## Yellow Change Interval for Through Movement

<table>
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<th>Posted Speed (mph)</th>
<th>Grade of Intersection (%)</th>
<th>ITE(s)</th>
<th>SHA(s)</th>
<th>ITE(s)</th>
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### Variable
- $t = 1$
- $a = 10$

### Used speed for calculation
- $\text{ITE} = \text{Posted speed} + 7$, round up to the nearest 5 mph increment
- $\text{SHA} = \text{Posted speed} + 5.$

### Min & Max Yellow Change Interval
<table>
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<tr>
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<th>ITE (s)</th>
<th>SHA (s)</th>
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Yellow Change Interval for Through Movement with 5% Uphill

Yellow Change Interval for Through Movement

Yellow Change Interval by ITE

Yellow Change Interval by SHA