

616.8.5B (TA-5B) Long-Term Shoulder Closure with Temporary Traffic Barrier

- **Always use advance warning signs:**
 1. Set additional warning signs at each intersection with another state highway within the work zone.
 2. ROAD NARROWS sign should be used when the lane widths are reduced.
 3. ROAD WORK AHEAD sign is not needed if shoulder work is located within the limits of an activity area where another ROAD WORK AHEAD sign is already used.
 4. NEXT XX MILES is required for narrow lane sections more than one mile.
- **Always use channelizers to create a buffer area when using temporary traffic barrier.**
- **Temporary Traffic Barrier:** Use engineering judgement when determining the use of temporary traffic barriers.
 1. A flare rate of 8:1 for the flared concrete barrier is used from the edge of roadway to the limits of the clear zone where the side slope is 6:1 or flatter.
 2. Concrete barrier within the clear zone will use an approved crash cushion when the normal posted speed limit is greater than 35 mph.
 3. Concrete barrier within the clear zone can use either a barrier height transition or an approved crash cushion when the normal posted speed limit is less than or equal to 35 mph.

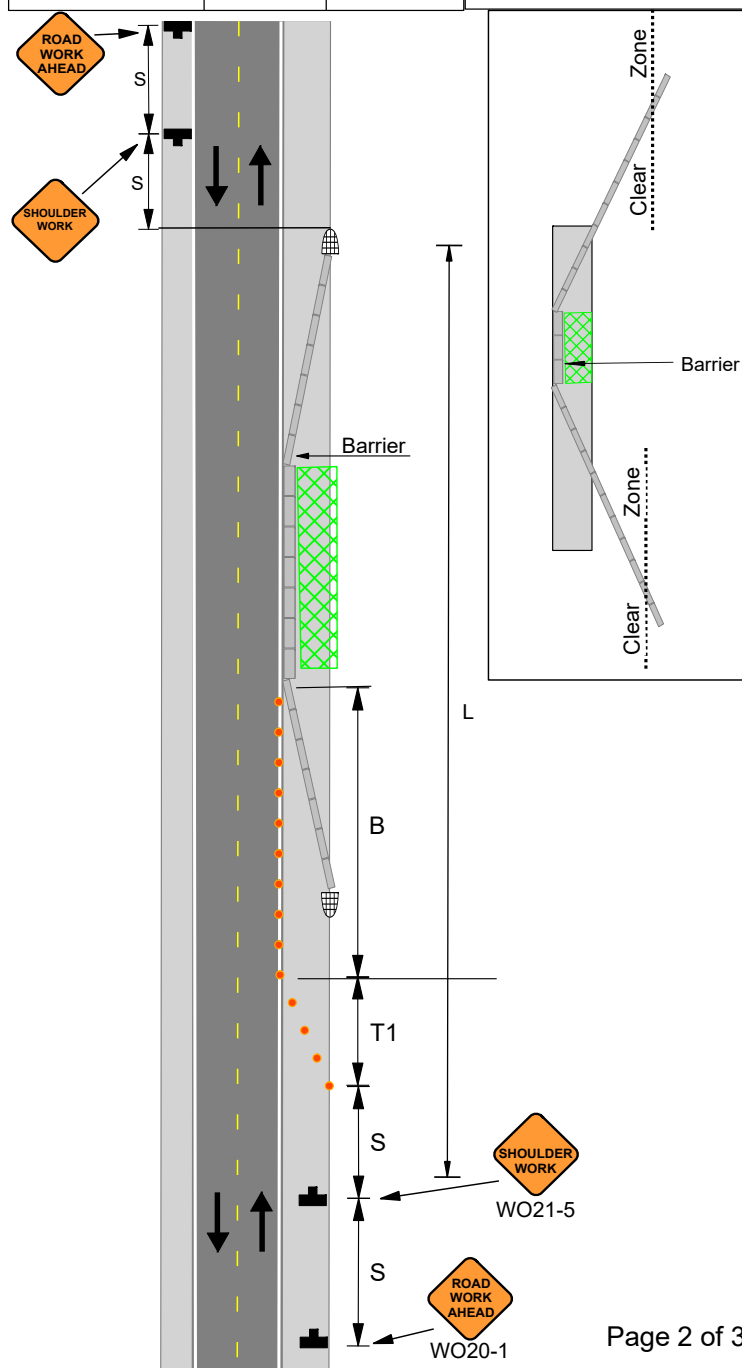
For other operations, refer to:
<ul style="list-style-type: none">• Stationary:<ol style="list-style-type: none">1. EPG 616.8.3S (TA-3S) Stationary Shoulder Work.• Long-Term Stationary Operations:<ol style="list-style-type: none">1. EPG 616.6.2.2 Flags and Advance Warning Rail System.2. EPG 616.6.78 Temporary Markings.• Speed Limit Guidelines:<ol style="list-style-type: none">1. EPG 616.12 Work Zone Speed Limits.

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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	70	-	250	35	40
40-45	350	150	-	360	40	80
50-55	500	185	-	495	50	80
60-70	1000	235	-	730	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)	Channelizer	Crash Cushion
URBAN	7' Post	1 Mi.	Sign	
RURAL UNDIVIDED	5' Post	3 Mi.	Barrier	Work Space



Date:

Type of Work:

Location:

Work Zone Specialist:

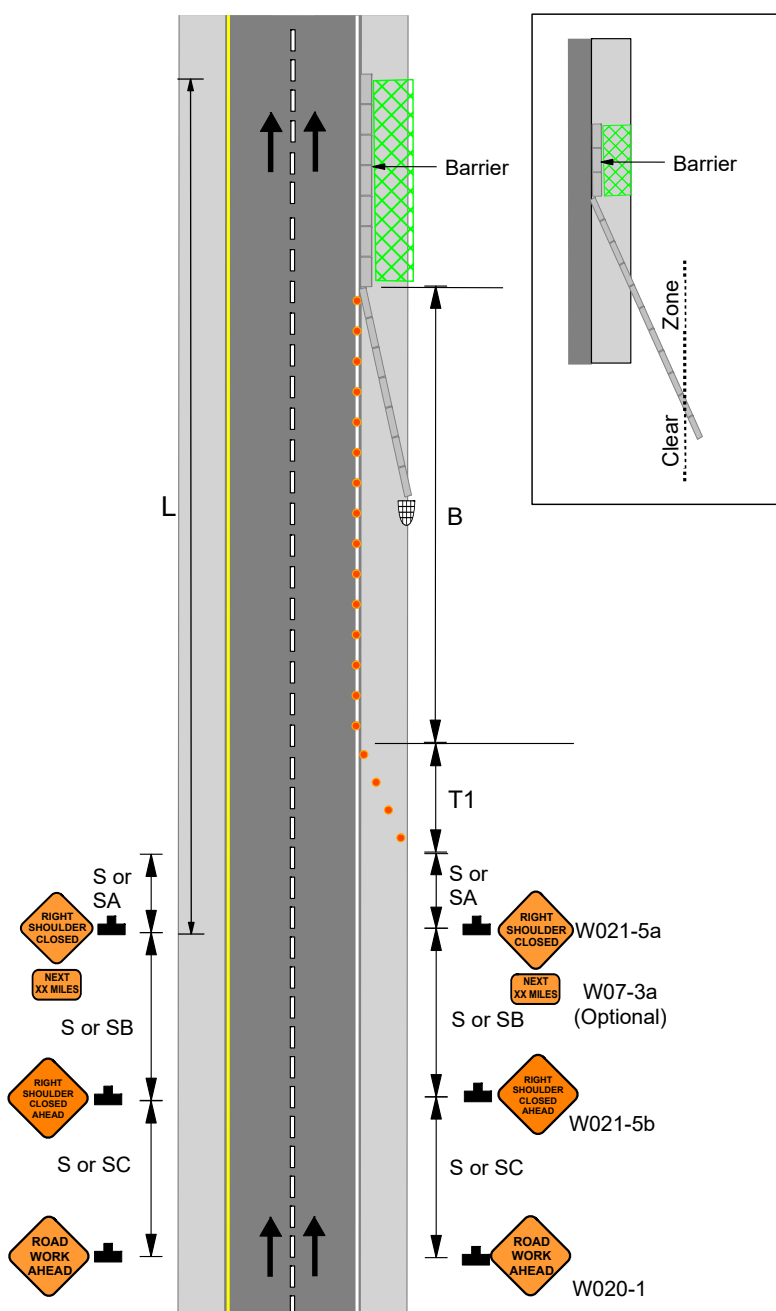
Field Notes:

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SPEED	SIGN SPACING (ft.)	TAPER LENGTH (ft.)		RECOMMENDED	CHANNELIZER SPACING (ft.)	
Permanent Posted (mph)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	Buffer Length (ft.) (B)	Tapers	Buffer/ Work Areas
0-35	200	70	-	250	35	40
40-45	500	150	-	360	40	80
50-55	1000	185	-	495	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	-	730	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)	Channelizer	Crash Cushion	Sign	Barrier	Work Space
URBAN	7' Post	1 Mi.					
RURAL DIVIDED	7' Post	2 Mi.					



Date:

Type of Work:

Location:

Work Zone Specialist:

Field Notes: