1. No guardrail is proposed for signals; however, some form of impact attenuation device may be specified for certain locations.

2. Advance flasher to be installed when and if called for in plans or specifications.

3. Top of foundation shall be no higher than 4" above finished shoulder grade.

4. Type of traffic control device
   I. Flashing signals
   II. Flashing signals with controller
   III. Flashing signals with gate
   IV. Flashing signals with controller & gate
   V. Gates

5. Class of traffic control devices
   I. Flashing signals — one track
   II. Flashing signals — multiple tracks
   III. Flashing signals and gates — one track
   IV. Flashing signals and gates — multiple tracks

Note:
Two separate foundations may be required (one for signals, one for gates), depending on type of equipment used.

* When 10' is deemed impractical the control device can be located as close as 2' from the edge of a paved shoulder but not less than 6' from the edge of the near traffic lane.

FIGURE 1
Gate Length Requirements
See Note 5 Sheet 3

12"
GENERAL NOTES
1. The location of flashing signals and stop lines shall be established based on future (or present) installation of gates with appropriate track clearances.

2. Where plans call for railroad traffic control devices to be installed in cutouts, minimum median width shall be at least 12'-6".

3. Location of railroad traffic control device is based on the distance available between face of curb and sidewalk.
   - 0' to 6'—Locate device outside sidewalk
   - Over 6'—Locate device between face of curb and sidewalk.

4. Stop line to be perpendicular to edge of roadway, approx 15' from nearest rail or 6' from and parallel to gate when present.

TYPE I

TYPE II

TYPE III

TYPE IV

TYPE V
NOTES:
1. When computing pavement message, quantities do not include traverse lines.
2. Placement of sign W10-1 in a residential or business district, where
   low speeds are prevalent, the W10-1 sign may be placed a minimum
   distance of 100' from the crossing. Where street intersections occur
   between the RR pavements message and the tracks an additional
   W10-1 sign and additional pavement message should be used.
3. A portion of the pavement marking symbol should be directly opposite
   the W10-1 sign.
4. Recommended location for FT8-61-06 or FT8-62-06 signs, 100' urban and
   300' rural. See Index 17355 for sign details.
5. Gate Length Requirements:
   For Two-way undivided sections:
   The gate should extend to within 1' of the center line. On multiple
   approaches the maximum gate length may not exceed to within 1' of
   the center line. For these cases, the distance from the gate to the center line
   shall be a maximum of 4'.
   For one-way or divided sections:
   The gate shall be of sufficient length such that the distance from the
   gate tip to the inside edge of pavement is a maximum of 4'.

<table>
<thead>
<tr>
<th>SPEED</th>
<th>&quot;A&quot;</th>
<th>IN FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>322</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>175</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>125</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>URBAN</td>
<td>85</td>
<td>MIN</td>
</tr>
</tbody>
</table>