

Point	Load	Influence Ordinate or Area	M (kN-m)	Multiple Presence Factor	Dynamic Allowance	Load Factor	Factored $M_u$ (kN-m)
B	Edge Beam*7.86 kN/m	+0.173 m <sup>2</sup>	+1.36	n/a	n/a	1.25	+1.70
	FWS** 1.02 kN/m	+0.460 m <sup>2</sup>	+0.47	n/a	n/a	1.50	+0.70
	Barrier 3.35 kN	-0.650 m	-2.18	n/a	n/a	0.90	-1.96
	Wheel 72.5 kN	+0.524 m	+38.00	1.20	1.33	1.75	+106.11
Total							+106.55
C	Edge Beam*7.86 kN/m	-0.690 m <sup>2</sup>	-5.42	n/a	n/a	1.25	-6.78
	FWS** 1.02 kN/m	-0.800 m <sup>2</sup>	-0.82	n/a	n/a	1.50	-1.22
	Barrier 3.35 kN	+0.250 m	+0.84	n/a	n/a	0.90	+0.75
	Wheel 72.5 kN	-0.552 m	-40.02	1.00	1.33	1.75	-93.15
Total							-100.40

\* The edge beam extends from coping to coping.

\*\* FWS is taken to the face of the barrier railing.

*Note: The factored moments shown in the table are based on the load modifiers  $\eta_D$ ,  $\eta_R$ , and  $\eta_i = 1.00$ .*

## CALCULATION OF FACTORED MOMENTS

**Figure 61-5M**