

TABLE-I.2  
STOPPING DISTANCE FOR VARIOUS SPEEDS

$$d = 3.7 V + (V^2 / 30(f + G))$$

**VEHICLE DESCENDING 2.0% GRADE**

SPEED (mph)	FRICTION	G (%)	d (ft)
40	0.28	2	353
41			367
42			382
43			396
44			411
45			426
46			441
47			457
48			473
49			489
50			506
51			522
52			539
53			556
54			574
55			591
56			609
57			627
58			646
59			665
60			684
61			703
62			722
63			742
64			762
65			782

**VEHICLE DESCENDING 4.6% GRADE**

SPEED (mph)	FRICTION	G (%)	d (ft)
40	0.28	4.6	376
41			391
42			407
43			422
44			439
45			455
46			472
47			489
48			506
49			523
50			541
51			559
52			578
53			596
54			615
55			634
56			654
57			674
58			694
59			714
60			735
61			756
62			777
63			798
64			820
65			842