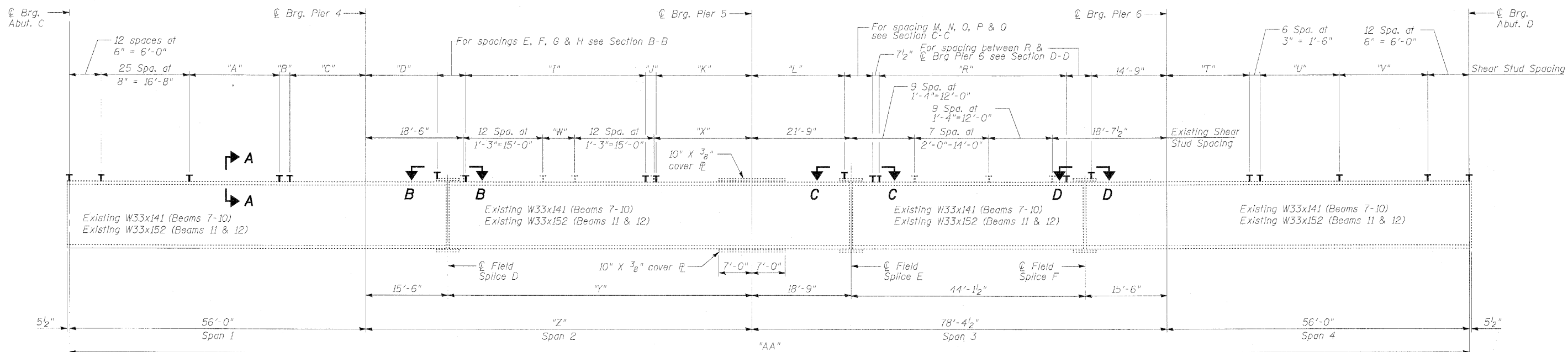


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

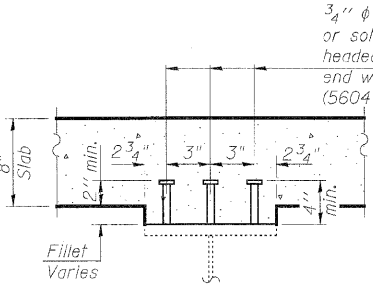


SHEAR STUD SPACINGS AND DIMENSIONS TABLE

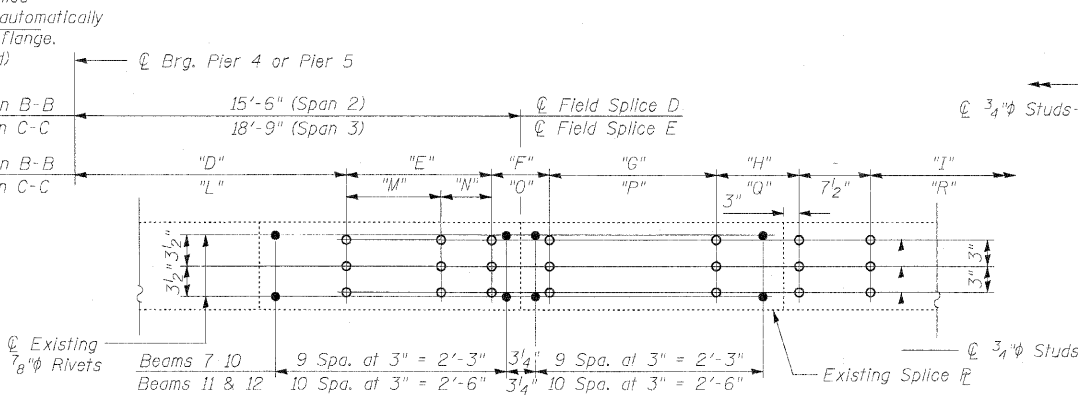
Beam	A	B	C	D	E	F	G	H	I	J	K	L	M	N
7	34 Spa. at 6" = 17'-0"	8 Spa. at 3" = 2'-0"	14'-4"	14'-3"	4 Spa. at 3" = 1'-0"	6"	2 Spa. at 3" = 6"	4 Spa. at 6" = 2'-0"	52 Spa. at 8" = 34'-8"	8 Spa. at 3" = 2'-0"	18'-0"	16'-6"	6 Spa. at 3" = 1'-6"	1 Spa. at 6" = 6"
8	33 Spa. at 6" = 16'-6"	8 Spa. at 3" = 2'-0"	14'-10"	14'-6"	3 Spa. at 3" = 9"	6"	4 Spa. at 3" = 1'-0"	5 Spa. at 6" = 2'-6"	54 Spa. at 8" = 36'-0"	8 Spa. at 3" = 2'-0"	17'-10 3/8"	17'-0"	6 Spa. at 3" = 1'-6"	-
9	32 Spa. at 6" = 16'-0"	7 Spa. at 3" = 1'-9"	15'-7"	14'-6"	3 Spa. at 3" = 9"	6"	4 Spa. at 3" = 1'-0"	7 Spa. at 6" = 3'-6"	56 Spa. at 8" = 37'-4"	7 Spa. at 3" = 1'-9"	17'-11 3/8"	17'-6"	4 Spa. at 3" = 1'-0"	-
10	30 Spa. at 6" = 15'-0"	8 Spa. at 3" = 2'-0"	16'-4"	14'-9"	2 Spa. at 3" = 6"	6"	4 Spa. at 3" = 1'-0"	5 Spa. at 6" = 2'-6"	61 Spa. at 8" = 40'-8"	7 Spa. at 3" = 1'-9"	17'-9 3/8"	18'-0"	2 Spa. at 3" = 6"	-
11	29 Spa. at 6" = 14'-6"	7 Spa. at 3" = 1'-9"	17'-1"	15'-0"	1 Spa. at 3" = 3"	6"	5 Spa. at 3" = 1'-3"	5 Spa. at 6" = 2'-6"	64 Spa. at 8" = 42'-8"	7 Spa. at 3" = 1'-9"	17'-8 1/8"	19'-0"	-	-
12	27 Spa. at 6" = 13'-6"	8 Spa. at 3" = 2'-0"	17'-10"	15'-9"	-	-	7 Spa. at 3" = 1'-9"	3 Spa. at 6" = 1'-6"	68 Spa. at 8" = 45'-4"	7 Spa. at 3" = 1'-9"	17'-9"	19'-3"	-	-

SHEAR STUD SPACINGS AND DIMENSIONS TABLE

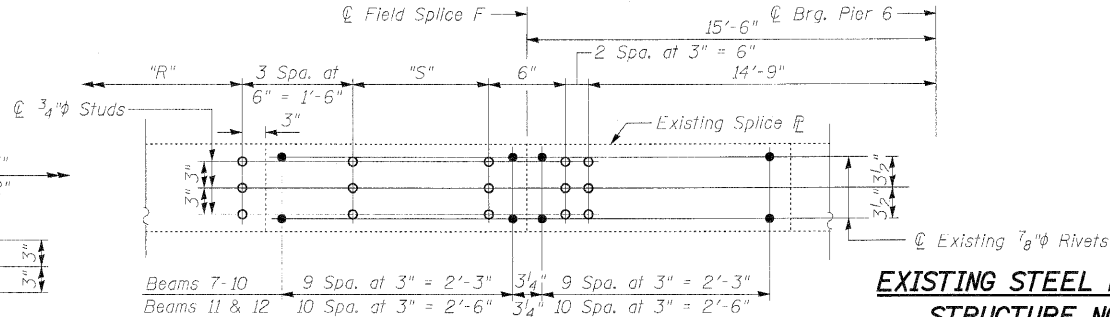
Beam	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
7	6"	-	5 Spa. at 6" = 2'-6"	57 Spa. at 8" = 38'-0"	4 Spa. at 3" = 1'-0"	16'-4"	31 Spa. at 6" = 15'-6"	25 Spa. at 8" = 16'-8"	3 Spa. at 2'-0" = 6'-0"	18'-5"	57'-5"	72'-11"	263'-3 1/2"
8	6"	-	5 Spa. at 6" = 2'-6"	57 Spa. at 8" = 38'-0"	4 Spa. at 3" = 1'-0"	16'-2"	30 Spa. at 6" = 15'-0"	26 Spa. at 8" = 17'-4"	4 Spa. at 2'-0" = 8'-0"	18'-7 3/8"	59'-7 3/8"	75'-13 1/8"	265'-5 1/8"
9	6"	2 Spa. at 3" = 6"	8 Spa. at 6" = 4'-0"	54 Spa. at 8" = 36'-0"	4 Spa. at 3" = 1'-0"	16'-0"	29 Spa. at 6" = 14'-6"	27 Spa. at 8" = 18'-0"	5 Spa. at 2'-0" = 10'-0"	18'-9 3/8"	61'-9 3/8"	77'-3 3/8"	267'-7 1/8"
10	6"	4 Spa. at 3" = 1'-0"	3 Spa. at 6" = 1'-6"	57 Spa. at 8" = 38'-0"	4 Spa. at 3" = 1'-0"	15'-10"	28 Spa. at 6" = 14'-0"	28 Spa. at 8" = 18'-0"	6 Spa. at 2'-0" = 12'-0"	18'-11 3/8"	63'-11 3/8"	79'-5 3/8"	269'-10 1/8"
11	-	9 Spa. at 3" = 2'-3"	4 Spa. at 6" = 2'-0"	54 Spa. at 8" = 36'-0"	5 Spa. at 3" = 1'-3"	15'-8"	27 Spa. at 6" = 13'-6"	29 Spa. at 8" = 19'-4"	7 Spa. at 2'-0" = 14'-0"	19'-11 3/8"	66'-11 3/8"	81'-7 3/8"	272'-0 5/8"
12	-	6 Spa. at 3" = 1'-6"	5 Spa. at 6" = 2'-6"	54 Spa. at 8" = 36'-0"	5 Spa. at 3" = 1'-3"	15'-6"	26 Spa. at 6" = 13'-0"	30 Spa. at 8" = 20'-0"	8 Spa. at 2'-0" = 16'-0"	19'-4"	68'-4"	83'-10"	274'-2 1/2"



DESIGNED	SPK
CHECKED	LAN
DRAWN	ASJ
CHECKED	SPK



SECTION B-B
SECTION C-C



EXISTING STEEL BEAMS 7-12 DETAILS
STRUCTURE NO. 081-0024 (W.B.)
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SHEET NO. 35	F.A.I. RTE. 280	SECTION 81-1(VB-1)R	COUNTY ROCK ISLAND	TOTAL SHEETS 503	SHEET NO. 371
77 SHEETS	CONTRACT NO. 64815				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					