Dynamic Late Merge System
(Zipper Merge)

Notes:
The typical application is not drawn to scale.

The Changeable Message Signs and Non-Intrusive Detectors shall be spaced along the route as needed for proper systems operations.

Static signs may be used as a supplement for CMS boards.

The static sign provides a continuous reinforcing message to the traveling public.

Static signs may be located beyond and within the anticipated queue length.

During backups
Use both lanes
Take turns at merge

96" X 48" (Letters 6" E Modified)

Take turns at merge

30" X 24" (Letters 4.5" C)

Take turns

30" X 24" (Letters 6" C)

S or SA

S or SB

S or SC

Road work ahead

Right lane closed ahead

Take turns

CMS located 100’ ahead (upstream) of the Merge sign.

CMS located beyond the estimated queue length at the time when system activation will occur.

CMS located beyond the estimated maximum queue length.

<table>
<thead>
<tr>
<th>SPEED</th>
<th>SIGN SPACING (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Posted (mph)</td>
<td>Undivided (S)</td>
</tr>
<tr>
<td>0-35</td>
<td>200</td>
</tr>
<tr>
<td>40-45</td>
<td>350</td>
</tr>
<tr>
<td>50-55</td>
<td>500</td>
</tr>
<tr>
<td>60-70</td>
<td>1000</td>
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</tbody>
</table>

Changeable Message Signs
Non-Intrusive Detector

DURING BACKUPS
Use both lanes
Take turns at merge

S or SA

S or SB

S or SC

Road work ahead

Right lane closed ahead

Take turns

CMS located 100’ ahead (upstream) of the Merge sign.

CMS located beyond the estimated queue length at the time when system activation will occur.

CMS located beyond the estimated maximum queue length.