

**DROP-OFF PROTECTION BETWEEN TRAVEL LANE  
AND SHOULDER / EDGE OF PAVEMENT  
FIG 55.2B FROM CHAPTER 55 (BDE MANUAL, 2010)**

DROP-OFF LOCATION	NORMAL POSTED SPEED	DROP-OFF HEIGHT (X) AND TYPE	TREATMENT REQUIRED
≤ 3 FT <sup>(1)(2)</sup>	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 18 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 12 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	< 45 MPH	18 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
		FOR < 0.5 MILE OR < 48 HOURS <sup>(4)</sup>	
	≥ 45 MPH	12 IN < X ≤ 18 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
		FOR < 0.5 MILE OR < 48 HOURS	
	≥ 45 MPH	12 IN < X ≤ 24 IN	CLOSURE USING TEMPORARY TRAFFIC BARRIER
	FOR > 0.5 MILE OR > 48 HOURS		
< 45 MPH	18 IN < X ≤ 24 IN <sup>(3)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
≥ 45 MPH	18 IN < X ≤ 24 IN FOR < 0.5 MILES OR < 48 HOURS <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
ALL	> 24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
3 FT < X ≤ 8 FT <sup>(3)</sup>	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 24 IN <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
ALL	24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
> 8 FOOT TO THE WORK ZONE, CLEAR ZONE <sup>(3)</sup>	< 45 MPH	12 IN < X ≤ 24 IN <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	ALL	> 24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER

**NOTES:**

- <sup>(1)</sup> PLACE CHANNELIZING DEVICES AND/OR TEMPORARY BARRIER AT THE SAME LEVEL AS THE TRAVELING LANE OR SHOULDER PROFILE
- <sup>(2)</sup> CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. RAISE THE REFLECTIVE AREA AND WARNING LIGHT (IF REQUIRED) TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS PER **HIGHWAY STANDARD 701901**.
- <sup>(3)</sup> PLACE CHANNELIZING DEVICES OR TEMPORARY BARRIER AT SAME LEVEL AS THE SIDE SLOPE PROFILE TO BE FULLY VISIBLE.
- <sup>(4)</sup> LENGTH AND DURATION MAY BE EXCEEDED FOR URBAN AREAS WHEN ENGINEERING JUDGEMENT INDICATES SIGHT DISTANCE WILL BE ADVERSELY AFFECTED BY TEMPORARY BARRIER.
- <sup>(5)</sup> TEMPORARY TRAFFIC BARRIER MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 24 HOURS FOR MULTILANE, AND MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 96 HOURS PER STAGE FOR TWO LANES, BASED ON ENGINEERING JUDGEMENT.