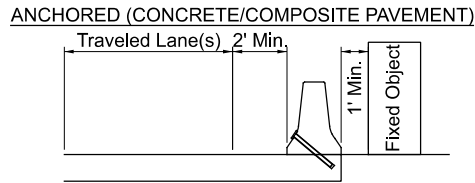
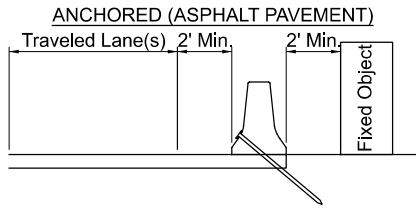
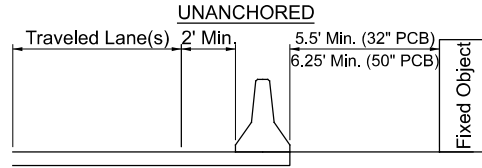


ODOT (GENERIC) PORTABLE BARRIER DESIGN OFFSET DETAILS

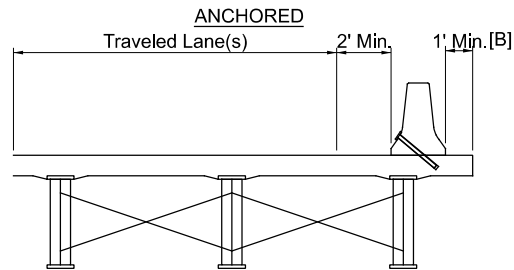
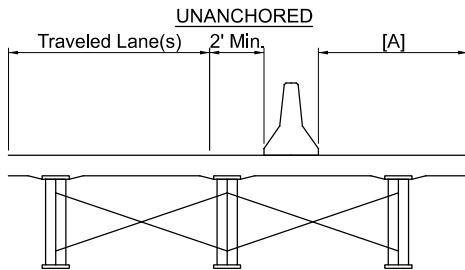
603-6

REFERENCE SECTIONS
603.1.5

DESIGN OFFSET TO FIXED OBJECT

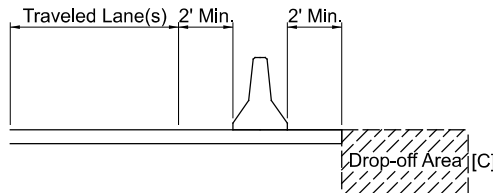


DESIGN OFFSET TO DECK EDGE



DESIGN OFFSET TO DROP-OFF

(See MT-101.90 and TEM Sections 640-6/641-25 for additional information on drop-offs in work zones)



[A] Refer to OSE Design Data Sheet PCBDD for unanchored offset requirements.

[B] Refer to OSE Design Data Sheet PCBDD for PCB-91 anchoring requirements. Refer to RM-4.2 for ODOT F-Shape PCB anchoring requirements.

[C] Refer to OSE Design Data Sheet PCBDD for anchoring determination regarding drop-off depths greater than 24\"/>

	Barrier Type	Anchorage Method	Type of Protection Required	Standard Drawing	Min. Design Offset (see Note 1)	Notes	
Portable Concrete Barrier	50" PCB	Unanchored	Fixed Object	RM-4.1	6'-3"	2' min. required from edge of traveled way to barrier toe	
		Unanchored	Drop Off ≤ 24" or Work Area		2'-0"		
		Unanchored	Deck Edge or Drop Off > 24"	N/A - 50" PCB shall not be used to protect deck edge or similar drop offs that are > 24"			
		Anchored in Concrete	N/A - 50" PCB shall not be anchored in concrete				
		Anchored in Asphalt	N/A - 50" PCB shall not be anchored in asphalt				
	32" PCB	Unanchored	Fixed Object	RM-4.2 and PCB-91	5'-6"	2' min. required from edge of traveled way to barrier toe	
		Unanchored	Drop Off ≤ 24" or Work Area		2'-0"		
		Unanchored	Deck Edge or Drop Off > 24"		Determine using PCBDD Figures 1 & 2- see OSE Design Data Sheets		
		Anchored in Concrete	Any		1'-0"	2' min. required from edge of traveled way to barrier toe	
		Anchored in Asphalt	Any		2'-0"		

NOTES:

1) Design Offset - the distance between the hazard and the nearside toe of barrier.

2) Designers shall design portable concrete barrier to the values in this table. The contractor is responsible for ensuring any substitutions from the Approved Products List fulfill the design intent and requirements of the contract documents.

3) District approval is required for designs where the minimum design offsets cannot be obtained in the following situations: back side toe of anchored barrier to deck edge or fixed object; back side toe of barrier to drop-off; and front side toe of barrier to traveled lane (after applying the applicable guidance described in TEM Section 640-2).

July 2025