XI. BARRICADING AND SIGN ILLUSTRATIONS

The illustrations contained herein are meant to indicate typical situations and utilization of the traffic control devices described in the text. The use of certain traffic control devices for specific situations is not intended to exclude the use of those traffic control devices for other situations. At all times, however, practices prescribed in the text shall be adhered to. The following is a list of procedures for 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. Through the taper section install arrow signs (W4-119) spaced at 3S. (See Table XI - 1)
   - c. All signs shall be reflectorized, except those controlling parking and pedestrians.
   - d. Install a flashing yellow warning 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.

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 soil or equipment between traffic flow and work area when practical.

5. **Pick up**
   - a) Reverse set up procedure indicated in #4 above.
ROAD CLASS DEFINITIONS

CLASS I – Central Business District, University District
CLASS II – Arterial Streets
CLASS III – All partially or full controlled access arterial streets

* Advance warning sign spacing depends on availability of curb space

** Vertical barricades, cones, tubular guideposts
XI. Barricading and Sign Illustrations

WORK AREA

TRAFFIC SIGNS (ARROW DIRECTION INDICATES SIGN ORIENTATION)

CHANNELIZATION DEVICES (TRAFFIC CONES, DELINEATOR POSTSM DRUMS, VERTICAL PANELS, ETC)

FLAGGER (COUNTERMANDING TRAFFIC SIGNALS REQUIRES OFF-DUTY LAW ENFORCEMENT OFFICER)

SURVEY FOREMAN

TOTAL STATION INSTRUMENT

SEQUENTIAL ARROW PANEL

NOTES:

1. FOR NIGHT TIME USAGE, REFER TO 'WARING 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 LANES CONTROLLED BY SIGNAL LOOP DETECTORS.

SYMBOLS AND LEGENDS

(Figure XI - 1)
Refer to Figure X - 2 for typical dimensions of A & L lane closure on a two-lane road with AWDT < 800.
REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A & L

WORK AREA ON RIGHT SIDE OF STREET

MINOR ARTERIAL

(Figure XI - 3)
Refer to Figure X-2 for typical dimensions of A, B, C & L right lane closure.

Four lane, two-way street

(Figure XI - 4)
XI. Barricading and Sign Illustrations

REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L

LEFT LANE CLOSURE

FOUR LANE, TWO-WAY STREET

(Figure XI - 5)
REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A & L
WORK AREA IN CENTER OF STREET
MINOR ARTERIAL

(Figure XI - 6)
XI. Barricading and Sign Illustrations

REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L

CENTER LANE CLOSURE
ONE-WAY STREET
REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L
MULTIPLE LANE CLOSURE
ONE-WAY STREET

(Figure XI - 8)
XI. Barricading and Sign Illustrations

REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L
TRAFFIC SHIFT OVER CENTERLINE

(Figure XI - 9)
REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L
TWO-WAY LEFT TURN LANE CLOSURE
TWO-WAY STREET
(Figure XI - 10)
REFER TO FIGURE X - 2 FOR
TYPICAL DIMENSIONS OF A, B, C & L
WORK AREA IN CENTER OF INTERSECTION

(Figure XI - 11)
REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L WORK AREA BEYOND INTERSECTION CURB LANE

(Figure XI - 12)
REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L

WORK AREA BEYOND INTERSECTION CENTER LANE

(Figure XI - 13)
Refer to Figure X - 2 for typical dimensions of A, B, C & L. Work area beyond intersection center lane (left turn provided).
XI. Barricading and Signing Illustrations

REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A, B, C & L

ONE LANE ROAD, TWO-WAY OPERATION
HORIZONTAL CURVE (ILLUSTRATED)
VERTICAL CURVE (SIMILAR)

FLAGGER STATION SHALL BE IN LINE OF SIGHT OF APPROACHING VEHICLES

W20 - 1
W20 - 4
W20 - 7
W4 - 119
REFER TO FIGURE X - 2 FOR TYPICAL DIMENSIONS OF A & L

SURVEY CREW
ARTERIAL STREET

(Figure XI - 16)