TRAFFIC CONTROL
Barricading and Signing Illustrations

The illustrations contained herein are meant to depict typical situations and use of traffic control devices. The use of traffic control devices for these specific situations is not intended to exclude the use of those traffic devices in other situations. Practices prescribed in this text shall be adhered to at all times. The following is a list of procedures for the placement of traffic control devices:

1. Advance warning signs may be placed on:
   a. Portable sign supports
   b. Posts
2. For night operations:
   a. All channelizing devices shall be reflectorized. Cones shall not be utilized alone.
   b. Arrow signs (TO19) must be spaced at 3S throughout the taper section (See Table XI-1).
   c. All signs must be reflectorized, except those controlling parking and pedestrians.
   d. Install a flashing yellow light on each high level warning device.
   e. Horizontal barricade or vertical panels shall have a flashing or steady burning light attached.
3. General Notes:
   a. Where possible, place a vehicle between the work area and the traffic flow.
   b. Signs shall not be installed on Type I or Type II barricades.
   c. The predominant color for channelizing devices shall be orange.
   d. A high level warning device shall be required for all temporary work in the roadway.
4. Set-up (in order of occurrence):
   a. Temporarily place a high level warning device at the side of the road.
   b. Place advance warning signs.
   c. Place channelizing devices for traffic diversions (moving in direction of traffic).
   d. Adjust placement of high level warning device.
   e. Protect the work area.
   f. Place spoil or equipment between traffic flow and work area when practical.
5. Pick-up
   a. Reverse set-up procedures indicated in #4 above.
### KEY:

Road Class Definitions:

- **Class I**: Central Business District
- **Class II**: Arterial Streets
- **Class III**: All partially or fully controlled access arterial streets

*Advanced warning signs if feasible
**Vertical barricades, cones, tubular guideposts

<table>
<thead>
<tr>
<th>CLASS OF ROAD</th>
<th>WARNING SIGN SPACING IN FEET</th>
<th>TAPER LENGTH (L) IN FEET</th>
<th>CHANNELIZING DEVICE SPACING IN FEET (maximum)</th>
<th>WARNING SIGN MIN. SIZE IN INCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>Lane Width</td>
</tr>
<tr>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td>10'</td>
</tr>
<tr>
<td>II</td>
<td>150</td>
<td>150</td>
<td>75</td>
<td>150</td>
</tr>
<tr>
<td>III</td>
<td>300</td>
<td>300</td>
<td>150</td>
<td>400</td>
</tr>
</tbody>
</table>
NOTES:
1. FOR NIGHT TIME USAGE, REFER TO "WARNING LIGHT APPLICATIONS DURING NIGHT TIME OPERATIONS", FIGURE X-17.

2. ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES (SEQUENTIAL ARROWS, BARRICADES, STEEL PLATES) MAY BE REQUIRED.

3. CONTACT TRAFFIC SIGNAL OPERATIONS (684-5118) BEFORE CLOSURE OF ANY TRAFFIC LANE CONTROLLED BY SIGNAL LOOP DETECTORS.
NOTE: REFER TO TABLE X-1 FOR TYPICAL DIMENSIONS OF A

SHOULDER WORK

FIGURE X-2
NOTE: REFER TO TABLE X-1 FOR TYPICAL
DIMENSIONS OF A & L

WORK AREA ON RIGHT SIDE OF STREET
MINOR ARTERIAL

FIGURE X-3
**shall obtain traffic engineer's permission**

**use slotted sign with tubular marker in limited space locations**

**note:** refer to table x-1 for typical dimensions of a, b, c, & l

right lane closure

4 - lane, 2 - way street

figure x-4
NOTE: REFER TO TABLE X-1 FOR TYPICAL
DIMENSIONS OF A, B, C, & L

LEFT LANE CLOSURE
4 - LANE, 2 - WAY STREET

FIGURE X-5
NOTE: REFER TO TABLE X-I FOR TYPICAL DIMENSIONS OF A & L

WORK AREA IN CENTER OF STREET

FIGURE X-6
NOTE: REFER TO TABLE X-I FOR TYPICAL DIMENSIONS OF A, B, C, & L

CENTER LANE CLOSURE
ONE-WAY STREET

FIGURE X-7
NOTE: REFER TO TABLE X-1 FOR TYPICAL DIMENSIONS OF A, B, C, & L.

MULTIPLE LANE CLOSURE
ONE-WAY STREET

FIGURE X-8
NOTE: REFER TO TABLE X-I FOR TYPICAL DIMENSIONS OF A, B, C, & L

TWO WAY LEFT TURN LANE CLOSURE

-47-  FIGURE X-10
R007-L * TYPICAL
* SHALL OBTAIN TRAFFIC ENGINEER’S PERMISSION

T019-R OR

SEQUENTIAL ARROW PANEL TYPICAL

NOTE: REFER TO TABLE X-1 FOR TYPICAL DIMENSIONS OF A & L

WORK AREA IN CENTER OF INTERSECTION

FIGURE X-11 -48-
NOTE: REFER TO TABLE X-I FOR TYPICAL DIMENSIONS OF A, B, C & L

WORK AREA BEYOND INTERSECTION
CURB LANE

FIGURE X-12

-49-
NOTE: REFER TO TABLE X-1 FOR TYPICAL DIMENSIONS OF A, B, C & L

WORK AREA BEYOND INTERSECTION
CENTER LANE

FIGURE X-13
NOTE: REFER TO TABLE X-1 FOR TYPICAL DIMENSIONS OF A, B, C & L

WORK AREA BEYOND INTERSECTION
CENTER LANE (LEFT TURN PROVIDED)

FIGURE X-14
One Lane, Two-Way Operation

Flagger Station shall be in line of sight of approaching vehicles.

Note: Refer to Table X-1 for typical dimensions of A, B, C & L.

Horizontal Curve (Illustrated)
Vertical Curve (Similar)

Figure X-15
NOTE: REFER TO TABLE X-I FOR TYPICAL DIMENSIONS OF A & L

SURVEY CREW
ARterial STREET

FIGURE X-16
WARNING LIGHT APPLICATIONS DURING NIGHT TIME OPERATIONS.

FIGURE X-17

- TAPER - TANGENT - TAPER - TANGENT

TYPE A - LOW LEVEL FLASHER
TYPE B - HIGH INTENSITY FLASHER
TYPE C - LOW LEVEL STEADY BURNING

HIGH LEVEL WARNING DEVICE WITH TYPE B WARNING LIGHT

TYPE C WARNING LIGHTS
VERTICAL PANEL BARRICADES
TANGENT
TAPER

WORK SITE PROTECTION
TYPE B WARNING LIGHTS
HORIZONTAL BARRICADES
HORIZONTAL BARRICADES