TABLE I

MINIMUM LEVELS FOR INSTALLATION OF TURN AND
ACCELERATION LANES ON TWO LANE ROADS

<table>
<thead>
<tr>
<th>SPEED</th>
<th>LEFT TURN LANE</th>
<th>RIGHT TURN LANE</th>
<th>RIGHT TUR ACCELERATION</th>
<th>LEFT TUR ACCELERATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 MPH AND LESS</td>
<td>20 VPH</td>
<td>50 VPH</td>
<td>* OPTIONAL</td>
<td>* OPTIONAL</td>
</tr>
</tbody>
</table>

VPH= VEHICLES PER HOUR IN ANY ONE HOUR PERIOD IN PASSENGER
CAR EQUIVALENTS.

* SEE NOTE 9.

NOTES:
1. USE CURRENT EDITION OF THE AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND
   STREETS FOR DESIGN OF ROADWAY ELEMENTS NOT SHOWN ON THIS STD DWG.
2. USE CURRENT EDITION OF THE AASHTO ROADWAY DESIGN GUIDE AND STD DWG DD 17 FOR CLEAR ZONE REQUIREMENTS NOT SHOWN ON THIS STD DWG.
3. DECELERATION LENGTH:
   - RIGHT TURN - USE THE POSTED SPEED LIMIT AS THE DESIGN SPEED AND AN AVERAGE
     RUNNING SPEED OF 14 MPH.
   - LEFT TURN - USE THE POSTED SPEED LIMIT AS THE DESIGN SPEED AND AN AVERAGE
     RUNNING SPEED OF 10 MPH.
   ADJUST FOR SPEED CHANGES ON GRADES AS NECESSARY.
   DECELERATION LANE NOT TO SCALE.
4. ACCELERATION LENGTH:
   - USE AN INITIAL RUNNING SPEED OF 14 MPH AND USE THE POSTED SPEED LIMIT
   AS THE DESIGN SPEED.
   ADJUST FOR SPEED CHANGES ON GRADES AS NECESSARY.
5. USE STD DWG DD 13A FOR RIGHT TURN AND OR LEFT TURN ACCELERATION LANES IF
   REQUIRED.
6. USE 4 FT MINIMUM SHOULDER FOR RIGHT TURN ACCELERATION LANE TAPER, RIGHT TURN STORAGE
   LANE, RIGHT TURN ACCELERATION LANE AND RIGHT TURN ACCELERATION LANE TAPER MATCH
   EXISTING WIDTH OF SHOULDER, WITH A 4 FT MINIMUM, AT ALL OTHER SHOULDER LOCATIONS.
7. USE A 10 FT MINIMUM ACCEPTANCE LANE FOR 50 FT WITH A 15:1 TAPER WHEN RIGHT
   TURN ACCELERATION LANE IS NOT USED.
8. STANDARDS SHOWN ARE RECOMMENDED VALUES. EXCEED STANDARDS IF CONDITIONS PERMIT.
9. 12 FT LANE WIDTH DESIRABLE.
10. INCREASE VEHICLE STORAGE LENGTH AS DETERMINED BY ENGINEERING STUDY OR REGION TRAFFIC
    ENGINEER.
11. SEE STD DWG ST 5 FOR INFORMATION ON STRIPING DETAILS.
12. POSTED SPEED ≤ 40 MPH:
    \[ L = \text{TAPERS LENGTH IN FT} \]
    \[ W = \text{WIDTH OF DIFFERENT IN FT} \]
    \[ S = \text{SPEED IN MPH} \]
13. PROVIDE A TWO WAY LEFT TURN LANE CONNECTING ADJACENT ACCESS POINTS WHEN THEIR
    TAPERS OVERLAP, OR AS REQUIRED BY THE REGION TRAFFIC ENGINEER.
14. SEE STD DWG DD 3, TABLE II FOR DISTANCE "O."