

5/7/2009 10:47:51 AM

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 24 45 SHEETS
S. B. L. P. A. P. 310	*	MADISON	149	91	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		
Contract #76634 * 60-15VB-1 & 2					

	E. Abut.	Pier 1	Pier 2	W. Abut.
R _p (kN)	125	435	344	94
R _t (kN)	165	203	202	136
Imp. (kN)	44	53	53	37
R (Total) (kN)	334	691	599	267

	E. Abut.	Pier 1	Pier 1
R _p (kN)	132	430	348
R _t (kN)	190	225	183
Imp. (kN)	51	59	48
R (Total) (kN)	373	714	579

	E. Abut.	Pier 1	Pier 2	W. Abut.
R _p (kN)	131	424	296	93
R _t (kN)	197	232	195	117
Imp. (kN)	53	60	51	32
R (Total) (kN)	381	716	542	242

	E. Abut.	Pier 1	Pier 1
R _p (kN)	130	423	357
R _t (kN)	200	233	233
Imp. (kN)	54	61	61
R (Total) (kN)	384	717	651

	E. Abut.	Pier 1	Pier 2	W. Abut.
R _p (kN)	128	446	341	100
R _t (kN)	199	259	248	159
Imp. (kN)	54	67	64	43
R (Total) (kN)	381	772	653	302

	E. & W. Abuts.	Piers 1 & 2
R _p (kN)	128	467
R _t (kN)	203	287
Imp. (kN)	55	75
R (Total) (kN)	386	829

	E. & W. Abuts.	Piers 1 & 2
R _p (kN)	127	461
R _t (kN)	193	258
Imp. (kN)	52	67
R (Total) (kN)	372	786

CAMBER DIAGRAM DIMENSIONS

Girder No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	28	41	40	29	14	47	56	45	0	0	0	0	0	4.737 m	18.948 m	1.527 m	3.053 m	4.895 m	19.579 m	1.527 m	3.053 m	4.737 m	18.948 m
2	27	39	37	28	14	41	42	28	0					4.672 m	18.689 m	1.506 m	3.011 m	5.581 m	22.323 m	2.729 m	5.457 m		
3	26	38	36	28	14	35	41	36	0	0	0	0	0	4.611 m	18.442 m	1.486 m	2.971 m	4.773 m	19.093 m	1.468 m	2.935 m	4.611 m	18.442 m
4	24	36	33	27	14	34	34	22	0					4.554 m	18.214 m	1.468 m	2.935 m	5.439 m	21.755 m	2.334 m	4.667 m		
5	14	21	22	26	13	34	40	35	0	0	0	0	0	4.500 m	18.000 m	1.450 m	2.900 m	4.650 m	18.600 m	1.450 m	2.900 m	4.500 m	18.000 m
6	0	0	0	0	0	36	42	37	0	0	0	0	0	4.500 m	18.000 m	1.450 m	2.900 m	4.650 m	18.600 m	1.450 m	2.900 m	4.500 m	18.000 m
7	0	0	0	0	0	36	42	37	0	0	0	0	0	4.500 m	18.000 m	1.450 m	2.900 m	4.650 m	18.600 m	1.450 m	2.900 m	4.500 m	18.000 m
8	0	0	0	0	0	37	43	37	0	0	0	0	0	4.500 m	18.000 m	1.450 m	2.900 m	4.650 m	18.600 m	1.450 m	2.900 m	4.500 m	18.000 m
9	0	0	0	0	0	36	43	36	0	0	0	0	0	4.500 m	18.000 m	1.450 m	2.900 m	4.650 m	18.600 m	1.450 m	2.900 m	4.500 m	18.000 m
10	0	0	0	0	0	36	43	37	0	0	0	0	0	4.500 m	18.000 m	1.450 m	2.900 m	4.650 m	18.600 m	1.450 m	2.900 m	4.500 m	18.000 m
11	0	0	0	0	0	36	43	36	0	0	0	0	0	4.500 m	18.000 m	1.450 m	2.900 m	4.650 m	18.600 m	1.450 m	2.900 m	4.500 m	18.000 m

DESIGNED	ADL
CHECKED	WLW
DRAWN	RJP
CHECKED	WLW

GIRDER DETAILS
FAP RTE 310 (IL RTE 255) SB & RAMP D OVER
UNION PACIFIC & KANSAS CITY SOUTHERN R.R.
SECTION 60-15VB-1 & 2
MADISON COUNTY
STATION 39+160.297
STRUCTURE NUMBER 060-0311