

616.8.31 (TA-31) Lane Closure Using Two-Way Left Turn Lane on Undivided Highways - MT

| SPEED | SIGN SPACING (ft.) | | TAPER LENGTH (ft.) | | OPTIONAL | CHANNELIZER SPACING (ft.) | |
|------------------------|--------------------|-------------|--------------------|---------------|-------------------------|---------------------------|--------------------|
| Permanent Posted (mph) | Undivided (S) | Divided (S) | Shoulder (1) (T1) | Lane (2) (T2) | BUFFER LENGTH (ft.) (B) | Tapers | Buffer/ Work Areas |
| 0-35 | 200 | - | 70 | 245 | 280 | 35 | 40 |
| 40-45 | 350 | - | 150 | 540 | 400 | 40 | 80 |
| 50-55 | 500 | - | 185 | 660 | 560 | 50 | 80 |
| 60-70 | 1000 | - | 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.

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

● Channelizer
 Sign
 Truck or Trailer
 Mounted Arrow Panel
 Protective Vehicle
 Truck Mounted Attenuator (TMA)
 Work Space

(Advanced Warning Rail System) For Long Term Operations

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

The protective vehicle should be equipped with a TMA and flashing arrow panel and positioned at least 150 ft. 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 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.

Channelizer spacing may be reduced to discourage turning traffic from entering the two-way left turn lane.

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.

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.

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.

