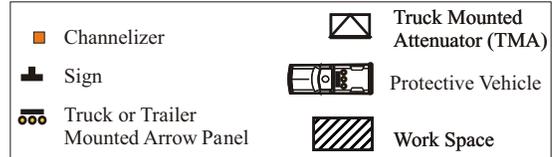


616.23.3.10 (TA-10) Operations in Two-Way Left Turn Lane on Multi-Lane Undivided Highways

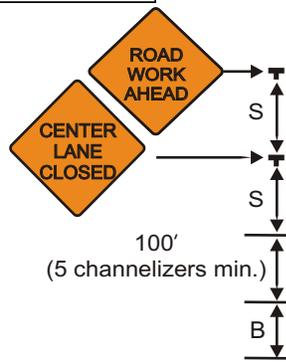
| SPEED | SIGN SPACING (ft.) | | TAPER LENGTH (ft.) | | OPTIONAL BUFFER LENGTH (ft.) (B) | CHANNELIZER SPACING (ft.) | |
|-------|--------------------|-------------|----------------------------|------------------------|----------------------------------|---------------------------|--------------------|
| | Undivided (S) | Divided (S) | Shoulder ¹ (T1) | Lane ² (T2) | | Tapers | Buffer/ Work Areas |
| 0-35 | 200 | - | - | - | 120 | - | 50 |
| 40-45 | 350 | - | - | - | 220 | - | 100 |
| 50-55 | 500 | - | - | - | 335 | - | 100 |
| 60-70 | 1000 | - | - | - | 550 | - | 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 UNDIVIDED | 1' Portable 5' Post | 3 Mi. |



A protective vehicle **shall** be used in each direction while work is in progress. Each 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 a flashing arrow panel is used, the caution mode **shall** be displayed.



Channelizer spacing **may** be reduced to discourage turning traffic from entering into activity area.

For short duration and mobile operations, signs and channelizers **may** be reduced or eliminated. One protective vehicle **may** be eliminated if the roadway is posted at 45 mph or below, the work space is located between the remaining protective vehicle and a work vehicle, and both vehicles use activated rotating lights or strobe lights.

For mobile operations where workers are on foot and move with the operation, channelizers **may** be reduced or eliminated. One protective vehicle **may** be eliminated if the roadway is posted at 45 mph or below, the work space is located between the remaining protective vehicle and a work vehicle, and both vehicles use activated lights or strobe lights.

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.

