

Point	Load	Influence Ordinate or Area	M (kN-m)	Strip Width (m)	M (kN-m per m)	Multiple Presence Factor	Dyn. Allow.	Load Factor	Factored M_u (kN-m/m)
B	Slab 5.42 kN/m	+0.173 m ²	+0.94	1	+0.94	n/a	n/a	1.25	+1.17
	FWS*1.70 kN/m	+0.460 m ²	+0.78	1	+0.78	n/a	n/a	1.50	+1.17
	Barrier 5.59 kN	-0.650 m	-3.63	1	-3.63	n/a	n/a	0.90	-3.27
	Wheel 72.5 kN	+0.524 m	+38.0	2.31	+16.44	1.20	1.33	1.75	+45.93
Total									+45.00
C	Slab 5.42 kN/m	-0.690 m ²	-3.74	1	-3.74	n/a	n/a	1.25	-4.67
	FWS*1.70 kN/m	-0.800 m ²	-1.36	1	-1.36	n/a	n/a	1.50	-2.04
	Barrier 5.59 kN	+0.250 m	+1.40	1	+1.40	n/a	n/a	0.90	+1.26
	Wheel 72.5 kN	-0.552 m	-40.0	1.97	-20.31	1.00	1.33	1.75	-47.28
Total									-52.73

* FWS is taken to face of barrier railing

Note: The factored moments shown in the table are based upon the load modifiers η_D , η_R , and $\eta_I = 1.0$.

CALCULATION OF FACTORED MOMENTS

Figure 61-2F