Chicane Fastest Path Curve Design Speeds

Design Speed (mph) (y-axis: 0, 10, 20, 30, 40, 50, 60, 70)

Mainline Posted Speed

Design Speed of Broad Curve

Design Speed of Moderate Curve

Design Speed of Entry Curve
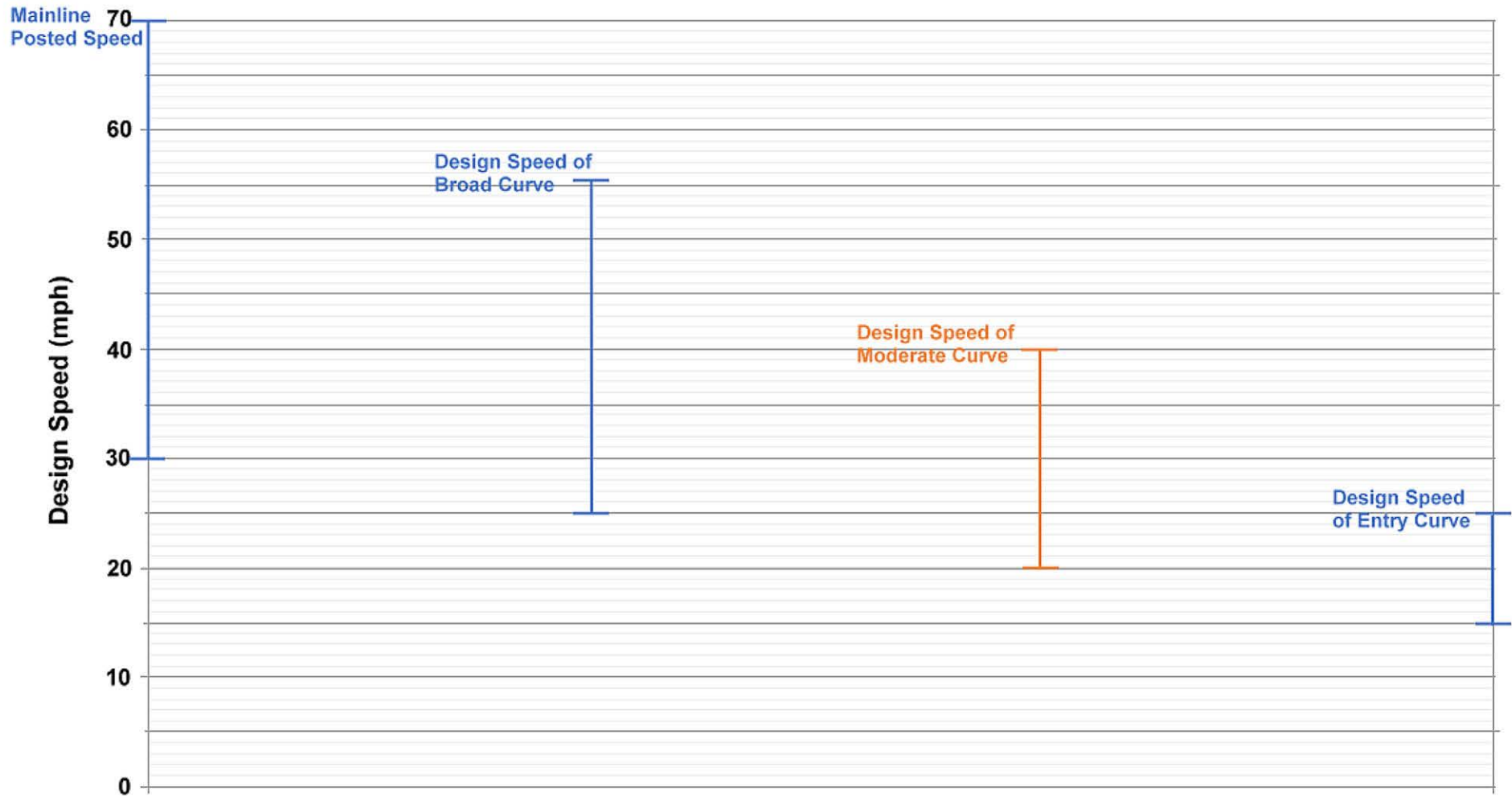
—— Normal Superelevation e = + 0.02 $\quad R = \left(\dfrac{V}{3.4415}\right)^{2.5904}$

—— Reverse Superelevation e = - 0.02 $\quad R = \left(\dfrac{V}{3.4614}\right)^{2.7235}$

Where:

e = Cross slope (foot/foot)

V = Curve design speed (mph)

R = Curve radius (feet)