

Type of Object	Face Side Both	40 MPH		50 MPH		60 MPH		70 MPH	
		Range	Avg	Range	Avg	Range	Avg	Range	Avg
Utility Pole	Both	2.6 -5.0	3.8	3.2 -6.0	4.6	3.8 -7.2	5.5	4.4 -8.6	6.5
Rigid Sign Support									
Single/Multiple Cantilever/Overhead	Both	2.2 -4.6	3.4	2.8 -5.6	4.2	3.6 -7.0	5.3	4.2 -8.4	6.3
	Both	2.6 -5.0	3.8	3.2 -6.0	4.6	3.8 -7.2	5.5	4.4 -8.6	6.5
Breakaway Sign Support									
Fracture Mechanical/Yielding	Both	0.6 -1.0	0.8	0.8 -1.4	1.1	1.2 -2.0	1.6	1.6 -2.6	2.1
	Both	0.8 -1.2	1.0	1.0 -1.6	1.3	1.4 -2.2	1.8	1.8 -2.8	2.3
Luminaire Support									
Rigid Base Breakaway	Both	2.6 -5.0	3.8	3.2 -6.0	4.6	3.8 -7.2	5.5	4.4 -8.6	6.5
	Both	2.0 -2.4	2.2	2.2 -2.8	2.5	2.4 -3.2	2.8	2.6 -3.6	3.1
Pedestal or Foundation									
Height < 4"	Both	0.6 -1.0	0.8	1.0 -1.8	1.4	1.4 -2.4	1.9	1.8 -3.0	2.4
Height $\geq 4"$ $\leq 10"$	Both	1.0 -2.6	1.8	1.8 -3.2	2.5	2.4 -3.6	3.0	3.0 -4.4	3.7
Height > 10"	Both	2.6 -5.0	3.8	3.2 -6.0	4.6	3.8 -7.2	5.5	4.4 -8.6	6.5

Note: The surrounding slope may be more severe than the object on it. Additionally, another hazard directly beyond the object may be more severe. In most cases, the highest severity index should be used.

FACTORS THAT AFFECT SEVERITY RANGE:

Low Range: Object on uphill backslope where less likely to be hit, non-frangible diameter is small, new installation of frangible object with clear recovery area behind, top of base flush with ground, no erosion around base.

Mid Range: Object on relatively flat slope (recoverable), new installation of sign support on relatively flat slope, proper design, installation and maintenance, top of base less than 4 inches above ground, no erosion around base.

High Range: Object on 4:1 or steeper slope (non-recoverable), non-frangible diameter is large, improper placement and/or design of post, base located at hinge, erosion around base, improper maintenance of sign support and breakaway device.

SEVERITY INDICES **(Utility, Sign, and Luminaire Support Fixed Objects)** **Figure 49-100**