616.8.46S (TA-46S) Stationary Work in the Vicinity of a Railroad Grade Crossing

- **Always contact the railroad company or light transit agency before work starts.**

- **Do not allow equipment or vehicles in the active work zone to stop within the grade crossing.**

- **Always use advance warning signs:**
    1. Use EPG 616.17M (TA-17M) Mobile Operation on Two-lane Highways 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/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.**

- **Flagger Station:**
    1. Flaggers will maintain a minimum of 100 feet from any equipment or workers.
    2. Use the 3-2-1 cone procedure.
    3. Identify an escape route for all flaggers.
    4. Illuminate flagger stations at night, except in emergencies.

- **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.

For other operations, refer to:
• **Mobile:** 1. EPG 616.8.17M (TA-17M) Mobile Operation on a Two-Lane Highway. • **Short Duration (60 minutes or less):** 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.

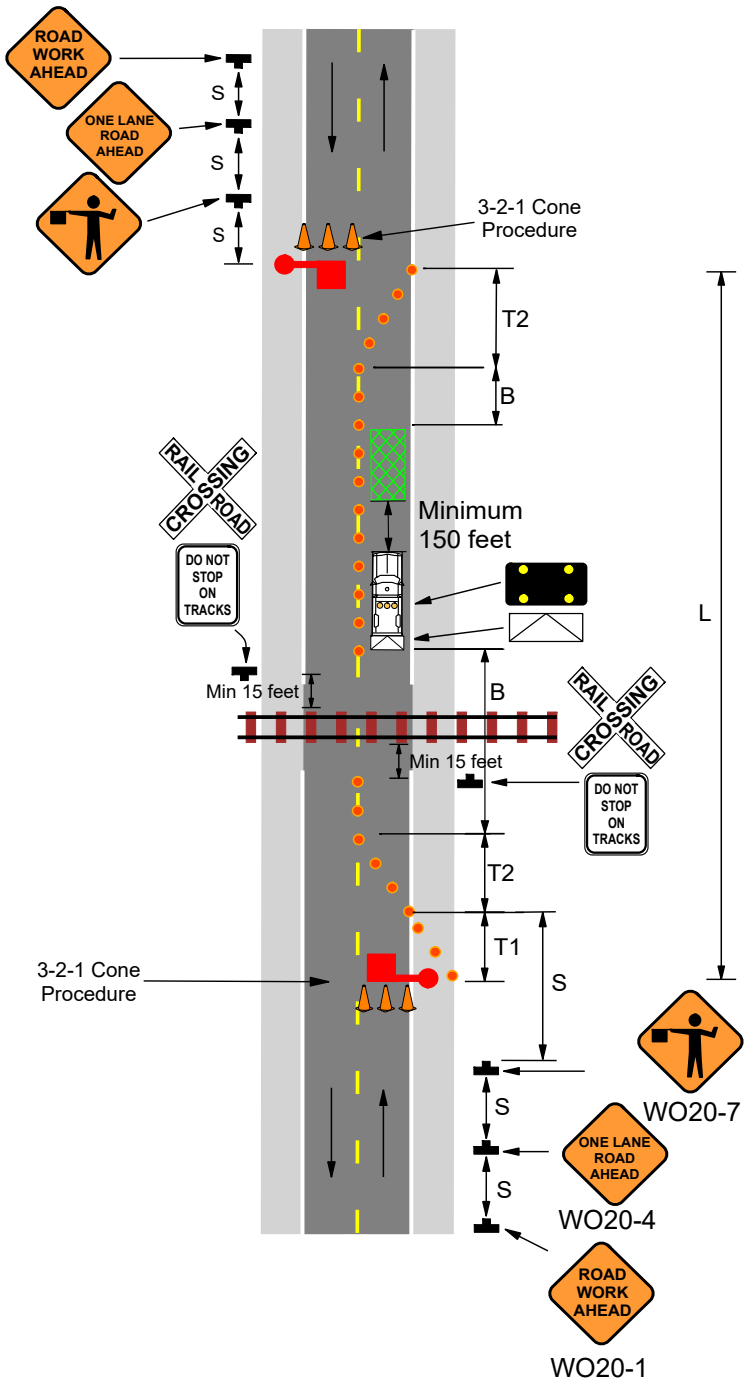
616.8.46S (TA-46S) Stationary Work in the Vicinity of a Grade Crossing

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		RECOMMENDED	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	-	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.

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
Flagger
Protective Vehicle
Truck/Trailer Mounted Attenuator (TMA)
Work Space



Date:

Type of Work:

Location:

Work Zone Specialist:

Field Notes: