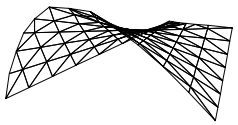

INDIAN DISTRIBUTOR
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Email:info@ramcadds.in
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*** For demonstration purposes only ***

Sg Sebiu Bridge Modelling (Modified)

Prepared by: Kenny

Date: 3/14/11

NODAL COORDINATE TABLE (units - meter)

NODE	X1	X2	X3
1	0.000	0.000	0.000
2	3.350	0.000	0.000
3	6.850	0.000	0.000
4	10.350	0.000	0.000
5	13.850	0.000	0.000
6	17.550	0.000	0.000
7	21.250	0.000	0.000
8	24.950	0.000	0.000
9	28.650	0.000	0.000
10	32.350	0.000	0.000
11	36.050	0.000	0.000
12	39.750	0.000	0.000
13	43.450	0.000	0.000
14	46.950	0.000	0.000
15	50.450	0.000	0.000
16	53.950	0.000	0.000
17	57.300	0.000	0.000
18	0.000	1.170	0.000
19	3.350	1.170	0.000
20	6.850	1.170	0.000
21	10.350	1.170	0.000
22	13.850	1.170	0.000
23	17.550	1.170	0.000
24	21.250	1.170	0.000
25	24.950	1.170	0.000
26	28.650	1.170	0.000
27	32.350	1.170	0.000
28	36.050	1.170	0.000
29	39.750	1.170	0.000
30	43.450	1.170	0.000
31	46.950	1.170	0.000
32	50.450	1.170	0.000
33	53.950	1.170	0.000
34	57.300	1.170	0.000
35	0.000	3.690	0.000
36	3.350	3.690	0.000
37	6.850	3.690	0.000
38	10.350	3.690	0.000
39	13.850	3.690	0.000
40	17.550	3.690	0.000
41	21.250	3.690	0.000
42	24.950	3.690	0.000
43	28.650	3.690	0.000
44	32.350	3.690	0.000
45	36.050	3.690	0.000
46	39.750	3.690	0.000
47	43.450	3.690	0.000
48	46.950	3.690	0.000
49	50.450	3.690	0.000
50	53.950	3.690	0.000
51	57.300	3.690	0.000
52	0.000	6.210	0.000
53	3.350	6.210	0.000

NODAL COORDINATE TABLE (units - meter)

NODE	X1	X2	X3
54	6.850	6.210	0.000
55	10.350	6.210	0.000
56	13.850	6.210	0.000
57	17.550	6.210	0.000
58	21.250	6.210	0.000
59	24.950	6.210	0.000
60	28.650	6.210	0.000
61	32.350	6.210	0.000
62	36.050	6.210	0.000
63	39.750	6.210	0.000
64	43.450	6.210	0.000
65	46.950	6.210	0.000
66	50.450	6.210	0.000
67	53.950	6.210	0.000
68	57.300	6.210	0.000
69	0.000	8.730	0.000
70	3.350	8.730	0.000
71	6.850	8.730	0.000
72	10.350	8.730	0.000
73	13.850	8.730	0.000
74	17.550	8.730	0.000
75	21.250	8.730	0.000
76	24.950	8.730	0.000
77	28.650	8.730	0.000
78	32.350	8.730	0.000
79	36.050	8.730	0.000
80	39.750	8.730	0.000
81	43.450	8.730	0.000
82	46.950	8.730	0.000
83	50.450	8.730	0.000
84	53.950	8.730	0.000
85	57.300	8.730	0.000
86	0.000	9.900	0.000
87	3.350	9.900	0.000
88	6.850	9.900	0.000
89	10.350	9.900	0.000
90	13.850	9.900	0.000
91	17.550	9.900	0.000
92	21.250	9.900	0.000
93	24.950	9.900	0.000
94	28.650	9.900	0.000
95	32.350	9.900	0.000
96	36.050	9.900	0.000
97	39.750	9.900	0.000
98	43.450	9.900	0.000
99	46.950	9.900	0.000
100	50.450	9.900	0.000
101	53.950	9.900	0.000
102	57.300	9.900	0.000

*** For demonstration purposes only ***

Sg Sebiu Bridge Modelling (Modified)

Prepared by: Kenny

Date: 3/14/11

NODAL RESTRAINED DOF TABLE

NODE	X1	X2	X3	X4	X5	X6
18	0	0	1	0	0	0
22	1	1	1	1	1	1
30	1	1	1	1	1	1
34	0	0	1	0	0	0
35	0	0	1	0	0	0
39	1	1	1	1	1	1
47	1	1	1	1	1	1
51	0	0	1	0	0	0
52	0	0	1	0	0	0
56	1	1	1	1	1	1
64	1	1	1	1	1	1
68	0	0	1	0	0	0
69	0	0	1	0	0	0
73	1	1	1	1	1	1
81	1	1	1	1	1	1
85	0	0	1	0	0	0

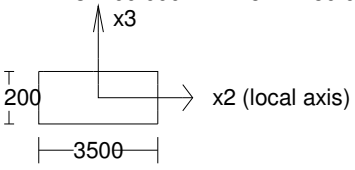
MATERIAL TABLE (units - kN meter)

NO.	Name	Modulus of Elasticity	Poisson ratio	Density	Thermal coefficient	Shear modulus
1	CONC	0.2700E+08	0.150	0.2400E+02	0.00001000	0.1174E+08
2	STEE	0.2100E+09	0.300	0.7850E+02	0.00001000	0.8077E+08
3	Ec 1	0.2100E+08	0.150	0.2400E+02	0.00001000	0.1174E+08
4	Es 1	0.2000E+09	0.300	0.7850E+02	0.00001000	0.8077E+08

SECTION PROPERTY TABLE (units - mm.)

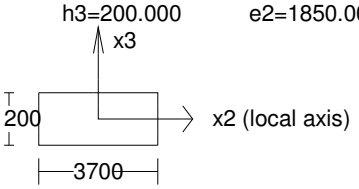
PROPERTY NO. 2

A=0.7000E+06 I2=0.2333E+10 I3=0.7146E+12 J=0.8997E+10 SF2=0.850
Material = 3 - Ec 1 Perimeter=7400.00 SF3=0.850
h2=3500.00 h3=200.000 e2=1750.00 e3=100.000



PROPERTY NO. 3

A=0.7400E+06 I2=0.2467E+10 I3=0.8442E+12 J=0.9531E+10 SF2=0.850
Material = 3 - Ec 1 Perimeter=7800.00 SF3=0.850
h2=3700.00 h3=200.000 e2=1850.00 e3=100.000



*** For demonstration purposes only ***

Sg Sebiu Bridge Modelling (Modified)

Prepared by: Kenny

Date: 3/14/11

SECTION PROPERTY TABLE (units - mm.)

PROPERTY NO. 4

A=0.9550E+06 I2=0.6920E+11 I3=0.7165E+12 J=0.1688E+11 SF2=0.500
Material = 3 - Ec 1 Perimeter=9100.00 SF3=0.500
h2=3500.00 h3=1050.00 e2=1750.00 e3=809.817
__Solid sec c-c

PROPERTY NO. 5

A=0.6050E+06 I2=0.5718E+11 I3=0.1688E+12 J=0.1198E+11 SF2=0.500
Material = 3 - Ec 1 Perimeter=5600.00 SF3=0.500
h2=1750.00 h3=1050.00 e2=1180.57 e3=728.719
__Solid sec a-a (L)

PROPERTY NO. 6

A=0.6050E+06 I2=0.5718E+11 I3=0.1688E+12 J=0.1198E+11 SF2=0.500
Material = 3 - Ec 1 Perimeter=5600.00 SF3=0.500
h2=1750.00 h3=1050.00 e2=1180.57 e3=728.719
__Solid sec a-a (L)

PROPERTY NO. 7

A=0.9750E+06 I2=0.6966E+11 I3=0.7800E+12 J=0.1712E+11 SF2=0.500
Material = 3 - Ec 1 Perimeter=9300.00 SF3=0.500
h2=3600.00 h3=1050.00 e2=1813.07 e3=812.692
__Solid sec e-e

PROPERTY NO. 8

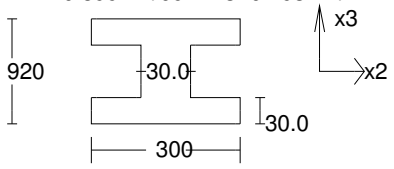
A=0.9750E+06 I2=0.6966E+11 I3=0.7800E+12 J=0.1712E+11 SF2=0.500
Material = 3 - Ec 1 Perimeter=9300.00 SF3=0.500
h2=3600.00 h3=1050.00 e2=1813.07 e3=812.692
__Solid sec e-e

PROPERTY NO. 9

A=0.9950E+06 I2=0.7009E+11 I3=0.8461E+12 J=0.1735E+11 SF2=0.500
Material = 3 - Ec 1 Perimeter=9500.00 SF3=0.500
h2=3700.00 h3=1050.00 e2=1850.00 e3=815.452
__Solid sec g-g & i-i

PROPERTY NO. 25

A=0.1100E+06 I2=0.1680E+11 I3=0.3108E+11 J=0.1339E+08 SF2=0.500
Material = 4 - Es 1 Perimeter=2980.00 SF3=0.500
h2=300.000 h3=920.000 e2=150.000 e3=460.000
Topping:0.6303E+06 I2=0.8992E+09 I3=0.2932E+12 D2=77.9D3= 662 Mat=3



*** For demonstration purposes only ***

Sg Sebiu Bridge Modelling (Modified)

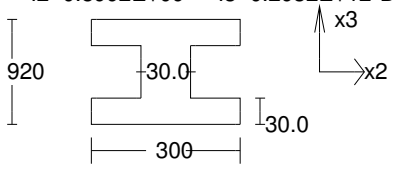
Prepared by: Kenny

Date: 3/14/11

SECTION PROPERTY TABLE (units - mm.)

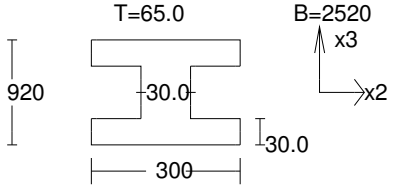
PROPERTY NO. 26

A=0.1100E+06 I2=0.1680E+11 I3=0.3108E+11 J=0.1339E+08 SF2=0.500
Material = 4 - Es 1 Perimeter=2980.00 SF3=0.500
h2=300.000 h3=920.000 e2=150.000 e3=460.000
Topping:0.6303E+06 I2=0.8992E+09 I3=0.2932E+12 D2=-77.9D3= 662 Mat=3



PROPERTY NO. 27

A=0.6100E+05 I2=0.8157E+10 I3=0.9239E+10 J=0.3703E+08 SF2=0.500
Material = 4 - Es 1 Perimeter=2980.00 SF3=0.500
h2=300.000 h3=920.000 e2=150.000 e3=460.000
Topping: T=65.0 B=2520 D=.000 Mat=3



PROPERTY NO. 40

A=0.9859E+05 I2=0.1239E+11 I3=0.6650E+09 J=0.7155E+09 SF2=0.500
Material = 4 - Es 1 Perimeter=3457.60 SF3=0.500
h2=313.000 h3=1127.00 e2=156.500 e3=821.286
__Solid Beam 1 & 4

PROPERTY NO. 41

A=0.1008E+06 I2=0.1249E+11 I3=0.7208E+09 J=0.7543E+09 SF2=0.500
Material = 4 - Es 1 Perimeter=3479.60 SF3=0.500
h2=324.000 h3=1127.00 e2=162.000 e3=825.776
__Solid Beam 2 & 3

PROPERTY NO. 42

A=0.1105E+06 I2=0.1876E+11 I3=0.7975E+09 J=0.4564E+10 SF2=0.500
Material = 4 - Es 1 Perimeter=3542.60 SF3=0.500
h2=324.000 h3=1158.50 e2=162.000 e3=783.386
__Solid Span 2 B2&3

PROPERTY NO. 43

A=0.1083E+06 I2=0.1858E+11 I3=0.7417E+09 J=0.7378E+09 SF2=0.500
Material = 4 - Es 1 Perimeter=3520.60 SF3=0.500
h2=313.000 h3=1158.50 e2=156.500 e3=777.797
__Solid Span 2 B1&4

*** For demonstration purposes only ***

Sg Sebiu Bridge Modelling (Modified)

Prepared by: Kenny

Date: 3/14/11

BEAM OFFSET DEFINITION TABLE (units - meter)

NO.	System	OFFSET AT JA			OFFSET AT JB		
		X1	X2	X3	X1	X2	X3
1	Global	0.000	0.000	-0.240	0.000	0.000	-0.240
2	Global	0.000	0.000	-0.525	0.000	0.000	-0.525
3	Local	0.000	0.000	-0.710	0.000	0.000	-0.710
4	Global	0.000	0.000	-0.140	0.000	0.000	-0.140
5	Global	0.419	0.000	-0.221	0.419	0.000	-0.221
6	Global	-0.419	0.000	-0.221	-0.419	0.000	-0.221
7	Global	0.037	0.000	-0.137	0.037	0.000	-0.137
8	Global	-0.037	0.000	-0.137	-0.037	0.000	-0.137
9	Global	0.000	0.000	-0.135	0.000	0.000	-0.135
10	Global	0.000	0.000	-0.226	0.000	0.000	-0.226
11	Global	0.000	0.000	-0.161	0.000	0.000	-0.161
12	Global	0.000	0.000	-0.231	0.000	0.000	-0.231

BEAM CONNECTIVITY TABLE

Beam No.	JA	JB	JC/ Beta	Release AJ	Release mv	Release mv	Length	prop no.	mat no.	Beam x2 direction cosines			offs. no.
1	1	2	0				3.350	DUMMY		0.000	1.000	0.000	
2	2	3	0				3.500	DUMMY		0.000	1.000	0.000	
3	3	4	0				3.500	DUMMY		0.000	1.000	0.000	
4	4	5	0				3.500	DUMMY		0.000	1.000	0.000	
5	5	6	0				3.700	DUMMY		0.000	1.000	0.000	
6	6	7	0				3.700	DUMMY		0.000	1.000	0.000	
7	7	8	0				3.700	DUMMY		0.000	1.000	0.000	
8	8	9	0				3.700	DUMMY		0.000	1.000	0.000	
9	9	10	0				3.700	DUMMY		0.000	1.000	0.000	
10	10	11	0				3.700	DUMMY		0.000	1.000	0.000	
11	11	12	0				3.700	DUMMY		0.000	1.000	0.000	
12	12	13	0				3.700	DUMMY		0.000	1.000	0.000	
13	13	14	0				3.500	DUMMY		0.000	1.000	0.000	
14	14	15	0				3.500	DUMMY		0.000	1.000	0.000	
15	15	16	0				3.500	DUMMY		0.000	1.000	0.000	
16	16	17	0				3.350	DUMMY		0.000	1.000	0.000	
17	18	19	0				3.350	40	4	0.000	1.000	0.000	12
18	19	20	0				3.500	40	4	0.000	1.000	0.000	12
19	20	21	0				3.500	40	4	0.000	1.000	0.000	12
20	21	22	0				3.500	40	4	0.000	1.000	0.000	12
21	22	23	0				3.700	40	4	0.000	1.000	0.000	12
22	23	24	0				3.700	43	4	0.000	1.000	0.000	12
23	24	25	0				3.700	43	4	0.000	1.000	0.000	12
24	25	26	0				3.700	43	4	0.000	1.000	0.000	12
25	26	27	0				3.700	43	4	0.000	1.000	0.000	12
26	27	28	0				3.700	43	4	0.000	1.000	0.000	12
27	28	29	0				3.700	43	4	0.000	1.000	0.000	12
28	29	30	0				3.700	26	4	0.000	1.000	0.000	12
29	30	31	0				3.500	26	4	0.000	1.000	0.000	12
30	31	32	0				3.500	26	4	0.000	1.000	0.000	12
31	32	33	0				3.500	26	4	0.000	1.000	0.000	12
32	33	34	0				3.350	26	4	0.000	1.000	0.000	12
33	35	36	0				3.350	41	4	0.000	1.000	0.000	10
34	36	37	0				3.500	41	4	0.000	1.000	0.000	10
35	37	38	0				3.500	41	4	0.000	1.000	0.000	10
36	38	39	0				3.500	41	4	0.000	1.000	0.000	10
37	39	40	0				3.700	41	4	0.000	1.000	0.000	10
38	40	41	0				3.700	42	4	0.000	1.000	0.000	10
39	41	42	0				3.700	42	4	0.000	1.000	0.000	10
40	42	43	0				3.700	42	4	0.000	1.000	0.000	10
41	43	44	0				3.700	42	4	0.000	1.000	0.000	10
42	44	45	0				3.700	42	4	0.000	1.000	0.000	10

*** For demonstration purposes only ***

Sg Sebiu Bridge Modelling (Modified)

Prepared by: Kenny

Date: 3/14/11

BEAM CONNECTIVITY TABLE

Beam No.	JA	JB	JC/ Beta	Release AJ	Release mv	Release mv	Length	prop no.	mat no.	Beam x2 direction cosines			offs. no.
43	45	46	0				3.700	42	4	0.000	1.000	0.000	10
44	46	47	0				3.700	27	4	0.000	1.000	0.000	10
45	47	48	0				3.500	27	4	0.000	1.000	0.000	10
46	48	49	0				3.500	27	4	0.000	1.000	0.000	10
47	49	50	0				3.500	27	4	0.000	1.000	0.000	10
48	50	51	0				3.350	27	4	0.000	1.000	0.000	10
49	52	53	0				3.350	41	4	0.000	1.000	0.000	10
50	53	54	0				3.500	41	4	0.000	1.000	0.000	10
51	54	55	0				3.500	41	4	0.000	1.000	0.000	10
52	55	56	0				3.500	41	4	0.000	1.000	0.000	10
53	56	57	0				3.700	41	4	0.000	1.000	0.000	10
54	57	58	0				3.700	42	4	0.000	1.000	0.000	10
55	58	59	0				3.700	42	4	0.000	1.000	0.000	10
56	59	60	0				3.700	42	4	0.000	1.000	0.000	10
57	60	61	0				3.700	42	4	0.000	1.000	0.000	10
58	61	62	0				3.700	42	4	0.000	1.000	0.000	10
59	62	63	0				3.700	42	4	0.000	1.000	0.000	10
60	63	64	0				3.700	27	4	0.000	1.000	0.000	10
61	64	65	0				3.500	27	4	0.000	1.000	0.000	10
62	65	66	0				3.500	27	4	0.000	1.000	0.000	10
63	66	67	0				3.500	27	4	0.000	1.000	0.000	10
64	67	68	0				3.350	27	4	0.000	1.000	0.000	10
65	69	70	0				3.350	40	4	0.000	1.000	0.000	12
66	70	71	0				3.500	40	4	0.000	1.000	0.000	12
67	71	72	0				3.500	40	4	0.000	1.000	0.000	12
68	72	73	0				3.500	40	4	0.000	1.000	0.000	12
69	73	74	0				3.700	40	4	0.000	1.000	0.000	12
70	74	75	0				3.700	43	4	0.000	1.000	0.000	12
71	75	76	0				3.700	43	4	0.000	1.000	0.000	12
72	76	77	0				3.700	43	4	0.000	1.000	0.000	12
73	77	78	0				3.700	43	4	0.000	1.000	0.000	12
74	78	79	0				3.700	43	4	0.000	1.000	0.000	12
75	79	80	0				3.700	43	4	0.000	1.000	0.000	12
76	80	81	0				3.700	25	4	0.000	1.000	0.000	12
77	81	82	0				3.500	25	4	0.000	1.000	0.000	12
78	82	83	0				3.500	25	4	0.000	1.000	0.000	12
79	83	84	0				3.500	25	4	0.000	1.000	0.000	12
80	84	85	0				3.350	25	4	0.000	1.000	0.000	12
81	86	87	0				3.350	DUMMY		0.000	1.000	0.000	
82	87	88	0				3.500	DUMMY		0.000	1.000	0.000	
83	88	89	0				3.500	DUMMY		0.000	1.000	0.000	
84	89	90	0				3.500	DUMMY		0.000	1.000	0.000	
85	90	91	0				3.700	DUMMY		0.000	1.000	0.000	
86	91	92	0				3.700	DUMMY		0.000	1.000	0.000	
87	92	93	0				3.700	DUMMY		0.000	1.000	0.000	
88	93	94	0				3.700	DUMMY		0.000	1.000	0.000	
89	94	95	0				3.700	DUMMY		0.000	1.000	0.000	
90	95	96	0				3.700	DUMMY		0.000	1.000	0.000	
91	96	97	0				3.700	DUMMY		0.000	1.000	0.000	
92	97	98	0				3.700	DUMMY		0.000	1.000	0.000	
93	98	99	0				3.500	DUMMY		0.000	1.000	0.000	
94	99	100	0				3.500	DUMMY		0.000	1.000	0.000	
95	100	101	0				3.500	DUMMY		0.000	1.000	0.000	
96	101	102	0				3.350	DUMMY		0.000	1.000	0.000	
97	1	18	0				1.170	5	3	-1.000	0.000	0.000	5
98	18	35	0				2.520	5	3	-1.000	0.000	0.000	5
99	35	52	0				2.520	5	3	-1.000	0.000	0.000	5
100	52	69	0				2.520	5	3	-1.000	0.000	0.000	5
101	69	86	0				1.170	5	3	-1.000	0.000	0.000	5
102	2	19	0				1.170	2	3	-1.000	0.000	0.000	
103	19	36	0				2.520	2	3	-1.000	0.000	0.000	
104	36	53	0				2.520	2	3	-1.000	0.000	0.000	
105	53	70	0				2.520	2	3	-1.000	0.000	0.000	

Sg Sebiu Bridge Modelling (Modified)

Prepared by: Kenny

BEAM CONNECTIVITY TABLE

Beam No.	JA	JB	JC/ Beta	Release AJ	Release mv	Release mv	Length	prop no.	mat no.	Beam x2 direction cosines			offs. no.
106	70	87	0				1.170	2	3	-1.000	0.000	0.000	
107	3	20	0				1.170	4	3	-1.000	0.000	0.000	4
108	20	37	0				2.520	4	3	-1.000	0.000	0.000	4
109	37	54	0				2.520	4	3	-1.000	0.000	0.000	4
110	54	71	0				2.520	4	3	-1.000	0.000	0.000	4
111	71	88	0				1.170	4	3	-1.000	0.000	0.000	4
112	4	21	0				1.170	2	3	-1.000	0.000	0.000	
113	21	38	0				2.520	2	3	-1.000	0.000	0.000	
114	38	55	0				2.520	2	3	-1.000	0.000	0.000	
115	55	72	0				2.520	2	3	-1.000	0.000	0.000	
116	72	89	0				1.170	2	3	-1.000	0.000	0.000	
117	5	22	0				1.170	7	3	-1.000	0.000	0.000	7
118	22	39	0				2.520	7	3	-1.000	0.000	0.000	7
119	39	56	0				2.520	7	3	-1.000	0.000	0.000	7
120	56	73	0				2.520	7	3	-1.000	0.000	0.000	7
121	73	90	0				1.170	7	3	-1.000	0.000	0.000	7
122	6	23	0				1.170	3	3	-1.000	0.000	0.000	
123	23	40	0				2.520	3	3	-1.000	0.000	0.000	
124	40	57	0				2.520	3	3	-1.000	0.000	0.000	
125	57	74	0				2.520	3	3	-1.000	0.000	0.000	
126	74	91	0				1.170	3	3	-1.000	0.000	0.000	
127	7	24	0				1.170	9	3	-1.000	0.000	0.000	9
128	24	41	0				2.520	9	3	-1.000	0.000	0.000	9
129	41	58	0				2.520	9	3	-1.000	0.000	0.000	9
130	58	75	0				2.520	9	3	-1.000	0.000	0.000	9
131	75	92	0				1.170	9	3	-1.000	0.000	0.000	9
132	8	25	0				1.170	3	3	-1.000	0.000	0.000	
133	25	42	0				2.520	3	3	-1.000	0.000	0.000	
134	42	59	0				2.520	3	3	-1.000	0.000	0.000	
135	59	76	0				2.520	3	3	-1.000	0.000	0.000	
136	76	93	0				1.170	3	3	-1.000	0.000	0.000	
137	9	26	0				1.170	9	3	-1.000	0.000	0.000	9
138	26	43	0				2.520	9	3	-1.000	0.000	0.000	9
139	43	60	0				2.520	9	3	-1.000	0.000	0.000	9
140	60	77	0				2.520	9	3	-1.000	0.000	0.000	9
141	77	94	0				1.170	9	3	-1.000	0.000	0.000	9
142	10	27	0				1.170	3	3	-1.000	0.000	0.000	
143	27	44	0				2.520	3	3	-1.000	0.000	0.000	
144	44	61	0				2.520	3	3	-1.000	0.000	0.000	
145	61	78	0				2.520	3	3	-1.000	0.000	0.000	
146	78	95	0				1.170	3	3	-1.000	0.000	0.000	
147	11	28	0				1.170	9	3	-1.000	0.000	0.000	9
148	28	45	0				2.520	9	3	-1.000	0.000	0.000	9
149	45	62	0				2.520	9	3	-1.000	0.000	0.000	9
150	62	79	0				2.520	9	3	-1.000	0.000	0.000	9
151	79	96	0				1.170	9	3	-1.000	0.000	0.000	9
152	12	29	0				1.170	3	3	-1.000	0.000	0.000	
153	29	46	0				2.520	3	3	-1.000	0.000	0.000	
154	46	63	0				2.520	3	3	-1.000	0.000	0.000	
155	63	80	0				2.520	3	3	-1.000	0.000	0.000	
156	80	97	0				1.170	3	3	-1.000	0.000	0.000	
157	13	30	0				1.170	8	3	-1.000	0.000	0.000	8
158	30	47	0				2.520	8	3	-1.000	0.000	0.000	8
159	47	64	0				2.520	8	3	-1.000	0.000	0.000	8
160	64	81	0				2.520	8	3	-1.000	0.000	0.000	8
161	81	98	0				1.170	8	3	-1.000	0.000	0.000	8
162	14	31	0				1.170	2	3	-1.000	0.000	0.000	
163	31	48	0				2.520	2	3	-1.000	0.000	0.000	
164	48	65	0				2.520	2	3	-1.000	0.000	0.000	
165	65	82	0				2.520	2	3	-1.000	0.000	0.000	
166	82	99	0				1.170	2	3	-1.000	0.000	0.000	
167	15	32	0				1.170	4	3	-1.000	0.000	0.000	4
168	32	49	0		s	s	2.520	4	3	-1.000	0.000	0.000	4

*** For demonstration purposes only ***

Sg Sebiu Bridge Modelling (Modified)

Prepared by: Kenny

Date: 3/14/11

BEAM CONNECTIVITY TABLE

Beam No.	JA	JB	JC/ Beta	Release AJ	mv	mv	Length	prop no.	mat no.	Beam x2 direction cosines			offs. no.
169	49	66	0		s	s	2.520	4	3	-1.000	0.000	0.000	4
170	66	83	0		s	s	2.520	4	3	-1.000	0.000	0.000	4
171	83	100	0				1.170	4	3	-1.000	0.000	0.000	4
172	16	33	0				1.170	2	3	-1.000	0.000	0.000	
173	33	50	0				2.520	2	3	-1.000	0.000	0.000	
174	50	67	0				2.520	2	3	-1.000	0.000	0.000	
175	67	84	0				2.520	2	3	-1.000	0.000	0.000	
176	84	101	0				1.170	2	3	-1.000	0.000	0.000	
177	17	34	0				1.170	6	3	-1.000	0.000	0.000	6
178	34	51	0				2.520	6	3	-1.000	0.000	0.000	6
179	51	68	0				2.520	6	3	-1.000	0.000	0.000	6
180	68	85	0				2.520	6	3	-1.000	0.000	0.000	6
181	85	102	0				1.170	6	3	-1.000	0.000	0.000	6

TOTAL BEAMS WEIGHT OF PROPERTY NO. 2= 665.280
TOTAL BEAMS WEIGHT OF PROPERTY NO. 3= 703.296
TOTAL BEAMS WEIGHT OF PROPERTY NO. 4= 453.816
TOTAL BEAMS WEIGHT OF PROPERTY NO. 5= 143.748
TOTAL BEAMS WEIGHT OF PROPERTY NO. 6= 143.748
TOTAL BEAMS WEIGHT OF PROPERTY NO. 7= 231.660
TOTAL BEAMS WEIGHT OF PROPERTY NO. 8= 231.660
TOTAL BEAMS WEIGHT OF PROPERTY NO. 9= 709.237
TOTAL BEAMS WEIGHT OF PROPERTY NO. 25= 325.824
TOTAL BEAMS WEIGHT OF PROPERTY NO. 26= 325.824
TOTAL BEAMS WEIGHT OF PROPERTY NO. 27= 258.669
TOTAL BEAMS WEIGHT OF PROPERTY NO. 40= 271.658
TOTAL BEAMS WEIGHT OF PROPERTY NO. 41= 277.720
TOTAL BEAMS WEIGHT OF PROPERTY NO. 42= 385.119
TOTAL BEAMS WEIGHT OF PROPERTY NO. 43= 377.451
TOTAL BEAMS WEIGHT = 5504.707

BEAM END CONDITIONS (units - kN meter)

Beam no.	Axial	Tors.	JA M2	JA M3	JA V2	JA V3	JB M2	JB M3	JB V2	JB V3
168			S=350000	Free			S=350000	Free		
169			S=200000	Free			S=200000	Free		
170			S=350000	Free			S=350000	Free		