ROAD AHEAD WORK

Median shoulder
Edge of paved

Projects
For contract construction projects
W20-10300-48
W21-110-48
W20-105-48

For maintenance and utility projects

TYPICAL APPLICATIONS
Utility operations
Culvert extensions
Side slope changes
General installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

SYMBOLS

When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

FORMULAS

\[ L = 0.65(W)(S) \]

SPEED LIMIT

<table>
<thead>
<tr>
<th>Speed Limit</th>
<th>Formula (English)</th>
<th>Formula (Metric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 mph (64 km/h) or less</td>
<td>( L = \frac{W S^2}{40} )</td>
<td>( L = \frac{W S^2}{122} )</td>
</tr>
<tr>
<td>45 mph (72 km/h) or greater</td>
<td>( L = (W)(S) )</td>
<td>( L = 0.65(W)(S) )</td>
</tr>
</tbody>
</table>

W = Width of offset in feet (meters),
S = Normal posted speed in mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

GENERAL NOTES
This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24" (600 mm) from the edge of pavement.

Calculate L as follows:

40 mph (64 km/h) or less:

\[ L = \frac{W S^2}{40} \]

45 mph (72 km/h) or greater:

\[ L = (W)(S) \]

\[ L = 0.65(W)(S) \]

\[ L = 150 WS^2 \]

\[ L = 60 \frac{W S^2}{40} \]