


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'-8½	3'-8½	4'-3½	4'-9¼	5'-6¾	5'-6¼	5'-7¾
STRAIGHT GRADE TOP OF SLAB TO ABUTMENT TOP AT ℄ ABUTMENT BEARING	*U*	3'-8¾	3'-8¾	4'-4¾	4'-9¾	5'-6¾	5'-7¾	5'-8¼
SERVICE D.L. ABUTMENT REACTION (D.L. + F.W.S.) SERVICE LOADS	KIPS	297.9	325.0	388.8	502.5	575.0	616.0	657.2
SERVICE L.L. ABUTMENT REACTION (HL-93) NO IMPACT SERVICE LOADS	KIPS	152.8	162.4	175.0	186.0	194.4	202.2	209.8

REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.

LATEST REVISION DATE 05-13	APPROVED BY BRIDGE ENGINEER <i>Norman E. Mc Donald</i>	 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	