

## 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.



(Table XI - 1)

CLASS OF ROAD	WARNING SIGN SPACING IN FEET			TAPER LENGTH (L) IN FEET		CHANNELIZING DEVICE SPACING IN FEET (maximum)				WARNING SIGN MIN. SIZE IN INCHES
						VEHICLE BARRICADES & DRUMS		OTHER**		
	A	B	C	10'	12'	Taper (S)	Tangent	Taper (S)	Tangent	
I	*			75	90	Speed limit	Speed limit X 2	15	30	30X30
II	150	150	75	150	200	Speed limit	Speed limit X 2	20	50	30X30
III	350	350	350	450	540	Speed limit	Speed limit X 2	30	80	48X48

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



	WORK AREA
	TRAFFIC SIGNS (ARROW DIRECTION INDICATES SIGN ORIENTATION)
	CHANNELIZATION DEVICES (TRAFFIC CONES, DELINEATOR POSTS, DRUMS, VERTICAL PANELS, ETC)
	FLAGGER (COUNTERMANDING TRAFFIC SIGNALS REQUIRES OFF-DUTY LAW ENFORCEMENT OFFICER)
	SURVEY FOREMAN
	TOTAL STATION INSTRUMENT
	SEQUENTIAL ARROW PANEL

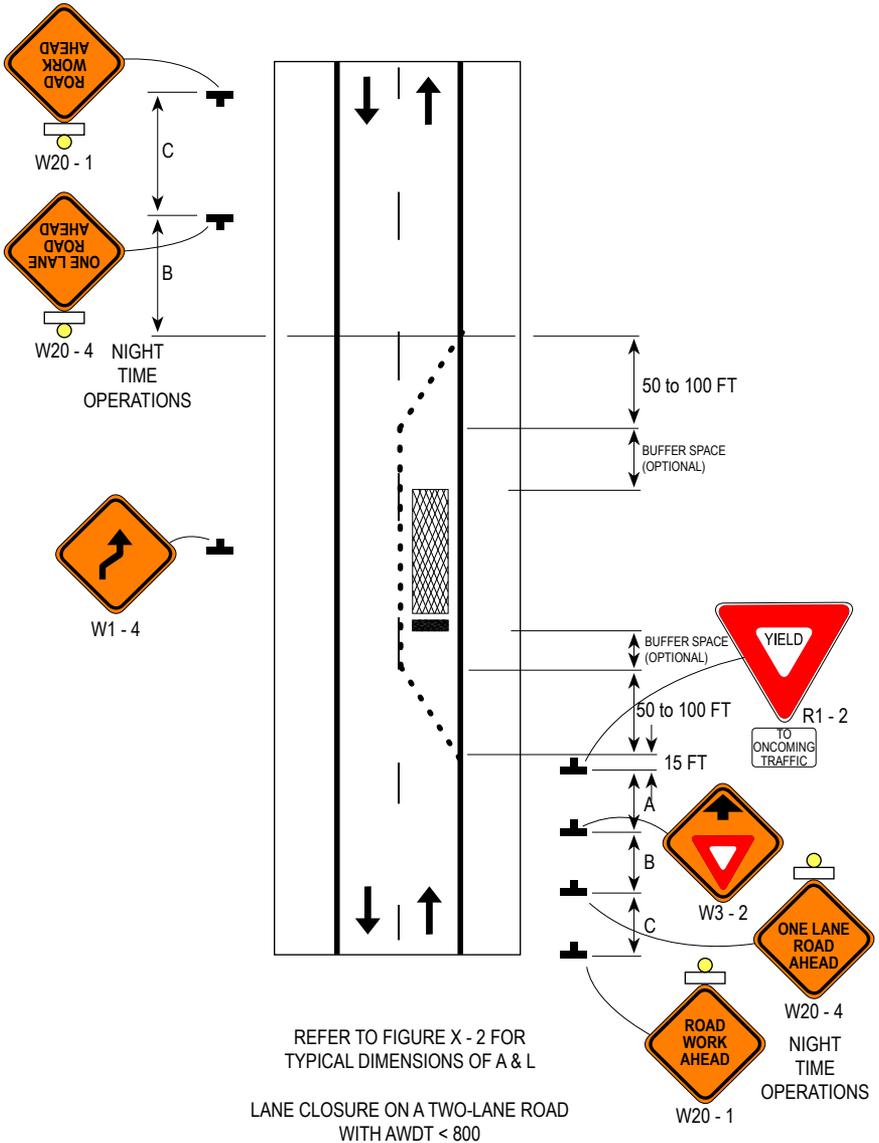
NOTES:

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

SYMBOLS AND LEGENDS

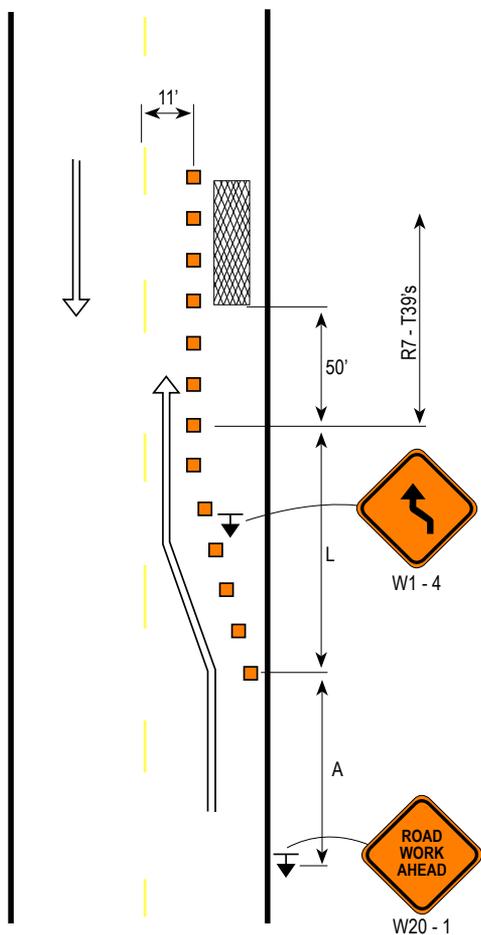
(Figure XI - 1)





(Figure XI - 2)





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

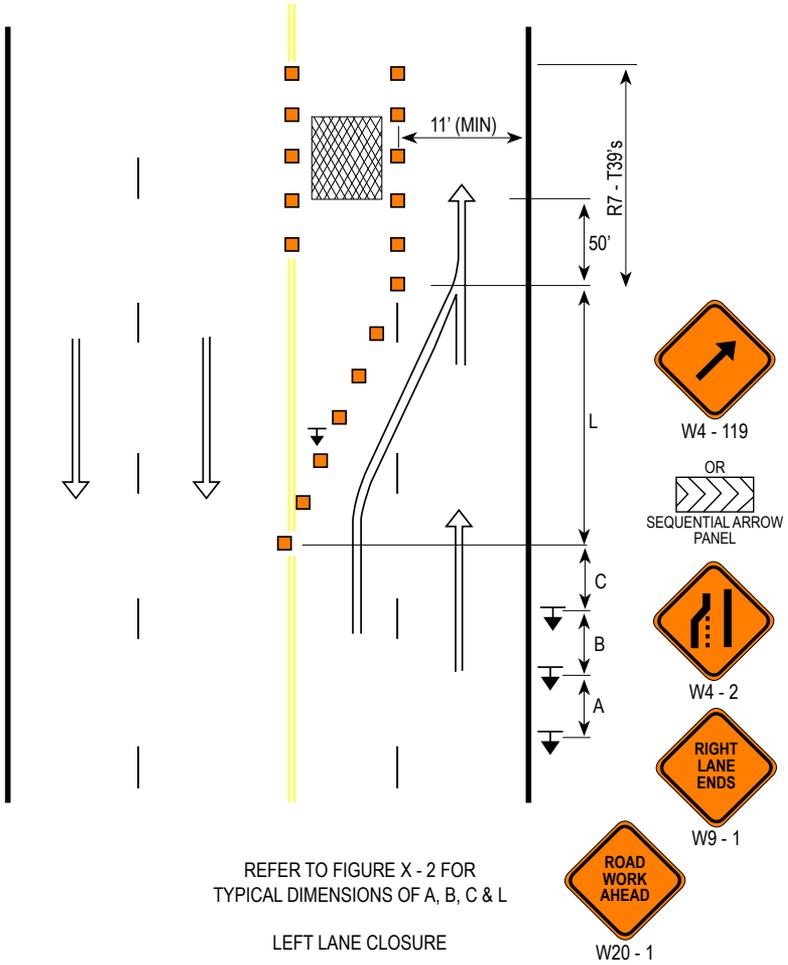
WORK AREA ON RIGHT SIDE OF STREET

MINOR ARTERIAL

(Figure XI - 3)







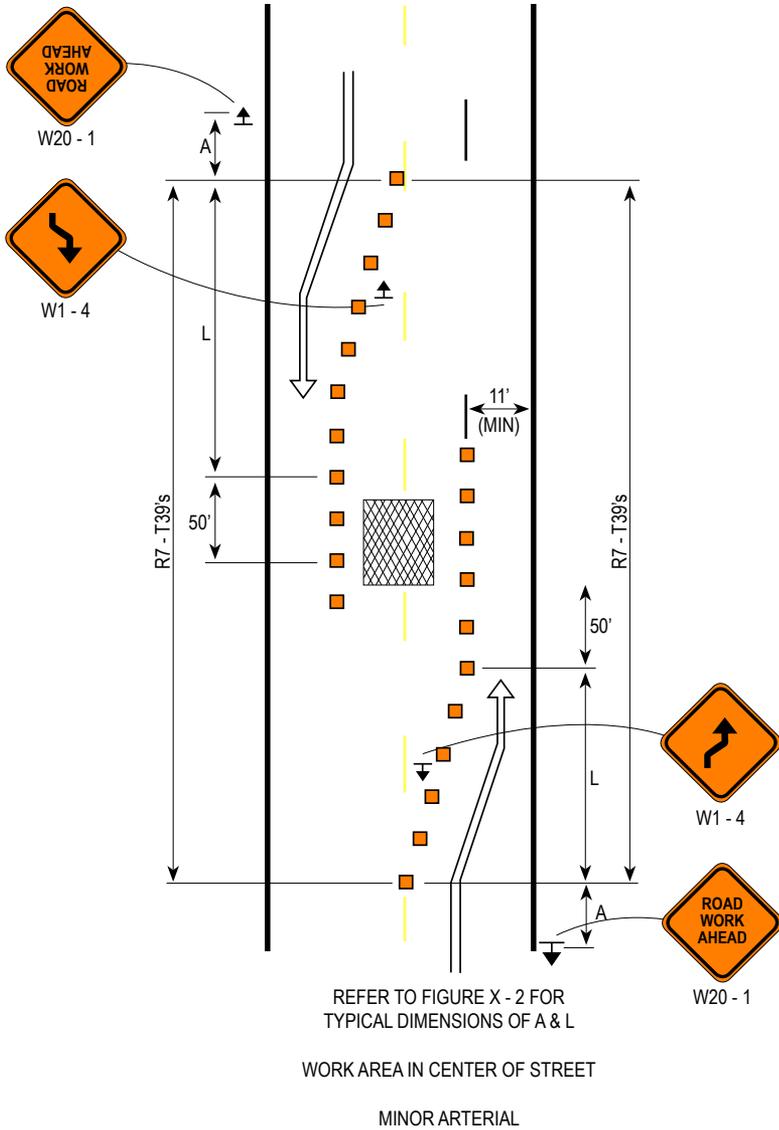
REFER TO FIGURE X - 2 FOR  
TYPICAL DIMENSIONS OF A, B, C & L

LEFT LANE CLOSURE

FOUR LANE, TWO-WAY STREET

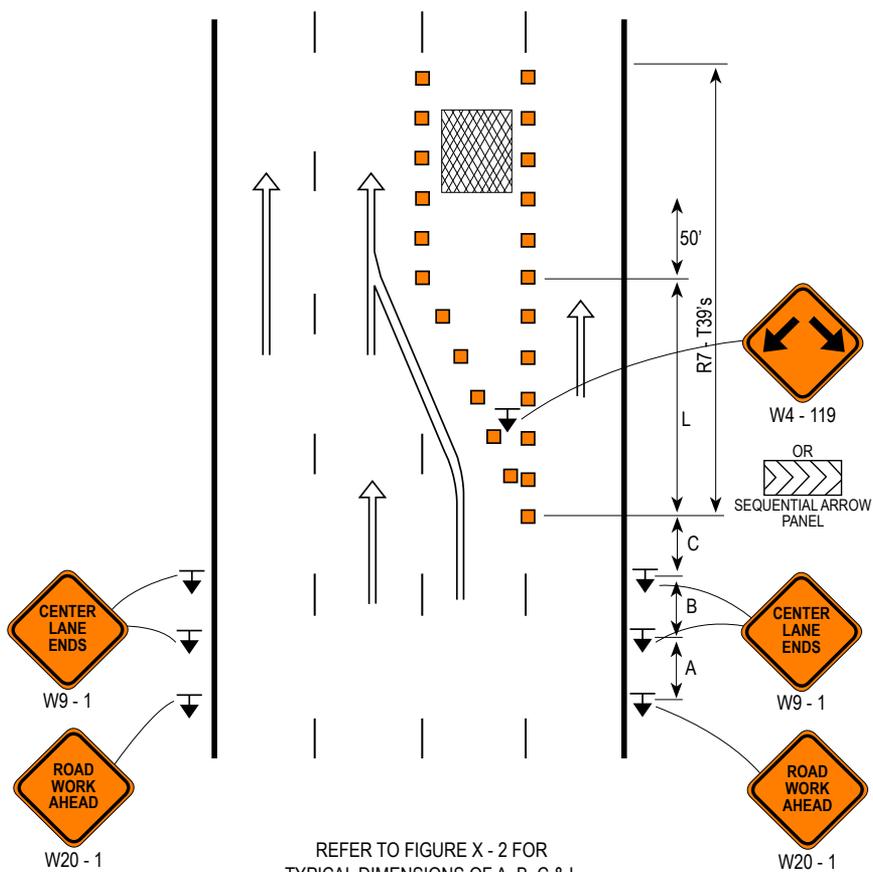
(Figure XI - 5)





(Figure XI - 6)





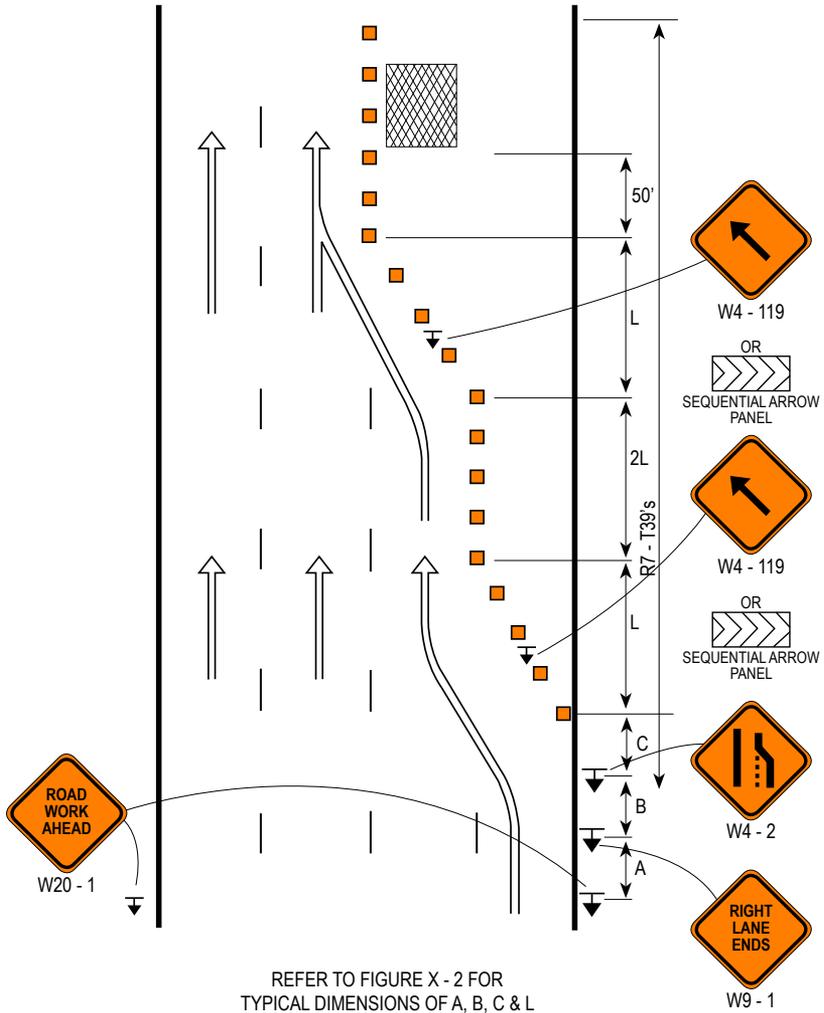
REFER TO FIGURE X - 2 FOR  
TYPICAL DIMENSIONS OF A, B, C & L

CENTER LANE CLOSURE

ONE-WAY STREET

(Figure XI - 7)



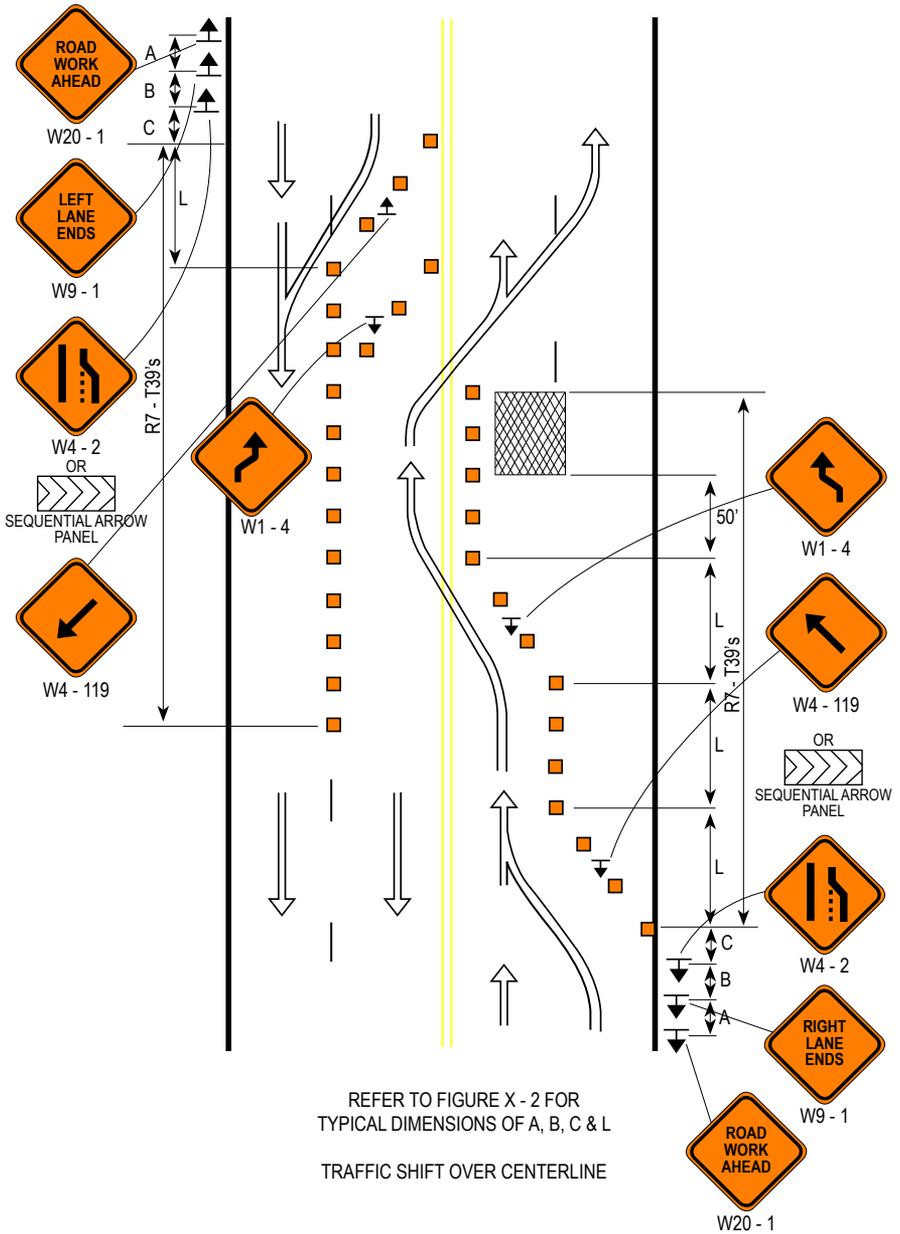


MULTIPLE LANE CLOSURE

ONE-WAY STREET

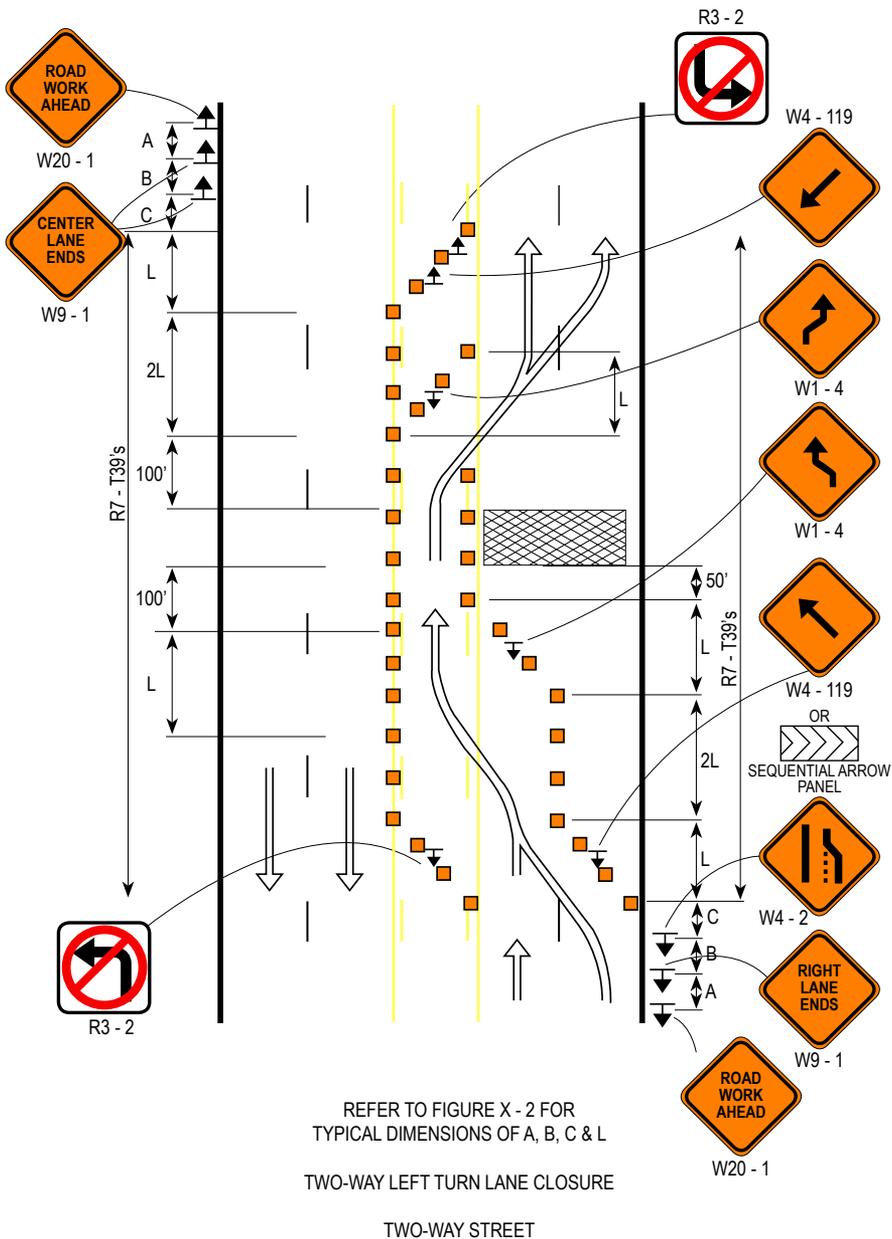
(Figure XI - 8)





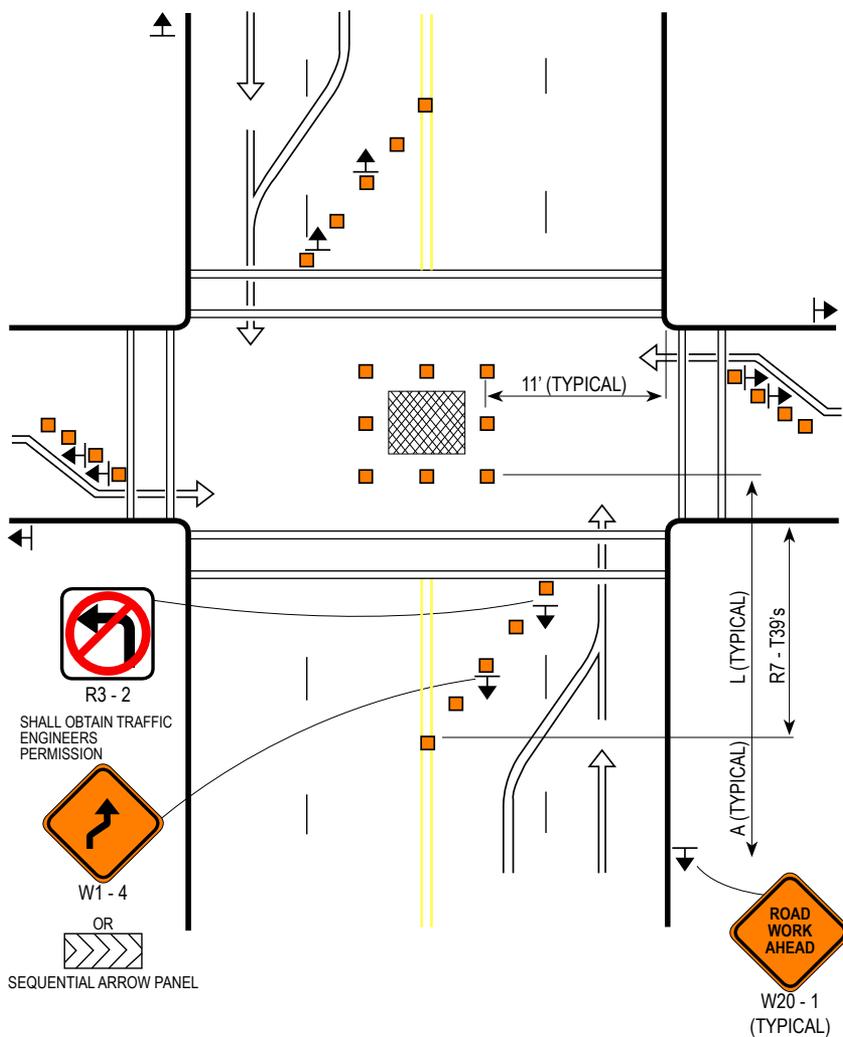
(Figure XI - 9)





(Figure XI - 10)

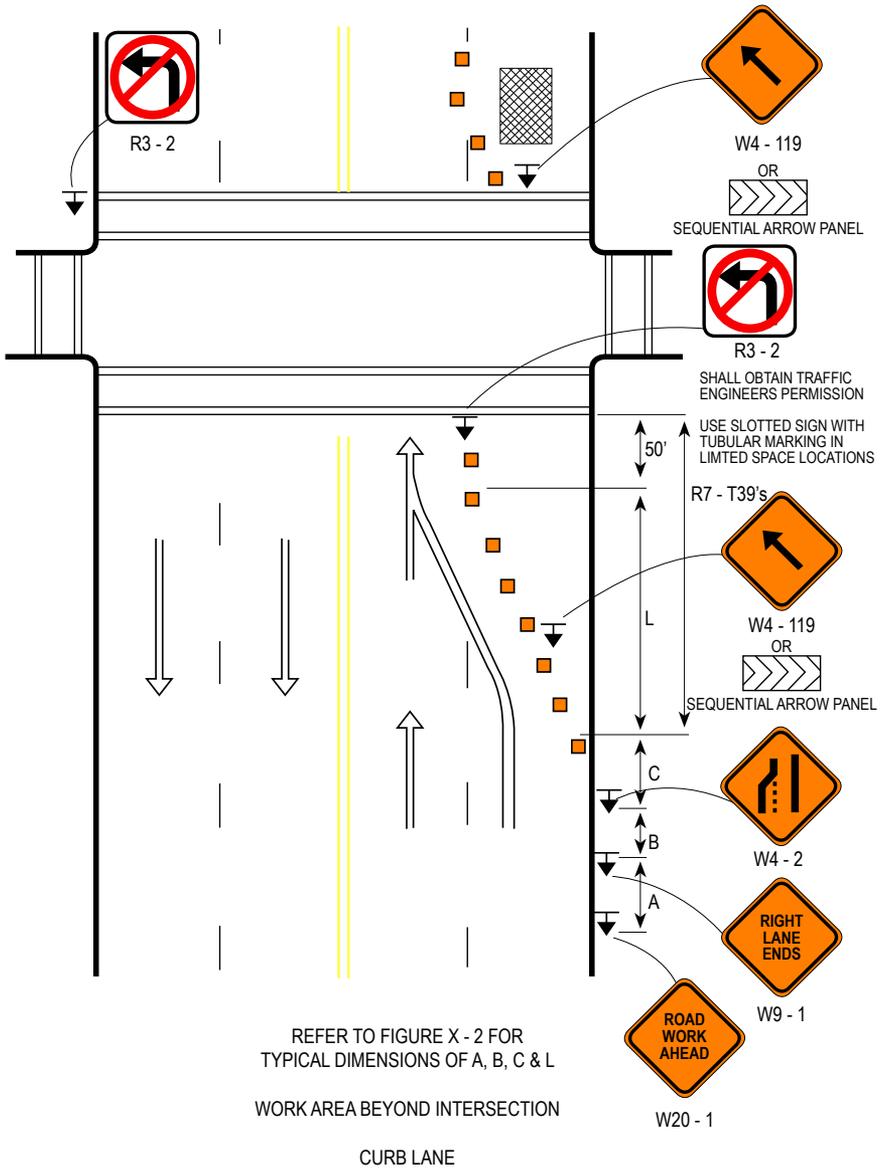




REFER TO FIGURE X - 2 FOR  
TYPICAL DIMENSIONS OF A, B, C & L  
WORK AREA IN CENTER OF INTERSECTION

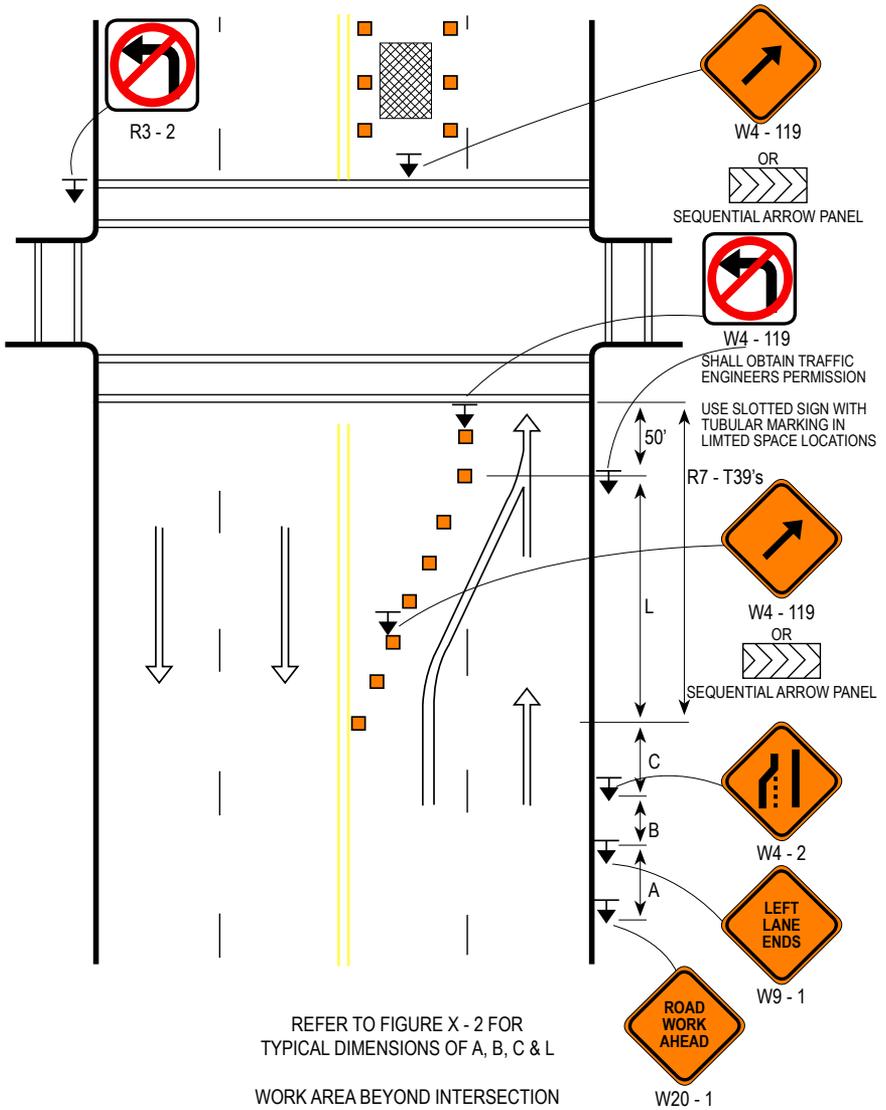
(Figure XI - 11)





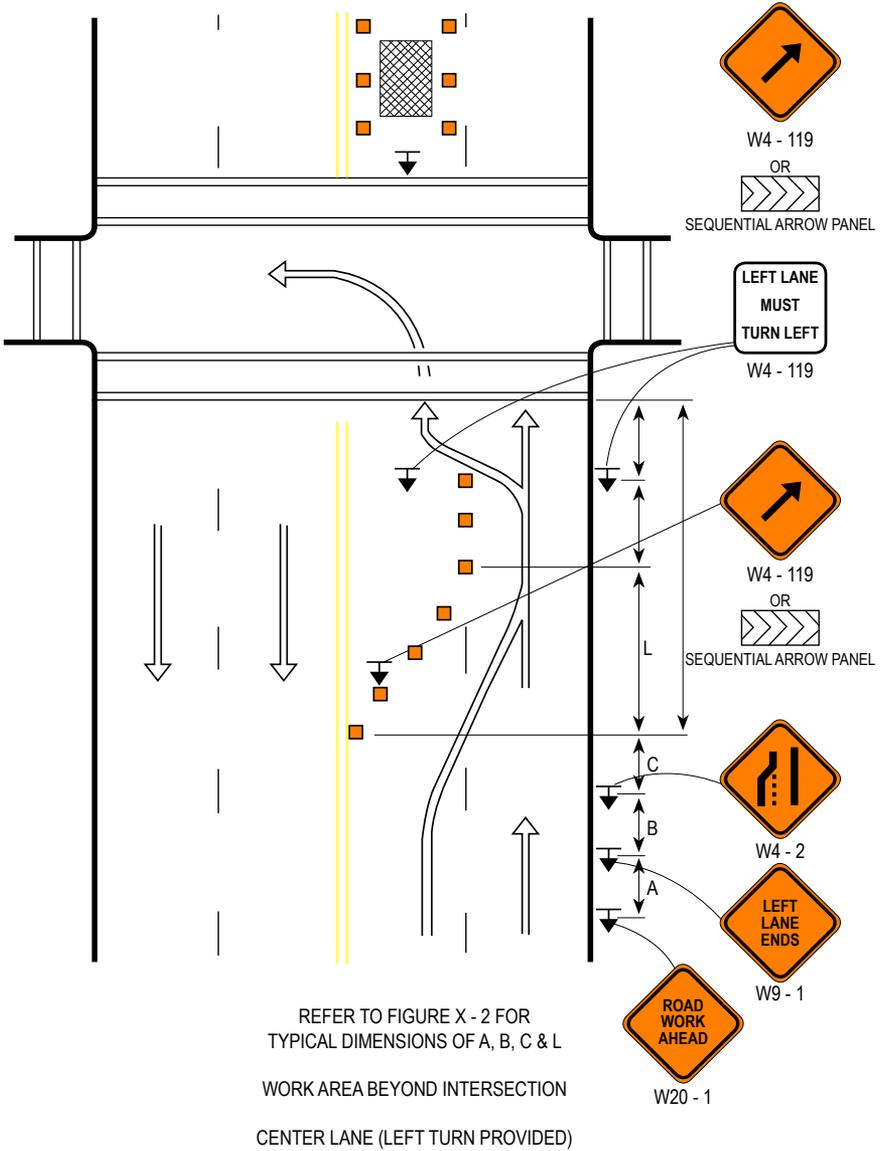
(Figure XI - 12)





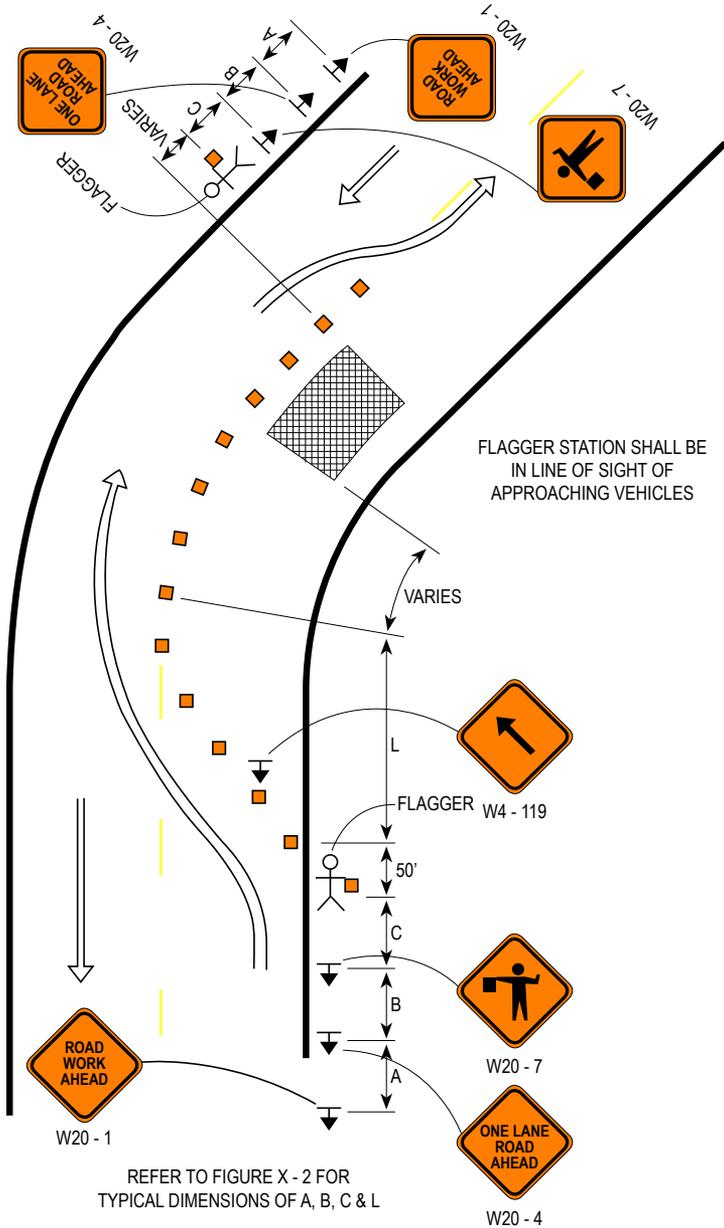
(Figure XI - 13)





(Figure XI - 14)

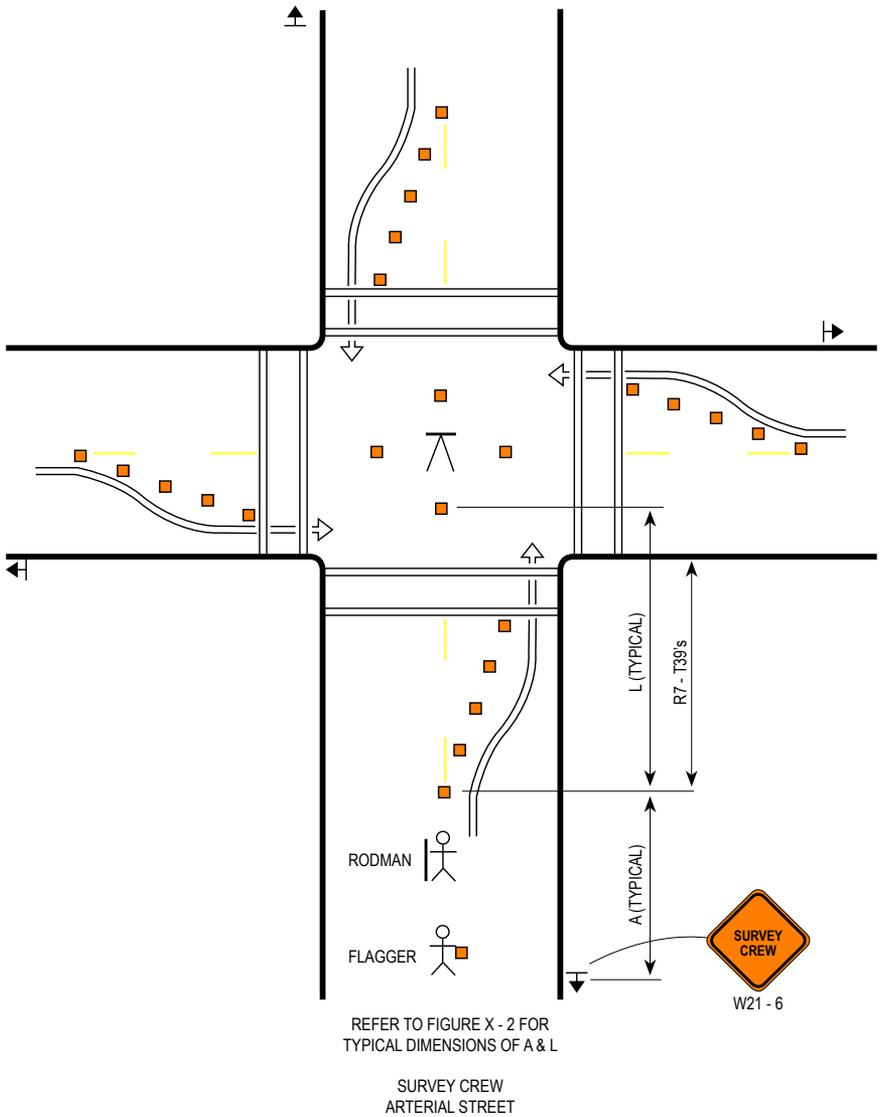




ONE LANE ROAD, TWO-WAY OPERATION  
HORIZONTAL CURVE (ILLUSTRATED)  
VERTICAL CURVE (SIMILAR)

(Figure XI - 15)





(Figure XI - 16)

