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

<table>
<thead>
<tr>
<th>SPEED</th>
<th>LEFT TURN</th>
<th>RIGHT T TURN</th>
<th>ACCELERATION</th>
<th>DECELERATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 TO 55 MPH</td>
<td>10 VPH</td>
<td>25 VPH</td>
<td>50 VPH</td>
<td>*</td>
</tr>
<tr>
<td>60 MPH AND GREATER</td>
<td>5 VPH</td>
<td>10 VPH</td>
<td>25 VPH</td>
<td>**</td>
</tr>
</tbody>
</table>

* OPTIONAL FOR 55 MPH AND LESS. FOR 56 MPH, AS REQUIRED BY THE REGION TRAFFIC ENGINEER.

** AS REQUIRED BY THE REGION TRAFFIC ENGINEER.

NOTES:
1. USE CURRENT EDITION OF THE AASHTO GEOMETRIC DESIGN OF HIGHWAYS AND STREETS FOR DESIGN OF ROADWAY ELEMENTS NOT SHOWN ON THIS STD DWG.
2. USE CURRENT EDITION OF THE AASHTO ROADSIDE DESIGN GUIDE AND STD DWG DD 17 FOR CLEAR ZONE REQUIREMENTS NOT SHOWN ON THIS STD DWG.
3. ACCELERATION LENGTH - USE AN INITIAL RUNNING SPEED OF 14 MPH AND USE THE POSTED SPEED LIMIT AS THE DESIGN SPEED. ACCELERATION 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. ACCELERATION LANE NOT TO SCALE.
5. USE STD DWG DD 13A FOR RIGHT TURN AND LEFT TURN ACCELERATION LANES IF REQUIRED.
6. USE 4 FT MINIMUM SHOULDER FOR RIGHT TURN DECELERATION LANE TAPER, RIGHT TURN STORAGE LANE, RIGHT TURN ACCELERATION LANE, AND RIGHT TURN ACCELERATION LANE TAPER. MATCH EXISTING WIDTH OF SHOULDER, WITH 4 FT MINIMUM, AT ALL OTHER SHOULDER LOCATIONS.
7. USE 15 FT MINIMUM ACCEPTANCE LANE FOR 55 FT WITH A 15 FT TAPER WHEN RIGHT TURN ACCELERATION LANE IS NOT USED.

NOTES:
8. STANDARDS SHOWN ARE RECOMMENDED VALUES. EXCEED STANDARDS IF CONDITIONS PERMIT.
9. S = 160 FT FOR SPEEDS 45 TO 55 MPH
10. INCREASE VEHICLE STORAGE LENGTH AS DETAILED BY ENGINEERING STUDY OR REGION TRAFFIC ENGINEER.
11. SEE STD DWG SS 5 FOR INFORMATION ON STRIPING DETAILS.
12. POSTED SPEED > 45 MPH L = WS
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. OPTIONAL USE OF VOL 2 LEFT LANE ENDS SIGN, AT A DISTANCE "D" UPSTREAM FROM THE BEGINNING OF THE TAPER.
15. SEE TABLE II ON STD DWG DD 3 FOR LENGTH "D".