

616.8.10SAFAD (TA-10SAFAD) Stationary Lane Closure on a Two-Lane Highway using Automated Flagger Assistance Devices (AFADs)

- **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. 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/TMA a minimum of 150 feet in advance of the work space, if possible.
 3. If used, 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.**
- **AFAD operators:**
 1. Maintain an unobstructed view of the AFAD they are controlling.
 2. Maintain an unobstructed view of approaching traffic.
- **Do not use AFADs for long-term stationary operations.**
- **Notes:**
 1. Flaggers and pilot vehicle operators are required to have current flagger certification training.
 - a. External flagger training will meet standard specifications located in section 616.4.3.
 - b. Internal flaggers will be trained in accordance with EPG 616.5.1.
 2. Supporting Figure: Side Roads Entering Work Zones.
 3. One or both lanes of traffic may be stopped at the same time for up to a maximum of 15 minutes.
- **If an AFAD becomes inoperable, refer to:**
 1. EPG 616.8.10S (TA-10S) Stationary Lane Closure on a Two-lane Highway using Flaggers.

For other operations, refer to:
<ul style="list-style-type: none">• 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. EPG 616.8.10TMASD (TA-10TMASD) Short Duration Lane Closure on a Two-Lane Highway using TMA Flaggers.3. EPG 616.8.10SDAFAD (TA-10SDAFAD) Short Duration Lane Closure on a Two-Lane Highway using Automated Flagger Assistance Devices.• Long-term Stationary Operations:<ol style="list-style-type: none">1. EPG 616.8.12 (TA-12) Lane Closure on a Two-Lane Highway using Traffic Control Signals.

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SPEED	SIGN SPACING (ft.)	TAPER LENGTH (ft.)		RECOMMENDED	CHANNELIZER SPACING (ft.)	
Permanent Posted (mph)	Undivided (S)	Shoulder (1) (T1)	Lane (2) (T2)	Buffer Length (ft.) (B)	Tapers	Buffer/ Work Areas
0-35	200	35	100	250	25	40
40-45	350	35	100	360	25	80
50-55	500	35	100	495	25	80
60-70	1000	35	100	730	25	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.

