### General Notes

1. On pavement with two-way traffic, the super-elevation shall be reversed on the inside pavement edge unless otherwise noted on the plans.

2. Super-elevations shown on the cross sections are values to permit simpler calculations.

### Abbreviations

- **NC**: Normal Crown
- **RC**: Reverse Crown, super-elevation at normal crown slope
- **L**: Distance from beginning of super-elevation transition to any point (ft.)
- **d**: Width of pavement
- **Ls**: Length of super-elevation transition (ft.)
- **C**: Normal crown (ft.)
- **e**: Rate of super-elevation (ft. per ft.)
- **(FT.)**: Or width of subgrade (ft.)

### Added Formula

- Maximum super-elevation outside pavement or subgrade edge

### Table: Super-elevation for Two-Way Traffic

<table>
<thead>
<tr>
<th>Degree of Curve</th>
<th>20 MPH</th>
<th>25 MPH</th>
<th>30 MPH</th>
<th>35 MPH</th>
<th>40 MPH</th>
<th>45 MPH</th>
<th>50 MPH</th>
<th>55 MPH</th>
<th>60 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ls</td>
<td>0.022</td>
<td>0.029</td>
<td>0.036</td>
<td>0.043</td>
<td>0.050</td>
<td>0.057</td>
<td>0.064</td>
<td>0.071</td>
<td>0.078</td>
</tr>
<tr>
<td>L</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>350</td>
<td>400</td>
<td>450</td>
<td>500</td>
</tr>
<tr>
<td>d</td>
<td>60</td>
<td>90</td>
<td>120</td>
<td>150</td>
<td>180</td>
<td>210</td>
<td>240</td>
<td>270</td>
<td>300</td>
</tr>
<tr>
<td>C</td>
<td>110</td>
<td>110</td>
<td>110</td>
<td>110</td>
<td>110</td>
<td>110</td>
<td>110</td>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>d/e</td>
<td>0.022</td>
<td>0.029</td>
<td>0.036</td>
<td>0.043</td>
<td>0.050</td>
<td>0.057</td>
<td>0.064</td>
<td>0.071</td>
<td>0.078</td>
</tr>
</tbody>
</table>

### Notes

- Unless otherwise noted.
- Maximum super-elevation outside pavement or subgrade edge.
- Control points.
- Standard method when super-elevation revolves around inner subgrade point or outer pavement edge.

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### Standard Method When Super-elevation Revolves Around Center Line

- Control point.
- Maximum super-elevation.
- Outboard subgrade edge.
- Inboard pavement edge.

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### Arkansas State Highway Commission

Date Filmed: 10-18-96

Date Revised: 11-07-96

**TABLES AND METHODS OF SUPER-ELEVATION FOR TWO-WAY TRAFFIC**

**STANDARD DRAWING SE-2**