Cap18 Example

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Cap18 Design Example

Project Info

Skip this section. Will just use defaults

Problem 1

Table 1

	comment	sta_from	sta_to	contd	cap_bending_stiffness	sidewalk_slab_loads	stringer_cap_l
	String	Int64	Int64	Int64	Float64	Float64	Float64
1		2	78	0	4.6e6	0.0	-0.792
2		6	6	0	0.0	0.0	-92.19
3		23	23	0	0.0	0.0	-92.19
4		40	40	0	0.0	0.0	-92.19
5		57	57	0	0.0	0.0	-92.19
6		74	74	0	0.0	0.0	-92.19
7		6	6	0	0.0	0.0	-98.62
8		20	20	0	0.0	0.0	-98.62
9		33	33	0	0.0	0.0	-98.62
10		47	47	0	0.0	0.0	-98.62
11		60	60	0	0.0	0.0	-98.62
12		74	74	0	0.0	0.0	-98.62
13		0	20	0	0.0	0.0	0.0
14		4	4	0	0.0	0.0	0.0
15		16	16	0	0.0	0.0	0.0

	sta	dist	defl	moment	shear
	Int64	Float64	Float64	Float64	Float64
1	-1	-0.5	0.0	0.0	0.0
2	0	0.0	0.0	0.0	0.0
3	1	0.5	-0.000713	0.0	0.0
4	2	1.0	-0.000623	0.0	-0.2
5	3	1.5	-0.000533	-0.2	-0.8
6	4	2.0	-0.000442	-0.8	-12.2
7	5	2.5	-0.000352	-12.4	-23.7
8	6	3.0	-0.000262	-24.5	-164.7
9	7	3.5	-0.000174	-177.1	-305.7
10	8	4.0	-9.5e-5	-330.2	-306.5
11	9	4.5	-3.4e-5	-483.6	-307.3
12	10	5.0	0.0	-637.4	-57.8
13	11	5.5	0.0	-541.4	191.6
14	12	6.0	-3.0e-5	-445.8	190.8
15	13	6.5	-8.4e-5	-350.6	190.0
16	14	7.0	-0.000156	-255.8	189.2
17	15	7.5	-0.000243	-161.4	188.4
18	16	8.0	-0.000339	-67.4	177.0
19	17	8.5	-0.000438	15.6	165.6
20	18	9.0	-0.000536	98.2	164.8
21	19	9.5	-0.000629	180.4	164.0
22	20	10.0	-0.000713	262.2	113.9
23	21	10.5	-0.000782	294.3	63.8
24	22	11.0	-0.000834	326.0	63.0
...	...	...	...	...	...

DL Deflection

DL Shear

DL Moment