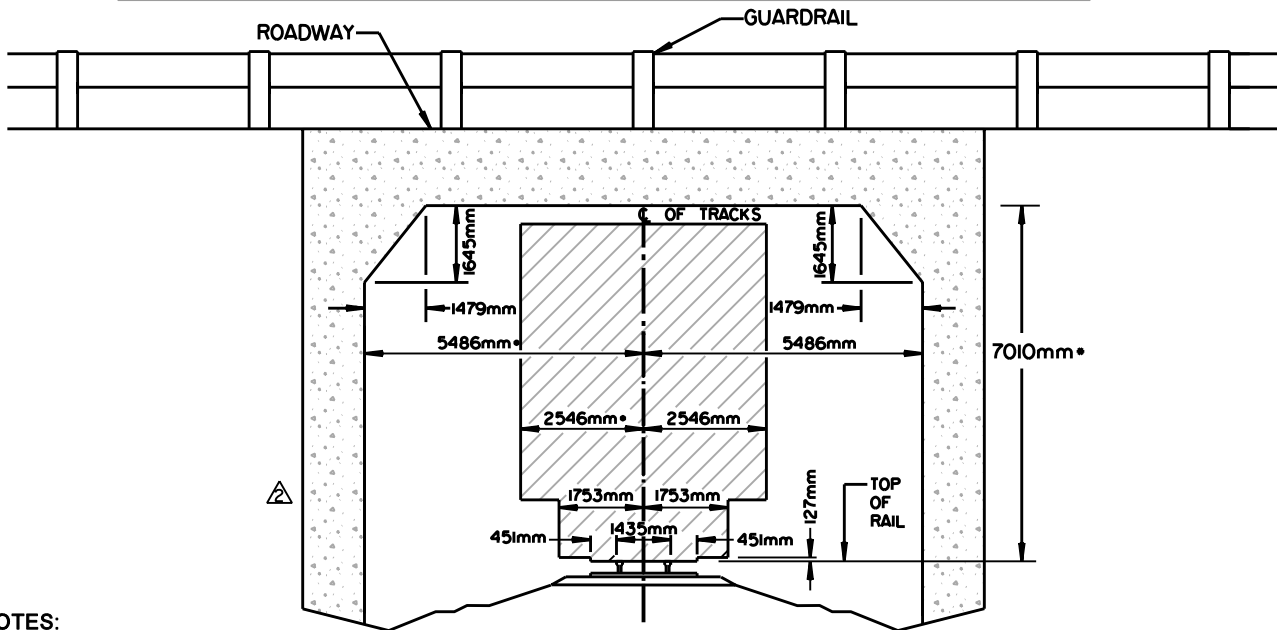
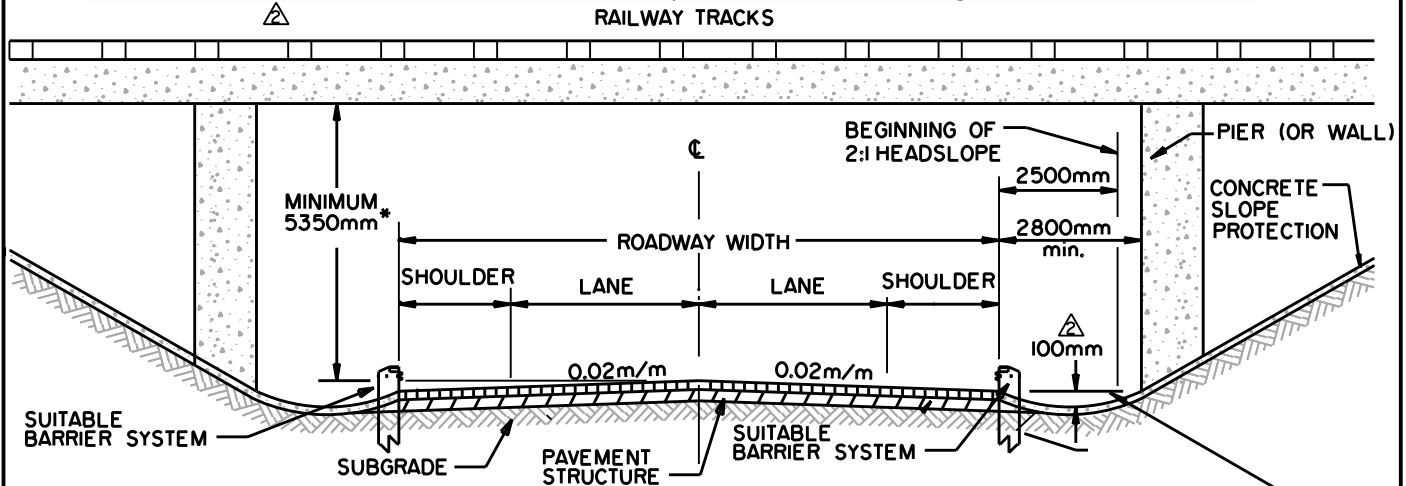


**FIGURE C-9.3.1 CLEARANCE BOX FOR RAILWAY OVERPASS**



- \* NOTES:**
1. Lateral clearances beyond 5486mm are normally considered to be additional facility.
  2. 2546mm is the absolute minimum lateral clearance from a safety perspective.
  3. The 'standard' vertical and horizontal clearance dimensions of 7010mm and 5486mm respectively apply to cost-share projects. For non cost-share projects, smaller clearances may be negotiated with the railway.

**FIGURE C-9.3.2 MINIMUM CLEARANCE BOX FOR RAILWAY UNDERPASS AND GRADE SEPARATION ( See typical details on Figure C-9.3.3 )**



- VERTICAL CLEARANCE: STANDARD 5350mm  
LOCAL (SPECIAL CASE) 4750mm  
ABSOLUTE MINIMUM 4150mm = Maximum height of standard truck (see Figure D-56)

- NOTES:**
1. The horizontal clearances shown here are minimum values that are normally used only in retrofit or constrained environments. On new construction or unconstrained projects, the layout and dimensions shown in figure C-9.3.3 are normally used.
  2. The clearance box used on special routes may exceed the dimensions shown here, for example on the high load corridor (where the clearance box is normally 9m wide x 9m high). On log haul routes the vertical clearance should provide for all permitted load sizes.
  3. Rounding depth and relative elevation of shoulder and toe of slope protection may vary approximately 150mm.
  4. A construction tolerance of 50mm on the vertical clearance is generally allowed for.

REVISIONS	No.	BY	BK	REVISED NOTES	DATE
	1			REVISED TITLE, SWALE DEPTH AND ADDED NOTE (re: TRUCK HEIGHT)	FEB./2004
	2			ADDED CLEARANCE NOTES	AUG./1999