ABUTMENT REACTION (HS20-44) NO IMPACT	KIPS	115.2	119.6	124.1	127.2	129.1	130.6	131.8

LATEST REVISION DATE :

APPROVED BY

STANDARD DESIGN - 30' ROADWAY, SINGLE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

JANUARY, 2005 HS20-44 LOADING

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

SUPERSTRUCTURE 0° SKEW

H30S1-07-05