APPENDIX 4

BRIDGE FORMULA

BRIDGE FORMULA "B" $W = 0.5 \left[\frac{LN}{N-1} + 12N + 36 \right]$

FEET	WEIGHT IN KIPS				
	5 AXLES	6 AXLES	7 AXLES	8 AXLES	9 AXLES
48		81.8	86.8	92.3	97.9
48		82.2	87.4	92.9	98.4
48		82.8	88.0	93.4	99.0
49		83.4	88.6	94.0	99.6
50		84.0	89.2	94.6	100.1
51		84.6	89.8	95.1	100.7
52	80.5	85.2	90.3	95.7	101.3
53	81.1	85.8	90.5	96.3	101.8
54	81.8	86.4	91.5	96.9	102.4
55	82.4	87.0	92.1	97.4	102.9
56	83.0	87.6	92.7	98.0	103.5
57	83.6	88.2	93.3	98.6	104.1
58	84.3	88.8	93.8	99.1	104.6
59	84.9	89.4	94.4	99.7	105.2
60	85.5	90.0	95.0	100.3	105.8
61	86.1	90.6	95.6	100.9	106.3
62	86.8	91.2	96.2	101.4	106.9
63	87.4	91.8	96.8	102.0	107.4
64	88.0	92.4	97.3	102.6	108.0
65	88.6	93.0	97.9	103.0	108.6
66	89.3	93.6	98.5	103.7	109.1
67	89.9	94.2	99.1	104.3	109.7
68	90.5	94.8	99.7	104.9	110.3
69	91.1	95.4	100.3	105.4	110.8
70	91.8	96.0	100.8	106.0	111.4
71	92.4	96.6	101.4	106.6	111.9
72	93.0	97.2	102.0	107.1	112.5
73	93.6	97.8	102.6	107.7	113.1
74	94.3	98.4	103.2	108.3	113.6
75	94.9	99.0	103.8	108.9	114.2
76	95.5	99.6	104.3	109.4	114.8
77	96.1	100.2	104.9	110.0	115.3
78	96.8	100.8	105.5	110.6	115.9
79	97.4	101.4	106.1	111.1	116.4
80	98.0	102.0	106.7	111.7	117.0
81	98.6	102.6	107.3	112.3	117.6
82	99.3	103.2	107.8	112.9	118.1
83	99.9	103.8	108.4	113.4	118.7
84	100.0	104.4	109.0	114.0	119.3
85		105.0	109.6	114.6	119.8

BRIDGE FORMULA (Continued)

BRIDGE FORMULA "B" $W=0.5\left[\frac{LN}{N-1}+12N+36\right]$

FEET	WEIGHT IN KIPS				
	5 AXLES	6 AXLES	7 AXLES	8 AXLES	9 AXLES
86		105.6	110.2	115.1	120.4
87		106.2	110.8	115.7	120.9
88		106.8	111.3	116.3	121.5
89		107.4	111.9	116.9	122.1
90		108.0	112.5	117.4	122.6
91		108.6	113.1	118.0	123.2
92		109.2	113.7	118.6	123.8
93		109.8	114.3	119.1	124.3
94		110.4	114.8	119.7	124.9
95		111.0	115.4	120.3	125.4
96		111.6	116.0	120.9	126.0
97		112.2	116.6	121.4	126.6
98		112.8	117.2	122.0	127.1
99		113.4	117.8	122.6	127.7
100		114.0	118.3	123.1	128.3
101		114.6	118.9	123.7	128.8
102		115.2	119.5	124.3	129.4
103		115.8	120.1	124.9	129.9
104		116.4	120.7	125.4	130.5
105		117.0	121.3	126.0	131.1
106		117.6	121.8	126.8	131.6