

# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
93	1	93	-2,114.23	181.88	0.00	0.00	0.00	454.82
		94	2,114.23	-181.88	0.00	0.00	0.00	92.29
94	1	94	-2,114.36	180.45	0.00	0.00	0.00	-92.15
		95	2,114.36	-180.45	0.00	0.00	0.00	634.97
95	1	95	-2,121.08	63.59	0.00	0.00	0.00	-634.95
		96	2,121.08	-63.59	0.00	0.00	0.00	857.08
96	1	96	-2,121.07	63.65	0.00	0.00	0.00	-857.10
		97	2,121.07	-63.65	0.00	0.00	0.00	1,079.49
97	1	97	-2,121.08	63.64	0.00	0.00	0.00	-1,079.43
		98	2,121.08	-63.64	0.00	0.00	0.00	1,301.72
98	1	98	-2,121.09	63.61	0.00	0.00	0.00	-1,301.86
		99	2,121.09	-63.61	0.00	0.00	0.00	1,524.15
99	1	99	-2,121.08	63.60	0.00	0.00	0.00	-1,524.21
		100	2,121.08	-63.60	0.00	0.00	0.00	1,746.70
100	1	100	-2,121.08	63.63	0.00	0.00	0.00	-1,746.81
		101	2,121.08	-63.63	0.00	0.00	0.00	1,969.31
101	1	101	-2,121.10	63.59	0.00	0.00	0.00	-1,969.52
		102	2,121.10	-63.59	0.00	0.00	0.00	2,096.42
204	1	204	-98.46	1,205.20	0.00	0.00	0.00	7,152.97
		205	98.46	-1,205.20	0.00	0.00	0.00	-5,350.41
205	1	205	-98.46	1,213.16	0.00	0.00	0.00	5,344.67
		206	98.46	-1,213.16	0.00	0.00	0.00	114.00
206	1	206	-98.47	1,212.88	0.00	0.00	0.00	-113.58
		207	98.47	-1,212.88	0.00	0.00	0.00	5,571.98
207	1	207	-98.47	1,209.89	0.00	0.00	0.00	-5,570.51
		208	98.47	-1,209.89	0.00	0.00	0.00	7,393.56
210	1	210	45.30	725.32	0.00	0.00	0.00	6,771.47
		211	-45.30	-725.32	0.00	0.00	0.00	-5,686.18
211	1	211	45.31	715.58	0.00	0.00	0.00	5,692.98
		212	-45.31	-715.58	0.00	0.00	0.00	-1,399.62
212	1	212	45.32	715.53	0.00	0.00	0.00	1,399.09
		213	-45.32	-715.53	0.00	0.00	0.00	2,894.27
213	1	213	45.32	718.49	0.00	0.00	0.00	-2,891.19
		214	-45.32	-718.49	0.00	0.00	0.00	3,969.22
216	1	216	130.14	192.24	0.00	0.00	0.00	1,140.86
		217	-130.14	-192.24	0.00	0.00	0.00	-854.39
217	1	217	130.14	193.48	0.00	0.00	0.00	852.51
		218	-130.14	-193.48	0.00	0.00	0.00	598.65
218	1	218	130.13	193.49	0.00	0.00	0.00	-598.64
		219	-130.13	-193.49	0.00	0.00	0.00	2,049.75
219	1	219	130.13	194.10	0.00	0.00	0.00	-2,048.09
		220	-130.13	-194.10	0.00	0.00	0.00	2,341.81
239	1	209	-610.03	3,041.90	0.00	0.00	0.00	4,798.73
		240	610.03	-3,041.90	0.00	0.00	0.00	9,650.80
240	1	240	-0.12	0.01	0.00	0.00	0.00	0.00
		241	0.12	-0.01	0.00	0.00	0.00	0.01

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## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
241	1	209	603.10	-2,943.43	0.00	0.00	0.00	-4,411.80
		242	-603.10	2,943.43	0.00	0.00	0.00	-9,568.98
242	1	242	-0.37	-0.01	0.00	0.00	0.00	0.00
		243	0.37	0.01	0.00	0.00	0.00	0.02
243	1	215	-357.84	1,702.79	0.00	0.00	0.00	2,431.44
		244	357.84	-1,702.79	0.00	0.00	0.00	5,656.99
244	1	244	0.01	-0.03	0.00	0.00	0.00	-0.02
		245	-0.01	0.03	0.00	0.00	0.00	-0.02
245	1	215	357.95	-1,748.11	0.00	0.00	0.00	-2,609.86
		246	-357.95	1,748.11	0.00	0.00	0.00	-5,693.46
246	1	246	0.34	-0.05	0.00	0.00	0.00	-0.06
		247	-0.34	0.05	0.00	0.00	0.00	-0.02
247	1	221	-94.56	531.47	0.00	0.00	0.00	1,059.13
		248	94.56	-531.47	0.00	0.00	0.00	1,465.35
248	1	248	-0.01	-0.01	0.00	0.00	0.00	-0.01
		249	0.01	0.01	0.00	0.00	0.00	0.00
249	1	221	98.89	-661.60	0.00	0.00	0.00	-1,571.10
		250	-98.89	661.60	0.00	0.00	0.00	-1,571.49
250	1	250	0.05	0.00	0.00	0.00	0.00	0.00
		251	-0.05	0.00	0.00	0.00	0.00	0.00
264	1	264	-3,041.90	610.00	0.00	0.00	0.00	8,737.19
		265	3,041.90	-610.00	0.00	0.00	0.00	-3,262.60
265	1	265	-3,041.90	610.00	0.00	0.00	0.00	3,262.60
		266	3,041.90	-610.00	0.00	0.00	0.00	5,853.89
266	1	266	-3,041.90	439.56	0.00	0.00	0.00	-5,854.00
		267	3,041.90	-439.56	0.00	0.00	0.00	6,510.78
267	1	267	-3,041.90	171.73	0.00	0.00	0.00	-6,510.95
		268	3,041.90	-171.73	0.00	0.00	0.00	6,766.44
268	1	268	-3,041.90	32.03	0.00	0.00	0.00	-6,766.47
		269	3,041.90	-32.03	0.00	0.00	0.00	6,716.58
269	1	269	-3,041.89	-180.77	0.00	0.00	0.00	-6,716.62
		270	3,041.89	180.77	0.00	0.00	0.00	6,443.90
270	1	270	-3,041.88	-283.67	0.00	0.00	0.00	-6,444.00
		271	3,041.88	283.67	0.00	0.00	0.00	6,017.16
271	1	271	-3,041.88	-368.58	0.00	0.00	0.00	-6,017.20
		272	3,041.88	368.58	0.00	0.00	0.00	5,463.32
272	1	272	-3,041.91	-496.85	0.00	0.00	0.00	-5,463.33
		273	3,041.91	496.85	0.00	0.00	0.00	4,717.29
273	1	273	-3,041.88	-550.96	0.00	0.00	0.00	-4,717.29
		274	3,041.88	550.96	0.00	0.00	0.00	3,890.34
274	1	274	-3,041.91	-553.95	0.00	0.00	0.00	-3,890.34
		275	3,041.91	553.95	0.00	0.00	0.00	3,059.08
275	1	275	-3,041.89	-513.62	0.00	0.00	0.00	-3,059.08
		276	3,041.89	513.62	0.00	0.00	0.00	2,288.46
276	1	276	-3,041.88	-448.88	0.00	0.00	0.00	-2,288.45
		277	3,041.88	448.88	0.00	0.00	0.00	1,615.07

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## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
277	1	277	-3,041.90	-373.87	0.00	0.00	0.00	-1,615.06
		278	3,041.90	373.87	0.00	0.00	0.00	1,054.26
278	1	278	-3,041.87	-298.65	0.00	0.00	0.00	-1,054.27
		279	3,041.87	298.65	0.00	0.00	0.00	606.32
279	1	279	-3,041.89	-229.82	0.00	0.00	0.00	-606.32
		280	3,041.89	229.82	0.00	0.00	0.00	261.68
280	1	280	-3,041.90	-171.22	0.00	0.00	0.00	-261.67
		281	3,041.90	171.22	0.00	0.00	0.00	4.93
281	1	281	-3,041.91	-124.53	0.00	0.00	0.00	-4.92
		282	3,041.91	124.53	0.00	0.00	0.00	-181.79
282	1	282	-3,041.89	-78.36	0.00	0.00	0.00	181.79
		283	3,041.89	78.36	0.00	0.00	0.00	-299.25
283	1	283	-3,041.90	-46.80	0.00	0.00	0.00	299.25
		284	3,041.90	46.80	0.00	0.00	0.00	-369.38
284	1	284	-3,041.90	10.73	0.00	0.00	0.00	369.38
		285	3,041.90	-10.73	0.00	0.00	0.00	-353.23
285	1	285	-3,041.90	40.47	0.00	0.00	0.00	353.23
		286	3,041.90	-40.47	0.00	0.00	0.00	-272.25
286	1	286	-3,041.90	46.05	0.00	0.00	0.00	272.25
		287	3,041.90	-46.05	0.00	0.00	0.00	-180.12
287	1	287	-3,041.90	39.23	0.00	0.00	0.00	180.12
		288	3,041.90	-39.23	0.00	0.00	0.00	-101.66
288	1	288	-3,041.89	27.90	0.00	0.00	0.00	101.66
		289	3,041.89	-27.90	0.00	0.00	0.00	-45.86
289	1	289	-3,041.89	17.61	0.00	0.00	0.00	45.86
		290	3,041.89	-17.61	0.00	0.00	0.00	-10.64
290	1	290	-3,041.90	9.35	0.00	0.00	0.00	10.64
		291	3,041.90	-9.35	0.00	0.00	0.00	8.04
291	1	291	-3,041.90	3.63	0.00	0.00	0.00	-8.04
		292	3,041.90	-3.63	0.00	0.00	0.00	15.31
292	1	292	-3,041.91	0.24	0.00	0.00	0.00	-15.31
		293	3,041.91	-0.24	0.00	0.00	0.00	15.77
293	1	293	-3,041.89	-1.41	0.00	0.00	0.00	-15.77
		294	3,041.89	1.41	0.00	0.00	0.00	12.94
294	1	294	-3,041.90	-1.92	0.00	0.00	0.00	-12.94
		295	3,041.90	1.92	0.00	0.00	0.00	9.10
295	1	295	-3,041.90	-1.79	0.00	0.00	0.00	-9.10
		296	3,041.90	1.79	0.00	0.00	0.00	5.53
296	1	296	-3,041.89	-1.38	0.00	0.00	0.00	-5.53
		297	3,041.89	1.38	0.00	0.00	0.00	2.77
297	1	297	-3,041.90	-0.92	0.00	0.00	0.00	-2.77
		298	3,041.90	0.92	0.00	0.00	0.00	0.93
298	1	298	-3,041.90	-0.52	0.00	0.00	0.00	-0.93
		299	3,041.90	0.52	0.00	0.00	0.00	-0.12
299	1	299	-3,041.90	-0.24	0.00	0.00	0.00	0.12
		300	3,041.90	0.24	0.00	0.00	0.00	-0.59

# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
300	1	300	-3,041.90	-0.06	0.00	0.00	0.00	0.59
		301	3,041.90	0.06	0.00	0.00	0.00	-0.70
301	1	301	-3,041.90	0.04	0.00	0.00	0.00	0.70
		302	3,041.90	-0.04	0.00	0.00	0.00	-0.62
302	1	302	-3,041.90	0.08	0.00	0.00	0.00	0.62
		303	3,041.90	-0.08	0.00	0.00	0.00	-0.47
303	1	303	-3,041.90	0.08	0.00	0.00	0.00	0.47
		304	3,041.90	-0.08	0.00	0.00	0.00	-0.30
304	1	304	-3,041.90	0.07	0.00	0.00	0.00	0.30
		305	3,041.90	-0.07	0.00	0.00	0.00	-0.17
305	1	305	-3,041.90	0.05	0.00	0.00	0.00	0.17
		306	3,041.90	-0.05	0.00	0.00	0.00	-0.06
306	1	306	-3,041.90	0.04	0.00	0.00	0.00	0.06
		307	3,041.90	-0.04	0.00	0.00	0.00	0.02
307	1	307	-3,041.90	0.04	0.00	0.00	0.00	-0.02
		308	3,041.90	-0.04	0.00	0.00	0.00	0.09
308	1	308	-3,041.90	0.03	0.00	0.00	0.00	-0.09
		309	3,041.90	-0.03	0.00	0.00	0.00	0.14
310	1	310	2,943.43	602.92	0.00	0.00	0.00	8,663.26
		311	-2,943.43	-602.92	0.00	0.00	0.00	-3,221.99
311	1	311	2,943.43	602.92	0.00	0.00	0.00	3,221.99
		312	-2,943.43	-602.92	0.00	0.00	0.00	5,854.23
312	1	312	2,943.43	433.47	0.00	0.00	0.00	-5,854.05
		314	-2,943.43	-433.47	0.00	0.00	0.00	6,506.92
313	1	314	2,943.41	166.61	0.00	0.00	0.00	-6,506.68
		315	-2,943.41	-166.61	0.00	0.00	0.00	6,758.62
314	1	315	2,943.45	-36.35	0.00	0.00	0.00	-6,758.81
		316	-2,943.45	36.35	0.00	0.00	0.00	6,706.13
315	1	316	2,943.41	-184.16	0.00	0.00	0.00	-6,706.24
		317	-2,943.41	184.16	0.00	0.00	0.00	6,431.56
316	1	317	2,943.43	-286.44	0.00	0.00	0.00	-6,431.50
		318	-2,943.43	286.44	0.00	0.00	0.00	6,003.08
317	1	318	2,943.44	-370.79	0.00	0.00	0.00	-6,003.07
		319	-2,943.44	370.79	0.00	0.00	0.00	5,447.86
318	1	319	2,943.44	-497.82	0.00	0.00	0.00	-5,447.86
		320	-2,943.44	497.82	0.00	0.00	0.00	4,701.86
319	1	320	2,943.43	-551.06	0.00	0.00	0.00	-4,701.86
		321	-2,943.43	551.06	0.00	0.00	0.00	3,875.77
320	1	321	2,943.45	-553.32	0.00	0.00	0.00	-3,875.77
		322	-2,943.45	553.32	0.00	0.00	0.00	3,046.12
321	1	322	2,943.42	-512.56	0.00	0.00	0.00	-3,046.11
		323	-2,943.42	512.56	0.00	0.00	0.00	2,277.45
322	1	323	2,943.43	-447.61	0.00	0.00	0.00	-2,277.44
		324	-2,943.43	447.61	0.00	0.00	0.00	1,606.09
323	1	324	2,943.41	-372.56	0.00	0.00	0.00	-1,606.08
		325	-2,943.41	372.56	0.00	0.00	0.00	1,047.23

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## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
324	1	325	2,943.44	-297.40	0.00	0.00	0.00	-1,047.23
		326	-2,943.44	297.40	0.00	0.00	0.00	601.07
325	1	326	2,943.46	-228.70	0.00	0.00	0.00	-601.08
		327	-2,943.46	228.70	0.00	0.00	0.00	257.96
326	1	327	2,943.42	-170.23	0.00	0.00	0.00	-257.96
		328	-2,943.42	170.23	0.00	0.00	0.00	2.54
327	1	328	2,943.44	-123.67	0.00	0.00	0.00	-2.54
		329	-2,943.44	123.67	0.00	0.00	0.00	-183.06
328	1	329	2,943.42	-77.65	0.00	0.00	0.00	183.06
		330	-2,943.42	77.65	0.00	0.00	0.00	-299.61
329	1	330	2,943.44	-46.23	0.00	0.00	0.00	299.62
		331	-2,943.44	46.23	0.00	0.00	0.00	-369.02
330	1	331	2,943.44	11.01	0.00	0.00	0.00	369.03
		313	-2,943.44	-11.01	0.00	0.00	0.00	-352.56
331	1	313	2,943.43	40.54	0.00	0.00	0.00	352.56
		333	-2,943.43	-40.54	0.00	0.00	0.00	-271.52
332	1	333	2,943.43	46.02	0.00	0.00	0.00	271.52
		334	-2,943.43	-46.02	0.00	0.00	0.00	-179.50
333	1	334	2,943.43	39.15	0.00	0.00	0.00	179.50
		335	-2,943.43	-39.15	0.00	0.00	0.00	-101.21
334	1	335	2,943.42	27.82	0.00	0.00	0.00	101.21
		336	-2,943.42	-27.82	0.00	0.00	0.00	-45.57
335	1	336	2,943.43	17.54	0.00	0.00	0.00	45.57
		337	-2,943.43	-17.54	0.00	0.00	0.00	-10.49
336	1	337	2,943.43	9.30	0.00	0.00	0.00	10.49
		338	-2,943.43	-9.30	0.00	0.00	0.00	8.11
337	1	338	2,943.43	3.60	0.00	0.00	0.00	-8.11
		339	-2,943.43	-3.60	0.00	0.00	0.00	15.32
338	1	339	2,943.43	0.22	0.00	0.00	0.00	-15.32
		340	-2,943.43	-0.22	0.00	0.00	0.00	15.76
339	1	340	2,943.43	-1.42	0.00	0.00	0.00	-15.76
		341	-2,943.43	1.42	0.00	0.00	0.00	12.92
340	1	341	2,943.43	-1.92	0.00	0.00	0.00	-12.92
		342	-2,943.43	1.92	0.00	0.00	0.00	9.08
341	1	342	2,943.43	-1.79	0.00	0.00	0.00	-9.08
		343	-2,943.43	1.79	0.00	0.00	0.00	5.50
342	1	343	2,943.43	-1.38	0.00	0.00	0.00	-5.50
		344	-2,943.43	1.38	0.00	0.00	0.00	2.75
343	1	344	2,943.43	-0.92	0.00	0.00	0.00	-2.75
		345	-2,943.43	0.92	0.00	0.00	0.00	0.92
344	1	345	2,943.43	-0.52	0.00	0.00	0.00	-0.92
		346	-2,943.43	0.52	0.00	0.00	0.00	-0.12
345	1	346	2,943.43	-0.24	0.00	0.00	0.00	0.12
		347	-2,943.43	0.24	0.00	0.00	0.00	-0.59
346	1	347	2,943.43	-0.05	0.00	0.00	0.00	0.59
		348	-2,943.43	0.05	0.00	0.00	0.00	-0.70

# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
347	1	348	2,943.43	0.04	0.00	0.00	0.00	0.70
		349	-2,943.43	-0.04	0.00	0.00	0.00	-0.62
348	1	349	2,943.43	0.08	0.00	0.00	0.00	0.62
		350	-2,943.43	-0.08	0.00	0.00	0.00	-0.47
349	1	350	2,943.43	0.08	0.00	0.00	0.00	0.47
		351	-2,943.43	-0.08	0.00	0.00	0.00	-0.30
350	1	351	2,943.43	0.07	0.00	0.00	0.00	0.30
		352	-2,943.43	-0.07	0.00	0.00	0.00	-0.17
351	1	352	2,943.43	0.05	0.00	0.00	0.00	0.17
		353	-2,943.43	-0.05	0.00	0.00	0.00	-0.06
352	1	353	2,943.43	0.04	0.00	0.00	0.00	0.06
		354	-2,943.43	-0.04	0.00	0.00	0.00	0.02
353	1	354	2,943.43	0.03	0.00	0.00	0.00	-0.02
		332	-2,943.43	-0.03	0.00	0.00	0.00	0.09
354	1	332	2,943.43	0.03	0.00	0.00	0.00	-0.09
		355	-2,943.43	-0.03	0.00	0.00	0.00	0.14
356	1	356	-1,702.79	357.66	0.00	0.00	0.00	5,120.95
		357	1,702.79	-357.66	0.00	0.00	0.00	-1,907.07
357	1	357	-1,702.79	357.66	0.00	0.00	0.00	1,907.08
		358	1,702.79	-357.66	0.00	0.00	0.00	3,446.83
358	1	358	-1,702.80	257.53	0.00	0.00	0.00	-3,446.85
		360	1,702.80	-257.53	0.00	0.00	0.00	3,832.30
359	1	360	-1,702.80	100.09	0.00	0.00	0.00	-3,832.30
		361	1,702.80	-100.09	0.00	0.00	0.00	3,981.84
360	1	361	-1,702.79	-19.60	0.00	0.00	0.00	-3,981.80
		362	1,702.79	19.60	0.00	0.00	0.00	3,951.73
361	1	362	-1,702.79	-106.99	0.00	0.00	0.00	-3,951.71
		363	1,702.79	106.99	0.00	0.00	0.00	3,790.65
362	1	363	-1,702.80	-167.49	0.00	0.00	0.00	-3,790.66
		364	1,702.80	167.49	0.00	0.00	0.00	3,539.00
363	1	364	-1,702.79	-217.35	0.00	0.00	0.00	-3,539.00
		365	1,702.79	217.35	0.00	0.00	0.00	3,212.64
364	1	365	-1,702.79	-292.61	0.00	0.00	0.00	-3,212.63
		366	1,702.79	292.61	0.00	0.00	0.00	2,773.47
365	1	366	-1,702.79	-324.29	0.00	0.00	0.00	-2,773.48
		367	1,702.79	324.29	0.00	0.00	0.00	2,286.87
366	1	367	-1,702.78	-325.90	0.00	0.00	0.00	-2,286.87
		368	1,702.78	325.90	0.00	0.00	0.00	1,797.90
367	1	368	-1,702.79	-302.09	0.00	0.00	0.00	-1,797.90
		369	1,702.79	302.09	0.00	0.00	0.00	1,344.71
368	1	369	-1,702.79	-263.94	0.00	0.00	0.00	-1,344.71
		370	1,702.79	263.94	0.00	0.00	0.00	948.77
369	1	370	-1,702.79	-219.79	0.00	0.00	0.00	-948.78
		371	1,702.79	219.79	0.00	0.00	0.00	619.09
370	1	371	-1,702.79	-175.53	0.00	0.00	0.00	-619.09
		372	1,702.79	175.53	0.00	0.00	0.00	355.81

# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
371	1	372	-1,702.78	-135.05	0.00	0.00	0.00	-355.81
		373	1,702.78	135.05	0.00	0.00	0.00	153.27
372	1	373	-1,702.80	-100.58	0.00	0.00	0.00	-153.27
		374	1,702.80	100.58	0.00	0.00	0.00	2.43
373	1	374	-1,702.79	-73.14	0.00	0.00	0.00	-2.43
		375	1,702.79	73.14	0.00	0.00	0.00	-107.24
374	1	375	-1,702.79	-45.98	0.00	0.00	0.00	107.24
		376	1,702.79	45.98	0.00	0.00	0.00	-176.19
375	1	376	-1,702.79	-27.44	0.00	0.00	0.00	176.19
		377	1,702.79	27.44	0.00	0.00	0.00	-217.32
376	1	377	-1,702.79	6.36	0.00	0.00	0.00	217.32
		359	1,702.79	-6.36	0.00	0.00	0.00	-207.76
377	1	359	-1,702.78	23.83	0.00	0.00	0.00	207.76
		379	1,702.78	-23.83	0.00	0.00	0.00	-160.08
378	1	379	-1,702.78	27.10	0.00	0.00	0.00	160.08
		380	1,702.78	-27.10	0.00	0.00	0.00	-105.88
379	1	380	-1,702.79	23.07	0.00	0.00	0.00	105.88
		381	1,702.79	-23.07	0.00	0.00	0.00	-59.74
380	1	381	-1,702.79	16.40	0.00	0.00	0.00	59.74
		382	1,702.79	-16.40	0.00	0.00	0.00	-26.93
381	1	382	-1,702.79	10.35	0.00	0.00	0.00	26.93
		383	1,702.79	-10.35	0.00	0.00	0.00	-6.23
382	1	383	-1,702.79	5.49	0.00	0.00	0.00	6.23
		384	1,702.79	-5.49	0.00	0.00	0.00	4.74
383	1	384	-1,702.79	2.13	0.00	0.00	0.00	-4.74
		385	1,702.79	-2.13	0.00	0.00	0.00	9.01
384	1	385	-1,702.79	0.14	0.00	0.00	0.00	-9.01
		386	1,702.79	-0.14	0.00	0.00	0.00	9.28
385	1	386	-1,702.79	-0.83	0.00	0.00	0.00	-9.28
		387	1,702.79	0.83	0.00	0.00	0.00	7.61
386	1	387	-1,702.79	-1.13	0.00	0.00	0.00	-7.61
		388	1,702.79	1.13	0.00	0.00	0.00	5.35
387	1	388	-1,702.79	-1.05	0.00	0.00	0.00	-5.35
		389	1,702.79	1.05	0.00	0.00	0.00	3.25
388	1	389	-1,702.79	-0.81	0.00	0.00	0.00	-3.25
		390	1,702.79	0.81	0.00	0.00	0.00	1.63
389	1	390	-1,702.79	-0.54	0.00	0.00	0.00	-1.63
		391	1,702.79	0.54	0.00	0.00	0.00	0.55
390	1	391	-1,702.79	-0.31	0.00	0.00	0.00	-0.55
		392	1,702.79	0.31	0.00	0.00	0.00	-0.07
391	1	392	-1,702.79	-0.14	0.00	0.00	0.00	0.07
		393	1,702.79	0.14	0.00	0.00	0.00	-0.35
392	1	393	-1,702.79	-0.03	0.00	0.00	0.00	0.35
		394	1,702.79	0.03	0.00	0.00	0.00	-0.41
393	1	394	-1,702.79	0.02	0.00	0.00	0.00	0.41
		395	1,702.79	-0.02	0.00	0.00	0.00	-0.37

# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
394	1	395	-1,702.79	0.05	0.00	0.00	0.00	0.37
		396	1,702.79	-0.05	0.00	0.00	0.00	-0.28
395	1	396	-1,702.79	0.05	0.00	0.00	0.00	0.28
		397	1,702.79	-0.05	0.00	0.00	0.00	-0.18
396	1	397	-1,702.79	0.04	0.00	0.00	0.00	0.18
		398	1,702.79	-0.04	0.00	0.00	0.00	-0.10
397	1	398	-1,702.79	0.03	0.00	0.00	0.00	0.10
		399	1,702.79	-0.03	0.00	0.00	0.00	-0.03
398	1	399	-1,702.79	0.02	0.00	0.00	0.00	0.03
		400	1,702.79	-0.02	0.00	0.00	0.00	0.01
399	1	400	-1,702.79	0.02	0.00	0.00	0.00	-0.01
		378	1,702.79	-0.02	0.00	0.00	0.00	0.06
400	1	378	-1,702.79	0.02	0.00	0.00	0.00	-0.06
		401	1,702.79	-0.02	0.00	0.00	0.00	0.09
402	1	402	1,748.10	357.96	0.00	0.00	0.00	5,156.05
		403	-1,748.10	-357.96	0.00	0.00	0.00	-1,929.16
403	1	403	1,748.11	357.96	0.00	0.00	0.00	1,929.16
		404	-1,748.11	-357.96	0.00	0.00	0.00	3,451.66
404	1	404	1,748.11	257.43	0.00	0.00	0.00	-3,451.77
		406	-1,748.11	-257.43	0.00	0.00	0.00	3,838.85
405	1	406	1,748.10	99.89	0.00	0.00	0.00	-3,838.95
		407	-1,748.10	-99.89	0.00	0.00	0.00	3,989.63
406	1	407	1,748.12	-20.07	0.00	0.00	0.00	-3,989.52
		408	-1,748.12	20.07	0.00	0.00	0.00	3,960.07
407	1	408	1,748.11	-107.66	0.00	0.00	0.00	-3,960.04
		409	-1,748.11	107.66	0.00	0.00	0.00	3,799.06
408	1	409	1,748.10	-168.30	0.00	0.00	0.00	-3,799.07
		410	-1,748.10	168.30	0.00	0.00	0.00	3,547.07
409	1	410	1,748.11	-218.23	0.00	0.00	0.00	-3,547.10
		411	-1,748.11	218.23	0.00	0.00	0.00	3,220.08
410	1	411	1,748.10	-293.60	0.00	0.00	0.00	-3,220.09
		412	-1,748.10	293.60	0.00	0.00	0.00	2,779.95
411	1	412	1,748.10	-325.29	0.00	0.00	0.00	-2,779.96
		413	-1,748.10	325.29	0.00	0.00	0.00	2,292.21
412	1	413	1,748.10	-326.83	0.00	0.00	0.00	-2,292.21
		414	-1,748.10	326.83	0.00	0.00	0.00	1,802.08
413	1	414	1,748.09	-302.90	0.00	0.00	0.00	-1,802.08
		415	-1,748.09	302.90	0.00	0.00	0.00	1,347.79
414	1	415	1,748.09	-264.62	0.00	0.00	0.00	-1,347.78
		416	-1,748.09	264.62	0.00	0.00	0.00	950.88
415	1	416	1,748.11	-220.33	0.00	0.00	0.00	-950.89
		417	-1,748.11	220.33	0.00	0.00	0.00	620.39
416	1	417	1,748.10	-175.93	0.00	0.00	0.00	-620.38
		418	-1,748.10	175.93	0.00	0.00	0.00	356.47
417	1	418	1,748.10	-135.34	0.00	0.00	0.00	-356.47
		419	-1,748.10	135.34	0.00	0.00	0.00	153.43



# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
418	1	419	1,748.10	-100.78	0.00	0.00	0.00	-153.43
		420	-1,748.10	100.78	0.00	0.00	0.00	2.23
419	1	420	1,748.09	-73.26	0.00	0.00	0.00	-2.23
		421	-1,748.09	73.26	0.00	0.00	0.00	-107.69
420	1	421	1,748.10	-46.04	0.00	0.00	0.00	107.69
		422	-1,748.10	46.04	0.00	0.00	0.00	-176.78
421	1	422	1,748.10	-27.45	0.00	0.00	0.00	176.78
		423	-1,748.10	27.45	0.00	0.00	0.00	-217.98
422	1	423	1,748.10	6.43	0.00	0.00	0.00	217.98
		405	-1,748.10	-6.43	0.00	0.00	0.00	-208.35
423	1	405	1,748.10	23.92	0.00	0.00	0.00	208.35
		425	-1,748.10	-23.92	0.00	0.00	0.00	-160.53
424	1	425	1,748.11	27.19	0.00	0.00	0.00	160.53
		426	-1,748.11	-27.19	0.00	0.00	0.00	-106.16
425	1	426	1,748.10	23.14	0.00	0.00	0.00	106.16
		427	-1,748.10	-23.14	0.00	0.00	0.00	-59.89
426	1	427	1,748.10	16.45	0.00	0.00	0.00	59.89
		428	-1,748.10	-16.45	0.00	0.00	0.00	-26.99
427	1	428	1,748.10	10.38	0.00	0.00	0.00	26.99
		429	-1,748.10	-10.38	0.00	0.00	0.00	-6.24
428	1	429	1,748.10	5.50	0.00	0.00	0.00	6.24
		430	-1,748.10	-5.50	0.00	0.00	0.00	4.77
429	1	430	1,748.10	2.14	0.00	0.00	0.00	-4.77
		431	-1,748.10	-2.14	0.00	0.00	0.00	9.04
430	1	431	1,748.10	0.13	0.00	0.00	0.00	-9.04
		432	-1,748.10	-0.13	0.00	0.00	0.00	9.31
431	1	432	1,748.10	-0.84	0.00	0.00	0.00	-9.31
		433	-1,748.10	0.84	0.00	0.00	0.00	7.64
432	1	433	1,748.10	-1.13	0.00	0.00	0.00	-7.64
		434	-1,748.10	1.13	0.00	0.00	0.00	5.37
433	1	434	1,748.11	-1.05	0.00	0.00	0.00	-5.37
		435	-1,748.11	1.05	0.00	0.00	0.00	3.26
434	1	435	1,748.10	-0.81	0.00	0.00	0.00	-3.26
		436	-1,748.10	0.81	0.00	0.00	0.00	1.63
435	1	436	1,748.11	-0.54	0.00	0.00	0.00	-1.63
		437	-1,748.11	0.54	0.00	0.00	0.00	0.55
436	1	437	1,748.10	-0.31	0.00	0.00	0.00	-0.55
		438	-1,748.10	0.31	0.00	0.00	0.00	-0.07
437	1	438	1,748.10	-0.14	0.00	0.00	0.00	0.07
		439	-1,748.10	0.14	0.00	0.00	0.00	-0.35
438	1	439	1,748.10	-0.03	0.00	0.00	0.00	0.35
		440	-1,748.10	0.03	0.00	0.00	0.00	-0.42
439	1	440	1,748.11	0.02	0.00	0.00	0.00	0.42
		441	-1,748.11	-0.02	0.00	0.00	0.00	-0.37
440	1	441	1,748.10	0.05	0.00	0.00	0.00	0.37
		442	-1,748.10	-0.05	0.00	0.00	0.00	-0.28

# 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, 2009

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
441	1	442	1,748.10	0.05	0.00	0.00	0.00	0.28
		443	-1,748.10	-0.05	0.00	0.00	0.00	-0.18
442	1	443	1,748.10	0.04	0.00	0.00	0.00	0.18
		444	-1,748.10	-0.04	0.00	0.00	0.00	-0.10
443	1	444	1,748.10	0.03	0.00	0.00	0.00	0.10
		445	-1,748.10	-0.03	0.00	0.00	0.00	-0.03
444	1	445	1,748.10	0.02	0.00	0.00	0.00	0.03
		446	-1,748.10	-0.02	0.00	0.00	0.00	0.01
445	1	446	1,748.10	0.02	0.00	0.00	0.00	-0.01
		424	-1,748.10	-0.02	0.00	0.00	0.00	0.06
446	1	424	1,748.10	0.02	0.00	0.00	0.00	-0.06
		447	-1,748.10	-0.02	0.00	0.00	0.00	0.09
448	1	448	-531.47	94.56	0.00	0.00	0.00	1,323.55
		449	531.47	-94.56	0.00	0.00	0.00	-472.92
449	1	449	-531.47	94.56	0.00	0.00	0.00	472.92
		450	531.47	-94.56	0.00	0.00	0.00	944.61
450	1	450	-531.47	67.58	0.00	0.00	0.00	-944.63
		452	531.47	-67.58	0.00	0.00	0.00	1,045.92
451	1	452	-531.47	25.20	0.00	0.00	0.00	-1,045.95
		453	531.47	-25.20	0.00	0.00	0.00	1,083.70
452	1	453	-531.46	-6.96	0.00	0.00	0.00	-1,083.72
		454	531.46	6.96	0.00	0.00	0.00	1,073.23
453	1	454	-531.47	-30.39	0.00	0.00	0.00	-1,073.22
		455	531.47	30.39	0.00	0.00	0.00	1,027.61
454	1	455	-531.47	-46.58	0.00	0.00	0.00	-1,027.59
		456	531.47	46.58	0.00	0.00	0.00	957.68
455	1	456	-531.47	-59.89	0.00	0.00	0.00	-957.68
		457	531.47	59.89	0.00	0.00	0.00	867.82
456	1	457	-531.47	-79.85	0.00	0.00	0.00	-867.82
		458	531.47	79.85	0.00	0.00	0.00	748.02
457	1	458	-531.47	-88.13	0.00	0.00	0.00	-748.02
		459	531.47	88.13	0.00	0.00	0.00	615.82
458	1	459	-531.47	-88.28	0.00	0.00	0.00	-615.82
		460	531.47	88.28	0.00	0.00	0.00	483.39
459	1	460	-531.47	-81.65	0.00	0.00	0.00	-483.39
		461	531.47	81.65	0.00	0.00	0.00	360.92
460	1	461	-531.47	-71.21	0.00	0.00	0.00	-360.92
		462	531.47	71.21	0.00	0.00	0.00	254.10
461	1	462	-531.47	-59.20	0.00	0.00	0.00	-254.10
		463	531.47	59.20	0.00	0.00	0.00	165.30
462	1	463	-531.47	-47.20	0.00	0.00	0.00	-165.30
		464	531.47	47.20	0.00	0.00	0.00	94.50
463	1	464	-531.47	-36.26	0.00	0.00	0.00	-94.50
		465	531.47	36.26	0.00	0.00	0.00	40.12
464	1	465	-531.47	-26.95	0.00	0.00	0.00	-40.12
		466	531.47	26.95	0.00	0.00	0.00	-0.30

# 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
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## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
465	1	466	-531.47	-19.55	0.00	0.00	0.00	0.30
		467	531.47	19.55	0.00	0.00	0.00	-29.62
466	1	467	-531.47	-12.24	0.00	0.00	0.00	29.62
		468	531.47	12.24	0.00	0.00	0.00	-47.97
467	1	468	-531.47	-7.25	0.00	0.00	0.00	47.97
		469	531.47	7.25	0.00	0.00	0.00	-58.85
468	1	469	-531.47	1.82	0.00	0.00	0.00	58.85
		451	531.47	-1.82	0.00	0.00	0.00	-56.13
469	1	451	-531.47	6.48	0.00	0.00	0.00	56.13
		471	531.47	-6.48	0.00	0.00	0.00	-43.16
470	1	471	-531.47	7.33	0.00	0.00	0.00	43.16
		472	531.47	-7.33	0.00	0.00	0.00	-28.50
471	1	472	-531.47	6.23	0.00	0.00	0.00	28.50
		473	531.47	-6.23	0.00	0.00	0.00	-16.04
472	1	473	-531.47	4.42	0.00	0.00	0.00	16.04
		474	531.47	-4.42	0.00	0.00	0.00	-7.20
473	1	474	-531.47	2.78	0.00	0.00	0.00	7.20
		475	531.47	-2.78	0.00	0.00	0.00	-1.64
474	1	475	-531.47	1.47	0.00	0.00	0.00	1.64
		476	531.47	-1.47	0.00	0.00	0.00	1.31
475	1	476	-531.47	0.57	0.00	0.00	0.00	-1.31
		477	531.47	-0.57	0.00	0.00	0.00	2.45
476	1	477	-531.47	0.03	0.00	0.00	0.00	-2.45
		478	531.47	-0.03	0.00	0.00	0.00	2.51
477	1	478	-531.47	-0.23	0.00	0.00	0.00	-2.51
		479	531.47	0.23	0.00	0.00	0.00	2.05
478	1	479	-531.47	-0.31	0.00	0.00	0.00	-2.05
		480	531.47	0.31	0.00	0.00	0.00	1.44
479	1	480	-531.47	-0.28	0.00	0.00	0.00	-1.44
		481	531.47	0.28	0.00	0.00	0.00	0.87
480	1	481	-531.47	-0.22	0.00	0.00	0.00	-0.87
		482	531.47	0.22	0.00	0.00	0.00	0.44
481	1	482	-531.47	-0.15	0.00	0.00	0.00	-0.44
		483	531.47	0.15	0.00	0.00	0.00	0.15
482	1	483	-531.47	-0.08	0.00	0.00	0.00	-0.15
		484	531.47	0.08	0.00	0.00	0.00	-0.02
483	1	484	-531.47	-0.04	0.00	0.00	0.00	0.02
		485	531.47	0.04	0.00	0.00	0.00	-0.09
484	1	485	-531.47	-0.01	0.00	0.00	0.00	0.09
		486	531.47	0.01	0.00	0.00	0.00	-0.11
485	1	486	-531.47	0.01	0.00	0.00	0.00	0.11
		487	531.47	-0.01	0.00	0.00	0.00	-0.10
486	1	487	-531.47	0.01	0.00	0.00	0.00	0.10
		488	531.47	-0.01	0.00	0.00	0.00	-0.07
487	1	488	-531.47	0.01	0.00	0.00	0.00	0.07
		489	531.47	-0.01	0.00	0.00	0.00	-0.05

# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
488	1	489	-531.47	0.01	0.00	0.00	0.00	0.05
		490	531.47	-0.01	0.00	0.00	0.00	-0.03
489	1	490	-531.47	0.01	0.00	0.00	0.00	0.03
		491	531.47	-0.01	0.00	0.00	0.00	-0.01
490	1	491	-531.47	0.01	0.00	0.00	0.00	0.01
		492	531.47	-0.01	0.00	0.00	0.00	0.00
491	1	492	-531.47	0.01	0.00	0.00	0.00	0.00
		470	531.47	-0.01	0.00	0.00	0.00	0.02
492	1	470	-531.47	0.01	0.00	0.00	0.00	-0.02
		493	531.47	-0.01	0.00	0.00	0.00	0.02
494	1	494	661.60	98.91	0.00	0.00	0.00	1,423.08
		495	-661.60	-98.91	0.00	0.00	0.00	-532.31
495	1	495	661.60	98.91	0.00	0.00	0.00	532.31
		496	-661.60	-98.91	0.00	0.00	0.00	952.59
496	1	496	661.60	71.19	0.00	0.00	0.00	-952.58
		498	-661.60	-71.19	0.00	0.00	0.00	1,059.51
497	1	498	661.60	27.69	0.00	0.00	0.00	-1,059.48
		499	-661.60	-27.69	0.00	0.00	0.00	1,101.11
498	1	499	661.60	-5.50	0.00	0.00	0.00	-1,101.11
		500	-661.60	5.50	0.00	0.00	0.00	1,092.94
499	1	500	661.60	-29.65	0.00	0.00	0.00	-1,092.97
		501	-661.60	29.65	0.00	0.00	0.00	1,048.54
500	1	501	661.60	-46.37	0.00	0.00	0.00	-1,048.55
		502	-661.60	46.37	0.00	0.00	0.00	979.04
501	1	502	661.61	-60.17	0.00	0.00	0.00	-979.04
		503	-661.61	60.17	0.00	0.00	0.00	888.81
502	1	503	661.60	-80.98	0.00	0.00	0.00	-888.82
		504	-661.60	80.98	0.00	0.00	0.00	767.36
503	1	504	661.60	-89.75	0.00	0.00	0.00	-767.37
		505	-661.60	89.75	0.00	0.00	0.00	632.76
504	1	505	661.60	-90.19	0.00	0.00	0.00	-632.76
		506	-661.60	90.19	0.00	0.00	0.00	497.49
505	1	506	661.60	-83.60	0.00	0.00	0.00	-497.49
		507	-661.60	83.60	0.00	0.00	0.00	372.10
506	1	507	661.60	-73.04	0.00	0.00	0.00	-372.09
		508	-661.60	73.04	0.00	0.00	0.00	262.54
507	1	508	661.60	-60.82	0.00	0.00	0.00	-262.54
		509	-661.60	60.82	0.00	0.00	0.00	171.31
508	1	509	661.60	-48.57	0.00	0.00	0.00	-171.31
		510	-661.60	48.57	0.00	0.00	0.00	98.46
509	1	510	661.60	-37.36	0.00	0.00	0.00	-98.46
		511	-661.60	37.36	0.00	0.00	0.00	42.41
510	1	511	661.60	-27.83	0.00	0.00	0.00	-42.41
		512	-661.60	27.83	0.00	0.00	0.00	0.66
511	1	512	661.60	-20.23	0.00	0.00	0.00	-0.66
		513	-661.60	20.23	0.00	0.00	0.00	-29.69

# 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

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
512	1	513	661.60	-12.72	0.00	0.00	0.00	29.69
		514	-661.60	12.72	0.00	0.00	0.00	-48.77
513	1	514	661.60	-7.59	0.00	0.00	0.00	48.77
		515	-661.60	7.59	0.00	0.00	0.00	-60.15
514	1	515	661.60	1.77	0.00	0.00	0.00	60.15
		497	-661.60	-1.77	0.00	0.00	0.00	-57.50
515	1	497	661.60	6.60	0.00	0.00	0.00	57.50
		517	-661.60	-6.60	0.00	0.00	0.00	-44.31
516	1	517	661.60	7.50	0.00	0.00	0.00	44.31
		518	-661.60	-7.50	0.00	0.00	0.00	-29.30
517	1	518	661.60	6.39	0.00	0.00	0.00	29.30
		519	-661.60	-6.39	0.00	0.00	0.00	-16.53
518	1	519	661.60	4.54	0.00	0.00	0.00	16.53
		520	-661.60	-4.54	0.00	0.00	0.00	-7.45
519	1	520	661.60	2.86	0.00	0.00	0.00	7.45
		521	-661.60	-2.86	0.00	0.00	0.00	-1.72
520	1	521	661.60	1.52	0.00	0.00	0.00	1.72
		522	-661.60	-1.52	0.00	0.00	0.00	1.31
521	1	522	661.60	0.59	0.00	0.00	0.00	-1.31
		523	-661.60	-0.59	0.00	0.00	0.00	2.49
522	1	523	661.60	0.04	0.00	0.00	0.00	-2.49
		524	-661.60	-0.04	0.00	0.00	0.00	2.57
523	1	524	661.60	-0.23	0.00	0.00	0.00	-2.57
		525	-661.60	0.23	0.00	0.00	0.00	2.11
524	1	525	661.60	-0.31	0.00	0.00	0.00	-2.11
		526	-661.60	0.31	0.00	0.00	0.00	1.48
525	1	526	661.60	-0.29	0.00	0.00	0.00	-1.48
		527	-661.60	0.29	0.00	0.00	0.00	0.90
526	1	527	661.60	-0.22	0.00	0.00	0.00	-0.90
		528	-661.60	0.22	0.00	0.00	0.00	0.45
527	1	528	661.60	-0.15	0.00	0.00	0.00	-0.45
		529	-661.60	0.15	0.00	0.00	0.00	0.15
528	1	529	661.60	-0.09	0.00	0.00	0.00	-0.15
		530	-661.60	0.09	0.00	0.00	0.00	-0.02
529	1	530	661.60	-0.04	0.00	0.00	0.00	0.02
		531	-661.60	0.04	0.00	0.00	0.00	-0.10
530	1	531	661.60	-0.01	0.00	0.00	0.00	0.10
		532	-661.60	0.01	0.00	0.00	0.00	-0.11
531	1	532	661.60	0.01	0.00	0.00	0.00	0.11
		533	-661.60	-0.01	0.00	0.00	0.00	-0.10
532	1	533	661.60	0.01	0.00	0.00	0.00	0.10
		534	-661.60	-0.01	0.00	0.00	0.00	-0.08
533	1	534	661.60	0.01	0.00	0.00	0.00	0.08
		535	-661.60	-0.01	0.00	0.00	0.00	-0.05
534	1	535	661.60	0.01	0.00	0.00	0.00	0.05
		536	-661.60	-0.01	0.00	0.00	0.00	-0.03

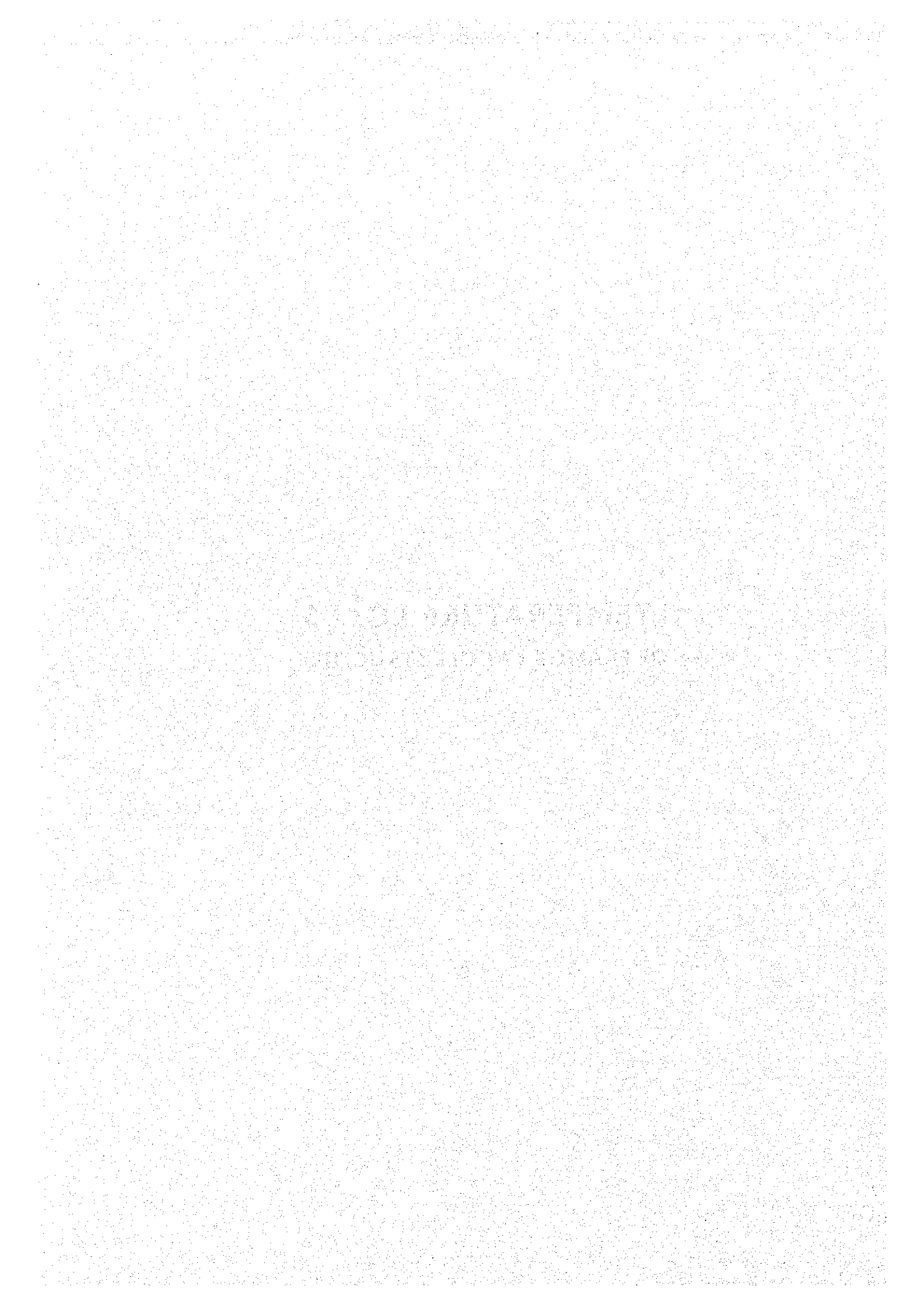
# THE STUDY ON THE CONSTRUCTION OF THE BRIDGE OVER THE RIVER RUPSA IN KHULNA, PHASE-2

Job No. : \_\_\_\_\_ Designed by : \_\_\_\_\_ Checked by : \_\_\_\_\_ Date : **January 23, 2006**

## SHRINKAGE LOAD

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
535	1	536	661.60	0.01	0.00	0.00	0.00	0.03
		537	-661.60	-0.01	0.00	0.00	0.00	-0.01
536	1	537	661.60	0.01	0.00	0.00	0.00	0.01
		538	-661.60	-0.01	0.00	0.00	0.00	0.00
537	1	538	661.60	0.01	0.00	0.00	0.00	0.00
		516	-661.60	-0.01	0.00	0.00	0.00	0.02
538	1	516	661.60	0.01	0.00	0.00	0.00	-0.02
		539	-661.60	-0.01	0.00	0.00	0.00	0.02

**TEMPERATURE LOADS  
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
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## TEMPERATURE LOADS

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

**Load 1      Temperature Fall**

1 to 202    TEMP -19

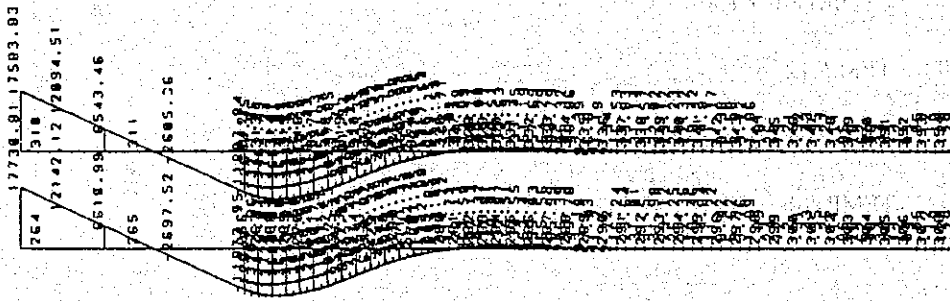
**Load 2      Temperature Rise**

1 to 202    TEMP 12

**Load 3      Diff'l Temperature @ Top and Bottom of Girder**

1 to 202    TEMP 10

MN/ELEM:  
MOMENT MZ LN= 1



STRUCTURE DATA

TYPE = SPACE

NJ = 815

NM = 814

NE = 0

NS = 0

NRJ = 530

NL = 3

XMAX = 640.0

YMAX = 127.4

ZMAX = .0

Maximum = 17730.81  
J=815, M=814

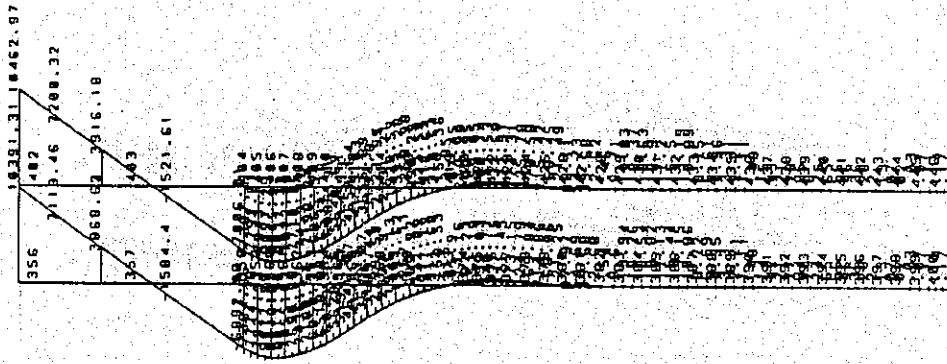
UNIT MET KNS

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

DATE: JAN 23, 2000

TITLE: RUPSA BRIDGE IN KHULNA

MN/ELEM  
MOMENT MZ LNE= 1



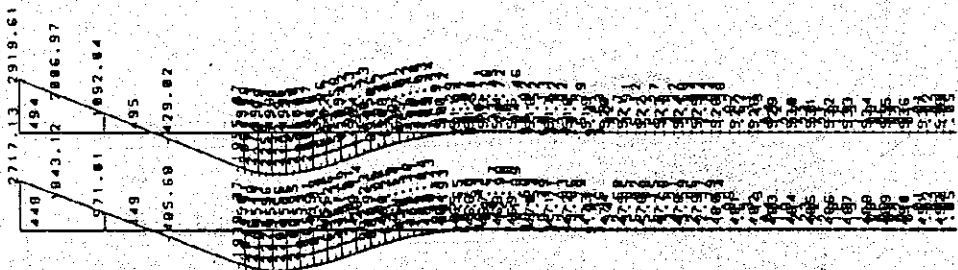
STRUCTURE DATA  
 TYPE = SPACE  
 NJ = 815  
 NM = 814  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 3  
 XMAX = 640.0  
 YMAX = 127.4  
 ZMAX = 0.0

Maximum = 10452.97  
 J=815, M=814

UNIT MET KNS

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

MN/ELEM  
MOMENT MZ LNE= 1



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= 2919.61  
 J=815,M=814

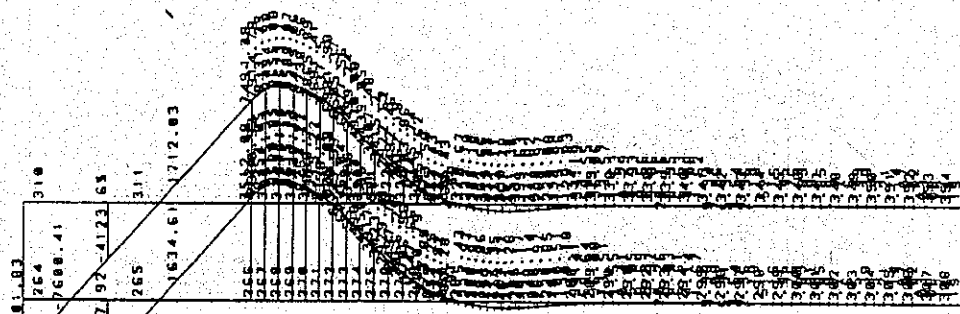
UNIT MET KNS

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

MN/ELEM  
MOMENT MZ LN= 2



STRUCTURE DATA

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

Maximum= 11200.30  
 J=815, M=814

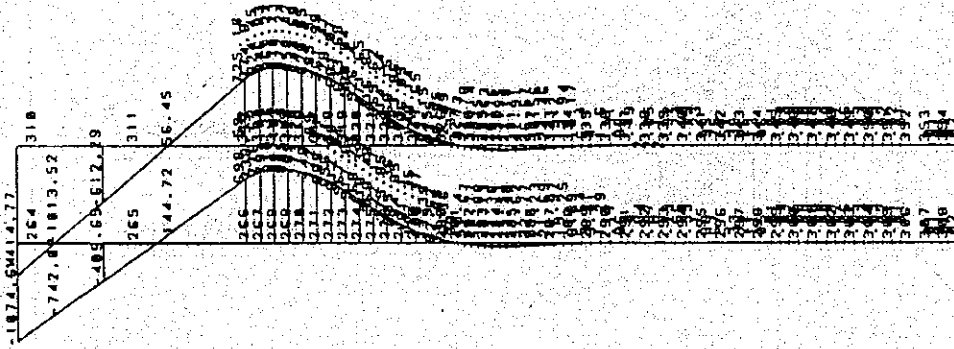
UNIT HET KNS

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

MN/ELEM  
MOMENT MZ LN= 3



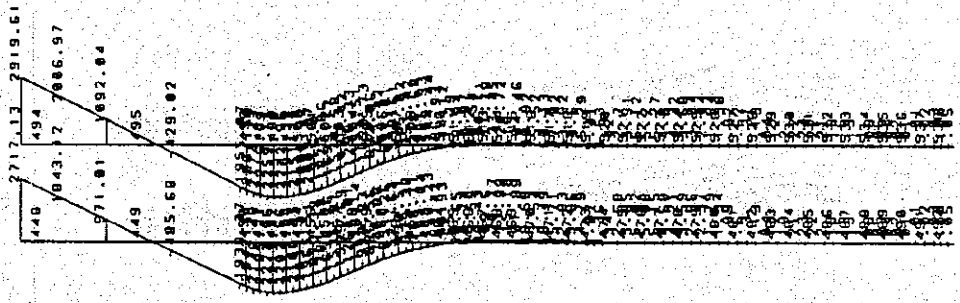
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 TYPE = SPACE  
 NJ = 815  
 NM = 014  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 3  
 XMAX = -640.0  
 YMAX = 127.4  
 ZMAX = .0

Maximum = 1414.77  
 J=815, M=014

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

MN/ELEM  
MOMENT MZ LNE 1



Maximum= 2919.61  
J=815, M=814

STRUCTURE DATA

TYPE = SPACE  
 NJ = 815  
 NM = 814  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 3  
 XMAX = 540.0  
 YMAX = 127.4  
 ZMAX = .0

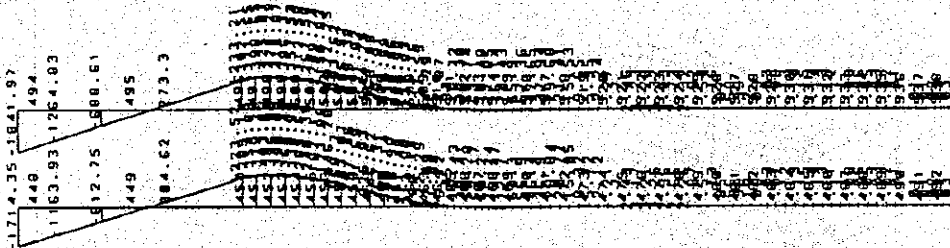
UNIT MET KNS

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

MN/ELEM  
MOMENT MZ LN= 2



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

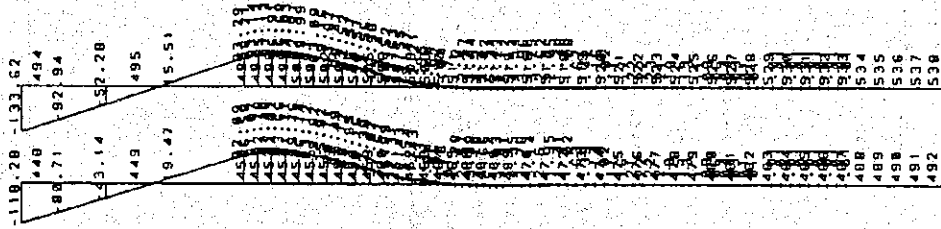
Maximum= 1841.97  
 J=815,M=814

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



MOHENT MZ LN= 3  
MN/ELEM



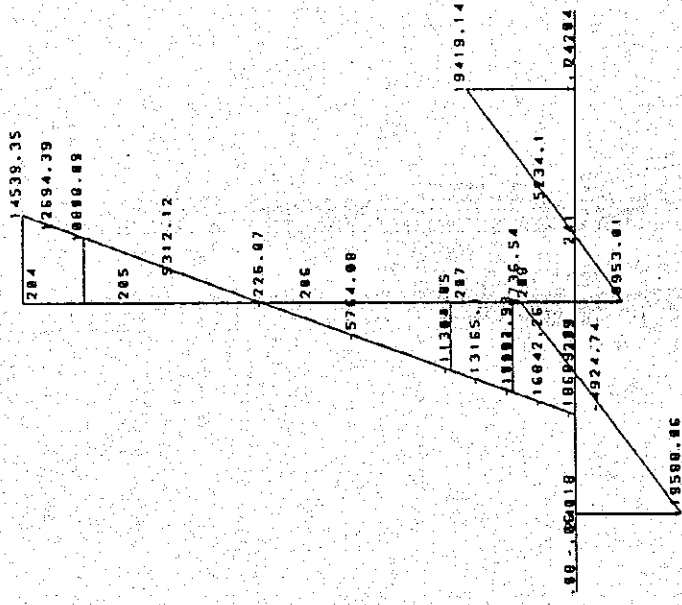
STRUCTURE DATA  
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 NJ = 815  
 NM = 814  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 3  
 XMAX = 540.0  
 YMAX = 127.4  
 ZMAX = .0

Maximum= 133.62  
 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 23, 2000

MN/ELEM  
MOMENT MZ LNE= 1



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= 19500.06  
 J=015, M=014

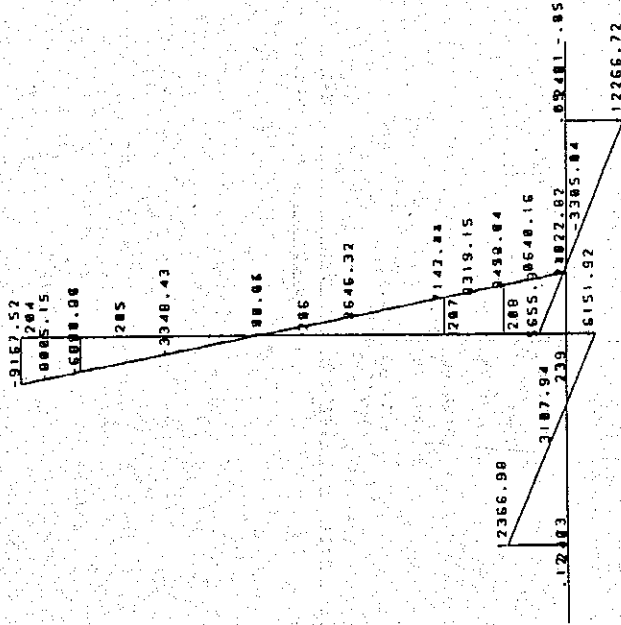
UNIT: MET, KNS

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

MN/ELEM  
MOMENT MZ LNE= 2

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= 12366.98  
 J=015, M=014

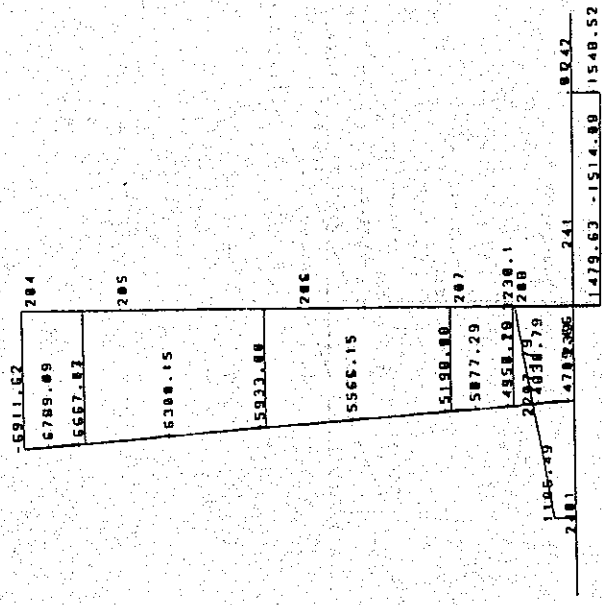
UNIT MET KNS

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

DATE: JAN 23, 2000

MN/ELEM  
MOMENT MZ LN= 3

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



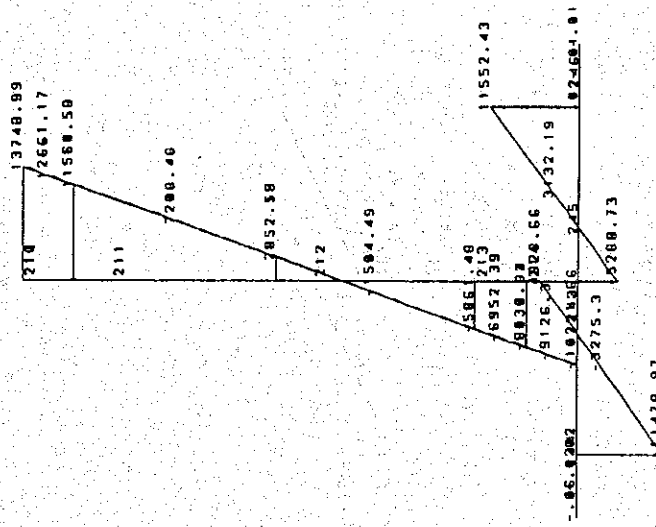
Maximum= 6911.62  
 J=815,M=814

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

MN/ELEM  
MOMENT MZ LNE= 1

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



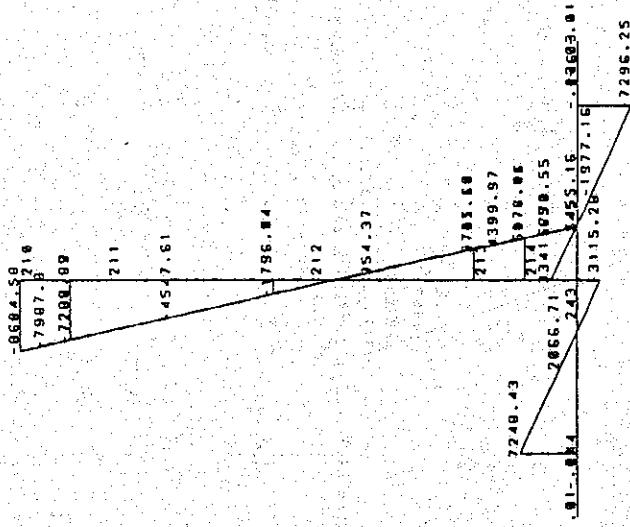
Maximum = 13748.99  
 J=815, M=814

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

MN/ELEM  
MOMENT MZ LNE= 2

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 = 8684.58  
 J=815, M=814

UNIT MET KNS

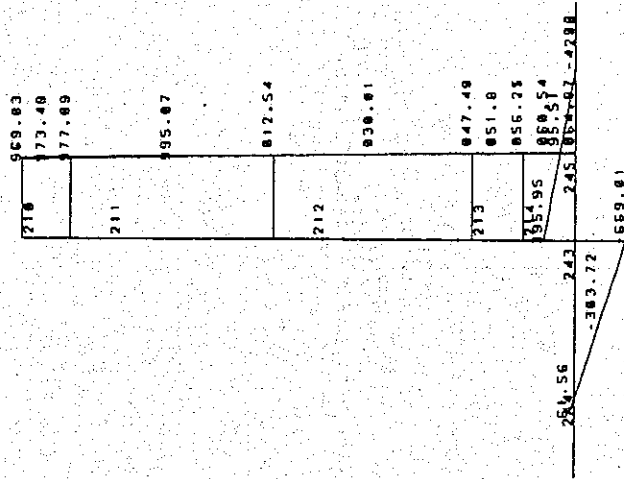
S T A A D P O S T - P L D T (REV: 22.3 )  
 TITLE: RUPSA BRIDGE IN KHULNA

DATE: JAN 23, 2000

MN/ELEM  
MOMENT MZ LN= 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



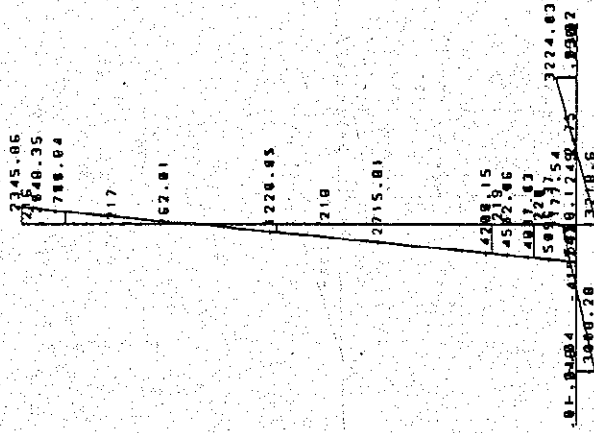
Maximum= 1064.97  
 J=B15,M=B14

UNIT MET KNS

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

DATE: JAN 23, 2000

MN/ELEM  
MOMENT MZ LN= 1



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

Maximum= 5398.10  
 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



MN/ELEM  
MOMENT MZ LN= 2

STRUCTURE DATA

TYPE = SPACE

NJ = 815

NM = 814

NE = 0

NS = 0

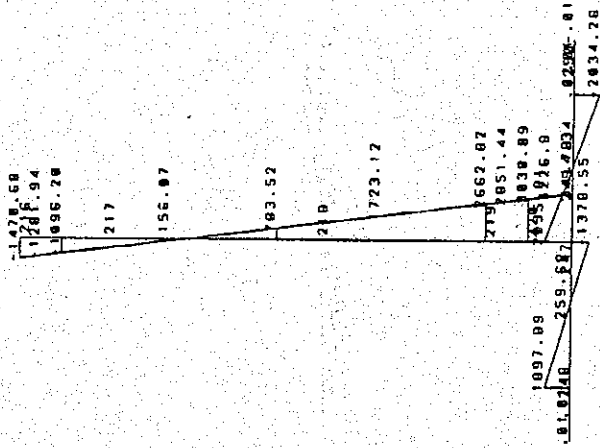
NRJ = 530

NL = 3

XMAX = 640.0

YMAX = 127.4

ZMAX = .0



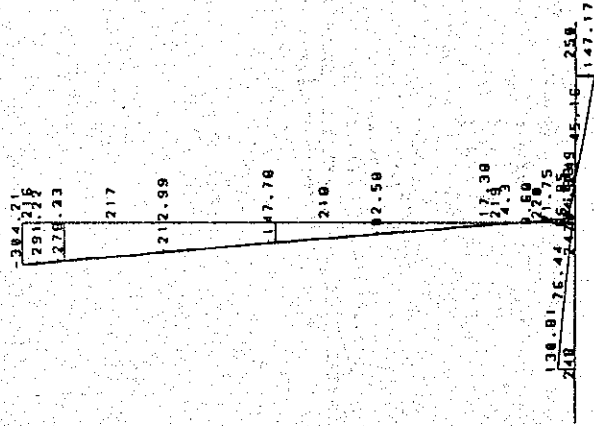
Maximum= 3414.34  
J=815,M=814

UNIT MET KNS

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

DATE: JAN 23, 2000

MN/ELEM  
MOMENT MZ LN= 3



STRUCTURE DATA  
 TYPE = SPACE  
 NJ = 815  
 NM = 814  
 NE = 0  
 NS = 0  
 NRJ = 530  
 NL = 3  
 XHAX = -640.0  
 YHAX = 127.4  
 ZHAX = .0

Maximum = 304.21  
 J=815, M=814

UNIT MET KNS

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

# 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

## TEMPERATURE LOADS

MEMB	LOAD	NODE	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
1	1	1	-4.24	-156.28	0.00	0.00	0.00	0.05
		2	4.24	156.28	0.00	0.00	0.00	-312.65
	2	1	3.31	98.74	0.00	0.00	0.00	-0.04
		2	-3.31	-98.74	0.00	0.00	0.00	197.53
	3	1	11.28	395.46	0.00	0.00	0.00	0.01
		2	-11.28	-395.46	0.00	0.00	0.00	791.17
2	1	2	-4.32	-156.27	0.00	0.00	0.00	312.64
		3	4.32	156.27	0.00	0.00	0.00	-937.96
	2	2	2.69	98.74	0.00	0.00	0.00	-197.56
		3	-2.69	-98.74	0.00	0.00	0.00	592.73
	3	2	11.86	395.43	0.00	0.00	0.00	-791.18
		3	-11.86	-395.43	0.00	0.00	0.00	2,373.60
3	1	3	-4.37	-156.26	0.00	0.00	0.00	937.98
		4	4.37	156.26	0.00	0.00	0.00	-1,563.25
	2	3	3.31	98.73	0.00	0.00	0.00	-592.73
		4	-3.31	-98.73	0.00	0.00	0.00	987.88
	3	3	11.87	395.43	0.00	0.00	0.00	-2,373.59
		4	-11.87	-395.43	0.00	0.00	0.00	3,956.00
4	1	4	-4.56	-156.27	0.00	0.00	0.00	1,563.22
		5	4.56	156.27	0.00	0.00	0.00	-2,188.59
	2	4	3.27	98.75	0.00	0.00	0.00	-987.86
		5	-3.27	-98.75	0.00	0.00	0.00	1,383.05
	3	4	11.87	395.41	0.00	0.00	0.00	-3,956.03
		5	-11.87	-395.41	0.00	0.00	0.00	5,538.38
5	1	5	-4.56	-156.25	0.00	0.00	0.00	2,188.58
		6	4.56	156.25	0.00	0.00	0.00	-2,813.85
	2	5	2.80	98.74	0.00	0.00	0.00	-1,383.02
		6	-2.80	-98.74	0.00	0.00	0.00	1,778.19
	3	5	11.86	395.45	0.00	0.00	0.00	-5,538.35
		6	-11.86	-395.45	0.00	0.00	0.00	7,120.88
6	1	6	-4.52	-156.26	0.00	0.00	0.00	2,813.85
		7	4.52	156.26	0.00	0.00	0.00	-3,439.14
	2	6	2.98	98.76	0.00	0.00	0.00	-1,778.16
		7	-2.98	-98.76	0.00	0.00	0.00	2,173.33
	3	6	11.87	395.38	0.00	0.00	0.00	-7,120.85
		7	-11.87	-395.38	0.00	0.00	0.00	8,703.25
7	1	7	-4.58	-156.28	0.00	0.00	0.00	3,439.13
		8	4.58	156.28	0.00	0.00	0.00	-3,986.26
	2	7	3.20	98.71	0.00	0.00	0.00	-2,173.34
		8	-3.20	-98.71	0.00	0.00	0.00	2,519.06
	3	7	11.86	395.44	0.00	0.00	0.00	-8,703.27
		8	-11.86	-395.44	0.00	0.00	0.00	10,087.87
8	1	8	-5.10	-156.24	0.00	0.00	0.00	3,986.35
		9	5.10	156.24	0.00	0.00	0.00	-4,533.40
	2	8	3.13	98.69	0.00	0.00	0.00	-2,519.13
		9	-3.13	-98.69	0.00	0.00	0.00	2,864.77
	3	8	11.87	395.41	0.00	0.00	0.00	-10,087.80
		9	-11.87	-395.41	0.00	0.00	0.00	11,472.50
9	1	9	-4.85	-156.22	0.00	0.00	0.00	4,533.44
		10	4.85	156.22	0.00	0.00	0.00	-5,080.59
	2	9	2.95	98.76	0.00	0.00	0.00	-2,864.83
		10	-2.95	-98.76	0.00	0.00	0.00	3,210.63
	3	9	11.86	395.38	0.00	0.00	0.00	-11,472.50
		10	-11.86	-395.38	0.00	0.00	0.00	12,857.10
10	1	10	-4.37	-156.29	0.00	0.00	0.00	5,080.59
		11	4.37	156.29	0.00	0.00	0.00	-5,627.72
	2	10	2.98	98.69	0.00	0.00	0.00	-3,210.62
		11	-2.98	-98.69	0.00	0.00	0.00	3,556.30
	3	10	11.86	395.43	0.00	0.00	0.00	-12,857.08
		11	-11.86	-395.43	0.00	0.00	0.00	14,241.73