



Exhibit 3-54. Diagram Illustrating Components for Determining Horizontal Sight Distance

Metric	US Customary
$HSO = R \left[ 1 - \cos \frac{28.65S}{R} \right]$	$HSO = R \left[ 1 - \cos \frac{28.65S}{R} \right] \quad (3-38)$
where: $S$ = Stopping sight distance, m $R$ = Radius of curve, m $HSO$ = Horizontal sightline offset, m	where: $S$ = Stopping sight distance, ft $R$ = Radius of curve, ft $HSO$ = Horizontal sightline offset, ft