

**P/S LOAD AT CLOSURE SPAN 4  
OF FRAME 5 (WHOLE STRUCTURE)**

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

Job No :                      Designed by :                      Checked by :                      Date :                      January 23, 2000

**CLOSURE PRESTRESS LOAD AT SPAN 4**

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

**LOAD 1: PRESTRESS FORCE AT CLOSURE SPAN 4**

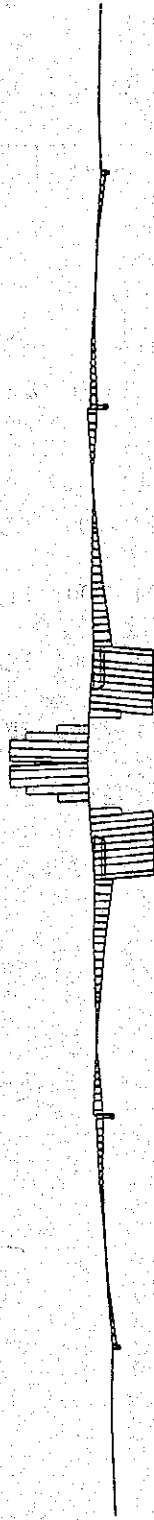
**PRESTRESS LOAD**

95	108	FORCE	10868	ES	-2.005	EM	-2.005	EE	-2.005
96	107	FORCE	21736	ES	-2.005	EM	-2.005	EE	-2.005
97	106	FORCE	32604	ES	-2.005	EM	-2.005	EE	-2.005
98	105	FORCE	43472	ES	-2.005	EM	-2.005	EE	-2.005
99	104	FORCE	48906	ES	-2.005	EM	-2.005	EE	-2.005

MN/ELEM  
MOMENT MZ LNE= 1

STRUCTURE DATA

TYPE = SPACE  
 NJ = 015  
 NH = 014  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 1  
 XMAX = 640.0  
 YMAX = 127.4  
 ZMAX = .0



SUPERSTRUCTURE  
M<sub>0</sub> Diagram

Maximum= 54796.71  
J=815, H=014

UNIT: MET KNS

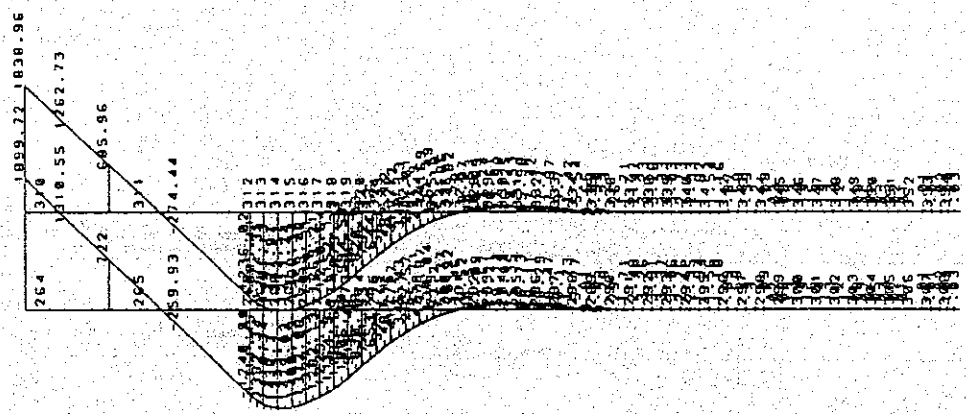
DATE: JAN 22, 2000

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

TITLE: RUPSA BRIDGE IN KHULNA

MN/ELEM  
MOMENT MZ LNE 1

STRUCTURE DATA  
 TYPE = SPACE  
 NJ = 015  
 NM = 814  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 1  
 XMAX = 640.0  
 YMAX = 127.4  
 ZMAX = .0



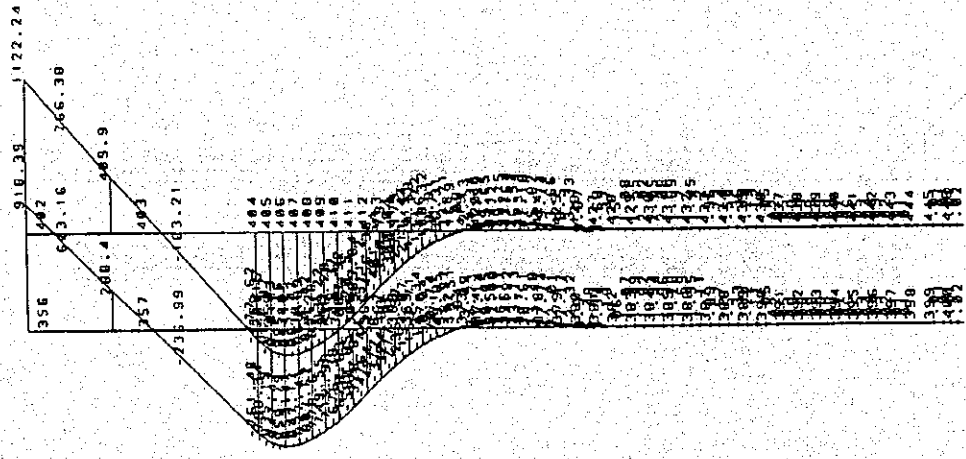
Maximum = 1899.72  
 J=815, M=814

MP-2  
 PILE MOMENT DIAGRAM

UNIT MET KNS

STAAD.PLOT - PLOT (REV: 22.3) DATE: JAN 23, 2000  
 TITLE: RUPSA BRIDGE IN KHULNA

MN/ELEM  
MOMENT MZ LNE 1

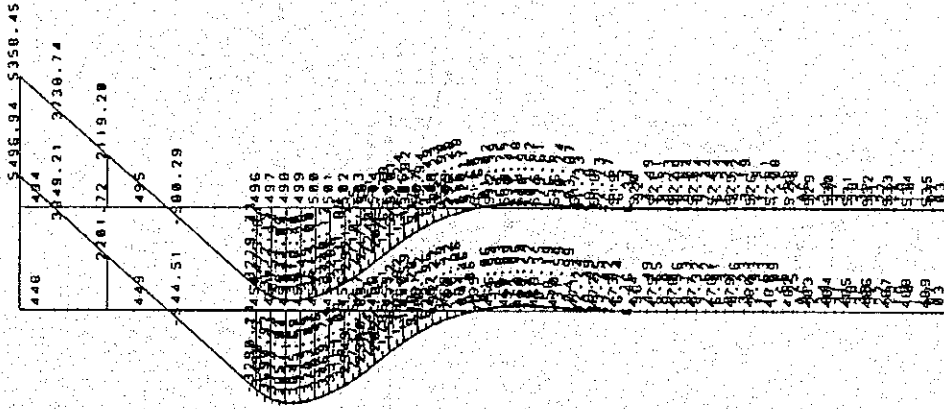


Maximum = 1122.24  
J=815, M=814

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

UNIT MET KNS  
 DATE: JAN 23, 2000  
 STA A D POST - PLOT (REV: 22.3)  
 TITLE: RUPSA BRIDGE IN KHULNA

MN/ELEM  
MOMENT MZ LN= 1



MP-a  
PILE Mo Diagram

UNIT MET KNS

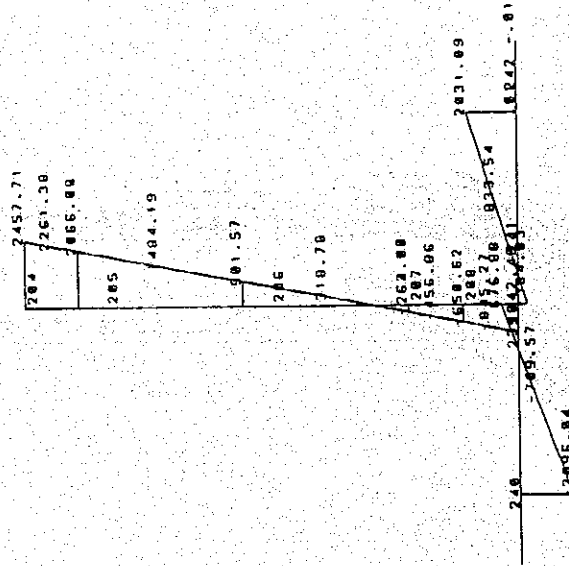
Maximum= 5496.94  
J=815, M=814

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

STAAD POST - PLOT (REV: 22.3) DATE: JAN 23, 2000  
TITLE: RUPSA BRIDGE IN KHULNA

MN/ELEM  
MOMENT MZ LNE 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



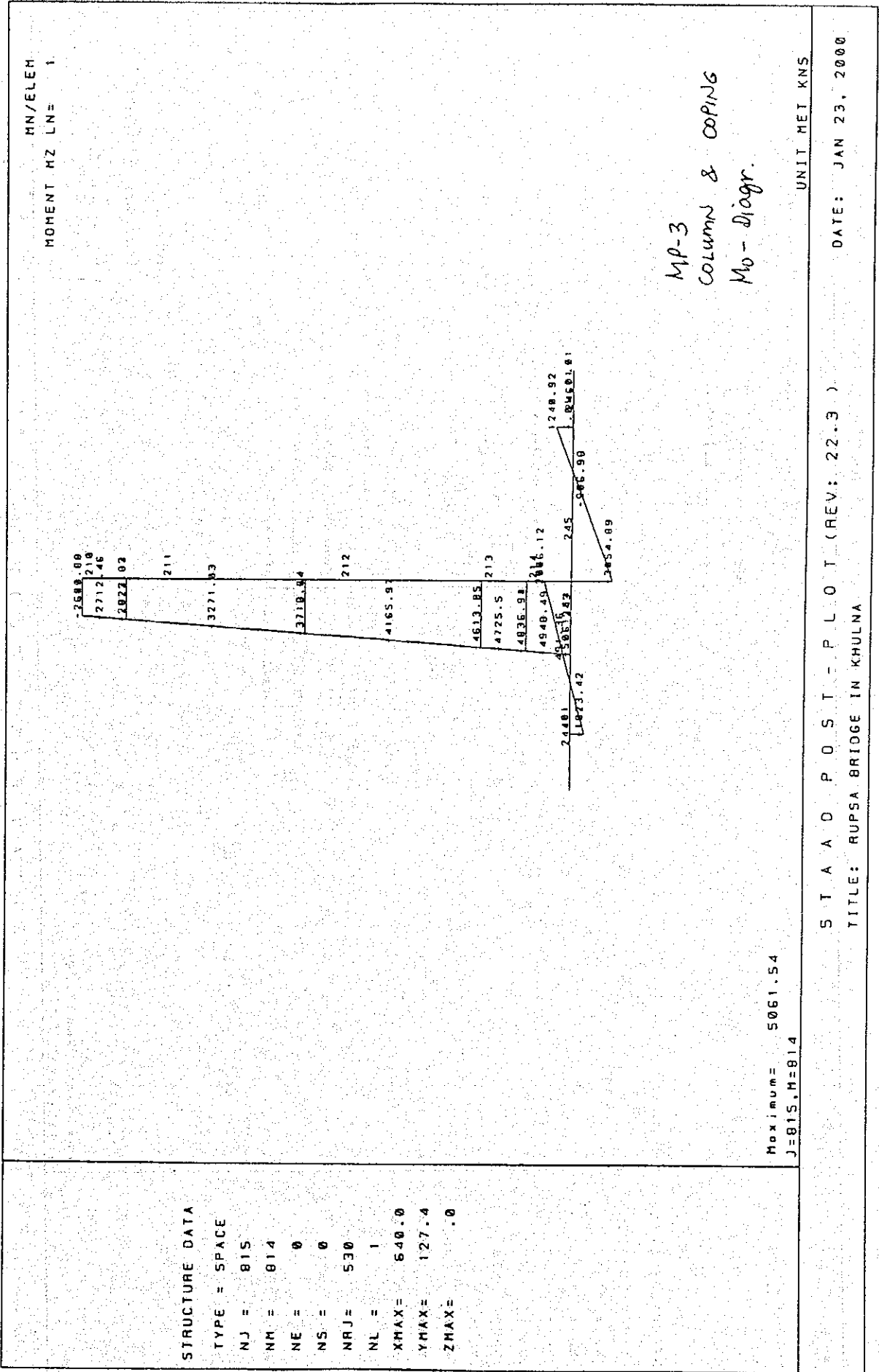
MP-2  
 COPING & COLUMN  
 MO- Diagram  
 UNIT MET KNS

Maximum= 2457.71  
 J=815, M=814

DATE: JAN 23, 2000

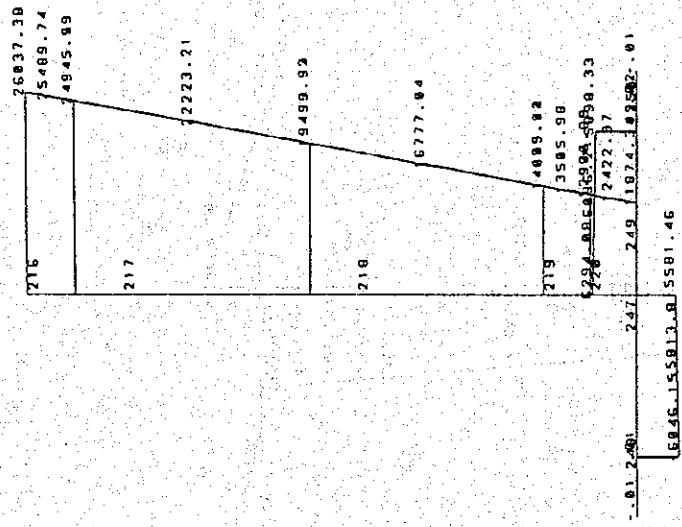
S T A A D P O S T - P L O T (REV: 22.3)

TITLE: RUPSA BRIDGE IN KHULNA





MN/ELEM  
MOMENT HZ LNE= 1



MP-d  
COLUMN & COPING  
M<sub>0</sub> - Diagr.

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 = 26037.30  
 J=815, M=814

UNIT MET KNS

S T A A D P O S T - P L O T (REV: 22.3 )  
 DATE: JAN 23, 2000  
 TITLE: RUPSA BRIDGE IN KHULNA

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

Job No : \_\_\_\_\_ Designed by : \_\_\_\_\_ Checked by : \_\_\_\_\_ Date : January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
1	1	1	-0.17	-5.92	0	0	0	0
		2	0.17	5.92	0	0	0	-11.83
2	1	2	-0.18	-5.91	0	0	0	11.83
		3	0.18	5.91	0	0	0	-35.5
3	1	3	-0.18	-5.91	0	0	0	35.5
		4	0.18	5.91	0	0	0	-59.17
4	1	4	-0.13	-5.91	0	0	0	59.17
		5	0.13	5.91	0	0	0	-82.84
5	1	5	-0.2	-5.91	0	0	0	82.84
		6	0.2	5.91	0	0	0	-106.5
6	1	6	-0.19	-5.91	0	0	0	106.5
		7	0.19	5.91	0	0	0	-130.17
7	1	7	-0.2	-5.91	0	0	0	130.17
		8	0.2	5.91	0	0	0	-150.88
8	1	8	-0.21	-5.92	0	0	0	150.88
		9	0.21	5.92	0	0	0	-171.59
9	1	9	-0.18	-5.91	0	0	0	171.59
		10	0.18	5.91	0	0	0	-192.29
10	1	10	-0.18	-5.92	0	0	0	192.29
		11	0.18	5.92	0	0	0	-213.01
11	1	11	-0.16	-5.92	0	0	0	213
		12	0.16	5.92	0	0	0	-233.72
12	1	12	-0.21	-5.91	0	0	0	233.72
		13	0.21	5.91	0	0	0	-254.42
13	1	13	0.15	-5.91	0	0	0	254.43
		14	-0.15	5.91	0	0	0	-272.17
14	1	14	0.17	-5.91	0	0	0	272.19
		15	-0.17	5.91	0	0	0	-289.91
15	1	15	0.14	-5.91	0	0	0	289.93
		16	-0.14	5.91	0	0	0	-307.68
16	1	16	0.16	-5.92	0	0	0	307.67
		17	-0.16	5.92	0	0	0	-325.43
17	1	17	0.13	-5.91	0	0	0	325.42
		18	-0.13	5.91	0	0	0	-343.17
18	1	18	0.13	-5.92	0	0	0	343.17
		19	-0.13	5.92	0	0	0	-360.91
19	1	19	0.2	-5.92	0	0	0	360.91
		20	-0.2	5.92	0	0	0	-378.68
20	1	20	0.17	-5.91	0	0	0	378.69
		21	-0.17	5.91	0	0	0	-402.34
21	1	21	0.02	-5.93	0	0	0	402.32
		22	-0.02	5.93	0	0	0	-414.2
22	1	22	-264.39	-66.56	0	0	0	-2921.61
		23	264.39	66.56	0	0	0	2788.07
23	1	23	-265.3	-63.14	0	0	0	-2788.22
		24	265.3	63.14	0	0	0	2534.73

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

Job No :

Designed by :

Checked by :

Date :

January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
24	1	24	-265.38	-62.94	0	0	0	-2534.76
		25	265.38	62.94	0	0	0	2345.21
25	1	25	-265.3	-62.78	0	0	0	-2345.28
		26	265.3	62.78	0	0	0	2156.17
26	1	26	-265.4	-62.77	0	0	0	-2156.21
		27	265.4	62.77	0	0	0	1967.22
27	1	27	-265.47	-62.73	0	0	0	-1967.19
		28	265.47	62.73	0	0	0	1778.26
28	1	28	-265.37	-62.86	0	0	0	-1778.22
		29	265.37	62.86	0	0	0	1588.96
29	1	29	-265.38	-62.93	0	0	0	-1588.95
		30	265.38	62.93	0	0	0	1399.48
30	1	30	-265.32	-63.11	0	0	0	-1399.45
		31	265.32	63.11	0	0	0	1209.46
31	1	31	-261.44	-77.64	0	0	0	-1209.44
		32	261.44	77.64	0	0	0	937.61
32	1	32	-261.45	-77.65	0	0	0	-937.62
		33	261.45	77.65	0	0	0	665.78
33	1	33	-261.45	-77.65	0	0	0	-665.79
		34	261.45	77.65	0	0	0	393.97
34	1	34	-261.4	-77.65	0	0	0	-393.97
		35	261.4	77.65	0	0	0	122.14
35	1	35	-261.46	-77.64	0	0	0	-122.16
		36	261.46	77.64	0	0	0	-149.67
36	1	36	-261.41	-77.65	0	0	0	149.65
		37	261.41	77.65	0	0	0	-421.5
37	1	37	-261.39	-77.66	0	0	0	421.47
		38	261.39	77.66	0	0	0	-576.85
38	1	38	-261.43	-77.64	0	0	0	576.75
		39	261.43	77.64	0	0	0	-732.15
39	1	39	-261.37	-77.64	0	0	0	732.14
		40	261.37	77.64	0	0	0	-1003.97
40	1	40	-261.48	-77.62	0	0	0	1004
		41	261.48	77.62	0	0	0	-1275.76
41	1	41	-261.35	-77.65	0	0	0	1275.81
		42	261.35	77.65	0	0	0	-1547.61
42	1	42	-261.41	-77.68	0	0	0	1547.58
		43	261.41	77.68	0	0	0	-1819.55
43	1	43	-261.46	-77.63	0	0	0	1819.51
		44	261.46	77.63	0	0	0	-2091.36
44	1	44	-261.46	-77.65	0	0	0	2091.37
		45	261.46	77.65	0	0	0	-2363.24
45	1	45	-256.71	-91.96	0	0	0	2363.21
		46	256.71	91.96	0	0	0	-2639.36
46	1	46	-256.7	-92.26	0	0	0	2639.19
		47	256.7	92.26	0	0	0	-2916.06

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

Job No : \_\_\_\_\_ Designed by : \_\_\_\_\_ Checked by : \_\_\_\_\_ Date : January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
47	1	47	-256.67	-92.31	0	0	0	2915.82
		48	256.67	92.31	0	0	0	-3192.75
48	1	48	-256.59	-92.3	0	0	0	3192.63
		49	256.59	92.3	0	0	0	-3469.99
49	1	49	-256.54	-92.28	0	0	0	3469.98
		50	256.54	92.28	0	0	0	-3746.88
50	1	50	-256.54	-92.26	0	0	0	3747.03
		51	256.54	92.26	0	0	0	-4024.06
51	1	51	-256.73	-92.15	0	0	0	4024.07
		52	256.73	92.15	0	0	0	-4300.74
52	1	52	-256.73	-91.96	0	0	0	4300.71
		53	256.73	91.96	0	0	0	-4668.82
53	1	53	-257.91	-88.66	0	0	0	4668.8
		54	257.91	88.66	0	0	0	-4846.21
54	1	54	-394.03	210.34	0	0	0	6939.08
		55	394.03	-210.34	0	0	0	-6517.44
55	1	55	-391.21	215.13	0	0	0	6517.6
		56	391.21	-215.13	0	0	0	-5654.14
56	1	56	-391.08	215.49	0	0	0	5654.06
		57	391.08	-215.49	0	0	0	-5005.57
57	1	57	-391.01	215.74	0	0	0	5005.65
		58	391.01	-215.74	0	0	0	-4356.05
58	1	58	-390.92	215.74	0	0	0	4356.08
		59	390.92	-215.74	0	0	0	-3706.84
59	1	59	-390.99	215.84	0	0	0	3706.98
		60	390.99	-215.84	0	0	0	-3057.32
60	1	60	-391.08	215.6	0	0	0	3057.5
		61	391.08	-215.6	0	0	0	-2408.59
61	1	61	-391.05	215.48	0	0	0	2408.6
		62	391.05	-215.48	0	0	0	-1759.92
62	1	62	-391.13	215.04	0	0	0	1759.87
		63	391.13	-215.04	0	0	0	-1112.53
63	1	63	-402.53	193.31	0	0	0	1112.38
		64	402.53	-193.31	0	0	0	-435.8
64	1	64	-402.47	193.32	0	0	0	435.86
		65	402.47	-193.32	0	0	0	240.83
65	1	65	-402.49	193.24	0	0	0	-240.71
		66	402.49	-193.24	0	0	0	917.25
66	1	66	-402.53	193.46	0	0	0	-916.97
		67	402.53	-193.46	0	0	0	1594.21
67	1	67	-402.47	193.11	0	0	0	-1594.08
		68	402.47	-193.11	0	0	0	2270.23
68	1	68	-402.52	193.36	0	0	0	-2270.3
		69	402.52	-193.36	0	0	0	2947.17
69	1	69	-402.52	193.1	0	0	0	-2946.87
		70	402.52	-193.1	0	0	0	3333.64

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

Job No:                      Designed by:                      Checked by:                      Date:                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
70	1	70	-402.45	192.96	0	0	0	-3333.18
		71	402.45	-192.96	0	0	0	3720.63
71	1	71	-402.51	193.21	0	0	0	-3720.59
		72	402.51	-193.21	0	0	0	4396.83
72	1	72	-402.52	193.11	0	0	0	-4397.4
		73	402.52	-193.11	0	0	0	5073.69
73	1	73	-402.48	193.46	0	0	0	-5073.59
		74	402.48	-193.46	0	0	0	5750.96
74	1	74	-402.48	193.2	0	0	0	-5751.11
		75	402.48	-193.2	0	0	0	6427.3
75	1	75	-402.5	193.27	0	0	0	-6427.61
		76	402.5	-193.27	0	0	0	7104.63
76	1	76	-402.53	193.4	0	0	0	-7104.41
		77	402.53	-193.4	0	0	0	7781.84
77	1	77	-412.61	170.84	0	0	0	-7781.59
		78	412.61	-170.84	0	0	0	8294.3
78	1	78	-412.65	170.45	0	0	0	-8294.45
		79	412.65	-170.45	0	0	0	8806.09
79	1	79	-412.75	169.98	0	0	0	-8806.68
		80	412.75	-169.98	0	0	0	9317.47
80	1	80	-412.8	170.19	0	0	0	-9317.28
		81	412.8	-170.19	0	0	0	9829.33
81	1	81	-412.71	170.16	0	0	0	-9828.54
		82	412.71	-170.16	0	0	0	10340.89
82	1	82	-412.74	170.1	0	0	0	-10339.77
		83	412.74	-170.1	0	0	0	10851.82
83	1	83	-412.66	170.54	0	0	0	-10851.51
		84	412.66	-170.54	0	0	0	11363.35
84	1	84	-412.57	170.85	0	0	0	-11363.46
		85	412.57	-170.85	0	0	0	12047.67
85	1	85	-410.39	175.86	0	0	0	-12047.96
		86	410.39	-175.86	0	0	0	12399.81
86	1	86	-1131.31	81.9	0	0	0	-40904.25
		87	1131.31	-81.9	0	0	0	41069.72
87	1	87	-1130.04	96.34	0	0	0	-41069.88
		88	1130.04	-96.34	0	0	0	41458.85
88	1	88	-1130.05	97.21	0	0	0	-41459.15
		89	1130.05	-97.21	0	0	0	41753.56
89	1	89	-1130.02	97.85	0	0	0	-41753.18
		90	1130.02	-97.85	0	0	0	42051.29
90	1	90	-1129.98	97.84	0	0	0	-42051.39
		91	1129.98	-97.84	0	0	0	42348.13
91	1	91	-1130.05	97.88	0	0	0	-42348.82
		92	1130.05	-97.88	0	0	0	42646.08
92	1	92	-1130.12	97.29	0	0	0	-42647.2
		93	1130.12	-97.29	0	0	0	42942.59

P4

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

Job No: \_\_\_\_\_ Designed by: \_\_\_\_\_ Checked by: \_\_\_\_\_ Date: January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
93	1	93	-1130.07	96.64	0	0	0	-42944.41
		94	1130.07	-96.64	0	0	0	43239.62
94	1	94	-1129.96	96.97	0	0	0	-43239.7
		95	1129.96	-96.97	0	0	0	43536.53
95	1	95	9734.31	33.79	0	0	0	-21746.29
		96	-9734.31	-33.79	0	0	0	21805.2
96	1	96	20602.32	34.46	0	0	0	-14.04
		97	-20602.32	-34.46	0	0	0	4.13
97	1	97	31470.28	33.31	0	0	0	21786.97
		98	-31470.28	-33.31	0	0	0	-21859.98
98	1	98	42338.34	34.36	0	0	0	43650.24
		99	-42338.34	-34.36	0	0	0	-43742.99
99	1	99	47772.3	34.28	0	0	0	54639.63
		100	-47772.3	-34.28	0	0	0	-54687.24
100	1	100	47772.29	33.25	0	0	0	54686.28
		101	-47772.29	-33.25	0	0	0	-54655.6
101	1	101	47772.1	32.58	0	0	0	54656.36
		102	-47772.1	-32.58	0	0	0	-54600.99
204	1	204	-79.53	261.77	0	0	0	2457.71
		205	79.53	-261.77	0	0	0	-2065.42
205	1	205	-79.53	258.87	0	0	0	2066.66
		206	79.53	-258.87	0	0	0	-901.57
206	1	206	-79.53	258.99	0	0	0	901.5
		207	79.53	-258.99	0	0	0	264.08
207	1	207	-79.53	257.76	0	0	0	-263.54
		208	79.53	-257.76	0	0	0	652.62
210	1	210	266.59	148.78	0	0	0	-2600.88
		211	-266.59	-148.78	0	0	0	2822.83
211	1	211	266.59	149.14	0	0	0	-2823.62
		212	-266.59	-149.14	0	0	0	3718.64
212	1	212	266.59	149.09	0	0	0	-3718.7
		213	-266.59	-149.09	0	0	0	4613.5
213	1	213	266.6	148.86	0	0	0	-4613.85
		214	-266.6	-148.86	0	0	0	4836.91
216	1	216	-181.12	730.19	0	0	0	26037.38
		217	181.12	-730.19	0	0	0	-24945.2
217	1	217	-181.15	726.07	0	0	0	24945.99
		218	181.15	-726.07	0	0	0	-19499.92
218	1	218	-181.14	726.11	0	0	0	19499.93
		219	181.14	-726.11	0	0	0	-14053.94
219	1	219	-181.14	719.26	0	0	0	14045.42
		220	181.14	-719.26	0	0	0	-12970.65
239	1	209	-130.94	583.77	0	0	0	676.88
		240	130.94	-583.77	0	0	0	2096.04
240	1	240	-0.1	0	0	0	0	0
		241	0.1	0	0	0	0	0

*0.525*

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

Job No :                      Designed by :                      Checked by :                      Date :                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
241	1	209	128.07	-504.24	0	0	0	-364.03
		242	-128.07	504.24	0	0	0	-2031.09
242	1	242	0.08	0.01	0	0	0	0.01
		243	-0.08	-0.01	0	0	0	0.01
243	1	215	-70.04	637.79	0	0	0	2006.12
		244	70.04	-637.79	0	0	0	1023.42
244	1	244	-0.05	-0.01	0	0	0	-0.01
		245	0.05	0.01	0	0	0	0
245	1	215	79.09	-904.38	0	0	0	-3054.89
		246	-79.09	904.38	0	0	0	-1240.92
246	1	246	-0.03	0	0	0	0	-0.01
		247	0.03	0	0	0	0	-0.01
247	1	221	-366.18	97.83	0	0	0	-5581.46
		248	366.18	-97.83	0	0	0	6046.15
248	1	248	-0.12	0.01	0	0	0	0.01
		249	0.12	-0.01	0	0	0	0.01
249	1	221	360	83.31	0	0	0	6294.08
		250	-360	-83.31	0	0	0	-5898.33
250	1	250	0.07	0.03	0	0	0	0.05
		251	-0.07	-0.03	0	0	0	0.01
264	1	264	-583.77	130.92	0	0	0	1899.72
		265	583.77	-130.92	0	0	0	-722
265	1	265	-583.77	130.92	0	0	0	722
		266	583.77	-130.92	0	0	0	1240.51
266	1	266	-583.77	94.61	0	0	0	-1240.49
		267	583.77	-94.61	0	0	0	1382.34
267	1	267	-583.77	37.4	0	0	0	-1382.3
		268	583.77	-37.4	0	0	0	1438.3
268	1	268	-583.77	-6.13	0	0	0	-1438.3
		269	583.77	6.13	0	0	0	1429.03
269	1	269	-583.77	-37.91	0	0	0	-1429.02
		270	583.77	37.91	0	0	0	1372.09
270	1	270	-583.77	-59.93	0	0	0	-1372.08
		271	583.77	59.93	0	0	0	1282.13
271	1	271	-583.77	-78.12	0	0	0	-1282.13
		272	583.77	78.12	0	0	0	1164.91
272	1	272	-583.77	-105.63	0	0	0	-1164.91
		273	583.77	105.63	0	0	0	1006.44
273	1	273	-583.77	-117.29	0	0	0	-1006.45
		274	583.77	117.29	0	0	0	830.48
274	1	274	-583.77	-118.05	0	0	0	-830.49
		275	583.77	118.05	0	0	0	653.4
275	1	275	-583.77	-109.53	0	0	0	-653.4
		276	583.77	109.53	0	0	0	489.1
276	1	276	-583.77	-95.78	0	0	0	-489.1
		277	583.77	95.78	0	0	0	345.43

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

Job No:                      Designed by:                      Checked by:                      Date:                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
277	1	277	-583.77	-79.81	0	0	0	-345.43
		278	583.77	79.81	0	0	0	225.71
278	1	278	-583.77	-63.79	0	0	0	-225.71
		279	583.77	63.79	0	0	0	130.04
279	1	279	-583.77	-49.11	0	0	0	-130.04
		280	583.77	49.11	0	0	0	56.37
280	1	280	-583.77	-36.61	0	0	0	-56.37
		281	583.77	36.61	0	0	0	1.46
281	1	281	-583.77	-26.65	0	0	0	-1.46
		282	583.77	26.65	0	0	0	-38.5
282	1	282	-583.77	-16.78	0	0	0	38.5
		283	583.77	16.78	0	0	0	-63.67
283	1	283	-583.77	-10.04	0	0	0	63.67
		284	583.77	10.04	0	0	0	-78.73
284	1	284	-583.77	2.26	0	0	0	78.74
		285	583.77	-2.26	0	0	0	-75.35
285	1	285	-583.77	8.62	0	0	0	75.35
		286	583.77	-8.62	0	0	0	-58.11
286	1	286	-583.77	9.82	0	0	0	58.11
		287	583.77	-9.82	0	0	0	-38.47
287	1	287	-583.77	8.37	0	0	0	38.47
		288	583.77	-8.37	0	0	0	-21.73
288	1	288	-583.77	5.96	0	0	0	21.73
		289	583.77	-5.96	0	0	0	-9.81
289	1	289	-583.77	3.76	0	0	0	9.81
		290	583.77	-3.76	0	0	0	-2.29
290	1	290	-583.77	2	0	0	0	2.29
		291	583.77	-2	0	0	0	1.71
291	1	291	-583.77	0.78	0	0	0	-1.71
		292	583.77	-0.78	0	0	0	3.26
292	1	292	-583.77	0.05	0	0	0	-3.26
		293	583.77	-0.05	0	0	0	3.37
293	1	293	-583.77	-0.3	0	0	0	-3.37
		294	583.77	0.3	0	0	0	2.76
294	1	294	-583.77	-0.41	0	0	0	-2.76
		295	583.77	0.41	0	0	0	1.94
295	1	295	-583.77	-0.38	0	0	0	-1.94
		296	583.77	0.38	0	0	0	1.18
296	1	296	-583.77	-0.29	0	0	0	-1.18
		297	583.77	0.29	0	0	0	0.59
297	1	297	-583.77	-0.2	0	0	0	-0.59
		298	583.77	0.2	0	0	0	0.2
298	1	298	-583.77	-0.11	0	0	0	-0.2
		299	583.77	0.11	0	0	0	-0.02
299	1	299	-583.77	-0.05	0	0	0	0.02
		300	583.77	0.05	0	0	0	-0.13

400



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

Job No :                      Designed by :                      Checked by :                      Date :                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
300	1	300	-583.77	-0.01	0	0	0	0.13
		301	583.77	0.01	0	0	0	-0.15
301	1	301	-583.77	0.01	0	0	0	0.15
		302	583.77	-0.01	0	0	0	-0.13
302	1	302	-583.77	0.02	0	0	0	0.13
		303	583.77	-0.02	0	0	0	-0.1
303	1	303	-583.77	0.02	0	0	0	0.1
		304	583.77	-0.02	0	0	0	-0.07
304	1	304	-583.77	0.01	0	0	0	0.07
		305	583.77	-0.01	0	0	0	-0.04
305	1	305	-583.77	0.01	0	0	0	0.04
		306	583.77	-0.01	0	0	0	-0.01
306	1	306	-583.77	0.01	0	0	0	0.01
		307	583.77	-0.01	0	0	0	0.01
307	1	307	-583.77	0.01	0	0	0	-0.01
		308	583.77	-0.01	0	0	0	0.02
308	1	308	-583.77	0.01	0	0	0	-0.02
		309	583.77	-0.01	0	0	0	0.03
310	1	310	504.24	128.05	0	0	0	1838.96
		311	-504.24	-128.05	0	0	0	-685.96
311	1	311	504.24	128.05	0	0	0	685.96
		312	-504.24	-128.05	0	0	0	1236
312	1	312	504.25	92.12	0	0	0	-1236.02
		314	-504.25	-92.12	0	0	0	1374.31
313	1	314	504.24	35.7	0	0	0	-1374.35
		315	-504.24	-35.7	0	0	0	1427.97
314	1	315	504.24	-7.2	0	0	0	-1427.97
		316	-504.24	7.2	0	0	0	1417.24
315	1	316	504.24	-38.54	0	0	0	-1417.24
		317	-504.24	38.54	0	0	0	1359.47
316	1	317	504.24	-60.21	0	0	0	-1359.46
		318	-504.24	60.21	0	0	0	1269.21
317	1	318	504.24	-78.08	0	0	0	-1269.2
		319	-504.24	78.08	0	0	0	1152.11
318	1	319	504.24	-105.03	0	0	0	-1152.11
		320	-504.24	105.03	0	0	0	994.58
319	1	320	504.24	-116.37	0	0	0	-994.58
		321	-504.24	116.37	0	0	0	820.03
320	1	321	504.24	-116.92	0	0	0	-820.03
		322	-504.24	116.92	0	0	0	644.66
321	1	322	504.24	-108.36	0	0	0	-644.66
		323	-504.24	108.36	0	0	0	482.12
322	1	323	504.24	-94.66	0	0	0	-482.12
		324	-504.24	94.66	0	0	0	340.13
323	1	324	504.24	-78.82	0	0	0	-340.13
		325	-504.24	78.82	0	0	0	221.9

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

Job No: \_\_\_\_\_ Designed by: \_\_\_\_\_ Checked by: \_\_\_\_\_ Date: January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
324	1	325	504.24	-62.94	0	0	0	-221.9
		326	-504.24	62.94	0	0	0	127.49
325	1	326	504.24	-48.41	0	0	0	-127.49
		327	-504.24	48.41	0	0	0	54.86
326	1	327	504.24	-36.05	0	0	0	-54.86
		328	-504.24	36.05	0	0	0	0.78
327	1	328	504.24	-26.21	0	0	0	-0.78
		329	-504.24	26.21	0	0	0	-38.53
328	1	329	504.24	-16.47	0	0	0	38.53
		330	-504.24	16.47	0	0	0	-63.24
329	1	330	504.24	-9.82	0	0	0	63.24
		331	-504.24	9.82	0	0	0	-77.98
330	1	331	504.24	2.3	0	0	0	77.98
		313	-504.24	-2.3	0	0	0	-74.53
331	1	313	504.24	8.56	0	0	0	74.53
		333	-504.24	-8.56	0	0	0	-57.42
332	1	333	504.24	9.72	0	0	0	57.42
		334	-504.24	-9.72	0	0	0	-37.97
333	1	334	504.24	8.28	0	0	0	37.97
		335	-504.24	-8.28	0	0	0	-21.42
334	1	335	504.24	5.88	0	0	0	21.42
		336	-504.24	-5.88	0	0	0	-9.65
335	1	336	504.24	3.71	0	0	0	9.65
		337	-504.24	-3.71	0	0	0	-2.23
336	1	337	504.24	1.97	0	0	0	2.23
		338	-504.24	-1.97	0	0	0	1.71
337	1	338	504.24	0.76	0	0	0	-1.71
		339	-504.24	-0.76	0	0	0	3.23
338	1	339	504.24	0.05	0	0	0	-3.23
		340	-504.24	-0.05	0	0	0	3.33
339	1	340	504.24	-0.3	0	0	0	-3.33
		341	-504.24	0.3	0	0	0	2.73
340	1	341	504.24	-0.41	0	0	0	-2.73
		342	-504.24	0.41	0	0	0	1.92
341	1	342	504.24	-0.38	0	0	0	-1.92
		343	-504.24	0.38	0	0	0	1.16
342	1	343	504.24	-0.29	0	0	0	-1.16
		344	-504.24	0.29	0	0	0	0.58
343	1	344	504.24	-0.19	0	0	0	-0.58
		345	-504.24	0.19	0	0	0	0.2
344	1	345	504.24	-0.11	0	0	0	-0.2
		346	-504.24	0.11	0	0	0	-0.03
345	1	346	504.24	-0.05	0	0	0	0.03
		347	-504.24	0.05	0	0	0	-0.13
346	1	347	504.24	-0.01	0	0	0	0.13
		348	-504.24	0.01	0	0	0	-0.15

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

Job No :                      Designed by :                      Checked by :                      Date :                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
347	1	348	504.24	0.01	0	0	0	0.15
		349	-504.24	-0.01	0	0	0	-0.13
348	1	349	504.24	0.02	0	0	0	0.13
		350	-504.24	-0.02	0	0	0	-0.1
349	1	350	504.24	0.02	0	0	0	0.1
		351	-504.24	-0.02	0	0	0	-0.06
350	1	351	504.24	0.01	0	0	0	0.06
		352	-504.24	-0.01	0	0	0	-0.03
351	1	352	504.24	0.01	0	0	0	0.03
		353	-504.24	-0.01	0	0	0	-0.01
352	1	353	504.24	0.01	0	0	0	0.01
		354	-504.24	-0.01	0	0	0	0.01
353	1	354	504.24	0.01	0	0	0	-0.01
		332	-504.24	-0.01	0	0	0	0.02
354	1	332	504.24	0.01	0	0	0	-0.02
		355	-504.24	-0.01	0	0	0	0.03
356	1	356	-637.79	70.05	0	0	0	918.39
		357	637.79	-70.05	0	0	0	-288.4
357	1	357	-637.79	70.05	0	0	0	288.4
		358	637.79	-70.05	0	0	0	761.47
358	1	358	-637.79	49.17	0	0	0	-761.46
		360	637.79	-49.17	0	0	0	835.17
359	1	360	-637.79	16.43	0	0	0	-835.15
		361	637.79	-16.43	0	0	0	859.75
360	1	361	-637.79	-8.34	0	0	0	-859.73
		362	637.79	8.34	0	0	0	847.17
361	1	362	-637.79	-26.34	0	0	0	-847.17
		363	637.79	26.34	0	0	0	807.61
362	1	363	-637.79	-38.69	0	0	0	-807.62
		364	637.79	38.69	0	0	0	749.55
363	1	364	-637.79	-48.77	0	0	0	-749.55
		365	637.79	48.77	0	0	0	676.38
364	1	365	-637.79	-63.67	0	0	0	-676.38
		366	637.79	63.67	0	0	0	580.85
365	1	366	-637.79	-69.6	0	0	0	-580.85
		367	637.79	69.6	0	0	0	476.44
366	1	367	-637.79	-69.22	0	0	0	-476.44
		368	637.79	69.22	0	0	0	372.6
367	1	368	-637.79	-63.69	0	0	0	-372.6
		369	637.79	63.69	0	0	0	277.06
368	1	369	-637.79	-55.32	0	0	0	-277.06
		370	637.79	55.32	0	0	0	194.07
369	1	370	-637.79	-45.82	0	0	0	-194.07
		371	637.79	45.82	0	0	0	125.34
370	1	371	-637.79	-36.4	0	0	0	-125.34
		372	637.79	36.4	0	0	0	70.74

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

Job No :                      Designed by :                      Checked by :                      Date :                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
371	1	372	-637.79	-27.85	0	0	0	-70.74
		373	637.79	27.85	0	0	0	28.97
372	1	373	-637.79	-20.6	0	0	0	-28.97
		374	637.79	20.6	0	0	0	-1.94
373	1	374	-637.79	-14.86	0	0	0	1.94
		375	637.79	14.86	0	0	0	-24.23
374	1	375	-637.79	-9.21	0	0	0	24.23
		376	637.79	9.21	0	0	0	-38.05
375	1	376	-637.79	-5.37	0	0	0	38.05
		377	637.79	5.37	0	0	0	-46.11
376	1	377	-637.79	1.58	0	0	0	46.11
		359	637.79	-1.58	0	0	0	-43.73
377	1	359	-637.79	5.13	0	0	0	43.73
		379	637.79	-5.13	0	0	0	-33.48
378	1	379	-637.79	5.73	0	0	0	33.48
		380	637.79	-5.73	0	0	0	-22.01
379	1	380	-637.79	4.84	0	0	0	22.01
		381	637.79	-4.84	0	0	0	-12.32
380	1	381	-637.79	3.42	0	0	0	12.32
		382	637.79	-3.42	0	0	0	-5.48
381	1	382	-637.79	2.15	0	0	0	5.48
		383	637.79	-2.15	0	0	0	-1.19
382	1	383	-637.79	1.13	0	0	0	1.19
		384	637.79	-1.13	0	0	0	1.07
383	1	384	-637.79	0.43	0	0	0	-1.07
		385	637.79	-0.43	0	0	0	1.92
384	1	385	-637.79	0.02	0	0	0	-1.92
		386	637.79	-0.02	0	0	0	1.96
385	1	386	-637.79	-0.18	0	0	0	-1.96
		387	637.79	0.18	0	0	0	1.59
386	1	387	-637.79	-0.24	0	0	0	-1.59
		388	637.79	0.24	0	0	0	1.11
387	1	388	-637.79	-0.22	0	0	0	-1.11
		389	637.79	0.22	0	0	0	0.67
388	1	389	-637.79	-0.17	0	0	0	-0.67
		390	637.79	0.17	0	0	0	0.33
389	1	390	-637.79	-0.11	0	0	0	-0.33
		391	637.79	0.11	0	0	0	0.11
390	1	391	-637.79	-0.06	0	0	0	-0.11
		392	637.79	0.06	0	0	0	-0.02
391	1	392	-637.79	-0.03	0	0	0	0.02
		393	637.79	0.03	0	0	0	-0.08
392	1	393	-637.79	-0.01	0	0	0	0.08
		394	637.79	0.01	0	0	0	-0.09
393	1	394	-637.79	0.01	0	0	0	0.09
		395	637.79	-0.01	0	0	0	-0.08

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

Job No: \_\_\_\_\_ Designed by: \_\_\_\_\_ Checked by: \_\_\_\_\_ Date: January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
394	1	395	-637.79	0.01	0	0	0	0.08
		396	637.79	-0.01	0	0	0	-0.06
395	1	396	-637.79	0.01	0	0	0	0.06
		397	637.79	-0.01	0	0	0	-0.04
396	1	397	-637.79	0.01	0	0	0	0.04
		398	637.79	-0.01	0	0	0	-0.02
397	1	398	-637.79	0.01	0	0	0	0.02
		399	637.79	-0.01	0	0	0	-0.01
398	1	399	-637.79	0.01	0	0	0	0.01
		400	637.79	-0.01	0	0	0	0
399	1	400	-637.79	0	0	0	0	0
		378	637.79	0	0	0	0	0.01
400	1	378	-637.79	0	0	0	0	-0.01
		401	637.79	0	0	0	0	0.02
402	1	402	904.38	79.08	0	0	0	1122.24
		403	-904.38	-79.08	0	0	0	-409.9
403	1	403	904.38	79.08	0	0	0	409.9
		404	-904.38	-79.08	0	0	0	777.62
404	1	404	904.38	56.73	0	0	0	-777.6
		406	-904.38	-56.73	0	0	0	862.8
405	1	406	904.38	21.54	0	0	0	-862.77
		407	-904.38	-21.54	0	0	0	895.15
406	1	407	904.38	-5.22	0	0	0	-895.16
		408	-904.38	5.22	0	0	0	887.4
407	1	408	904.38	-24.71	0	0	0	-887.42
		409	-904.38	24.71	0	0	0	850.42
408	1	409	904.38	-38.17	0	0	0	-850.42
		410	-904.38	38.17	0	0	0	793.22
409	1	410	904.39	-49.25	0	0	0	-793.22
		411	-904.39	49.25	0	0	0	719.37
410	1	411	904.39	-65.93	0	0	0	-719.37
		412	-904.39	65.93	0	0	0	620.5
411	1	412	904.38	-72.89	0	0	0	-620.5
		413	-904.38	72.89	0	0	0	511.2
412	1	413	904.39	-73.11	0	0	0	-511.2
		414	-904.39	73.11	0	0	0	401.54
413	1	414	904.38	-67.68	0	0	0	-401.54
		415	-904.38	67.68	0	0	0	300.04
414	1	415	904.38	-59.07	0	0	0	-300.04
		416	-904.38	59.07	0	0	0	211.43
415	1	416	904.38	-49.14	0	0	0	-211.44
		417	-904.38	49.14	0	0	0	137.72
416	1	417	904.39	-39.21	0	0	0	-137.72
		418	-904.39	39.21	0	0	0	78.91
417	1	418	904.38	-30.13	0	0	0	-78.91
		419	-904.38	30.13	0	0	0	33.71

405

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

Job No :                      Designed by :                      Checked by :                      Date :                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
418	1	419	904.38	-22.42	0	0	0	-33.71
		420	-904.38	22.42	0	0	0	0.08
419	1	420	904.39	-16.27	0	0	0	-0.08
		421	-904.39	16.27	0	0	0	-24.34
420	1	421	904.39	-10.21	0	0	0	24.34
		422	-904.39	10.21	0	0	0	-39.65
421	1	422	904.38	-6.06	0	0	0	39.65
		423	-904.38	6.06	0	0	0	-48.75
422	1	423	904.39	1.48	0	0	0	48.75
		405	-904.39	-1.48	0	0	0	-46.54
423	1	405	904.38	5.36	0	0	0	46.54
		425	-904.38	-5.36	0	0	0	-35.82
424	1	425	904.38	6.08	0	0	0	35.82
		426	-904.38	-6.08	0	0	0	-23.66
425	1	426	904.38	5.17	0	0	0	23.66
		427	-904.38	-5.17	0	0	0	-13.33
426	1	427	904.38	3.67	0	0	0	13.33
		428	-904.38	-3.67	0	0	0	-6
427	1	428	904.38	2.31	0	0	0	6
		429	-904.38	-2.31	0	0	0	-1.37
428	1	429	904.38	1.22	0	0	0	1.37
		430	-904.38	-1.22	0	0	0	1.08
429	1	430	904.38	0.47	0	0	0	-1.08
		431	-904.38	-0.47	0	0	0	2.02
430	1	431	904.38	0.03	0	0	0	-2.02
		432	-904.38	-0.03	0	0	0	2.08
431	1	432	904.38	-0.19	0	0	0	-2.08
		433	-904.38	0.19	0	0	0	1.7
432	1	433	904.38	-0.25	0	0	0	-1.7
		434	-904.38	0.25	0	0	0	1.2
433	1	434	904.38	-0.24	0	0	0	-1.2
		435	-904.38	0.24	0	0	0	0.73
434	1	435	904.38	-0.18	0	0	0	-0.73
		436	-904.38	0.18	0	0	0	0.36
435	1	436	904.38	-0.12	0	0	0	-0.36
		437	-904.38	0.12	0	0	0	0.12
436	1	437	904.38	-0.07	0	0	0	-0.12
		438	-904.38	0.07	0	0	0	-0.02
437	1	438	904.38	-0.03	0	0	0	0.02
		439	-904.38	0.03	0	0	0	-0.08
438	1	439	904.38	-0.01	0	0	0	0.08
		440	-904.38	0.01	0	0	0	-0.09
439	1	440	904.38	0.01	0	0	0	0.09
		441	-904.38	-0.01	0	0	0	-0.08
440	1	441	904.38	0.01	0	0	0	0.08
		442	-904.38	-0.01	0	0	0	-0.06

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

Job No:                      Designed by:                      Checked by:                      Date:                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
441	1	442	904.38	0.01	0	0	0	0.06
		443	-904.38	-0.01	0	0	0	-0.04
442	1	443	904.38	0.01	0	0	0	0.04
		444	-904.38	-0.01	0	0	0	-0.02
443	1	444	904.38	0.01	0	0	0	0.02
		445	-904.38	-0.01	0	0	0	-0.01
444	1	445	904.38	0.01	0	0	0	0.01
		446	-904.38	-0.01	0	0	0	0
445	1	446	904.38	0	0	0	0	0
		424	-904.38	0	0	0	0	0.01
446	1	424	904.38	0	0	0	0	-0.01
		447	-904.38	0	0	0	0	0.02
448	1	448	-97.83	366.16	0	0	0	5496.94
		449	97.83	-366.16	0	0	0	-2201.72
449	1	449	-97.84	366.16	0	0	0	2201.72
		450	97.84	-366.16	0	0	0	3290.14
450	1	450	-97.83	267.05	0	0	0	-3290.21
		452	97.83	-267.05	0	0	0	3690.77
451	1	452	-97.84	111.1	0	0	0	-3690.92
		453	97.84	-111.1	0	0	0	3857.44
452	1	453	-97.83	-7.89	0	0	0	-3857.52
		454	97.83	7.89	0	0	0	3845.62
453	1	454	-97.83	-95.1	0	0	0	-3845.69
		455	97.83	95.1	0	0	0	3703.03
454	1	455	-97.84	-155.54	0	0	0	-3703.11
		456	97.84	155.54	0	0	0	3469.72
455	1	456	-97.84	-205.75	0	0	0	-3469.73
		457	97.84	205.75	0	0	0	3161.09
456	1	457	-97.84	-282.36	0	0	0	-3161.08
		458	97.84	282.36	0	0	0	2737.52
457	1	458	-97.84	-315.56	0	0	0	-2737.52
		459	97.84	315.56	0	0	0	2264.17
458	1	459	-97.84	-319.1	0	0	0	-2264.17
		460	97.84	319.1	0	0	0	1785.51
459	1	460	-97.83	-297.06	0	0	0	-1785.51
		461	97.83	297.06	0	0	0	1339.92
460	1	461	-97.84	-260.44	0	0	0	-1339.92
		462	97.84	260.44	0	0	0	949.26
461	1	462	-97.84	-217.54	0	0	0	-949.27
		463	97.84	217.54	0	0	0	622.96
462	1	463	-97.84	-174.25	0	0	0	-622.96
		464	97.84	174.25	0	0	0	361.59
463	1	464	-97.84	-134.49	0	0	0	-361.59
		465	97.84	134.49	0	0	0	159.85
464	1	465	-97.84	-100.53	0	0	0	-159.86
		466	97.84	100.53	0	0	0	9.05

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

Job No:                      Designed by:                      Checked by:                      Date:                      January 23, 2000

### CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
465	1	466	-97.84	-73.41	0	0	0	-9.06
		467	97.84	73.41	0	0	0	-101.06
466	1	467	-97.83	-46.52	0	0	0	101.06
		468	97.83	46.52	0	0	0	-170.83
467	1	468	-97.84	-28.09	0	0	0	170.83
		469	97.84	28.09	0	0	0	-212.96
468	1	469	-97.84	5.63	0	0	0	212.96
		451	97.84	-5.63	0	0	0	-204.52
469	1	451	-97.84	23.16	0	0	0	204.52
		471	97.84	-23.16	0	0	0	-158.19
470	1	471	-97.84	26.6	0	0	0	158.19
		472	97.84	-26.6	0	0	0	-104.99
471	1	472	-97.84	22.75	0	0	0	104.99
		473	97.84	-22.75	0	0	0	-59.49
472	1	473	-97.84	16.23	0	0	0	59.49
		474	97.84	-16.23	0	0	0	-27.02
473	1	474	-97.84	10.28	0	0	0	27.02
		475	97.84	-10.28	0	0	0	-6.46
474	1	475	-97.84	5.48	0	0	0	6.46
		476	97.84	-5.48	0	0	0	4.49
475	1	476	-97.84	2.15	0	0	0	-4.49
		477	97.84	-2.15	0	0	0	8.8
476	1	477	-97.84	0.16	0	0	0	-8.8
		478	97.84	-0.16	0	0	0	9.13
477	1	478	-97.84	-0.81	0	0	0	-9.13
		479	97.84	0.81	0	0	0	7.52
478	1	479	-97.84	-1.11	0	0	0	-7.52
		480	97.84	1.11	0	0	0	5.3
479	1	480	-97.84	-1.04	0	0	0	-5.3
		481	97.84	1.04	0	0	0	3.23
480	1	481	-97.84	-0.8	0	0	0	-3.23
		482	97.84	0.8	0	0	0	1.63
481	1	482	-97.84	-0.54	0	0	0	-1.63
		483	97.84	0.54	0	0	0	0.55
482	1	483	-97.84	-0.31	0	0	0	-0.55
		484	97.84	0.31	0	0	0	-0.06
483	1	484	-97.84	-0.14	0	0	0	0.06
		485	97.84	0.14	0	0	0	-0.34
484	1	485	-97.84	-0.03	0	0	0	0.34
		486	97.84	0.03	0	0	0	-0.41
485	1	486	-97.84	0.02	0	0	0	0.41
		487	97.84	-0.02	0	0	0	-0.36
486	1	487	-97.84	0.04	0	0	0	0.36
		488	97.84	-0.04	0	0	0	-0.27
487	1	488	-97.84	0.05	0	0	0	0.27
		489	97.84	-0.05	0	0	0	-0.18



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

Job No :                      Designed by :                      Checked by :                      Date :                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
488	1	489	-97.84	0.04	0	0	0	0.18
		490	97.84	-0.04	0	0	0	-0.1
489	1	490	-97.84	0.03	0	0	0	0.1
		491	97.84	-0.03	0	0	0	-0.03
490	1	491	-97.84	0.02	0	0	0	0.03
		492	97.84	-0.02	0	0	0	0.01
491	1	492	-97.84	0.02	0	0	0	-0.01
		470	97.84	-0.02	0	0	0	0.05
492	1	470	-97.84	0.02	0	0	0	-0.05
		493	97.84	-0.02	0	0	0	0.08
494	1	494	-83.31	359.94	0	0	0	5358.45
		495	83.31	-359.94	0	0	0	-2119.25
495	1	495	-83.31	359.94	0	0	0	2119.24
		496	83.31	-359.94	0	0	0	3279.32
496	1	496	-83.31	261.87	0	0	0	-3279.43
		498	83.31	-261.87	0	0	0	3672.15
497	1	498	-83.31	107.69	0	0	0	-3672.17
		499	83.31	-107.69	0	0	0	3833.59
498	1	499	-83.31	-10.08	0	0	0	-3833.47
		500	83.31	10.08	0	0	0	3818.45
499	1	500	-83.31	-96.22	0	0	0	-3818.44
		501	83.31	96.22	0	0	0	3674.04
500	1	501	-83.31	-155.94	0	0	0	-3674.06
		502	83.31	155.94	0	0	0	3440.13
501	1	502	-83.31	-205.49	0	0	0	-3440.12
		503	83.31	205.49	0	0	0	3131.85
502	1	503	-83.31	-280.87	0	0	0	-3131.87
		504	83.31	280.87	0	0	0	2710.55
503	1	504	-83.31	-313.35	0	0	0	-2710.55
		505	83.31	313.35	0	0	0	2240.5
504	1	505	-83.31	-316.48	0	0	0	-2240.51
		506	83.31	316.48	0	0	0	1765.78
505	1	506	-83.31	-294.36	0	0	0	-1765.78
		507	83.31	294.36	0	0	0	1324.24
506	1	507	-83.31	-257.89	0	0	0	-1324.24
		508	83.31	257.89	0	0	0	937.4
507	1	508	-83.31	-215.28	0	0	0	-937.4
		509	83.31	215.28	0	0	0	614.49
508	1	509	-83.31	-172.34	0	0	0	-614.49
		510	83.31	172.34	0	0	0	355.97
509	1	510	-83.31	-132.93	0	0	0	-355.98
		511	83.31	132.93	0	0	0	156.58
510	1	511	-83.31	-99.29	0	0	0	-156.58
		512	83.31	99.29	0	0	0	7.65
511	1	512	-83.31	-72.44	0	0	0	-7.64
		513	83.31	72.44	0	0	0	-101.02

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

Job No:                      Designed by:                      Checked by:                      Date:                      January 23, 2000

## CLOSURE PRESTRESS LOAD AT SPAN 4

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
512	1	513	-83.31	-45.83	0	0	0	101.02
		514	83.31	45.83	0	0	0	-169.76
513	1	514	-83.31	-27.61	0	0	0	169.76
		515	83.31	27.61	0	0	0	-211.18
514	1	515	-83.31	5.7	0	0	0	211.18
		497	83.31	-5.7	0	0	0	-202.62
515	1	497	-83.31	23.01	0	0	0	202.62
		517	83.31	-23.01	0	0	0	-156.6
516	1	517	-83.31	26.37	0	0	0	156.6
		518	83.31	-26.37	0	0	0	-103.87
517	1	518	-83.31	22.53	0	0	0	103.87
		519	83.31	-22.53	0	0	0	-58.8
518	1	519	-83.31	16.07	0	0	0	58.8
		520	83.31	-16.07	0	0	0	-26.67
519	1	520	-83.31	10.17	0	0	0	26.67
		521	83.31	-10.17	0	0	0	-6.34
520	1	521	-83.31	5.41	0	0	0	6.34
		522	83.31	-5.41	0	0	0	4.49
521	1	522	-83.31	2.12	0	0	0	-4.49
		523	83.31	-2.12	0	0	0	8.73
522	1	523	-83.31	0.16	0	0	0	-8.73
		524	83.31	-0.16	0	0	0	9.04
523	1	524	-83.31	-0.8	0	0	0	-9.04
		525	83.31	0.8	0	0	0	7.44
524	1	525	-83.31	-1.1	0	0	0	-7.44
		526	83.31	1.1	0	0	0	5.24
525	1	526	-83.31	-1.03	0	0	0	-5.24
		527	83.31	1.03	0	0	0	3.19
526	1	527	-83.31	-0.79	0	0	0	-3.19
		528	83.31	0.79	0	0	0	1.61
527	1	528	-83.31	-0.53	0	0	0	-1.61
		529	83.31	0.53	0	0	0	0.55
528	1	529	-83.31	-0.3	0	0	0	-0.55
		530	83.31	0.3	0	0	0	-0.06
529	1	530	-83.31	-0.14	0	0	0	0.06
		531	83.31	0.14	0	0	0	-0.34
530	1	531	-83.31	-0.03	0	0	0	0.34
		532	83.31	0.03	0	0	0	-0.4
531	1	532	-83.31	0.02	0	0	0	0.4
		533	83.31	-0.02	0	0	0	-0.36
532	1	533	-83.31	0.04	0	0	0	0.36
		534	83.31	-0.04	0	0	0	-0.27
533	1	534	-83.31	0.05	0	0	0	0.27
		535	83.31	-0.05	0	0	0	-0.18
534	1	535	-83.31	0.04	0	0	0	0.18
		536	83.31	-0.04	0	0	0	-0.1

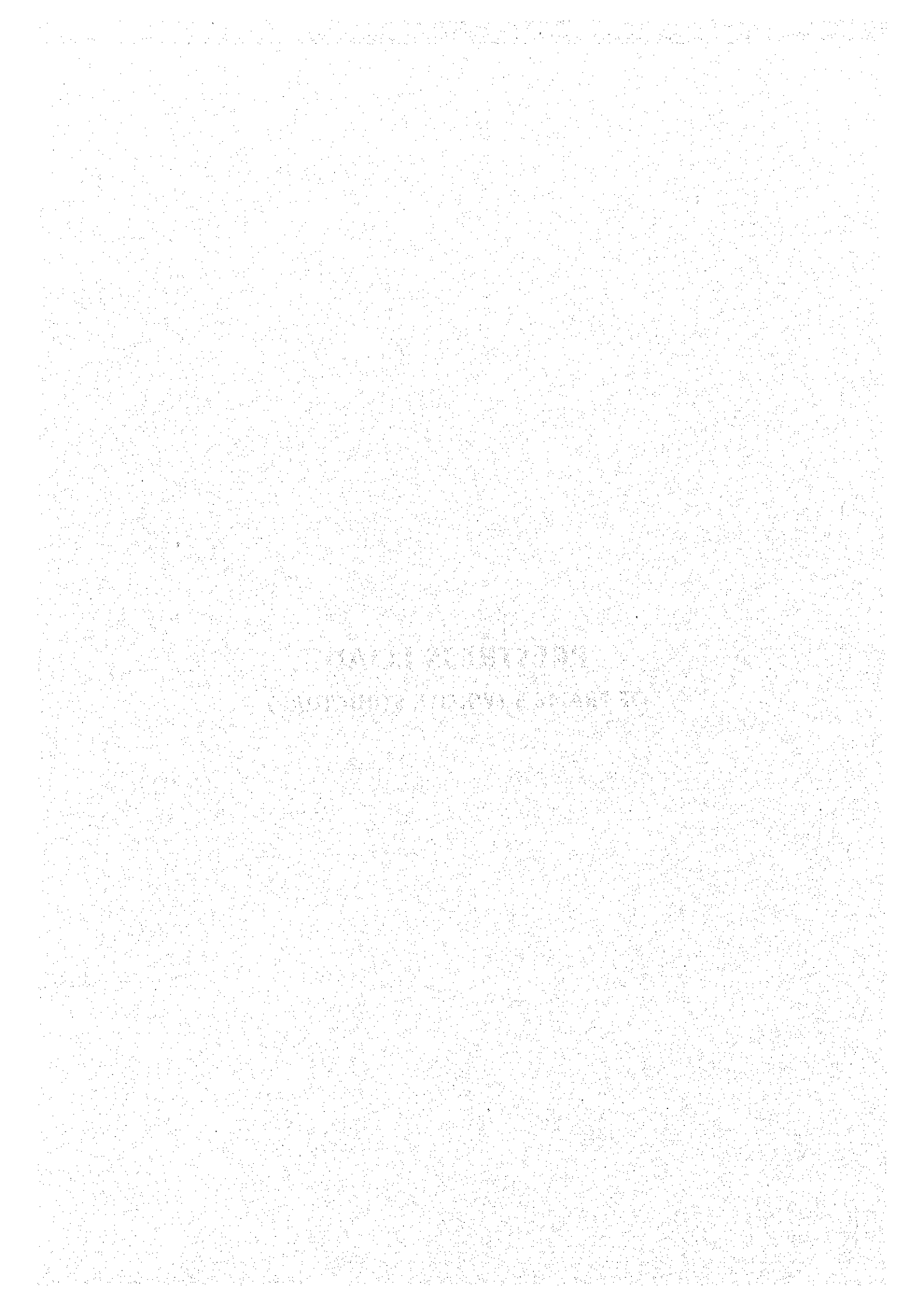
**THE STUDY ON THE CONSTRUCTION OF THE BRIDGE  
OVER THE RIVER RUPSA IN KHULNA, PHASE - 2**

Job No:                      Designed by:                      Checked by:                      Date:                      January 23, 2000

**CLOSURE PRESTRESS LOAD AT SPAN 4**

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
535	1	536	-83.31	0.03	0	0	0	0.1
		537	83.31	-0.03	0	0	0	-0.03
536	1	537	-83.31	0.02	0	0	0	0.03
		538	83.31	-0.02	0	0	0	0.01
537	1	538	-83.31	0.02	0	0	0	-0.01
		516	83.31	-0.02	0	0	0	0.05
538	1	516	-83.31	0.02	0	0	0	-0.05
		539	83.31	-0.02	0	0	0	0.08

**PRESTRESS LOAD  
OF FRAME 5 (WHOLE STRUCTURE)**



MN/ELEM  
MOMENT MZ LNE 3

STRUCTURE DATA

TYPE =	SPACE
NJ =	015
NM =	014
NE =	0
NS =	0
NRJ =	530
NL =	3
XMAX =	640.0
YMAX =	127.4
ZMAX =	.0



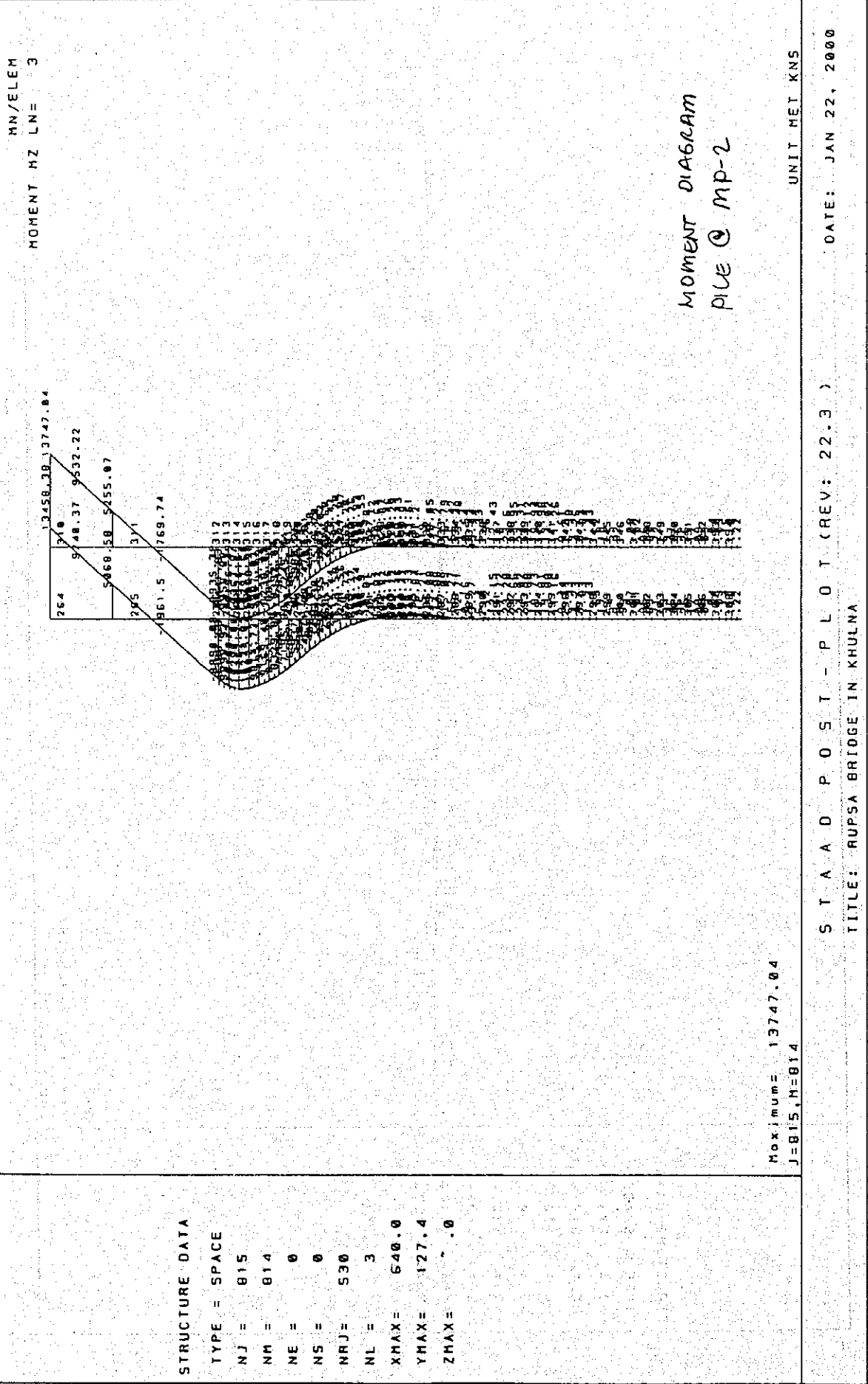
Maximum = 273053.50  
J=015, M=014

UNIT MET KNS

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

DATE: JAN 22, 2000

TITLE: RUPSA BRIDGE IN KHULNA



STRUCTURE DATA

TYPE = SPACE

NJ = 815

NM = 814

NE = 0

NS = 0

NRJ = 530

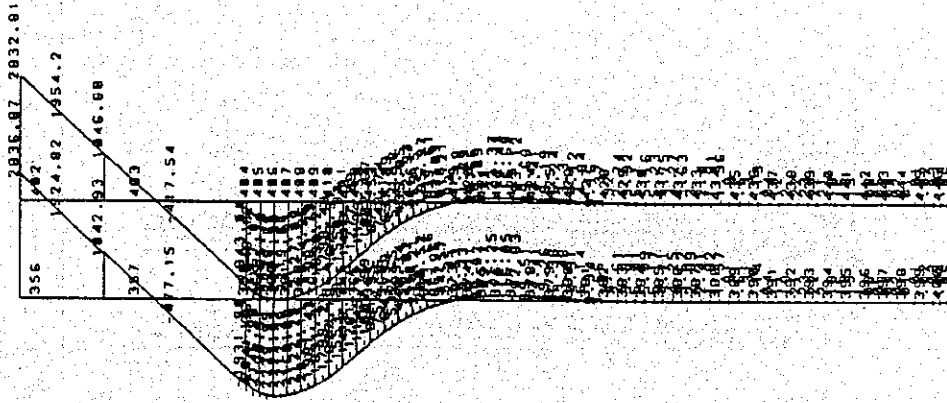
NL = 3

XMAX = 640.0

YMAX = 127.4

ZMAX = .0

MN/ELEM  
MOMENT MZ LN= 3



MOMENT DIAGRAM  
PILE @ MP-3

UNIT MET KNS

Maximum= 2836.87  
J=815, M=814

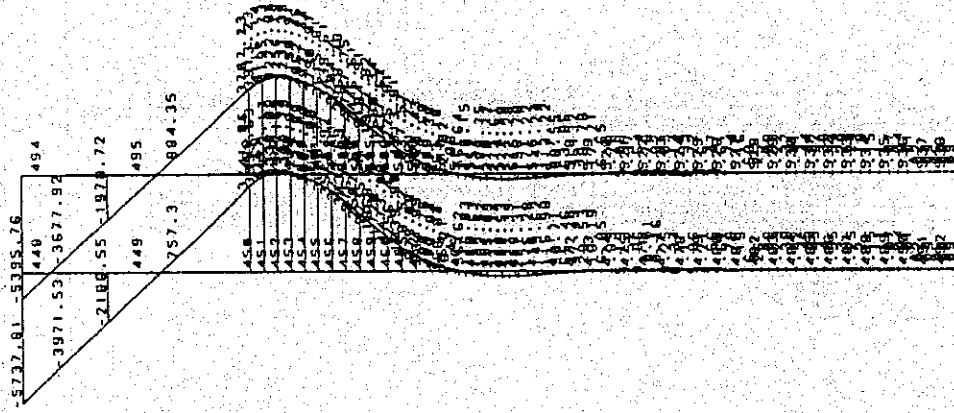
STRUCTURE DATA  
TYPE = SPACE  
NJ = 815  
NM = 814  
NE = 0  
NS = 0  
NRJ = 530  
NL = 3  
XMAX = 640.0  
YMAX = 127.4  
ZMAX = .0

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

DATE: JAN 22, 2000



MN/ELEM  
MOMENT MZ LN= 3



MOMENT DIAGRAM  
FILE @ MP-d

UNIT MET KNS

STRUCTURE DATA

TYPE = SPACE  
 NJ = 815  
 NY = 814  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 3  
 XMAX = 640.0  
 YMAX = 127.4  
 ZMAX = .0

Maximum= 5737.81  
 J=815, M=814

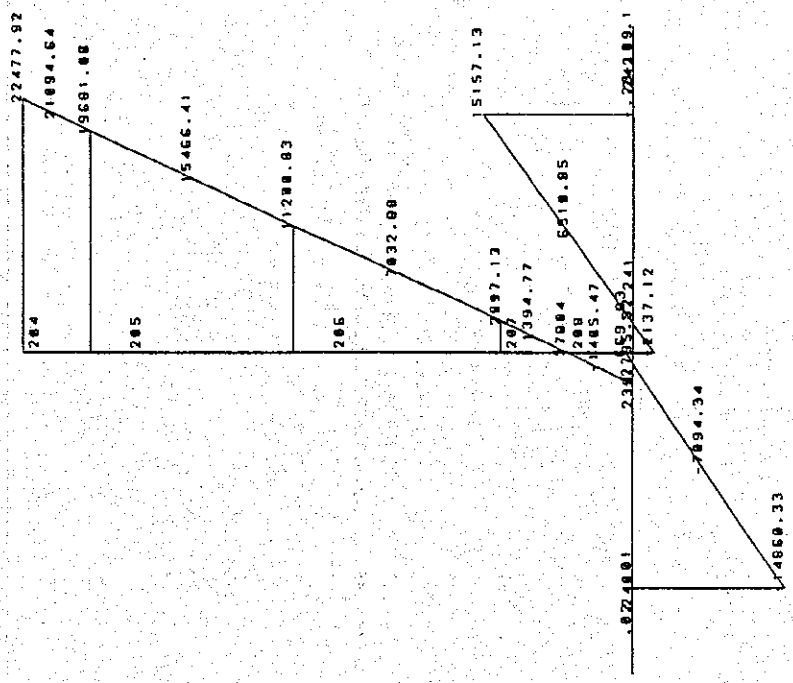
S T A A O P O S T - P L O T ( R E V : 2 2 . 3 )  
 TITLE: RUPSA BRIDGE IN KHULNA

DATE: JAN 22, 2000

MN/ELEM  
MOMENT MZ LN= 3

STRUCTURE DATA

TYPE = SPACE  
 NJ = 815  
 NM = 814  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 3  
 XMAX = 640.0  
 YMAX = 127.4  
 ZMAX = .0



MOMENT DIAG.  
 MP-2 COLUMN  
 & COPING

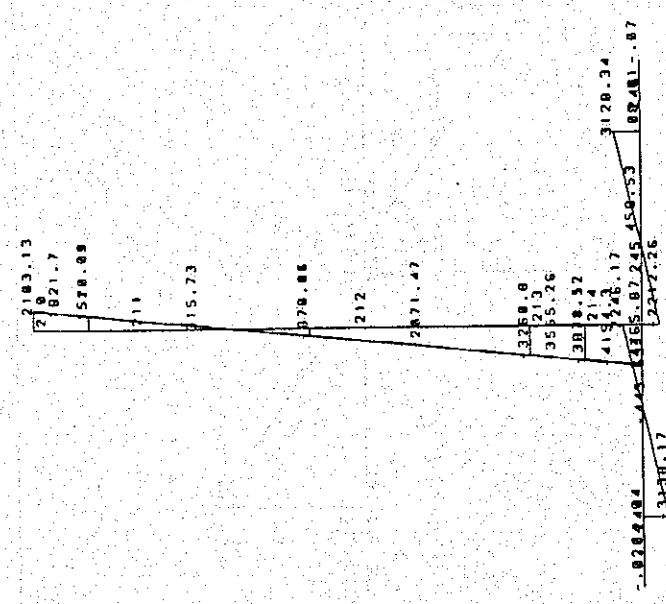
Maximum= 22477.92  
 J=815, M=814

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 22, 2000

MN/ELEM  
MOMENT MZ LN= 3



MOMENT DIAG.  
MP-3 COLUMN  
& COPING

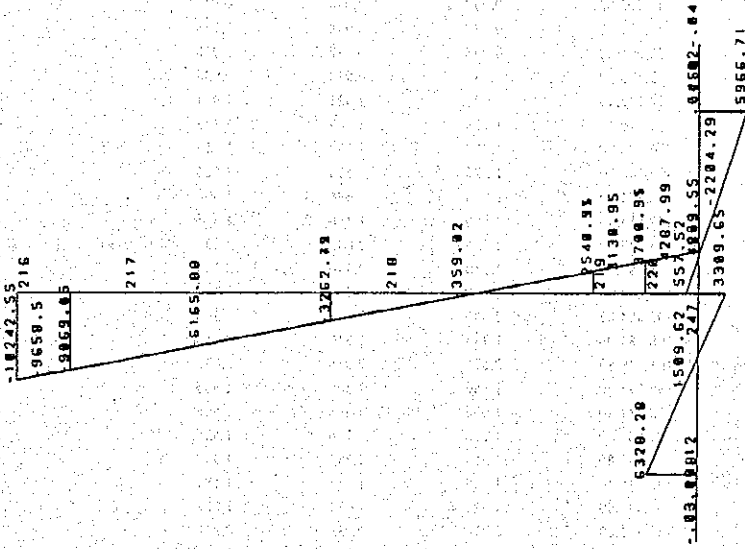
Maximum = 4465.87  
J=815, M=814

UNIT MET KNS

STRUCTURE DATA  
TYPE = SPACE  
NJ = 815  
NM = 814  
NE = 0  
NS = 0  
NRJ = 530  
NL = 3  
XMAX = 640.0  
YMAX = 127.4  
ZMAX = .0

DATE: JAN 22, 2000  
S T A A D P O S T - P L O T (REV: 22.3)  
TITLE: RUPSA BRIDGE IN KHULNA

MN/ELEM  
MOMENT MZ LNE= 3



MOMENT DIAGRAM  
MP-4 COLUMN &  
COPING  
UNIT HET KNS

STRUCTURE DATA  
TYPE = SPACE  
NJ = 815  
NH = 814  
NE = 0  
NS = 0  
NRJ = 530  
NL = 3  
XMAX = 640.0  
YMAX = 127.4  
ZMAX = .0

Maximum= 10242.55  
J=815, M=814

DATE: JAN 22, 2000  
S T A A D P O S T - P L O T (REV: 22.3 )  
TITLE: RUPSA BRIDGE IN KHULNA