ob No.:	Designed by :	Checked by :	D a t e :	January 22, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z

LOADS

LOAD 1 :   DUE TO TOP CABLE PRESTRESS

MEMBER	P	ES	EM	EE
7 39 71 103 135 167	5,434.20	0.938	0.938	0.938
8 40 72 104 136 168	10,868.40	0.938	0.938	0.938
9 41 73 105 137 169	16,302.60	0.938	0.938	0.938
10 42 74 106 138 170	27,171.00	0.938	0.938	0.938
11 43 75 107 139 171	32,605.20	0.938	0.938	0.938
12 44 76 108 140 172	43,473.60	0.938	0.938	0.938
13 45 77 109 141 173	54,342.00	1.021	1.021	1.021
14 46 78 110 142 174	65,210.40	1.188	1.188	1.188
15 47 79 111 143 175	76,078.80	1.357	1.357	1.357
16 48 80 112 144 176	86,947.20	1.526	1.526	1.526
17 49 81 113 145 177	92,381.40	1.696	1.696	1.696
18 50 82 114 146 178	97,815.60	1.866	1.866	1.866
19 51 83 115 147 179	103,249.80	2.035	2.035	2.035
20 52 84 116 148 180	108,684.00	2.340	2.340	2.340
21 53 85 117 149 181	108,684.00	2.340	2.340	2.340
22 54 86 118 150 182	108,684.00	2.340	2.340	2.340
23 55 87 119 151 183	108,684.00	2.340	2.340	2.340
24 56 88 120 152 184	103,249.80	2.035	2.035	2.035
25 57 89 121 153 185	97,815.60	1.866	1.866	1.866
26 58 90 122 154 186	92,381.40	1.696	1.696	1.696
27 59 91 123 155 187	86,947.20	1.526	1.526	1.526
28 60 92 124 156 188	76,078.80	1.357	1.357	1.357
29 61 93 125 157 189	65,210.40	1.188	1.188	1.188
30 62 94 126 158 190	54,342.00	1.021	1.021	1.021
31 63 95 127 159 191	43,473.60	0.938	0.938	0.938
32 64 96 128 160 192	32,605.20	0.938	0.938	0.938
33 65 97 129 161 193	27,171.00	0.938	0.938	0.938
34 66 98 130 162 194	16,302.60	0.938	0.938	0.938
35 67 99 131 163 195	10,868.40	0.938	0.938	0.938
36 68 100 132 164 196	5,434.20	0.938	0.938	0.938

LOAD 2 :   DUE TO BOTTOM CABLE PRESTRESS

MEMBER	P	ES	EM	EE
31 63 95 127 159	10,868.40	-1.830	-1.830	-1.830
32 64 96 128 160	21,736.80	-1.830	-1.830	-1.830
33 65 97 129 161	32,605.20	-1.830	-1.830	-1.830
34 66 98 130 162	43,473.60	-1.830	-1.830	-1.830
35 67 99 131 163	48,907.80	-1.830	-1.830	-1.830
36 68 100 132 164	48,907.80	-1.830	-1.830	-1.830
37 69 101 133 165	48,907.80	-1.830	-1.830	-1.830
38 70 102 134 166	48,907.80	-1.830	-1.830	-1.830
39 71 103 135 167	48,907.80	-1.830	-1.830	-1.830
40 72 104 136 168	48,907.80	-1.830	-1.830	-1.830
41 73 105 137 169	43,473.60	-1.830	-1.830	-1.830
42 74 106 138 170	32,605.20	-1.830	-1.830	-1.830
43 75 107 139 171	21,736.80	-1.830	-1.830	-1.830
44 76 108 140 172	10,868.40	-1.830	-1.830	-1.830
1 202	21,736.80	0.000	-0.559	-1.017
2 201	21,736.80	-1.017	-1.627	-1.830
3 200	27,171.00	-1.830	-1.830	-1.830
4 10 193 199	32,605.20	-1.830	-1.830	-1.830
5 9 194 198	38,039.40	-1.830	-1.830	-1.830
6 TO 8 195 TO 197	43,473.60	-1.830	-1.830	-1.830
11 192	27,171.00	-1.830	-1.830	-1.830
12 191	16,302.60	-1.830	-1.830	-1.830
13 190	5,434.20	-1.830	-1.915	-2.000

THE STUDY ON THE CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA, PHASE - 2

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
1	3	1	17,223.38	-13,712.62	0.00	0.00	0.00	0.11
		2	-17,223.38	9,323.52	0.00	0.00	0.00	-23,137.85
2	3	2	17,230.62	-9,302.79	0.00	0.00	0.00	23,137.81
		3	-17,230.62	459.81	0.00	0.00	0.00	-42,844.52
3	3	3	22,664.04	-465.09	0.00	0.00	0.00	52,788.99
		4	-22,664.04	465.09	0.00	0.00	0.00	-54,843.15
4	3	4	28,098.21	-465.10	0.00	0.00	0.00	64,787.27
		5	-28,098.21	465.10	0.00	0.00	0.00	-66,835.91
5	3	5	33,532.33	-465.40	0.00	0.00	0.00	76,779.27
		6	-33,532.33	465.40	0.00	0.00	0.00	-78,795.05
6	3	6	38,967.25	-464.95	0.00	0.00	0.00	88,740.03
		7	-38,967.25	464.95	0.00	0.00	0.00	-90,687.52
7	3	7	44,401.52	-465.74	0.00	0.00	0.00	85,590.55
		8	-44,401.52	465.74	0.00	0.00	0.00	-87,223.96
8	3	8	49,835.18	-465.43	0.00	0.00	0.00	82,126.79
		9	-49,835.18	465.43	0.00	0.00	0.00	-83,690.12
9	3	9	49,835.11	-464.82	0.00	0.00	0.00	68,646.09
		10	-49,835.11	464.82	0.00	0.00	0.00	-70,155.82
10	3	10	55,269.72	-465.43	0.00	0.00	0.00	50,017.71
		11	-55,269.72	465.43	0.00	0.00	0.00	-51,488.08
11	3	11	55,269.19	-465.19	0.00	0.00	0.00	36,446.92
		12	-55,269.19	465.19	0.00	0.00	0.00	-37,895.14
12	3	12	55,270.25	-465.29	0.00	0.00	0.00	7,811.73
		13	-55,270.25	465.29	0.00	0.00	0.00	-9,263.39
13	3	13	55,293.47	-1,021.68	0.00	0.00	0.00	-25,331.95
		14	-55,293.47	1,021.68	0.00	0.00	0.00	22,413.57
14	3	14	-4,467.02	-716.41	0.00	0.00	0.00	22,193.51
		15	4,467.02	716.41	0.00	0.00	0.00	-24,359.11
15	3	15	71,606.04	-717.88	0.00	0.00	0.00	-78,872.01
		16	-71,606.04	717.88	0.00	0.00	0.00	76,977.19
16	3	16	82,474.34	-719.65	0.00	0.00	0.00	-106,418.60
		17	-82,474.34	719.65	0.00	0.00	0.00	104,518.10
17	3	17	87,907.45	-719.34	0.00	0.00	0.00	-128,515.60
		18	-87,907.45	719.34	0.00	0.00	0.00	126,582.70
18	3	18	93,343.26	-719.48	0.00	0.00	0.00	-152,428.80
		19	-93,343.26	719.48	0.00	0.00	0.00	150,452.90
19	3	19	98,776.23	-716.55	0.00	0.00	0.00	-178,041.30
		20	-98,776.23	716.55	0.00	0.00	0.00	176,018.50
20	3	20	104,209.80	-713.23	0.00	0.00	0.00	-220,225.10
		21	-104,209.80	713.23	0.00	0.00	0.00	217,433.60
21	3	21	104,201.20	-656.22	0.00	0.00	0.00	-217,433.70
		22	-104,201.20	656.22	0.00	0.00	0.00	216,101.80
22	3	22	102,318.30	233.17	0.00	0.00	0.00	-244,964.40
		23	-102,318.30	-233.17	0.00	0.00	0.00	245,380.10
23	3	23	102,322.40	313.66	0.00	0.00	0.00	-245,379.80
		24	-102,322.40	-313.66	0.00	0.00	0.00	246,406.00

420

THE STUDY ON THE CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA, PHASE - 2

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
24	3	24	96,888.79	318.29	0.00	0.00	0.00	-202,198.80
		25	-96,888.79	-318.29	0.00	0.00	0.00	202,886.70
25	3	25	91,455.53	322.56	0.00	0.00	0.00	-175,297.10
		26	-91,455.53	-322.56	0.00	0.00	0.00	175,932.00
26	3	26	86,020.42	322.61	0.00	0.00	0.00	-150,085.30
		27	-86,020.42	-322.61	0.00	0.00	0.00	150,663.20
27	3	27	80,586.02	323.38	0.00	0.00	0.00	-126,666.50
		28	-80,586.02	-323.38	0.00	0.00	0.00	127,205.00
28	3	28	69,718.53	321.20	0.00	0.00	0.00	-97,761.02
		29	-69,718.53	-321.20	0.00	0.00	0.00	98,300.38
29	3	29	-6,354.19	317.07	0.00	0.00	0.00	4,931.40
		30	6,354.19	-317.07	0.00	0.00	0.00	-3,950.62
30	3	30	47,981.48	314.43	0.00	0.00	0.00	-51,525.58
		31	-47,981.48	-314.43	0.00	0.00	0.00	52,197.83
31	3	31	47,972.99	-36.96	0.00	0.00	0.00	-17,604.31
		32	-47,972.99	36.96	0.00	0.00	0.00	17,185.30
32	3	32	47,973.15	-36.38	0.00	0.00	0.00	12,901.06
		33	-47,973.15	36.38	0.00	0.00	0.00	-13,291.33
33	3	33	53,407.33	-37.07	0.00	0.00	0.00	38,277.94
		34	-53,407.33	37.07	0.00	0.00	0.00	-38,671.10
34	3	34	53,408.24	-37.55	0.00	0.00	0.00	68,754.99
		35	-53,408.24	37.55	0.00	0.00	0.00	-69,100.61
35	3	35	53,407.77	-37.57	0.00	0.00	0.00	84,141.60
		36	-53,407.77	37.57	0.00	0.00	0.00	-84,422.23
36	3	36	47,973.64	-35.82	0.00	0.00	0.00	89,521.03
		37	-47,973.64	35.82	0.00	0.00	0.00	-89,714.94
37	3	37	42,539.34	-38.73	0.00	0.00	0.00	94,808.46
		38	-42,539.34	38.73	0.00	0.00	0.00	-94,899.90
38	3	38	42,539.08	-36.14	0.00	0.00	0.00	94,897.15
		39	-42,539.08	36.14	0.00	0.00	0.00	-94,955.45
39	3	39	47,973.64	-37.82	0.00	0.00	0.00	89,861.67
		40	-47,973.64	37.82	0.00	0.00	0.00	-89,921.53
40	3	40	53,407.29	-37.19	0.00	0.00	0.00	84,824.68
		41	-53,407.29	37.19	0.00	0.00	0.00	-84,803.09
41	3	41	53,408.61	-37.43	0.00	0.00	0.00	69,758.86
		42	-53,408.61	37.43	0.00	0.00	0.00	-69,677.27
42	3	42	53,407.77	-35.87	0.00	0.00	0.00	39,591.44
		43	-53,407.77	35.87	0.00	0.00	0.00	-39,460.60
43	3	43	47,973.29	-36.62	0.00	0.00	0.00	14,475.50
		44	-47,973.29	36.62	0.00	0.00	0.00	-14,347.86
44	3	44	47,973.26	-37.23	0.00	0.00	0.00	-15,737.80
		45	-47,973.26	37.23	0.00	0.00	0.00	15,892.35
45	3	45	47,985.26	-388.77	0.00	0.00	0.00	-50,485.95
		46	-47,985.26	388.77	0.00	0.00	0.00	49,589.14
46	3	46	-6,350.28	-393.16	0.00	0.00	0.00	5,885.24
		47	6,350.28	393.16	0.00	0.00	0.00	-7,090.42

4.21

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
47	3	47	69,722.22	-394.97	0.00	0.00	0.00	-96,142.22
		48	-69,722.22	394.97	0.00	0.00	0.00	95,382.95
48	3	48	80,590.93	-398.30	0.00	0.00	0.00	-124,826.60
		49	-80,590.93	398.30	0.00	0.00	0.00	124,069.30
49	3	49	86,025.35	-396.42	0.00	0.00	0.00	-148,066.70
		50	-86,025.35	396.42	0.00	0.00	0.00	147,274.20
50	3	50	91,459.47	-397.48	0.00	0.00	0.00	-173,120.50
		51	-91,459.47	397.48	0.00	0.00	0.00	172,275.50
51	3	51	96,893.19	-393.18	0.00	0.00	0.00	-199,865.00
		52	-96,893.19	393.18	0.00	0.00	0.00	198,970.00
52	3	52	102,327.00	-388.46	0.00	0.00	0.00	-243,177.00
		53	-102,327.00	388.46	0.00	0.00	0.00	241,880.70
53	3	53	102,322.10	-307.54	0.00	0.00	0.00	-241,880.40
		54	-102,322.10	307.54	0.00	0.00	0.00	241,333.40
54	3	54	101,921.40	252.77	0.00	0.00	0.00	-244,792.30
		55	-101,921.40	-252.77	0.00	0.00	0.00	245,327.30
55	3	55	101,926.20	338.41	0.00	0.00	0.00	-245,327.20
		56	-101,926.20	-338.41	0.00	0.00	0.00	246,610.40
56	3	56	96,492.15	343.67	0.00	0.00	0.00	-202,403.60
		57	-96,492.15	-343.67	0.00	0.00	0.00	203,276.60
57	3	57	91,058.00	348.33	0.00	0.00	0.00	-175,687.40
		58	-91,058.00	-348.33	0.00	0.00	0.00	176,497.90
58	3	58	85,623.23	348.63	0.00	0.00	0.00	-150,650.80
		59	-85,623.23	-348.63	0.00	0.00	0.00	151,398.80
59	3	59	80,188.98	348.20	0.00	0.00	0.00	-127,400.30
		60	-80,188.98	-348.20	0.00	0.00	0.00	128,096.60
60	3	60	69,321.12	346.31	0.00	0.00	0.00	-98,653.86
		61	-69,321.12	-346.31	0.00	0.00	0.00	99,334.62
61	3	61	-6,751.72	343.46	0.00	0.00	0.00	3,896.63
		62	6,751.72	-343.46	0.00	0.00	0.00	-2,834.78
62	3	62	47,583.79	339.66	0.00	0.00	0.00	-52,639.83
		63	-47,583.79	-339.66	0.00	0.00	0.00	53,424.36
63	3	63	47,575.17	-33.62	0.00	0.00	0.00	-18,829.47
		64	-47,575.17	33.62	0.00	0.00	0.00	18,446.26
64	3	64	47,574.89	-33.50	0.00	0.00	0.00	11,640.01
		65	-47,574.89	33.50	0.00	0.00	0.00	-12,010.51
65	3	65	53,009.29	-33.04	0.00	0.00	0.00	36,996.13
		66	-53,009.29	33.04	0.00	0.00	0.00	-37,370.41
66	3	66	53,010.42	-33.65	0.00	0.00	0.00	67,455.65
		67	-53,010.42	33.65	0.00	0.00	0.00	-67,781.84
67	3	67	53,009.18	-33.21	0.00	0.00	0.00	82,824.39
		68	-53,009.18	33.21	0.00	0.00	0.00	-83,082.07
68	3	68	47,574.88	-33.51	0.00	0.00	0.00	88,179.61
		69	-47,574.88	33.51	0.00	0.00	0.00	-88,350.32
69	3	69	42,140.69	-34.79	0.00	0.00	0.00	93,444.51
		70	-42,140.69	34.79	0.00	0.00	0.00	-93,514.68

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
70	3	70	42,141.96	-30.55	0.00	0.00	0.00	93,511.27
		71	-42,141.96	30.55	0.00	0.00	0.00	-93,558.55
71	3	71	47,575.43	-33.91	0.00	0.00	0.00	88,461.08
		72	-47,575.43	33.91	0.00	0.00	0.00	-88,488.88
72	3	72	53,009.24	-33.08	0.00	0.00	0.00	83,391.85
		73	-53,009.24	33.08	0.00	0.00	0.00	-83,342.26
73	3	73	53,010.14	-34.49	0.00	0.00	0.00	68,298.83
		74	-53,010.14	34.49	0.00	0.00	0.00	-68,194.43
74	3	74	53,009.14	-33.45	0.00	0.00	0.00	38,107.86
		75	-53,009.14	33.45	0.00	0.00	0.00	-37,969.88
75	3	75	47,575.34	-34.07	0.00	0.00	0.00	12,983.76
		76	-47,575.34	34.07	0.00	0.00	0.00	-12,856.16
76	3	76	47,575.58	-33.74	0.00	0.00	0.00	-17,229.11
		77	-47,575.58	33.74	0.00	0.00	0.00	17,368.80
77	3	77	47,587.53	-407.56	0.00	0.00	0.00	-51,961.63
		78	-47,587.53	407.56	0.00	0.00	0.00	50,974.19
78	3	78	-6,747.78	-411.36	0.00	0.00	0.00	4,501.51
		79	6,747.78	411.36	0.00	0.00	0.00	-5,766.27
79	3	79	69,324.93	-414.74	0.00	0.00	0.00	-97,466.05
		80	-69,324.93	414.74	0.00	0.00	0.00	96,601.41
80	3	80	80,193.01	-417.57	0.00	0.00	0.00	-126,046.30
		81	-80,193.01	417.57	0.00	0.00	0.00	125,180.00
81	3	81	85,627.20	-416.91	0.00	0.00	0.00	-149,179.90
		82	-85,627.20	416.91	0.00	0.00	0.00	148,276.50
82	3	82	91,061.89	-416.76	0.00	0.00	0.00	-174,123.50
		83	-91,061.89	416.76	0.00	0.00	0.00	173,171.60
83	3	83	96,495.87	-412.40	0.00	0.00	0.00	-200,760.50
		84	-96,495.87	412.40	0.00	0.00	0.00	199,759.70
84	3	84	101,929.50	-407.30	0.00	0.00	0.00	-243,966.50
		85	-101,929.50	407.30	0.00	0.00	0.00	242,531.50
85	3	85	101,924.60	-321.11	0.00	0.00	0.00	-242,531.60
		86	-101,924.60	321.11	0.00	0.00	0.00	241,927.50
86	3	86	102,726.50	641.27	0.00	0.00	0.00	-229,064.80
		87	-102,726.50	-641.27	0.00	0.00	0.00	230,350.80
87	3	87	102,734.80	716.47	0.00	0.00	0.00	-230,350.80
		88	-102,734.80	-716.47	0.00	0.00	0.00	233,107.00
88	3	88	97,301.66	720.85	0.00	0.00	0.00	-188,900.40
		89	-97,301.66	-720.85	0.00	0.00	0.00	190,883.50
89	3	89	91,868.08	725.13	0.00	0.00	0.00	-163,294.80
		90	-91,868.08	-725.13	0.00	0.00	0.00	165,222.50
90	3	90	86,432.99	725.31	0.00	0.00	0.00	-139,374.90
		91	-86,432.99	-725.31	0.00	0.00	0.00	141,248.20
91	3	91	80,998.94	725.03	0.00	0.00	0.00	-117,250.10
		92	-80,998.94	-725.03	0.00	0.00	0.00	119,076.00
92	3	92	70,130.02	722.91	0.00	0.00	0.00	-89,634.83
		93	-70,130.02	-722.91	0.00	0.00	0.00	91,452.16

423

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
93	3	93	-5,941.96	721.05	0.00	0.00	0.00	11,778.88
		94	5,941.96	-721.05	0.00	0.00	0.00	-9,582.72
94	3	94	48,393.29	717.14	0.00	0.00	0.00	-45,892.81
		95	-48,393.29	-717.14	0.00	0.00	0.00	47,823.25
95	3	95	48,362.69	388.05	0.00	0.00	0.00	-13,230.48
		96	-48,362.69	-388.05	0.00	0.00	0.00	14,336.57
96	3	96	48,362.53	388.16	0.00	0.00	0.00	15,748.32
		97	-48,362.53	-388.16	0.00	0.00	0.00	-14,627.80
97	3	97	53,796.65	387.58	0.00	0.00	0.00	39,612.44
		98	-53,796.65	-387.58	0.00	0.00	0.00	-38,494.06
98	3	98	53,797.68	388.34	0.00	0.00	0.00	68,578.84
		99	-53,797.68	-388.34	0.00	0.00	0.00	-67,413.98
99	3	99	53,796.01	387.14	0.00	0.00	0.00	82,455.96
		100	-53,796.01	-387.14	0.00	0.00	0.00	-81,227.13
100	3	100	48,362.69	388.36	0.00	0.00	0.00	86,324.21
		101	-48,362.69	-388.36	0.00	0.00	0.00	-85,007.49
101	3	101	42,928.32	387.29	0.00	0.00	0.00	90,107.84
		102	-42,928.32	-387.29	0.00	0.00	0.00	-89,323.57
204	3	204	372.20	1,844.37	0.00	0.00	0.00	22,477.92
		205	-372.20	-1,844.37	0.00	0.00	0.00	-19,691.46
205	3	205	372.20	1,873.18	0.00	0.00	0.00	19,681.07
		206	-372.20	-1,873.18	0.00	0.00	0.00	-11,250.83
206	3	206	372.20	1,873.96	0.00	0.00	0.00	11,249.30
		207	-372.20	-1,873.96	0.00	0.00	0.00	-2,817.17
207	3	207	372.21	1,869.81	0.00	0.00	0.00	2,797.13
		208	-372.21	-1,869.81	0.00	0.00	0.00	-17.84
210	3	210	-8.77	375.25	0.00	0.00	0.00	2,103.13
		211	8.77	-375.25	0.00	0.00	0.00	-1,523.09
211	3	211	-8.81	398.09	0.00	0.00	0.00	1,510.01
		212	8.81	-398.09	0.00	0.00	0.00	878.11
212	3	212	-8.81	397.87	0.00	0.00	0.00	-877.86
		213	8.81	-397.87	0.00	0.00	0.00	3,264.60
213	3	213	-8.81	398.61	0.00	0.00	0.00	-3,256.30
		214	8.81	-398.61	0.00	0.00	0.00	3,874.57
216	3	216	445.26	-778.73	0.00	0.00	0.00	-10,242.55
		217	-445.26	778.73	0.00	0.00	0.00	9,063.05
217	3	217	445.27	-774.19	0.00	0.00	0.00	-9,069.10
		218	-445.27	774.19	0.00	0.00	0.00	3,262.72
218	3	218	445.26	-774.25	0.00	0.00	0.00	-3,262.45
		219	-445.26	774.25	0.00	0.00	0.00	-2,544.51
219	3	219	445.27	-776.27	0.00	0.00	0.00	2,548.75
		220	-445.27	776.27	0.00	0.00	0.00	-3,700.51
239	3	209	-936.88	3,269.03	0.00	0.00	0.00	669.63
		240	936.88	-3,269.03	0.00	0.00	0.00	14,860.33
240	3	240	0.28	-0.02	0.00	0.00	0.00	-0.01
		241	-0.28	0.02	0.00	0.00	0.00	0.00

424

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
241	3	209	936.41	-3,641.25	0.00	0.00	0.00	-2,137.12
		242	-936.41	3,641.25	0.00	0.00	0.00	-15,157.13
242	3	242	-0.57	-0.17	0.00	0.00	0.00	-0.23
		243	0.57	0.17	0.00	0.00	0.00	-0.10
243	3	215	-202.58	1,133.35	0.00	0.00	0.00	2,246.17
		244	202.58	-1,133.35	0.00	0.00	0.00	3,138.17
244	3	244	0.57	-0.01	0.00	0.00	0.00	0.04
		245	-0.57	0.01	0.00	0.00	0.00	0.02
245	3	215	195.33	-1,124.54	0.00	0.00	0.00	-2,212.26
		246	-195.33	1,124.54	0.00	0.00	0.00	-3,128.34
246	3	246	-0.35	0.08	0.00	0.00	0.00	0.08
		247	0.35	-0.08	0.00	0.00	0.00	0.07
247	3	221	392.54	-2,029.17	0.00	0.00	0.00	-3,309.65
		248	-392.54	2,029.17	0.00	0.00	0.00	-6,328.28
248	3	248	-0.33	-0.04	0.00	0.00	0.00	-0.12
		249	0.33	0.04	0.00	0.00	0.00	0.03
249	3	221	-381.66	1,583.92	0.00	0.00	0.00	1,557.52
		250	381.66	-1,583.92	0.00	0.00	0.00	5,966.71
250	3	250	-0.61	0.02	0.00	0.00	0.00	0.04
		251	0.61	-0.02	0.00	0.00	0.00	0.04
264	3	264	-3,269.00	937.34	0.00	0.00	0.00	13,458.38
		265	3,269.00	-937.34	0.00	0.00	0.00	-5,068.59
265	3	265	-3,269.02	937.34	0.00	0.00	0.00	5,068.58
		266	3,269.02	-937.34	0.00	0.00	0.00	-8,890.48
266	3	266	-3,269.02	678.05	0.00	0.00	0.00	-8,890.05
		267	3,269.02	-678.05	0.00	0.00	0.00	9,899.53
267	3	267	-3,269.01	268.37	0.00	0.00	0.00	-9,898.92
		268	3,269.01	-268.37	0.00	0.00	0.00	10,294.94
268	3	268	-3,269.03	-43.13	0.00	0.00	0.00	-10,295.06
		269	3,269.03	43.13	0.00	0.00	0.00	10,224.70
269	3	269	-3,269.02	-270.24	0.00	0.00	0.00	-10,224.87
		270	3,269.02	270.24	0.00	0.00	0.00	9,814.73
270	3	270	-3,269.02	-427.69	0.00	0.00	0.00	-9,814.77
		271	3,269.02	427.69	0.00	0.00	0.00	9,169.45
271	3	271	-3,269.04	-557.59	0.00	0.00	0.00	-9,169.44
		272	3,269.04	557.59	0.00	0.00	0.00	8,329.87
272	3	272	-3,269.02	-754.51	0.00	0.00	0.00	-8,329.89
		273	3,269.02	754.51	0.00	0.00	0.00	7,195.88
273	3	273	-3,269.03	-837.97	0.00	0.00	0.00	-7,195.90
		274	3,269.03	837.97	0.00	0.00	0.00	5,937.37
274	3	274	-3,269.03	-843.52	0.00	0.00	0.00	-5,937.36
		275	3,269.03	843.52	0.00	0.00	0.00	4,671.08
275	3	275	-3,269.00	-782.75	0.00	0.00	0.00	-4,671.07
		276	3,269.00	782.75	0.00	0.00	0.00	3,496.37
276	3	276	-3,269.01	-684.54	0.00	0.00	0.00	-3,496.36
		277	3,269.01	684.54	0.00	0.00	0.00	2,469.30

425

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
277	3	277	-3,269.03	-570.49	0.00	0.00	0.00	-2,469.30
		278	3,269.03	570.49	0.00	0.00	0.00	1,613.58
278	3	278	-3,269.03	-455.99	0.00	0.00	0.00	-1,613.55
		279	3,269.03	455.99	0.00	0.00	0.00	929.73
279	3	279	-3,269.01	-351.14	0.00	0.00	0.00	-929.72
		280	3,269.01	351.14	0.00	0.00	0.00	403.24
280	3	280	-3,269.02	-261.79	0.00	0.00	0.00	-403.24
		281	3,269.02	261.79	0.00	0.00	0.00	10.81
281	3	281	-3,269.02	-190.59	0.00	0.00	0.00	-10.80
		282	3,269.02	190.59	0.00	0.00	0.00	-274.81
282	3	282	-3,269.03	-120.13	0.00	0.00	0.00	274.82
		283	3,269.03	120.13	0.00	0.00	0.00	-454.76
283	3	283	-3,269.00	-71.94	0.00	0.00	0.00	454.76
		284	3,269.00	71.94	0.00	0.00	0.00	-562.45
284	3	284	-3,269.03	15.98	0.00	0.00	0.00	562.46
		285	3,269.03	-15.98	0.00	0.00	0.00	-538.33
285	3	285	-3,269.01	61.49	0.00	0.00	0.00	538.33
		286	3,269.01	-61.49	0.00	0.00	0.00	-415.21
286	3	286	-3,269.02	70.13	0.00	0.00	0.00	415.21
		287	3,269.02	-70.13	0.00	0.00	0.00	-274.88
287	3	287	-3,269.02	59.79	0.00	0.00	0.00	274.88
		288	3,269.02	-59.79	0.00	0.00	0.00	-155.27
288	3	288	-3,269.01	42.56	0.00	0.00	0.00	155.27
		289	3,269.01	-42.56	0.00	0.00	0.00	-70.16
289	3	289	-3,269.03	26.89	0.00	0.00	0.00	70.16
		290	3,269.03	-26.89	0.00	0.00	0.00	-16.40
290	3	290	-3,269.01	14.28	0.00	0.00	0.00	16.40
		291	3,269.01	-14.28	0.00	0.00	0.00	12.15
291	3	291	-3,269.02	5.57	0.00	0.00	0.00	-12.15
		292	3,269.02	-5.57	0.00	0.00	0.00	23.28
292	3	292	-3,269.01	0.38	0.00	0.00	0.00	-23.28
		293	3,269.01	-0.38	0.00	0.00	0.00	24.02
293	3	293	-3,269.02	-2.14	0.00	0.00	0.00	-24.02
		294	3,269.02	2.14	0.00	0.00	0.00	19.73
294	3	294	-3,269.02	-2.92	0.00	0.00	0.00	-19.73
		295	3,269.02	2.92	0.00	0.00	0.00	13.88
295	3	295	-3,269.02	-2.72	0.00	0.00	0.00	-13.88
		296	3,269.02	2.72	0.00	0.00	0.00	8.44
296	3	296	-3,269.02	-2.10	0.00	0.00	0.00	-8.44
		297	3,269.02	2.10	0.00	0.00	0.00	4.23
297	3	297	-3,269.02	-1.40	0.00	0.00	0.00	-4.23
		298	3,269.02	1.40	0.00	0.00	0.00	1.43
298	3	298	-3,269.01	-0.80	0.00	0.00	0.00	-1.43
		299	3,269.01	0.80	0.00	0.00	0.00	-0.17
299	3	299	-3,269.02	-0.36	0.00	0.00	0.00	0.17
		300	3,269.02	0.36	0.00	0.00	0.00	-0.90

426

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
300	3	300	-3,269.02	-0.09	0.00	0.00	0.00	0.90
		301	3,269.02	0.09	0.00	0.00	0.00	-1.07
301	3	301	-3,269.02	0.06	0.00	0.00	0.00	1.07
		302	3,269.02	-0.06	0.00	0.00	0.00	-0.95
302	3	302	-3,269.02	0.12	0.00	0.00	0.00	0.95
		303	3,269.02	-0.12	0.00	0.00	0.00	-0.71
303	3	303	-3,269.02	0.12	0.00	0.00	0.00	0.71
		304	3,269.02	-0.12	0.00	0.00	0.00	-0.46
304	3	304	-3,269.02	0.11	0.00	0.00	0.00	0.46
		305	3,269.02	-0.11	0.00	0.00	0.00	-0.25
305	3	305	-3,269.02	0.08	0.00	0.00	0.00	0.25
		306	3,269.02	-0.08	0.00	0.00	0.00	-0.09
306	3	306	-3,269.02	0.06	0.00	0.00	0.00	0.09
		307	3,269.02	-0.06	0.00	0.00	0.00	0.04
307	3	307	-3,269.02	0.05	0.00	0.00	0.00	-0.04
		308	3,269.02	-0.05	0.00	0.00	0.00	0.14
308	3	308	-3,269.02	0.05	0.00	0.00	0.00	-0.14
		309	3,269.02	-0.05	0.00	0.00	0.00	0.22
310	3	310	3,641.23	936.63	0.00	0.00	0.00	13,747.04
		311	-3,641.23	-936.63	0.00	0.00	0.00	-5,255.07
311	3	311	3,641.23	936.64	0.00	0.00	0.00	5,255.07
		312	-3,641.23	-936.64	0.00	0.00	0.00	8,935.38
312	3	312	3,641.24	674.91	0.00	0.00	0.00	-8,935.75
		314	-3,641.24	-674.91	0.00	0.00	0.00	9,958.62
313	3	314	3,641.22	262.94	0.00	0.00	0.00	-9,959.28
		315	-3,641.22	-262.94	0.00	0.00	0.00	10,363.20
314	3	315	3,641.26	-49.36	0.00	0.00	0.00	-10,363.64
		316	-3,641.26	49.36	0.00	0.00	0.00	10,297.68
315	3	316	3,641.20	-278.17	0.00	0.00	0.00	-10,297.61
		317	-3,641.20	278.17	0.00	0.00	0.00	9,887.07
316	3	317	3,641.23	-436.31	0.00	0.00	0.00	-9,887.23
		318	-3,641.23	436.31	0.00	0.00	0.00	9,238.07
317	3	318	3,641.25	-567.05	0.00	0.00	0.00	-9,238.25
		319	-3,641.25	567.05	0.00	0.00	0.00	8,391.96
318	3	319	3,641.22	-764.15	0.00	0.00	0.00	-8,392.04
		320	-3,641.22	764.15	0.00	0.00	0.00	7,249.04
319	3	320	3,641.24	-847.36	0.00	0.00	0.00	-7,249.04
		321	-3,641.24	847.36	0.00	0.00	0.00	5,980.25
320	3	321	3,641.24	-851.92	0.00	0.00	0.00	-5,980.26
		322	-3,641.24	851.92	0.00	0.00	0.00	4,703.80
321	3	322	3,641.24	-789.91	0.00	0.00	0.00	-4,703.81
		323	-3,641.24	789.91	0.00	0.00	0.00	3,519.76
322	3	323	3,641.22	-690.29	0.00	0.00	0.00	-3,519.74
		324	-3,641.22	690.29	0.00	0.00	0.00	2,484.67
323	3	324	3,641.22	-574.92	0.00	0.00	0.00	-2,484.66
		325	-3,641.22	574.92	0.00	0.00	0.00	1,622.28

427

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
324	3	325	3,641.27	-459.19	0.00	0.00	0.00	-1,622.27
		326	-3,641.27	459.19	0.00	0.00	0.00	933.28
325	3	326	3,641.24	-353.34	0.00	0.00	0.00	-933.27
		327	-3,641.24	353.34	0.00	0.00	0.00	402.92
326	3	327	3,641.22	-263.17	0.00	0.00	0.00	-402.93
		328	-3,641.22	263.17	0.00	0.00	0.00	7.78
327	3	328	3,641.24	-191.36	0.00	0.00	0.00	-7.79
		329	-3,641.24	191.36	0.00	0.00	0.00	-279.64
328	3	329	3,641.26	-120.30	0.00	0.00	0.00	279.64
		330	-3,641.26	120.30	0.00	0.00	0.00	-460.46
329	3	330	3,641.23	-71.78	0.00	0.00	0.00	460.46
		331	-3,641.23	71.78	0.00	0.00	0.00	-568.43
330	3	331	3,641.23	16.70	0.00	0.00	0.00	568.43
		313	-3,641.23	-16.70	0.00	0.00	0.00	-543.61
331	3	313	3,641.24	62.40	0.00	0.00	0.00	543.61
		333	-3,641.24	-62.40	0.00	0.00	0.00	-419.00
332	3	333	3,641.23	70.95	0.00	0.00	0.00	419.00
		334	-3,641.23	-70.95	0.00	0.00	0.00	-277.20
333	3	334	3,641.23	60.41	0.00	0.00	0.00	277.20
		335	-3,641.23	-60.41	0.00	0.00	0.00	-156.42
334	3	335	3,641.23	42.94	0.00	0.00	0.00	156.42
		336	-3,641.23	-42.94	0.00	0.00	0.00	-70.54
335	3	336	3,641.26	27.09	0.00	0.00	0.00	70.54
		337	-3,641.26	-27.09	0.00	0.00	0.00	-16.33
336	3	337	3,641.23	14.37	0.00	0.00	0.00	16.33
		338	-3,641.23	-14.37	0.00	0.00	0.00	12.43
337	3	338	3,641.24	5.58	0.00	0.00	0.00	-12.43
		339	-3,641.24	-5.58	0.00	0.00	0.00	23.60
338	3	339	3,641.24	0.35	0.00	0.00	0.00	-23.60
		340	-3,641.24	-0.35	0.00	0.00	0.00	24.31
339	3	340	3,641.24	-2.19	0.00	0.00	0.00	-24.31
		341	-3,641.24	2.19	0.00	0.00	0.00	19.94
340	3	341	3,641.24	-2.96	0.00	0.00	0.00	-19.94
		342	-3,641.24	2.96	0.00	0.00	0.00	14.02
341	3	342	3,641.24	-2.76	0.00	0.00	0.00	-14.02
		343	-3,641.24	2.76	0.00	0.00	0.00	8.51
342	3	343	3,641.23	-2.12	0.00	0.00	0.00	-8.51
		344	-3,641.23	2.12	0.00	0.00	0.00	4.26
343	3	344	3,641.23	-1.42	0.00	0.00	0.00	-4.26
		345	-3,641.23	1.42	0.00	0.00	0.00	1.43
344	3	345	3,641.23	-0.81	0.00	0.00	0.00	-1.43
		346	-3,641.23	0.81	0.00	0.00	0.00	-0.19
345	3	346	3,641.24	-0.36	0.00	0.00	0.00	0.19
		347	-3,641.24	0.36	0.00	0.00	0.00	-0.92
346	3	347	3,641.24	-0.09	0.00	0.00	0.00	0.92
		348	-3,641.24	0.09	0.00	0.00	0.00	-1.09

428

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
347	3	348	3,641.23	0.06	0.00	0.00	0.00	1.09
		349	-3,641.23	-0.06	0.00	0.00	0.00	-0.96
348	3	349	3,641.24	0.12	0.00	0.00	0.00	0.96
		350	-3,641.24	-0.12	0.00	0.00	0.00	-0.72
349	3	350	3,641.24	0.13	0.00	0.00	0.00	0.72
		351	-3,641.24	-0.13	0.00	0.00	0.00	-0.47
350	3	351	3,641.23	0.11	0.00	0.00	0.00	0.47
		352	-3,641.23	-0.11	0.00	0.00	0.00	-0.26
351	3	352	3,641.24	0.08	0.00	0.00	0.00	0.26
		353	-3,641.24	-0.08	0.00	0.00	0.00	-0.09
352	3	353	3,641.24	0.06	0.00	0.00	0.00	0.09
		354	-3,641.24	-0.06	0.00	0.00	0.00	0.04
353	3	354	3,641.24	0.05	0.00	0.00	0.00	-0.04
		332	-3,641.24	-0.05	0.00	0.00	0.00	0.15
354	3	332	3,641.24	0.05	0.00	0.00	0.00	-0.15
		355	-3,641.24	-0.05	0.00	0.00	0.00	0.22
356	3	356	-1,133.34	202.68	0.00	0.00	0.00	2,836.87
		357	1,133.34	-202.68	0.00	0.00	0.00	-1,042.93
357	3	357	-1,133.34	202.68	0.00	0.00	0.00	1,042.93
		358	1,133.34	-202.68	0.00	0.00	0.00	1,931.96
358	3	358	-1,133.37	146.82	0.00	0.00	0.00	-1,931.74
		360	1,133.37	-146.82	0.00	0.00	0.00	2,146.96
359	3	360	-1,133.35	58.36	0.00	0.00	0.00	-2,146.74
		361	1,133.35	-58.36	0.00	0.00	0.00	2,229.73
360	3	361	-1,133.35	-9.23	0.00	0.00	0.00	-2,229.95
		362	1,133.35	9.23	0.00	0.00	0.00	2,212.28
361	3	362	-1,133.35	-58.00	0.00	0.00	0.00	-2,212.38
		363	1,133.35	58.00	0.00	0.00	0.00	2,122.24
362	3	363	-1,133.35	-92.12	0.00	0.00	0.00	-2,122.19
		364	1,133.35	92.12	0.00	0.00	0.00	1,981.43
363	3	364	-1,133.34	-120.11	0.00	0.00	0.00	-1,981.41
		365	1,133.34	120.11	0.00	0.00	0.00	1,799.26
364	3	365	-1,133.37	-162.71	0.00	0.00	0.00	-1,799.19
		366	1,133.37	162.71	0.00	0.00	0.00	1,553.69
365	3	366	-1,133.35	-180.74	0.00	0.00	0.00	-1,553.69
		367	1,133.35	180.74	0.00	0.00	0.00	1,281.57
366	3	367	-1,133.31	-181.95	0.00	0.00	0.00	-1,281.57
		368	1,133.31	181.95	0.00	0.00	0.00	1,008.00
367	3	368	-1,133.37	-168.85	0.00	0.00	0.00	-1,007.99
		369	1,133.37	168.85	0.00	0.00	0.00	754.35
368	3	369	-1,133.36	-147.69	0.00	0.00	0.00	-754.35
		370	1,133.36	147.69	0.00	0.00	0.00	532.65
369	3	370	-1,133.33	-123.09	0.00	0.00	0.00	-532.65
		371	1,133.33	123.09	0.00	0.00	0.00	348.02
370	3	371	-1,133.32	-98.39	0.00	0.00	0.00	-348.01
		372	1,133.32	98.39	0.00	0.00	0.00	200.51

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
371	3	372	-1,133.32	-75.81	0.00	0.00	0.00	-200.52
		373	1,133.32	75.81	0.00	0.00	0.00	86.95
372	3	373	-1,133.36	-56.52	0.00	0.00	0.00	-86.96
		374	1,133.36	56.52	0.00	0.00	0.00	2.35
373	3	374	-1,133.34	-41.17	0.00	0.00	0.00	-2.35
		375	1,133.34	41.17	0.00	0.00	0.00	-59.23
374	3	375	-1,133.34	-25.97	0.00	0.00	0.00	59.23
		376	1,133.34	25.97	0.00	0.00	0.00	-98.02
375	3	376	-1,133.34	-15.58	0.00	0.00	0.00	98.02
		377	1,133.34	15.58	0.00	0.00	0.00	-121.25
376	3	377	-1,133.33	3.40	0.00	0.00	0.00	121.25
		359	1,133.33	-3.40	0.00	0.00	0.00	-116.05
377	3	359	-1,133.35	13.22	0.00	0.00	0.00	116.05
		379	1,133.35	-13.22	0.00	0.00	0.00	-89.51
378	3	379	-1,133.35	15.10	0.00	0.00	0.00	89.51
		380	1,133.35	-15.10	0.00	0.00	0.00	-59.26
379	3	380	-1,133.33	12.88	0.00	0.00	0.00	59.26
		381	1,133.33	-12.88	0.00	0.00	0.00	-33.48
380	3	381	-1,133.33	9.17	0.00	0.00	0.00	33.48
		382	1,133.33	-9.17	0.00	0.00	0.00	-15.14
381	3	382	-1,133.34	5.80	0.00	0.00	0.00	15.14
		383	1,133.34	-5.80	0.00	0.00	0.00	-3.55
382	3	383	-1,133.36	3.08	0.00	0.00	0.00	3.55
		384	1,133.36	-3.08	0.00	0.00	0.00	2.61
383	3	384	-1,133.34	1.21	0.00	0.00	0.00	-2.61
		385	1,133.34	-1.21	0.00	0.00	0.00	5.01
384	3	385	-1,133.35	0.09	0.00	0.00	0.00	-5.01
		386	1,133.35	-0.09	0.00	0.00	0.00	5.17
385	3	386	-1,133.35	-0.46	0.00	0.00	0.00	-5.17
		387	1,133.35	0.46	0.00	0.00	0.00	4.25
386	3	387	-1,133.35	-0.63	0.00	0.00	0.00	-4.25
		388	1,133.35	0.63	0.00	0.00	0.00	2.99
387	3	388	-1,133.35	-0.59	0.00	0.00	0.00	-2.99
		389	1,133.35	0.59	0.00	0.00	0.00	1.82
388	3	389	-1,133.35	-0.45	0.00	0.00	0.00	-1.82
		390	1,133.35	0.45	0.00	0.00	0.00	0.91
389	3	390	-1,133.35	-0.30	0.00	0.00	0.00	-0.91
		391	1,133.35	0.30	0.00	0.00	0.00	0.31
390	3	391	-1,133.35	-0.17	0.00	0.00	0.00	-0.31
		392	1,133.35	0.17	0.00	0.00	0.00	-0.04
391	3	392	-1,133.35	-0.08	0.00	0.00	0.00	0.04
		393	1,133.35	0.08	0.00	0.00	0.00	-0.19
392	3	393	-1,133.34	-0.02	0.00	0.00	0.00	0.19
		394	1,133.34	0.02	0.00	0.00	0.00	-0.23
393	3	394	-1,133.34	0.01	0.00	0.00	0.00	0.23
		395	1,133.34	-0.01	0.00	0.00	0.00	-0.20

430

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
394	3	395	-1,133.34	0.03	0.00	0.00	0.00	0.20
		396	1,133.34	-0.03	0.00	0.00	0.00	-0.15
395	3	396	-1,133.34	0.03	0.00	0.00	0.00	0.15
		397	1,133.34	-0.03	0.00	0.00	0.00	-0.10
396	3	397	-1,133.34	0.02	0.00	0.00	0.00	0.10
		398	1,133.34	-0.02	0.00	0.00	0.00	-0.05
397	3	398	-1,133.34	0.02	0.00	0.00	0.00	0.05
		399	1,133.34	-0.02	0.00	-0.00	0.00	-0.02
398	3	399	-1,133.34	0.01	0.00	0.00	0.00	0.02
		400	1,133.34	-0.01	0.00	0.00	0.00	0.01
399	3	400	-1,133.34	0.01	0.00	0.00	0.00	-0.01
		378	1,133.34	-0.01	0.00	0.00	0.00	0.03
400	3	378	-1,133.34	0.01	0.00	0.00	0.00	-0.03
		401	1,133.34	-0.01	0.00	0.00	0.00	0.05
402	3	402	1,124.54	195.25	0.00	0.00	0.00	2,832.81
		403	-1,124.54	-195.25	0.00	0.00	0.00	-1,046.88
403	3	403	1,124.54	195.25	0.00	0.00	0.00	1,046.85
		404	-1,124.54	-195.25	0.00	0.00	0.00	1,943.41
404	3	404	1,124.55	139.43	0.00	0.00	0.00	-1,943.54
		406	-1,124.55	-139.43	0.00	0.00	0.00	2,157.02
405	3	406	1,124.56	51.57	0.00	0.00	0.00	-2,157.10
		407	-1,124.56	-51.57	0.00	0.00	0.00	2,238.65
406	3	407	1,124.55	-15.17	0.00	0.00	0.00	-2,238.76
		408	-1,124.55	15.17	0.00	0.00	0.00	2,219.56
407	3	408	1,124.55	-63.68	0.00	0.00	0.00	-2,219.67
		409	-1,124.55	63.68	0.00	0.00	0.00	2,127.09
408	3	409	1,124.55	-97.21	0.00	0.00	0.00	-2,127.17
		410	-1,124.55	97.21	0.00	0.00	0.00	1,983.71
409	3	410	1,124.55	-124.75	0.00	0.00	0.00	-1,983.79
		411	-1,124.55	124.75	0.00	0.00	0.00	1,798.48
410	3	411	1,124.56	-166.02	0.00	0.00	0.00	-1,798.49
		412	-1,124.56	166.02	0.00	0.00	0.00	1,550.83
411	3	412	1,124.54	-183.11	0.00	0.00	0.00	-1,550.81
		413	-1,124.54	183.11	0.00	0.00	0.00	1,277.09
412	3	413	1,124.54	-183.35	0.00	0.00	0.00	-1,277.09
		414	-1,124.54	183.35	0.00	0.00	0.00	1,002.67
413	3	414	1,124.54	-169.52	0.00	0.00	0.00	-1,002.67
		415	-1,124.54	169.52	0.00	0.00	0.00	748.74
414	3	415	1,124.54	-147.79	0.00	0.00	0.00	-748.74
		416	-1,124.54	147.79	0.00	0.00	0.00	527.18
415	3	416	1,124.55	-122.82	0.00	0.00	0.00	-527.17
		417	-1,124.55	122.82	0.00	0.00	0.00	342.94
416	3	417	1,124.54	-97.91	0.00	0.00	0.00	-342.93
		418	-1,124.54	97.91	0.00	0.00	0.00	195.97
417	3	418	1,124.56	-75.15	0.00	0.00	0.00	-195.97
		419	-1,124.56	75.15	0.00	0.00	0.00	83.09

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DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
418	3	419	1,124.55	-55.82	0.00	0.00	0.00	-83.07
		420	-1,124.55	55.82	0.00	0.00	0.00	-0.82
419	3	420	1,124.56	-40.46	0.00	0.00	0.00	0.83
		421	-1,124.56	40.46	0.00	0.00	0.00	-61.70
420	3	421	1,124.55	-25.30	0.00	0.00	0.00	61.69
		422	-1,124.55	25.30	0.00	0.00	0.00	-99.80
421	3	422	1,124.55	-14.95	0.00	0.00	0.00	99.79
		423	-1,124.55	14.95	0.00	0.00	0.00	-122.34
422	3	423	1,124.54	3.86	0.00	0.00	0.00	122.33
		405	-1,124.54	-3.86	0.00	0.00	0.00	-116.65
423	3	405	1,124.56	13.52	0.00	0.00	0.00	116.64
		425	-1,124.56	-13.52	0.00	0.00	0.00	-89.68
424	3	425	1,124.54	15.27	0.00	0.00	0.00	89.68
		426	-1,124.54	-15.27	0.00	0.00	0.00	-59.19
425	3	426	1,124.55	12.95	0.00	0.00	0.00	59.19
		427	-1,124.55	-12.95	0.00	0.00	0.00	-33.30
426	3	427	1,124.55	9.18	0.00	0.00	0.00	33.30
		428	-1,124.55	-9.18	0.00	0.00	0.00	-14.94
427	3	428	1,124.54	5.78	0.00	0.00	0.00	14.94
		429	-1,124.54	-5.78	0.00	0.00	0.00	-3.37
428	3	429	1,124.54	3.05	0.00	0.00	0.00	3.37
		430	-1,124.54	-3.05	0.00	0.00	0.00	2.74
429	3	430	1,124.55	1.17	0.00	0.00	0.00	-2.74
		431	-1,124.55	-1.17	0.00	0.00	0.00	5.10
430	3	431	1,124.54	0.06	0.00	0.00	0.00	-5.10
		432	-1,124.54	-0.06	0.00	0.00	0.00	5.23
431	3	432	1,124.55	-0.48	0.00	0.00	0.00	-5.23
		433	-1,124.55	0.48	0.00	0.00	0.00	4.27
432	3	433	1,124.55	-0.64	0.00	0.00	0.00	-4.27
		434	-1,124.55	0.64	0.00	0.00	0.00	3.00
433	3	434	1,124.54	-0.59	0.00	0.00	0.00	-3.00
		435	-1,124.54	0.59	0.00	0.00	0.00	1.81
434	3	435	1,124.55	-0.46	0.00	0.00	0.00	-1.81
		436	-1,124.55	0.46	0.00	0.00	0.00	0.90
435	3	436	1,124.55	-0.30	0.00	0.00	0.00	-0.90
		437	-1,124.55	0.30	0.00	0.00	0.00	0.30
436	3	437	1,124.55	-0.17	0.00	0.00	0.00	-0.30
		438	-1,124.55	0.17	0.00	0.00	0.00	-0.04
437	3	438	1,124.55	-0.08	0.00	0.00	0.00	0.04
		439	-1,124.55	0.08	0.00	0.00	0.00	-0.20
438	3	439	1,124.54	-0.02	0.00	0.00	0.00	0.20
		440	-1,124.54	0.02	0.00	0.00	0.00	-0.23
439	3	440	1,124.55	0.01	0.00	0.00	0.00	0.23
		441	-1,124.55	-0.01	0.00	0.00	0.00	-0.21
440	3	441	1,124.54	0.03	0.00	0.00	0.00	0.21
		442	-1,124.54	-0.03	0.00	0.00	0.00	-0.15

432

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
441	3	442	1,124.54	0.03	0.00	0.00	0.00	0.15
		443	-1,124.54	-0.03	0.00	0.00	0.00	-0.10
442	3	443	1,124.55	0.02	0.00	0.00	0.00	0.10
		444	-1,124.55	-0.02	0.00	0.00	0.00	-0.05
443	3	444	1,124.55	0.02	0.00	0.00	0.00	0.05
		445	-1,124.55	-0.02	0.00	0.00	0.00	-0.02
444	3	445	1,124.55	0.01	0.00	0.00	0.00	0.02
		446	-1,124.55	-0.01	0.00	0.00	0.00	0.01
445	3	446	1,124.55	0.01	0.00	0.00	0.00	-0.01
		424	-1,124.55	-0.01	0.00	0.00	0.00	0.03
446	3	424	1,124.55	0.01	0.00	0.00	0.00	-0.03
		447	-1,124.55	-0.01	0.00	0.00	0.00	0.05
448	3	448	2,029.17	-392.51	0.00	0.00	0.00	-5,737.81
		449	-2,029.17	392.51	0.00	0.00	0.00	2,186.55
449	3	449	2,029.17	-392.51	0.00	0.00	0.00	-2,186.55
		450	-2,029.17	392.51	0.00	0.00	0.00	-3,741.46
450	3	450	2,029.20	-282.83	0.00	0.00	0.00	3,741.51
		452	-2,029.20	282.83	0.00	0.00	0.00	-4,169.00
451	3	452	2,029.18	-110.89	0.00	0.00	0.00	4,169.00
		453	-2,029.18	110.89	0.00	0.00	0.00	-4,338.06
452	3	453	2,029.18	20.39	0.00	0.00	0.00	4,337.98
		454	-2,029.18	-20.39	0.00	0.00	0.00	-4,309.79
453	3	454	2,029.16	115.89	0.00	0.00	0.00	4,309.73
		455	-2,029.16	-115.89	0.00	0.00	0.00	-4,137.88
454	3	455	2,029.19	182.13	0.00	0.00	0.00	4,137.77
		456	-2,029.19	-182.13	0.00	0.00	0.00	-3,866.08
455	3	456	2,029.17	236.90	0.00	0.00	0.00	3,866.05
		457	-2,029.17	-236.90	0.00	0.00	0.00	-3,511.92
456	3	457	2,029.20	319.48	0.00	0.00	0.00	3,511.92
		458	-2,029.20	-319.48	0.00	0.00	0.00	-3,033.59
457	3	458	2,029.16	354.36	0.00	0.00	0.00	3,033.60
		459	-2,029.16	-354.36	0.00	0.00	0.00	-2,502.68
458	3	459	2,029.17	356.35	0.00	0.00	0.00	2,502.67
		460	-2,029.17	-356.35	0.00	0.00	0.00	-1,968.54
459	3	460	2,029.18	330.46	0.00	0.00	0.00	1,968.54
		461	-2,029.18	-330.46	0.00	0.00	0.00	-1,473.09
460	3	461	2,029.18	288.84	0.00	0.00	0.00	1,473.10
		462	-2,029.18	-288.84	0.00	0.00	0.00	-1,039.94
461	3	462	2,029.18	240.58	0.00	0.00	0.00	1,039.95
		463	-2,029.18	-240.58	0.00	0.00	0.00	-679.08
462	3	463	2,029.17	192.18	0.00	0.00	0.00	679.09
		464	-2,029.17	-192.18	0.00	0.00	0.00	-390.75
463	3	464	2,029.18	147.89	0.00	0.00	0.00	390.76
		465	-2,029.18	-147.89	0.00	0.00	0.00	-168.84
464	3	465	2,029.17	110.16	0.00	0.00	0.00	168.83
		466	-2,029.17	-110.16	0.00	0.00	0.00	-3.47

433

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
465	3	466	2,029.18	80.12	0.00	0.00	0.00	3.47
		467	-2,029.18	-80.12	0.00	0.00	0.00	116.83
466	3	467	2,029.20	50.40	0.00	0.00	0.00	-116.83
		468	-2,029.20	-50.40	0.00	0.00	0.00	192.52
467	3	468	2,029.17	30.09	0.00	0.00	0.00	-192.52
		469	-2,029.17	-30.09	0.00	0.00	0.00	237.74
468	3	469	2,029.18	-6.94	0.00	0.00	0.00	-237.74
		451	-2,029.18	6.94	0.00	0.00	0.00	227.39
469	3	451	2,029.18	-26.08	0.00	0.00	0.00	-227.39
		471	-2,029.18	26.08	0.00	0.00	0.00	175.29
470	3	471	2,029.17	-29.67	0.00	0.00	0.00	-175.28
		472	-2,029.17	29.67	0.00	0.00	0.00	115.98
471	3	472	2,029.17	-25.26	0.00	0.00	0.00	-115.98
		473	-2,029.17	25.26	0.00	0.00	0.00	65.46
472	3	473	2,029.17	-17.96	0.00	0.00	0.00	-65.46
		474	-2,029.17	17.96	0.00	0.00	0.00	29.53
473	3	474	2,029.18	-11.34	0.00	0.00	0.00	-29.53
		475	-2,029.18	11.34	0.00	0.00	0.00	6.85
474	3	475	2,029.17	-6.01	0.00	0.00	0.00	-6.85
		476	-2,029.17	6.01	0.00	0.00	0.00	-5.19
475	3	476	2,029.17	-2.34	0.00	0.00	0.00	5.19
		477	-2,029.17	2.34	0.00	0.00	0.00	-9.86
476	3	477	2,029.18	-0.15	0.00	0.00	0.00	9.86
		478	-2,029.18	0.15	0.00	0.00	0.00	-10.16
477	3	478	2,029.17	0.91	0.00	0.00	0.00	10.16
		479	-2,029.17	-0.91	0.00	0.00	0.00	-8.34
478	3	479	2,029.19	1.24	0.00	0.00	0.00	8.34
		480	-2,029.19	-1.24	0.00	0.00	0.00	-5.86
479	3	480	2,029.18	1.15	0.00	0.00	0.00	5.86
		481	-2,029.18	-1.15	0.00	0.00	0.00	-3.56
480	3	481	2,029.18	0.89	0.00	0.00	0.00	3.56
		482	-2,029.18	-0.89	0.00	0.00	0.00	-1.78
481	3	482	2,029.18	0.59	0.00	0.00	0.00	1.78
		483	-2,029.18	-0.59	0.00	0.00	0.00	-0.60
482	3	483	2,029.17	0.34	0.00	0.00	0.00	0.60
		484	-2,029.17	-0.34	0.00	0.00	0.00	0.08
483	3	484	2,029.18	0.15	0.00	0.00	0.00	-0.08
		485	-2,029.18	-0.15	0.00	0.00	0.00	0.38
484	3	485	2,029.18	0.04	0.00	0.00	0.00	-0.38
		486	-2,029.18	-0.04	0.00	0.00	0.00	0.45
485	3	486	2,029.18	-0.03	0.00	0.00	0.00	-0.45
		487	-2,029.18	0.03	0.00	0.00	0.00	0.40
486	3	487	2,029.18	-0.05	0.00	0.00	0.00	-0.40
		488	-2,029.18	0.05	0.00	0.00	0.00	0.30
487	3	488	2,029.18	-0.05	0.00	0.00	0.00	-0.30
		489	-2,029.18	0.05	0.00	0.00	0.00	0.20

434

ob No.:	Designed by :	Checked by :	D a t e :	January 23, 2000

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
488	3	489	2,029.18	-0.04	0.00	0.00	0.00	-0.20
		490	-2,029.18	0.04	0.00	0.00	0.00	0.11
489	3	490	2,029.18	-0.03	0.00	0.00	0.00	-0.11
		491	-2,029.18	0.03	0.00	0.00	0.00	0.04
490	3	491	2,029.18	-0.03	0.00	0.00	0.00	-0.04
		492	-2,029.18	0.03	0.00	0.00	0.00	-0.02
491	3	492	2,029.18	-0.02	0.00	0.00	0.00	0.02
		470	-2,029.18	0.02	0.00	0.00	0.00	-0.06
492	3	470	2,029.18	-0.02	0.00	0.00	0.00	0.06
		493	-2,029.18	0.02	0.00	0.00	0.00	-0.09
494	3	494	-1,583.92	-381.74	0.00	0.00	0.00	-5,395.76
		495	1,583.92	381.74	0.00	0.00	0.00	1,978.70
495	3	495	-1,583.91	-381.74	0.00	0.00	0.00	-1,978.72
		496	1,583.91	381.74	0.00	0.00	0.00	-3,707.23
496	3	496	-1,583.92	-274.80	0.00	0.00	0.00	3,707.13
		498	1,583.92	274.80	0.00	0.00	0.00	-4,116.14
497	3	498	-1,583.92	-106.12	0.00	0.00	0.00	4,116.14
		499	1,583.92	106.12	0.00	0.00	0.00	-4,272.66
498	3	499	-1,583.92	22.03	0.00	0.00	0.00	4,272.71
		500	1,583.92	-22.03	0.00	0.00	0.00	-4,237.39
499	3	500	-1,583.87	115.25	0.00	0.00	0.00	4,237.35
		501	1,583.87	-115.25	0.00	0.00	0.00	-4,062.46
500	3	501	-1,583.90	180.02	0.00	0.00	0.00	4,062.45
		502	1,583.90	-180.02	0.00	0.00	0.00	-3,790.77
501	3	502	-1,583.93	233.34	0.00	0.00	0.00	3,790.81
		503	1,583.93	-233.34	0.00	0.00	0.00	-3,439.60
502	3	503	-1,583.92	313.62	0.00	0.00	0.00	3,439.61
		504	1,583.92	-313.62	0.00	0.00	0.00	-2,968.30
503	3	504	-1,583.91	347.37	0.00	0.00	0.00	2,968.28
		505	1,583.91	-347.37	0.00	0.00	0.00	-2,446.61
504	3	505	-1,583.88	348.92	0.00	0.00	0.00	2,446.60
		506	1,583.88	-348.92	0.00	0.00	0.00	-1,922.82
505	3	506	-1,583.92	323.31	0.00	0.00	0.00	1,922.82
		507	1,583.92	-323.31	0.00	0.00	0.00	-1,437.62
506	3	507	-1,583.91	282.41	0.00	0.00	0.00	1,437.61
		508	1,583.91	-282.41	0.00	0.00	0.00	-1,013.91
507	3	508	-1,583.94	235.12	0.00	0.00	0.00	1,013.91
		509	1,583.94	-235.12	0.00	0.00	0.00	-661.22
508	3	509	-1,583.92	187.73	0.00	0.00	0.00	661.22
		510	1,583.92	-187.73	0.00	0.00	0.00	-379.68
509	3	510	-1,583.90	144.40	0.00	0.00	0.00	379.68
		511	1,583.90	-144.40	0.00	0.00	0.00	-163.18
510	3	511	-1,583.93	107.53	0.00	0.00	0.00	163.17
		512	1,583.93	-107.53	0.00	0.00	0.00	-1.99
511	3	512	-1,583.93	78.16	0.00	0.00	0.00	1.98
		513	1,583.93	-78.16	0.00	0.00	0.00	115.15

435

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
512	3	513	-1,583.91	49.13	0.00	0.00	0.00	-115.15
		514	1,583.91	-49.13	0.00	0.00	0.00	188.75
513	3	514	-1,583.91	29.30	0.00	0.00	0.00	-188.75
		515	1,583.91	-29.30	0.00	0.00	0.00	232.61
514	3	515	-1,583.92	-6.84	0.00	0.00	0.00	-232.61
		497	1,583.92	6.84	0.00	0.00	0.00	222.28
515	3	497	-1,583.92	-25.50	0.00	0.00	0.00	-222.28
		517	1,583.92	25.50	0.00	0.00	0.00	171.22
516	3	517	-1,583.91	-28.99	0.00	0.00	0.00	-171.22
		518	1,583.91	28.99	0.00	0.00	0.00	113.22
517	3	518	-1,583.91	-24.67	0.00	0.00	0.00	-113.22
		519	1,583.91	24.67	0.00	0.00	0.00	63.86
518	3	519	-1,583.92	-17.54	0.00	0.00	0.00	-63.86
		520	1,583.92	17.54	0.00	0.00	0.00	28.78
519	3	520	-1,583.91	-11.07	0.00	0.00	0.00	-28.78
		521	1,583.91	11.07	0.00	0.00	0.00	6.65
520	3	521	-1,583.92	-5.87	0.00	0.00	0.00	-6.65
		522	1,583.92	5.87	0.00	0.00	0.00	-5.08
521	3	522	-1,583.92	-2.28	0.00	0.00	0.00	5.08
		523	1,583.92	2.28	0.00	0.00	0.00	-9.64
522	3	523	-1,583.91	-0.14	0.00	0.00	0.00	9.64
		524	1,583.91	0.14	0.00	0.00	0.00	-9.92
523	3	524	-1,583.91	0.89	0.00	0.00	0.00	9.92
		525	1,583.91	-0.89	0.00	0.00	0.00	-8.14
524	3	525	-1,583.91	1.21	0.00	0.00	0.00	8.14
		526	1,583.91	-1.21	0.00	0.00	0.00	-5.72
525	3	526	-1,583.92	1.12	0.00	0.00	0.00	5.72
		527	1,583.92	-1.12	0.00	0.00	0.00	-3.47
526	3	527	-1,583.91	0.87	0.00	0.00	0.00	3.47
		528	1,583.91	-0.87	0.00	0.00	0.00	-1.74
527	3	528	-1,583.92	0.58	0.00	0.00	0.00	1.74
		529	1,583.92	-0.58	0.00	0.00	0.00	-0.58
528	3	529	-1,583.92	0.33	0.00	0.00	0.00	0.58
		530	1,583.92	-0.33	0.00	0.00	0.00	0.08
529	3	530	-1,583.92	0.15	0.00	0.00	0.00	-0.08
		531	1,583.92	-0.15	0.00	0.00	0.00	0.37
530	3	531	-1,583.92	0.04	0.00	0.00	0.00	-0.37
		532	1,583.92	-0.04	0.00	0.00	0.00	0.44
531	3	532	-1,583.92	-0.03	0.00	0.00	0.00	-0.44
		533	1,583.92	0.03	0.00	0.00	0.00	0.39
532	3	533	-1,583.92	-0.05	0.00	0.00	0.00	-0.39
		534	1,583.92	0.05	0.00	0.00	0.00	0.29
533	3	534	-1,583.92	-0.05	0.00	0.00	0.00	-0.29
		535	1,583.92	0.05	0.00	0.00	0.00	0.19
534	3	535	-1,583.92	-0.04	0.00	0.00	0.00	-0.19
		536	1,583.92	0.04	0.00	0.00	0.00	0.10

436

DUE TO TOP AND BOTTOM PRESTRESS FORCE

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
535	3	536	-1,583.92	-0.03	0.00	0.00	0.00	-0.10
		537	1,583.92	0.03	0.00	0.00	0.00	0.04
536	3	537	-1,583.92	-0.03	0.00	0.00	0.00	-0.04
		538	1,583.92	0.03	0.00	0.00	0.00	-0.02
537	3	538	-1,583.92	-0.02	0.00	0.00	0.00	0.02
		516	1,583.92	0.02	0.00	0.00	0.00	-0.06
538	3	516	-1,583.92	-0.02	0.00	0.00	0.00	0.06
		539	1,583.92	0.02	0.00	0.00	0.00	-0.09

SHRINKAGE LOAD
OF FRAME 5 (WHOLE STRUCTURE)

MOMENT MZ LN= 1

MN/ELEM

STRUCTURE DATA

TYPE = SPACE

NJ =   815
NM =   814
NE =   0
NS =   0
NRJ=   530
NL =   1
XMAX= - 640.0
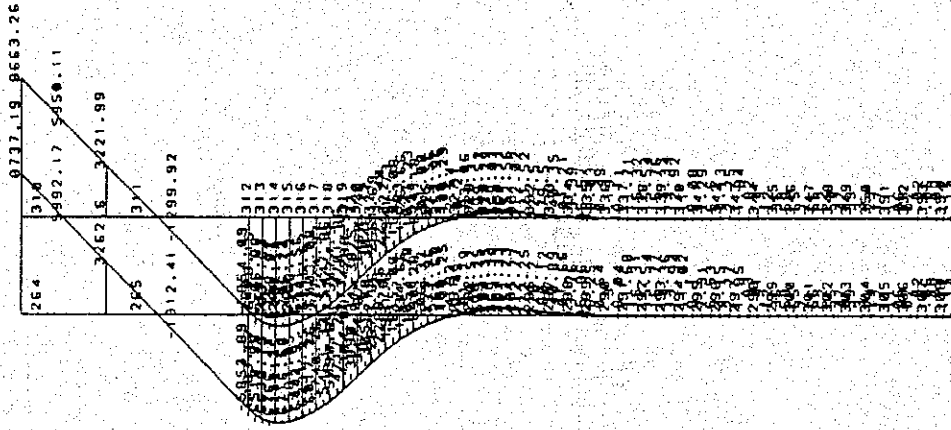YMAX=   127.4
ZMAX=   .0

Maximum=   9199.05
J=815,M=814

S T A A D   P O S T - P L O T   (REV: 22.3)
TITLE: RUPSA BRIDGE IN KHULNA

UNIT MET KNS

DATE: JAN 21, 2000

438

MOMENT MZ LN= 1   MN/ELEM

MP-2 PILES
MD-DIAG

STRUCTURE DATA

TYPE = SPACE

NJ = 815
NM = 814
NE = 0
NS = 0
NRJ= 530
NL = 1
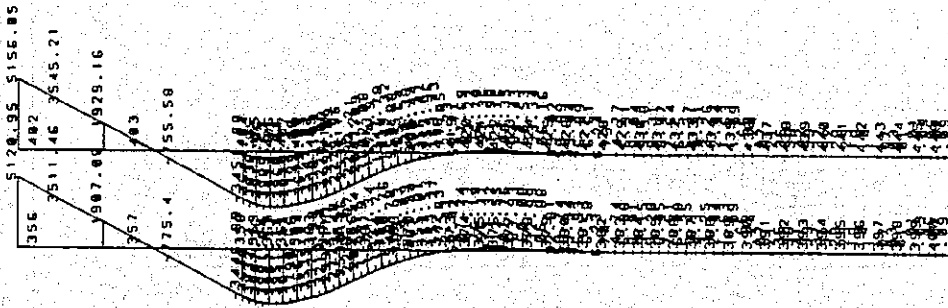XMAX= 640.0
YMAX= 127.4
ZMAX= .0

Maximum= .8737.19
J=815,M=814

S T A A D   P O S T - P L O T   (R E V :   2 2 . 3)

TITLE: RUPSA BRIDGE IN KHULNA

DATE: JAN 23, 2000   UNIT MET KNS

8737.19   8663.26
         5450.11
8092.17
         3321.99

310
         371
3092.17

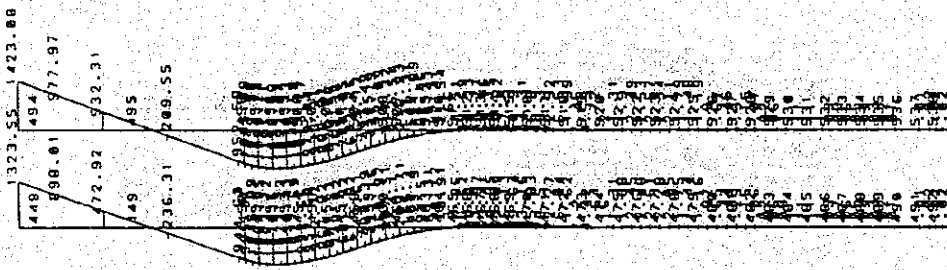264   3262.6   265   312.41   299.92

312
313
315
317

439

MOMENT MZ   MN/ELEM
LN= 1

STRUCTURE DATA

TYPE = SPACE

NJ = 815
NM = 814
NE = 0
NS = 0
NRJ = 530
NL = 1
XMAX= -640.0
YMAX= 127.4
ZMAX= .0

MP-3 PILES
Mo- Diag.

Maximum= 5156.05
J=815,M=814

S T A A D   P O S T - P L O T (REV: 22.3)
TITLE: RUPSA BRIDGE IN KHULNA

UNIT MET KNS
DATE: JAN 23, 2000

440

MOMENT MZ LN= 1

MN/ELEM

STRUCTURE DATA

TYPE = SPACE

NJ = 815
NM = 814
NE = 0
NS = 0
NRJ= 530
NL = 1
XMAX= 640.0
YMAX= 127.4
ZMAX= -.0

Maximum= 1423.00
J=815,M=814

MP-3 Piles
Mo. Diag.

UNIT MET KNS

S T A A D   P O S T - P L O T (REV: 22.3)

TITLE: RUPSA BRIDGE IN KHULNA

DATE: JAN 23, 2000

1323.55   423.88
494   477.97
          932.31
          95
          209.55

98.81
1449
472.92
1449
236.31

STRUCTURE DATA

TYPE = SPACE

NJ =   815
NH =   814
NE =   0
NS =   0
NRJ=   530
NL =   1
XMAX= -640.0
YMAX= 127.4
ZMAX=   .0

Maximum= 9650.80
J=815,M=814

MP-2 COL & COP.

$M_b - DIAG$

7152.97
7249.07
5388.07
7615.05
112.50
2942.56
204
205
206
5576.98
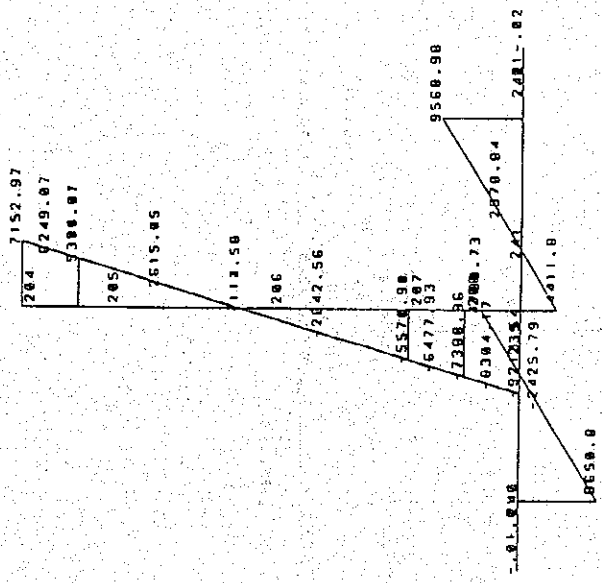6477.93
7388.36
6304.17
9568.98
2870.84
2481-.02
2411.0
2425.79
8650.0

207

442

MOMENT MZ LN= 1   MN/ELEM

STRUCTURE DATA

TYPE = SPACE

NJ = 815

NM = 814

NE = 0

NS = 0

NRJ= 530

NL = 1

XMAX= 640.0

YMAX= 127.4

ZMAX= - .0

216 6771.47

227.40

5680.98

211 3546.23

399.89

212 1747.51

2894.29

213.06

3438.06

3955.22

45 211.4

833.44 1541.89

937.25

5693.46

9860202

2609.06

617 3856.99

82 14402

5656.99
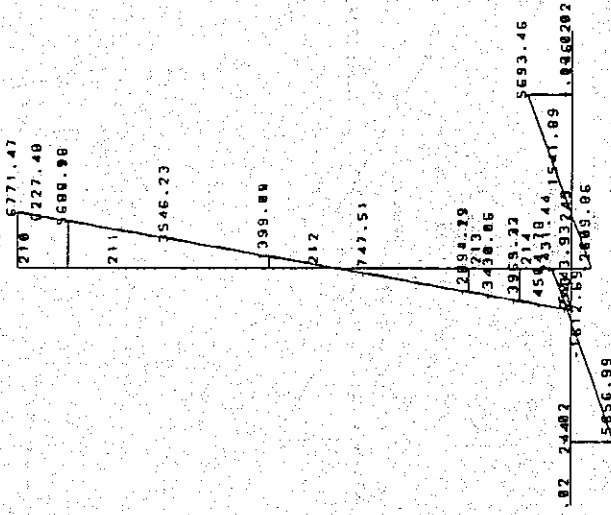
Maximum= 6771.47

J=815,M=814

S T A A D   P O S T - P L O T (REV: 22.3)

TITLE: RUPSA BRIDGE IN KHULNA

MP-3 COL. & COP.

MO-DIAG.

UNIT MET KNS

DATE: JAN 23, 2000

443

MOMENT MZ LN= 1

MN/ELEM

MP-4 COL. & CAP.

Mb ~ DIAG.

1146.86
996.60
952.93
217
26.96
598.68
210
1324.21
2040.89
2133.67
2238.03
240.29
255.13
1849.21
1577.1
1485.35
2440.1
1571.49
250

STRUCTURE DATA

TYPE = SPACE
NJ = 815
NM = 814
NE = 0
NS = 0
NRJ= 530
NL = 1
XMAX= -640.0
YMAX= 127.4
ZMAX= .0

Maximum= 2631.14
J=815,M=814

S T A A D   P O S T - P L O T (REV: 22.3)
TITLE: RUPSA BRIDGE IN KHULNA

UNIT MET KNS

DATE: JAN 23, 2000

444

SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z

LOADING

Load 1   SHRINKAGE LOADS

1 TO 6   197 TO 202   STRAIN   -.000434

7 TO 12   31 TO 36   167 TO 172   191 TO 196   STRAIN   -.00028

13 TO 30   173 TO 190   45 TO 62   141 TO 158   37 TO 44   -
159 TO 166   77 TO 94   109 TO 126   STRAIN   -.00034

63 TO 76   95 TO 100   103 TO 108   127 TO 140   STRAIN   -.00029

101 TO 102   STRAIN -.000216

SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
1	1	1	-2.04	-76.99	0.00	0.00	0.00	0.02
		2	2.04	76.99	0.00	0.00	0.00	-153.96
2	1	2	-2.34	-76.95	0.00	0.00	0.00	153.97
		3	2.34	76.95	0.00	0.00	0.00	-461.92
3	1	3	-2.48	-76.95	0.00	0.00	0.00	461.91
		4	2.48	76.95	0.00	0.00	0.00	-769.85
4	1	4	-2.14	-76.95	0.00	0.00	0.00	769.84
		5	2.14	76.95	0.00	0.00	0.00	-1,077.81
5	1	5	-2.42	-76.96	0.00	0.00	0.00	1,077.78
		6	2.42	76.96	0.00	0.00	0.00	-1,385.75
6	1	6	-2.52	-76.93	0.00	0.00	0.00	1,385.75
		7	2.52	76.93	0.00	0.00	0.00	-1,693.67
7	1	7	-2.29	-76.91	0.00	0.00	0.00	1,693.75
		8	2.29	76.91	0.00	0.00	0.00	-1,963.10
8	1	8	-2.18	-76.95	0.00	0.00	0.00	1,963.17
		9	2.18	76.95	0.00	0.00	0.00	-2,232.56
9	1	9	-2.13	-76.96	0.00	0.00	0.00	2,232.52
		10	2.13	76.96	0.00	0.00	0.00	-2,502.07
10	1	10	-2.18	-76.96	0.00	0.00	0.00	2,502.02
		11	2.18	76.96	0.00	0.00	0.00	-2,771.50
11	1	11	-2.38	-76.93	0.00	0.00	0.00	2,771.47
		12	2.38	76.93	0.00	0.00	0.00	-3,040.94
12	1	12	-2.57	-76.98	0.00	0.00	0.00	3,040.87
		13	2.57	76.98	0.00	0.00	0.00	-3,310.40
13	1	13	2.18	-76.98	0.00	0.00	0.00	3,310.42
		14	-2.18	76.98	0.00	0.00	0.00	-3,541.31
14	1	14	2.05	-76.91	0.00	0.00	0.00	3,541.41
		15	-2.05	76.91	0.00	0.00	0.00	-3,772.23
15	1	15	2.22	-76.95	0.00	0.00	0.00	3,772.38
		16	-2.22	76.95	0.00	0.00	0.00	-4,003.18
16	1	16	2.36	-76.85	0.00	0.00	0.00	4,003.11
		17	-2.36	76.85	0.00	0.00	0.00	-4,234.34
17	1	17	2.42	-76.95	0.00	0.00	0.00	4,234.19
		18	-2.42	76.95	0.00	0.00	0.00	-4,465.14
18	1	18	2.02	-76.93	0.00	0.00	0.00	4,465.18
		19	-2.02	76.93	0.00	0.00	0.00	-4,696.08
19	1	19	1.99	-77.00	0.00	0.00	0.00	4,696.13
		20	-1.99	77.00	0.00	0.00	0.00	-4,927.01
20	1	20	1.93	-76.97	0.00	0.00	0.00	4,927.10
		21	-1.93	76.97	0.00	0.00	0.00	-5,235.01
21	1	21	1.10	-77.07	0.00	0.00	0.00	5,234.93
		22	-1.10	77.07	0.00	0.00	0.00	-5,389.06
22	1	22	-1,223.06	-86.75	0.00	0.00	0.00	-5,897.75
		23	1,223.06	86.75	0.00	0.00	0.00	5,723.74
23	1	23	-1,223.43	-71.83	0.00	0.00	0.00	-5,723.07
		24	1,223.43	71.83	0.00	0.00	0.00	5,434.10

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ob No. :	Designed by :	Checked by :	Date :	January 23, 2000

SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
24	1	24	-1,223.60	-70.84	0.00	0.00	0.00	-5,434.14
		25	1,223.60	70.84	0.00	0.00	0.00	5,220.24
25	1	25	-1,223.61	-69.90	0.00	0.00	0.00	-5,220.16
		26	1,223.61	69.90	0.00	0.00	0.00	5,008.85
26	1	26	-1,223.70	-70.07	0.00	0.00	0.00	-5,008.75
		27	1,223.70	70.07	0.00	0.00	0.00	4,797.36
27	1	27	-1,223.43	-70.01	0.00	0.00	0.00	-4,797.43
		28	1,223.43	70.01	0.00	0.00	0.00	4,585.98
28	1	28	-1,223.58	-70.47	0.00	0.00	0.00	-4,585.93
		29	1,223.58	70.47	0.00	0.00	0.00	4,373.26
29	1	29	-1,223.29	-70.98	0.00	0.00	0.00	-4,373.48
		30	1,223.29	70.98	0.00	0.00	0.00	4,159.74
30	1	30	-1,223.48	-71.57	0.00	0.00	0.00	-4,159.56
		31	1,223.48	71.57	0.00	0.00	0.00	3,943.90
31	1	31	-1,217.68	-139.02	0.00	0.00	0.00	-3,943.73
		32	1,217.68	139.02	0.00	0.00	0.00	3,456.94
32	1	32	-1,217.47	-139.00	0.00	0.00	0.00	-3,456.91
		33	1,217.47	139.00	0.00	0.00	0.00	2,970.31
33	1	33	-1,217.67	-139.03	0.00	0.00	0.00	-2,970.30
		34	1,217.67	139.03	0.00	0.00	0.00	2,483.64
34	1	34	-1,217.81	-138.99	0.00	0.00	0.00	-2,483.62
		35	1,217.81	138.99	0.00	0.00	0.00	1,997.35
35	1	35	-1,217.59	-139.02	0.00	0.00	0.00	-1,997.32
		36	1,217.59	139.02	0.00	0.00	0.00	1,510.88
36	1	36	-1,217.72	-139.02	0.00	0.00	0.00	-1,510.90
		37	1,217.72	139.02	0.00	0.00	0.00	1,024.57
37	1	37	-1,217.44	-139.02	0.00	0.00	0.00	-1,024.64
		38	1,217.44	139.02	0.00	0.00	0.00	746.64
38	1	38	-1,217.11	-138.95	0.00	0.00	0.00	-746.61
		39	1,217.11	138.95	0.00	0.00	0.00	468.85
39	1	39	-1,217.65	-139.02	0.00	0.00	0.00	-468.89
		40	1,217.65	139.02	0.00	0.00	0.00	-17.47
40	1	40	-1,217.57	-138.99	0.00	0.00	0.00	17.44
		41	1,217.57	138.99	0.00	0.00	0.00	-503.68
41	1	41	-1,217.76	-138.98	0.00	0.00	0.00	503.72
		42	1,217.76	138.98	0.00	0.00	0.00	-989.96
42	1	42	-1,217.53	-139.01	0.00	0.00	0.00	989.95
		43	1,217.53	139.01	0.00	0.00	0.00	-1,476.29
43	1	43	-1,217.31	-139.02	0.00	0.00	0.00	1,476.25
		44	1,217.31	139.02	0.00	0.00	0.00	-1,962.66
44	1	44	-1,217.44	-139.02	0.00	0.00	0.00	1,962.63
		45	1,217.44	139.02	0.00	0.00	0.00	-2,449.11
45	1	45	-1,208.43	-206.13	0.00	0.00	0.00	2,449.09
		46	1,208.43	206.13	0.00	0.00	0.00	-3,067.48
46	1	46	-1,208.07	-206.92	0.00	0.00	0.00	3,067.49
		47	1,208.07	206.92	0.00	0.00	0.00	-3,688.30

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ob No. :	Designed by :	Checked by :	Date :	January 23, 2000

SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
47	1	47	-1,207.74	-207.31	0.00	0.00	0.00	3,688.33
		48	1,207.74	207.31	0.00	0.00	0.00	-4,310.46
48	1	48	-1,207.63	-207.71	0.00	0.00	0.00	4,310.50
		49	1,207.63	207.71	0.00	0.00	0.00	-4,933.81
49	1	49	-1,207.82	-207.68	0.00	0.00	0.00	4,933.86
		50	1,207.82	207.68	0.00	0.00	0.00	-5,557.25
50	1	50	-1,207.80	-207.71	0.00	0.00	0.00	5,557.28
		51	1,207.80	207.71	0.00	0.00	0.00	-6,180.78
51	1	51	-1,207.67	-206.84	0.00	0.00	0.00	6,180.92
		52	1,207.67	206.84	0.00	0.00	0.00	-6,801.79
52	1	52	-1,208.30	-206.02	0.00	0.00	0.00	6,801.95
		53	1,208.30	206.02	0.00	0.00	0.00	-7,626.46
53	1	53	-1,210.61	-190.59	0.00	0.00	0.00	7,626.54
		54	1,210.61	190.59	0.00	0.00	0.00	-8,007.85
54	1	54	-1,933.37	9.86	0.00	0.00	0.00	-1,191.62
		55	1,933.37	-9.86	0.00	0.00	0.00	1,211.40
55	1	55	-1,932.47	34.15	0.00	0.00	0.00	-1,210.91
		56	1,932.47	-34.15	0.00	0.00	0.00	1,347.68
56	1	56	-1,932.74	35.65	0.00	0.00	0.00	-1,347.49
		57	1,932.74	-35.65	0.00	0.00	0.00	1,454.45
57	1	57	-1,932.49	36.87	0.00	0.00	0.00	-1,454.41
		58	1,932.49	-36.87	0.00	0.00	0.00	1,564.89
58	1	58	-1,932.45	36.86	0.00	0.00	0.00	-1,565.09
		59	1,932.45	-36.86	0.00	0.00	0.00	1,675.72
59	1	59	-1,932.45	36.85	0.00	0.00	0.00	-1,675.68
		60	1,932.45	-36.85	0.00	0.00	0.00	1,786.46
60	1	60	-1,932.82	36.27	0.00	0.00	0.00	-1,786.34
		61	1,932.82	-36.27	0.00	0.00	0.00	1,895.27
61	1	61	-1,932.61	35.62	0.00	0.00	0.00	-1,895.22
		62	1,932.61	-35.62	0.00	0.00	0.00	2,002.23
62	1	62	-1,932.60	34.36	0.00	0.00	0.00	-2,002.16
		63	1,932.60	-34.36	0.00	0.00	0.00	2,105.35
63	1	63	-1,931.51	-72.25	0.00	0.00	0.00	-2,105.35
		64	1,931.51	72.25	0.00	0.00	0.00	1,852.30
64	1	64	-1,931.75	-72.21	0.00	0.00	0.00	-1,852.26
		65	1,931.75	72.21	0.00	0.00	0.00	1,599.39
65	1	65	-1,931.52	-72.26	0.00	0.00	0.00	-1,599.36
		66	1,931.52	72.26	0.00	0.00	0.00	1,346.54
66	1	66	-1,931.51	-72.26	0.00	0.00	0.00	-1,346.52
		67	1,931.51	72.26	0.00	0.00	0.00	1,093.78
67	1	67	-1,931.56	-72.22	0.00	0.00	0.00	-1,093.73
		68	1,931.56	72.22	0.00	0.00	0.00	841.12
68	1	68	-1,931.71	-72.24	0.00	0.00	0.00	-841.07
		69	1,931.71	72.24	0.00	0.00	0.00	588.47
69	1	69	-1,931.49	-72.21	0.00	0.00	0.00	-588.39
		70	1,931.49	72.21	0.00	0.00	0.00	444.15

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ob No. :	Designed by :	Checked by :	Date :	January 23, 2000

SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
70	1	70	-1,931.47	-72.40	0.00	0.00	0.00	-444.27
		71	1,931.47	72.40	0.00	0.00	0.00	299.64
71	1	71	-1,931.60	-72.24	0.00	0.00	0.00	-299.75
		72	1,931.60	72.24	0.00	0.00	0.00	47.20
72	1	72	-1,931.64	-72.26	0.00	0.00	0.00	-47.20
		73	1,931.64	72.26	0.00	0.00	0.00	-205.41
73	1	73	-1,931.68	-72.25	0.00	0.00	0.00	205.38
		74	1,931.68	72.25	0.00	0.00	0.00	-457.99
74	1	74	-1,931.51	-72.25	0.00	0.00	0.00	457.98
		75	1,931.51	72.25	0.00	0.00	0.00	-710.60
75	1	75	-1,931.60	-72.25	0.00	0.00	0.00	710.60
		76	1,931.60	72.25	0.00	0.00	0.00	-963.26
76	1	76	-1,931.65	-72.25	0.00	0.00	0.00	963.27
		77	1,931.65	72.25	0.00	0.00	0.00	-1,215.98
77	1	77	-1,924.70	-178.94	0.00	0.00	0.00	1,215.98
		78	1,924.70	178.94	0.00	0.00	0.00	-1,752.80
78	1	78	-1,924.46	-180.22	0.00	0.00	0.00	1,752.79
		79	1,924.46	180.22	0.00	0.00	0.00	-2,293.53
79	1	79	-1,924.63	-180.88	0.00	0.00	0.00	2,293.52
		80	1,924.63	180.88	0.00	0.00	0.00	-2,836.27
80	1	80	-1,924.32	-181.50	0.00	0.00	0.00	2,836.26
		81	1,924.32	181.50	0.00	0.00	0.00	-3,380.95
81	1	81	-1,924.37	-181.50	0.00	0.00	0.00	3,380.99
		82	1,924.37	181.50	0.00	0.00	0.00	-3,925.67
82	1	82	-1,924.39	-181.51	0.00	0.00	0.00	3,925.71
		83	1,924.39	181.51	0.00	0.00	0.00	-4,470.52
83	1	83	-1,924.51	-180.22	0.00	0.00	0.00	4,470.48
		84	1,924.51	180.22	0.00	0.00	0.00	-5,011.56
84	1	84	-1,924.68	-178.77	0.00	0.00	0.00	5,011.52
		85	1,924.68	178.77	0.00	0.00	0.00	-5,727.14
85	1	85	-1,926.87	-154.25	0.00	0.00	0.00	5,727.13
		86	1,926.87	154.25	0.00	0.00	0.00	-6,035.84
86	1	86	-2,116.47	153.36	0.00	0.00	0.00	4,235.37
		87	2,116.47	-153.36	0.00	0.00	0.00	-3,927.71
87	1	87	-2,114.36	180.25	0.00	0.00	0.00	3,927.82
		88	2,114.36	-180.25	0.00	0.00	0.00	-3,204.61
88	1	88	-2,114.23	181.86	0.00	0.00	0.00	3,204.70
		89	2,114.23	-181.86	0.00	0.00	0.00	-2,657.47
89	1	89	-2,114.15	183.24	0.00	0.00	0.00	2,657.63
		90	2,114.15	-183.24	0.00	0.00	0.00	-2,106.25
90	1	90	-2,114.09	183.15	0.00	0.00	0.00	2,106.26
		91	2,114.09	-183.15	0.00	0.00	0.00	-1,555.09
91	1	91	-2,114.10	183.23	0.00	0.00	0.00	1,555.08
		92	2,114.10	-183.23	0.00	0.00	0.00	-1,003.74
92	1	92	-2,114.18	182.49	0.00	0.00	0.00	1,003.79
		93	2,114.18	-182.49	0.00	0.00	0.00	-454.79

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