



DETOUR

ROAD CLOSED TO THRU TRAFFIC

13th ST

Massachusetts

DETOUR AHEAD

ROAD CLOSED AHEAD

See Typical Lane Drop

RIGHT LANE CLOSED AHEAD

ROAD WORK AHEAD



W 11th St

DETOUR
↓

ROAD CLOSED
AHEAD

DETOUR
AHEAD

DETOUR
→

ROAD CLOSED
THRU TRAFFIC

ROAD
CLOSED

W North Park St

W 12th St

Vermont St

ROAD
CLOSED

W South Park St

E South Park St

Ohio St

DETOUR
→

DETOUR
↑

DETOUR
←

ROAD CLOSED
TO THRU TRAFFIC

W 13th St

E 13th St

See attachment

DETOUR
AHEAD

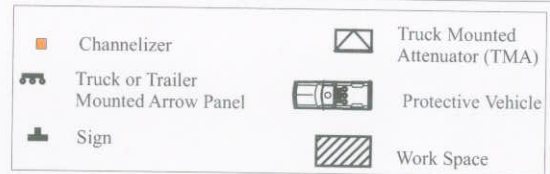
ROAD
CLOSED
AHEAD

616.23.3.12 (TA-12) Lane Closure on Left or Right Lane on Divided Highway

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	Undivided (S)	Divided (S)	Shoulder ¹ (T1)	Lane ² (T2)		Tapers	Buffer/ Work Areas
0-35	-	200	70	245	250	35	50
40	-	500	90	320	305	40	100
45	-	500	150	540	360	45	100
50-55	-	1000	185	660	495	50	100
60-70	SA - 1000, SB - 1500, and SC - 2640		235	840	730	60	100

¹ Shoulder taper length based on 10 ft. (standard shoulder width) offset ² Lane taper length based on 12 ft. (standard lane width) offset

ROADWAY TYPE	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' Portable 7' Post	1 Mi.
RURAL DIVIDED	1' Portable 7' Post	2 Mi.



A protective vehicle **shall** be used while work is in progress. The protective vehicle **shall** be equipped with a TMA and flashing arrow panel and positioned at least 150 ft. in advance of the work space. The protective vehicle **may** be eliminated if the roadway is posted at 45 mph or below, the work vehicle is positioned in advance of the work space, and the work vehicle is equipped with a flashing arrow panel and uses activated rotating lights or strobe lights.

All vehicles, equipment, workers and their activities **should** be restricted to one side of the pavement.

The open lane **shall** be provided with a 10 ft. minimum driving surface at all times. This **may** include a portion of the shoulder, provided the shoulder is of adequate strength to handle traffic.

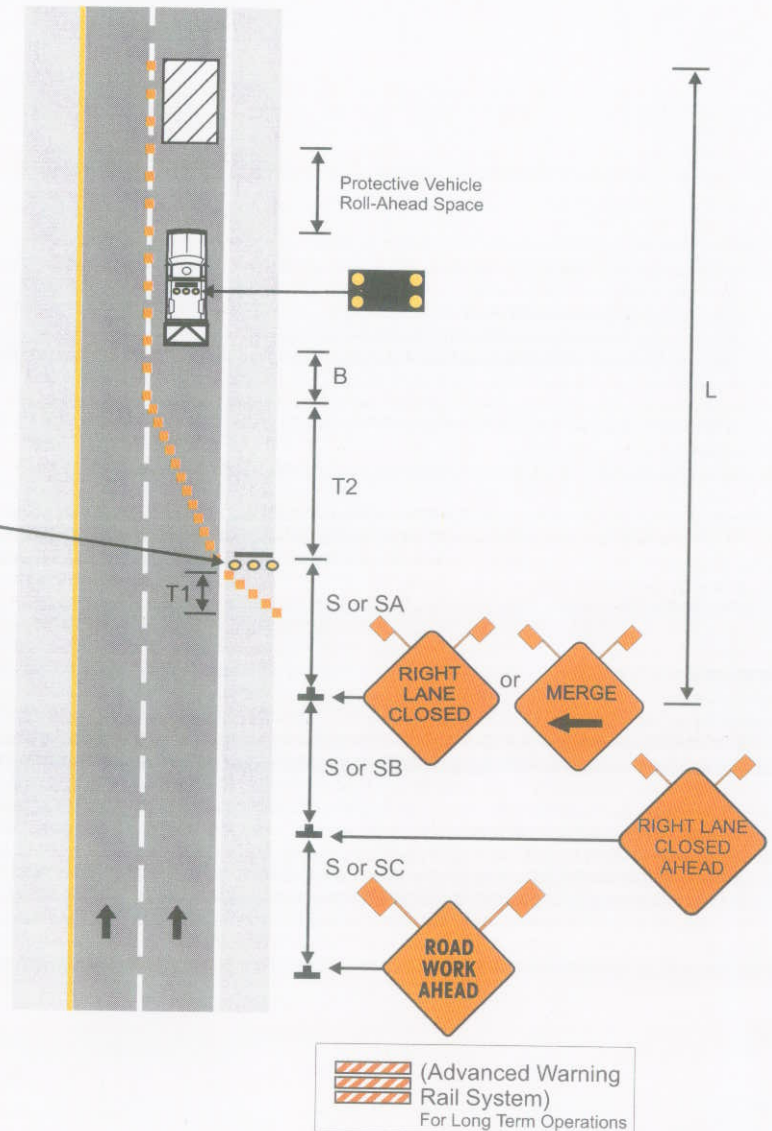
For short duration operations, signs and channelizers **may** be reduced or eliminated.

For mobile operations where workers are on foot and move with the operation, channelizers **may** be reduced or eliminated.

For operations in which channelizers are not used, the arrow mode **shall** be displayed on any flashing arrow panel located downstream of the taper.

Supplemental warning methods **may** be used to call attention to the work zone.

Additional warning signs **shall** be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs **may** be erected at other intersections within the work zone.



For long-term operations, EPG 616.23.2.5.1.4 Flags and Advance Warning Rail System.