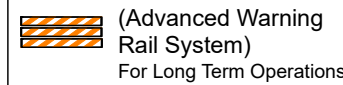


616.8.21 (TA-21) Lane Closure on Near Side of Intersection - MT

SPEED Permanent Posted (mph)	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	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	840	60	120

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

This typical application is applicable to intersections with right of way control on all approaches.



TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' Portable 7' Post	1 Mi.
RURAL DIVIDED	1' Portable 7' Post	2 Mi.
RURAL UNDIVIDED	1' Portable 5' Post	3 Mi.

A protective vehicle shall be used while work is in progress.

The protective vehicle should be equipped with a TMA and shall have a flashing arrow panel and positioned at least 150 feet in advance of the work space, if possible.

The work vehicle may be used as the protective vehicle if all the following conditions are met:

- The roadway is posted at 45 mph or below,
- The work vehicle is positioned at least 150 feet in advance of the work space,
- The work vehicle has a flashing arrow panel, and
- The work vehicle uses activated rotating lights or strobe lights.

Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.

The taper shall direct traffic into either the right or left lane, but not both. The display on the flashing arrow panel shall match the direction of the taper.

In this typical application, a left taper is used so right-turn movements will not impede through traffic. The reverse setup should be used if the volume of left-turn movements are a major concern.

If the work space extends across the crosswalk, the crosswalk should be closed using the information and devices shown in EPG 616.8.29 (TA-29) Crosswalk Closures and Pedestrian Detours.

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.

Where possible, signs should be posted on both sides of the affected approach.

For high speed facilities, channelizer spacing may be reduced to 1/2 spacing noted in table.

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

If rumble strips are used, review EPG 616.6.87 RUMBLE STRIPS.

For long-term operations, refer to EPG 616.6.2.2 Flags and Advance Warning Rail System.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

