

GRET Type	ADT		Clearances (ft)		Severity Index ⁽²⁾		Installation Costs ⁽³⁾ (\$)	Repair Costs (\$) ⁽⁴⁾		Guardrail Present Worth (\$)	Equivalent Embankment SI
	20-yr	Current	Lat	Long. ⁽¹⁾	Side	Face		Side	Face		
I	700	471	10	1480	3.4	3.1	15,700	500	1200	16,400	5.402
I	1000	673	10	1510	3.4	3.1	16,000	500	1200	17,700	5.073
I	1500	1009	10	1510	3.4	3.1	16,000	500	1200	19,200	4.607
I	2000	1346	12	1510	3.4	3.1	16,000	500	1200	20,000	4.465
I	3000	2019	12	1580	3.4	3.1	16,700	500	1200	23,700	4.197
I	6000	4038	12	1580	3.4	3.1	16,700	500	1200	32,300	3.742
I	9000	6057	12	1610	3.4	3.1	17,000	500	1200	41,700	3.544
I	12000	8076	12	1610	3.4	3.1	17,000	500	1200	50,500	3.431
I	18000	12113	12	1610	3.4	3.1	17,000	500	1200	68,100	3.318

Notes:

- (1) Guardrail = 1000 ft + 2L_R, where L_R is from Figure 49-5F.
Embankment = 1000 ft.
- (2) Severity Index interpolated for design speed from Figures 49-10H and 49-10 I.
- (3) Cost shown is based on \$10/ft for guardrail + \$900 for 2 GRET type I.
If 2 GRET type OS or MS used instead, cost increases by \$6100.
- (4) Repair Costs for side based on use of GRET type I. If GRET type OS or MS used instead, such cost becomes \$4000.

BACKUP DATA FOR FIGURE 49-3B(50)

Figure 49-11C