

Table 6H-4. Formulas for Determining Taper Lengths

Speed (S)	Taper Length (L) in Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

$$L = W \cdot S$$

$$L = (15 \text{ FT}) \cdot (60 \text{ MPH})$$

$$L = 900 \text{ FT}$$

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