

MISSOURI DEPARTMENT of TRANSPORTATION

D6 PERMITS TYPE III COMMERCIAL DRIVE

RECOMMENDED WIDTH 30 FEET

SHEET NO. 1 OF 2

CROSS SECTION	CONDITION		TREATMENT	SIGN	
	DIFFERENTIAL	TIME		MAINLINE (1)	SIDE ROAD (2)
EDGE DROP-OFF	PAVEMENT EDGE DIFFERENTIAL > 2" TO 4 3/4"	NON-WORKING HOURS	WEDGE SLOPE TO 1V:1H OR FLATTER	NO SIGNS REQUIRED	NO SIGNS REQUIRED
		WORKING HOURS	NO EDGE TREATMENT REQUIRED	W08-17 (3) (4) W08-17 (2) (6)	NO SIGNS REQUIRED
EDGE DROP-OFF	PAVEMENT EDGE DIFFERENTIAL > 2" TO 4 3/4"	NON-WORKING HOURS	WEDGE SLOPE TO 1V:1H OR FLATTER	NO SIGNS REQUIRED	NO SIGNS REQUIRED
		WORKING HOURS	NO EDGE TREATMENT REQUIRED	W08-17 (3) (4) W08-17 (2) (6)	NO SIGNS REQUIRED
EDGE DROP-OFF	PAVEMENT EDGE DIFFERENTIAL > 3"	NON-WORKING HOURS	WEDGE SLOPE TO 1V:3H OR FLATTER	NO SIGNS REQUIRED	NO SIGNS REQUIRED
		WORKING HOURS	DELINEATE DIFFERENTIAL WITH CHANNELIZERS	W08-17 (3) (4) W08-17 (2) (6)	W08-1 (3)
EDGE DROP-OFF	PAVEMENT EDGE DIFFERENTIAL > 3"	NON-WORKING AND WORKING HOURS	NO EDGE TREATMENT REQUIRED	NO SIGNS REQUIRED	NO SIGNS REQUIRED
		ANY PAVEMENT EDGE OR LANE LINE DIFFERENTIAL	NON-WORKING AND WORKING HOURS WHERE PLANS REQUIRE ADJACENT LANE CLOSURE WITH CHANNELIZATION OR PARTIAL LANE CLOSURE WITH BARRIER.	NO EDGE TREATMENT REQUIRED	NO SIGNS REQUIRED
EDGE DROP-OFF	PAVEMENT EDGE DIFFERENTIAL > 3"	NON-WORKING AND WORKING HOURS	WEDGE SLOPE TO 1V:3H OR FLATTER	NO SIGNS REQUIRED	NO SIGNS REQUIRED
		ANY PAVEMENT EDGE OR LANE LINE DIFFERENTIAL	NON-WORKING AND WORKING HOURS WHERE PLANS REQUIRE ADJACENT LANE CLOSURE WITH CHANNELIZATION OR PARTIAL LANE CLOSURE WITH BARRIER.	NO EDGE TREATMENT REQUIRED	NO SIGNS REQUIRED
LANE DIFFERENTIAL	LANE LINE DIFFERENTIAL ≤ 2"	NON-WORKING AND WORKING HOURS	NO EDGE TREATMENT REQUIRED	UNEVEN LANES	NO SIGNS REQUIRED
		NON-WORKING AND WORKING HOURS WHERE LANE CLOSURE WITH CHANNELIZATION OR PARTIAL LANE CLOSURE WITH BARRIER.	NO EDGE TREATMENT REQUIRED	UNEVEN LANES	NO SIGNS REQUIRED
LANE DIFFERENTIAL	LANE LINE DIFFERENTIAL > 2"	NON-WORKING AND WORKING HOURS	WEDGE SLOPE TO 1V:3H OR FLATTER	UNEVEN LANES	NO SIGNS REQUIRED
		NON-WORKING AND WORKING HOURS WHERE LANE CLOSURE WITH CHANNELIZATION OR PARTIAL LANE CLOSURE WITH BARRIER.	DELINEATE DIFFERENTIAL WITH CHANNELIZERS	UNEVEN LANES	BUMP

(1) SIGNS SHALL BE SPACED AT APPROXIMATELY ONE MILE INTERVALS AND LOCATED WITHIN 150 FT. BEYOND ANY STATE ROAD. WHEN A SIGN PLACED AT THE ONE MILE INTERVAL FALLS WITHIN 1/2 MILE OF A SIGN PLACED AFTER AN INTERSECTION, THE SIGN PLACED AT THE 1/2 MILE INTERVAL MAY BE OMITTED. WHEN SHOULDER DROP-OFF SIGNS WITH UNEVEN LANES ARE BOTH SPECIFIED, ALTERNATING SIGN MESSAGES SHALL BE USED AT 1 MILE SPACINGS.

(2) ON SIDE ROADS WITH POSTED SPEED OF 45 MPH OR GREATER, SIGNS SHALL BE PLACED 150 FT. IN ADVANCE OF INTERSECTION WITH MAINLINE.

(3) SIGNS SHALL BE LOCATED ON THE SIDE OF THE ROADWAY WHERE THE PAVEMENT EDGE DIFFERENTIAL EXISTS.

(4) SIGNS TO REMAIN VISIBLE UNTIL SHOULDER SHAPING IS COMPLETE.

(5) SIGNS SHALL BE LOCATED ON RIGHT SIDE OF NON-DIVIDED HIGHWAYS AND ON BOTH SIDES OF DIVIDED HIGHWAYS WHERE A LANE LINE DIFFERENTIAL EXISTS.

(6) WHEN THE SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLaque SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.

LEGEND
 [Symbol] - RIGID PAVEMENT
 [Symbol] - FLEXIBLE PAVEMENT
 [Symbol] - ALL PAVEMENT TYPES

GENERAL NOTES:
 SIGNS SHALL BE VISIBLE TO TRAFFIC ONLY WHEN AND WHERE CONDITIONS EXIST.
 FOR ADDITIONAL SIGN SPACING AND DETAILS SEE STANDARD PLAN 620.10.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 100 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-684-MODOT (1-888-275-6633)

PAVEMENT EDGE TREATMENT

DATE EFFECTIVE: 10/01/2017
 DATE PREPARED: 8/9/2017
 SHEET NO. 1 OF 1

616.8.1 (TA-1) WORK BEYOND THE SHOULDER ON DIVIDED AND UNDIVIDED HIGHWAYS - DE/CM

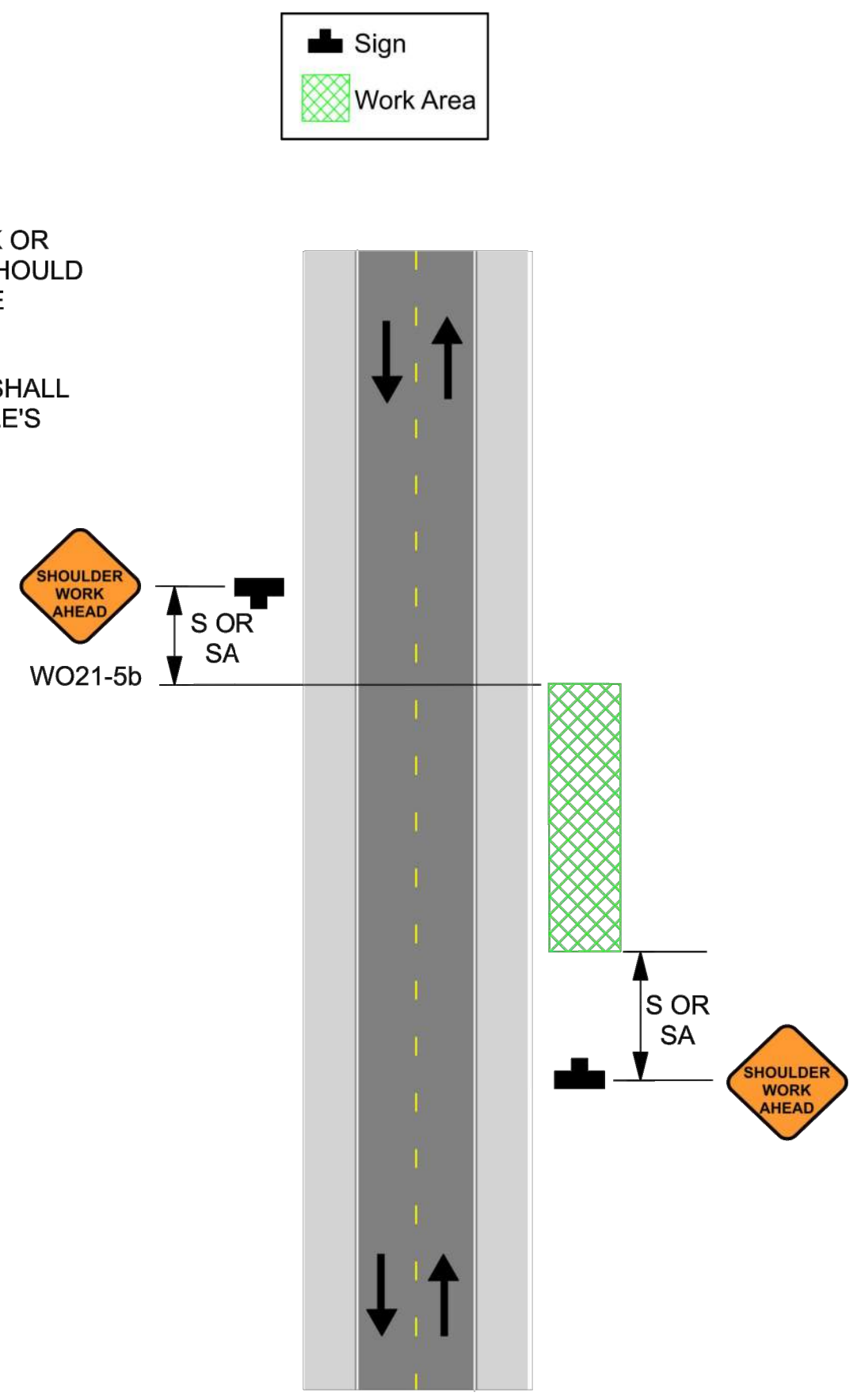
SPEED Normal Posted (mph)	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.) Tapers	Buffer/Work Areas
	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)			
0-35	200	200	-	-	-	-	-
40-45	350	500	-	-	-	-	-
50-55	500	1000	-	-	-	-	-
60-70	1000	SA - 1000, SB - 1500, SC - 2640	-	-	-	-	-

NOTES:

ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

ON MULTI-LANE, DIVIDED HIGHWAYS, SIGNS ADVISING OF SHOULDER WORK OR THE CONDITION OF THE SHOULDER SHOULD BE PLACED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.



616.8.6 (TA-6) SHOULDER WORK WITH MINOR ENCROACHMENT ON DIVIDED AND UNDIVIDED HIGHWAYS - DE/CM

SPEED Normal Posted (mph)	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.) Tapers	Buffer/Work Areas
	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)			
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA - 1000, SB - 1500, SC - 2640	235	840	840	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.

NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS

ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

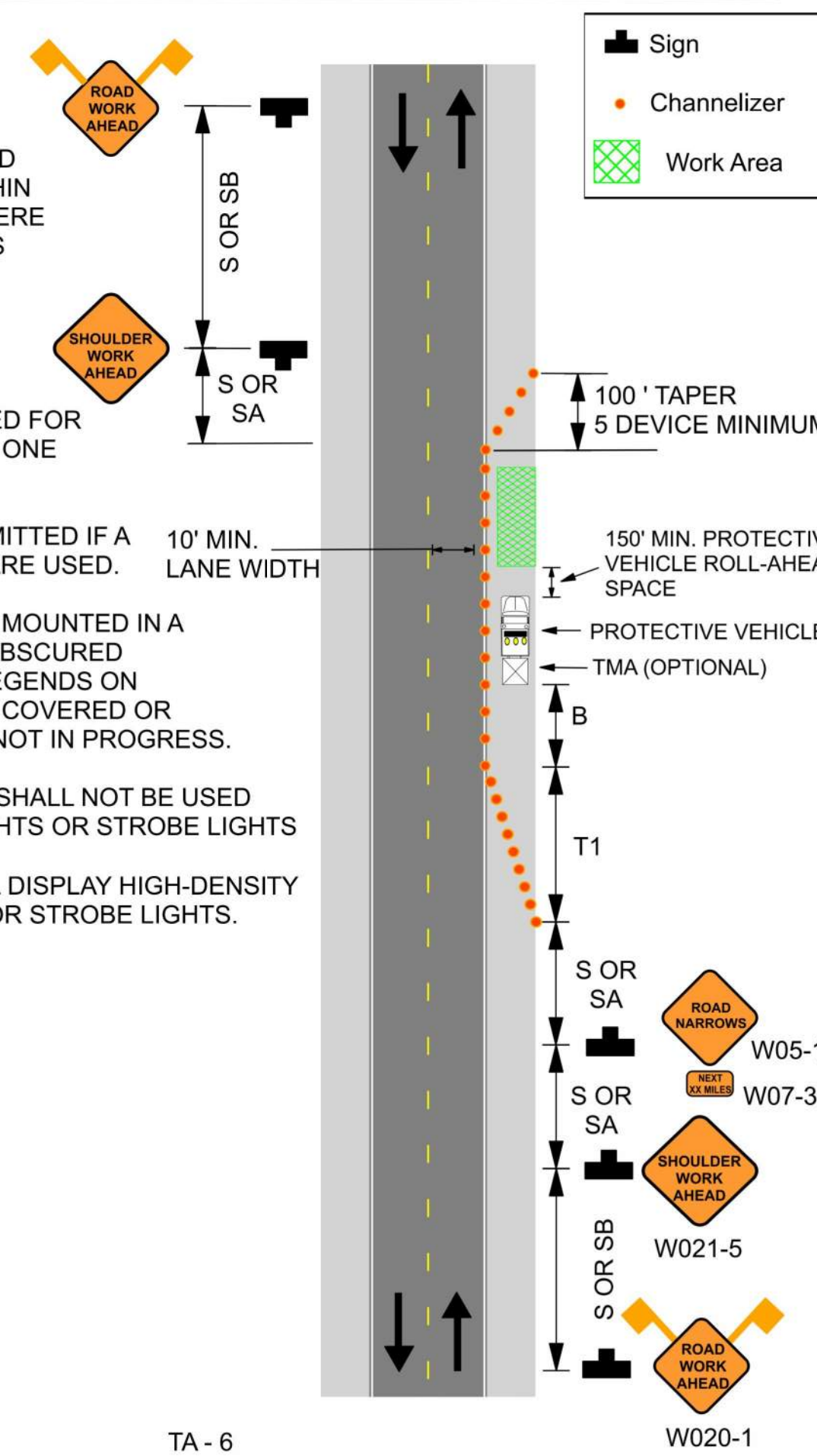
(3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE - MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE - MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS

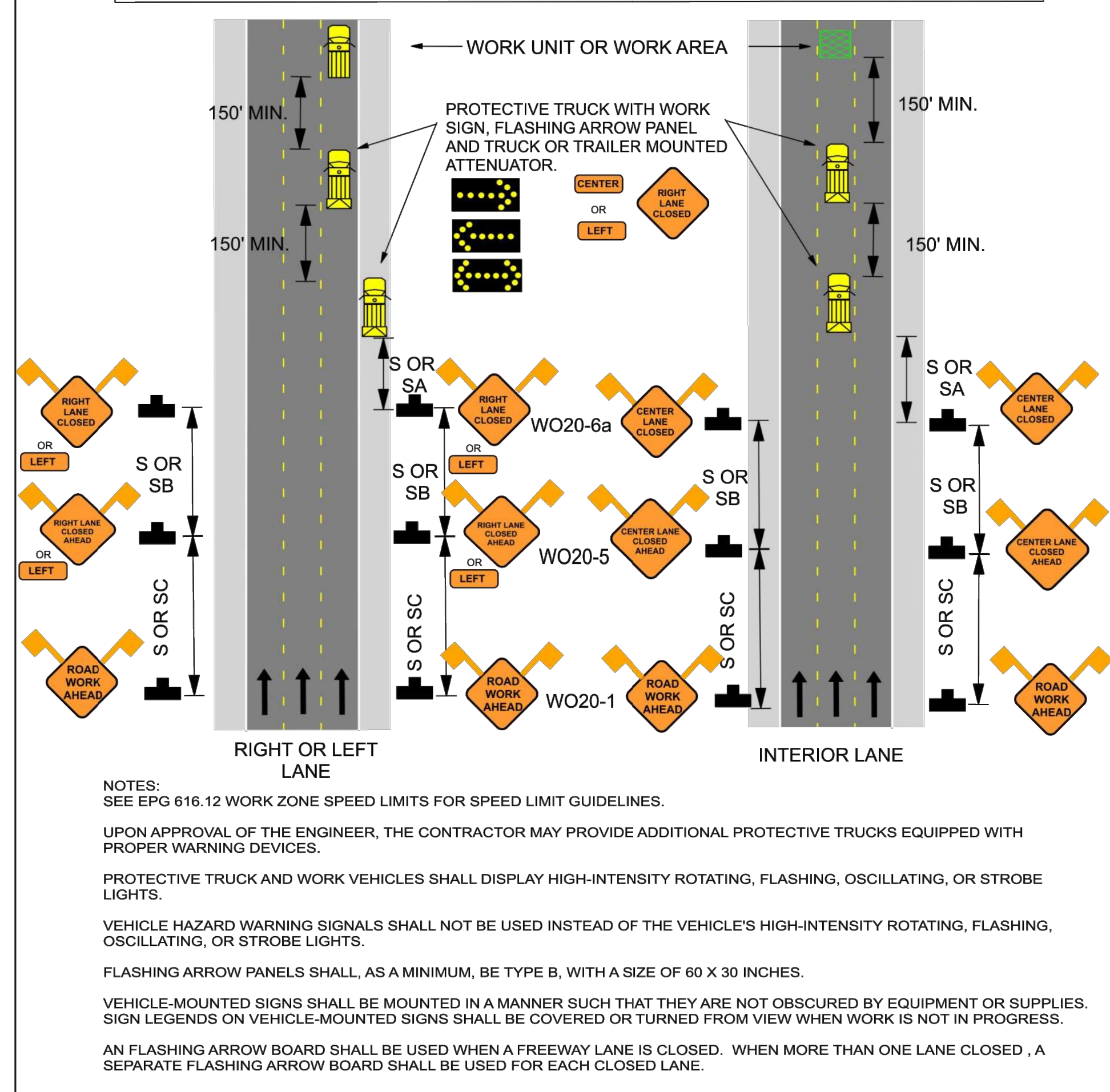
SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.



616.8.35 (TA-35) Mobile Operation on Divided or Multi-Lane Highways - DE/CM

SPEED Normal Posted (mph)	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.) Tapers	Buffer/Work Areas
	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)			
0-35	-	200	-	-	-	-	-
40-45	-	500	-	-	-	-	-
50-55	-	1000	-	-	-	-	-
60-70	-	SA - 1000, SB - 1500, and SC - 2640	-	-	-	-	-

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.



NOTES:
 SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

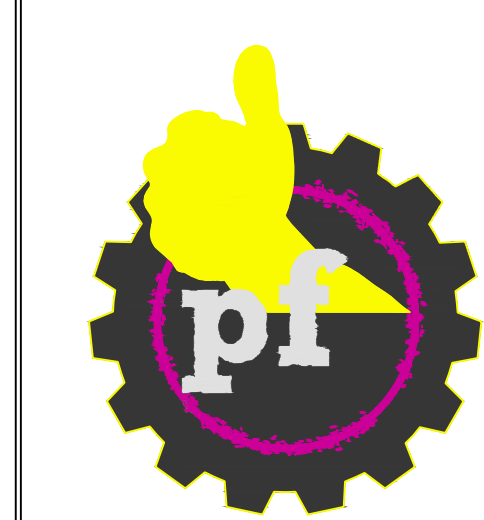
PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

AN FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.



ISSUED / REVISED	DATE
ISSUED TO CITY	05.12.2021
REVISED PER CITY/MOD COMMENTS	07.20.2021
REVISED PER CITY/MOD COMMENTS	08.10.2021
REVISED FOR RETAINING WALL	11.19.2021
REVISED PER CITY COMMENTS	12.01.2021