

Supporting Figure: Side Roads Entering Work Zones

- **Always use advance warning signs:**
 1. Use EPG 616.17M (TA-17M) Mobile Operation on a Two-lane Highway for placement/removal of advance warning signs.
 2. Do not exceed one mile between flagger and FLAGGER symbol sign.
 3. Channelizers may be reduced or eliminated.
- **Always use a protective vehicle. If available, use a truck/trailer mounted attenuator (TMA):**
 1. Activate high intensity rotating, flashing, oscillating, or strobe lights.
 2. Position the protective vehicle with TMA if available a minimum of 150 feet behind the work space, if possible.
 3. If the protective vehicle is equipped with a TMA, place a static sign under the arrow board.
 4. Operate the flashing arrow panel in the four-corner or alternating diamond caution mode.
- **Consider using a pilot vehicle for lengthy or difficult work zones to navigate:**
 1. If entrances are within the work zone, run the pilot vehicle continuously, even if there is not traffic at each end of the work zone.
 2. Use this typical application for state and non-state routes when a pilot vehicle is in use.
 3. Both lanes of traffic may be stopped at the same time for up to a maximum of 15 minutes.
- **Flagger Station:**
 1. Flaggers need to maintain a minimum of 100 feet from any equipment or workers.
 2. Use the 3-2-1 cone process.
 3. Identify an escape route for all flaggers.
- **Notes:** Flaggers and pilot vehicle operators are required to have current flagger certification training.
 1. External flagger training will meet standard specifications section located in section 616.4.3.
 2. Internal flaggers will be trained in accordance with EPG 616.5.1.

For other operations, refer to:
<ul style="list-style-type: none">• Mobile:<ol style="list-style-type: none">1. EPG 616.17M (TA-17M) Mobile Operations on a Two-Lane Highway.• Short Duration (60 minutes or less):<ol style="list-style-type: none">1. EPG 616.8.10SD (TA-10SD) Short Duration Lane Closure on a Two-Lane Highway using Flaggers.2. 616.8.10SDTMA (TA-10SDTMA) Short Duration Lane Closure on a Two-Lane Highway using TMA Flaggers.

616.8.10D (TA-10D) Side Roads Entering Work Zones

WO20-1



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WO20-4



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WO20-7



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3-2-1 Cone Procedure



Work Space



Flagger

Channelizer



Sign



Protective Vehicle



Truck/Trailer Mounted Attenuator (TMA)

30 Feet

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STATE ROAD

3-2-1 Cone Procedure

Tapers consist of 5 channelizers spaced 20 feet apart for length of 100 feet.

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Minimum 150 Feet

Channelizers spaced approximately 5 feet apart.

Channelizers extend approximately 20 feet past the entrance width.

NON-STATE ROAD

40 - 150 Feet

PILOT CAR IN USE
WAIT & FOLLOW
GO20-4a

3-2-1 Cone Procedure

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SPEED	SIGN SPACING (ft.)
Normal Posted (mph)	Undivided (S)
0-35	200
40-45	350
50-55	500
60-70	1000

Date:

Type of Work:

Location:

Work Zone Specialist:

Field Notes: