### Typical Numbering for Flashers

![Diagram of a traffic signal with numbers and directions]

**Signal Face I.D.**
- 21, 23: Y (Green), R (Red)
- 22, 24: Y (Green), R (Red)
- 11, 13: (Main Street)
- 12, 14: (Side Street)

### Table of Operation for Flashers

<table>
<thead>
<tr>
<th>SIGNAL FACE</th>
<th>INTERVAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ON</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
</tr>
</tbody>
</table>

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<td>ON</td>
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<tr>
<td>12, 14</td>
<td>OFF</td>
</tr>
</tbody>
</table>
Signal Head Approach Display and Alignment

Single Lane Approach

18” (450mm) min

Lane

Single Lane Approach with Turning Bay

18” (450mm) min

Lane

Lane

or *

* Engineer to determine based on site specific characteristics

Multilane Approach

Lane

Lane

Lane

Lane

General Guidelines

- Flash vertically mounted heads alternatively
- Flash horizontally mounted heads concurrently

Flashers

7-04

7.0

STN. NO.

7-04

SIGNALS & GEOMETRICS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SHEET 2 OF 5
Actuated Flasher with Overhead Sign

Single Lane Approach

Single Lane Approach with Turning Bay

Multilane Approaches

General Guidelines

- Sign may be installed at intersection or
  in advance of intersection,
  at engineer's discretion

- Typical sign size: 114"x36"
- Lettering size: 8"D

- See drawing notes (Std. No. 5.0) for notes specific to actuated flashers

Flashers

SIGNALS & GEOMETRICS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO. 7.0

SHEET 3 OF 5
Actuated Flasher with Ground-Mounted Sign

Single or Multi Lane Approaches

- For multilane divided roadways with medians, dual ground mounted signs may be installed.

General Guidelines

- See drawing notes (Std. No. 5.0) for notes specific to actuated flashers.

- Refer to MUTCD Table 2C-4 for advance placement of signs.

Flashers

Signals & Geometrics Section
Traffic Engineering and Safety Systems Branch
North Carolina Department of Transportation
Loop Placement for Actuated Flashers

Main Street Loop Placement
(Single or Multilane)

<table>
<thead>
<tr>
<th>Design Speed</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>mph (km/hr)</td>
<td>ft (m)</td>
</tr>
<tr>
<td>40 (64)</td>
<td>260 (76)</td>
</tr>
<tr>
<td>45 (72)</td>
<td>300 (90)</td>
</tr>
<tr>
<td>50 (80)</td>
<td>355 (110)</td>
</tr>
<tr>
<td>55 (88)</td>
<td>420 (130)</td>
</tr>
</tbody>
</table>

L = 8ft x 8ft (1.8m x 1.8m), Presence loop

L1 = 8ft x 8ft (1.8m x 1.8m), Presence loop (Loop L1 is optional)

L2 = 8ft x 40ft To 60ft (1.8m x 12.0) Quadruple loop