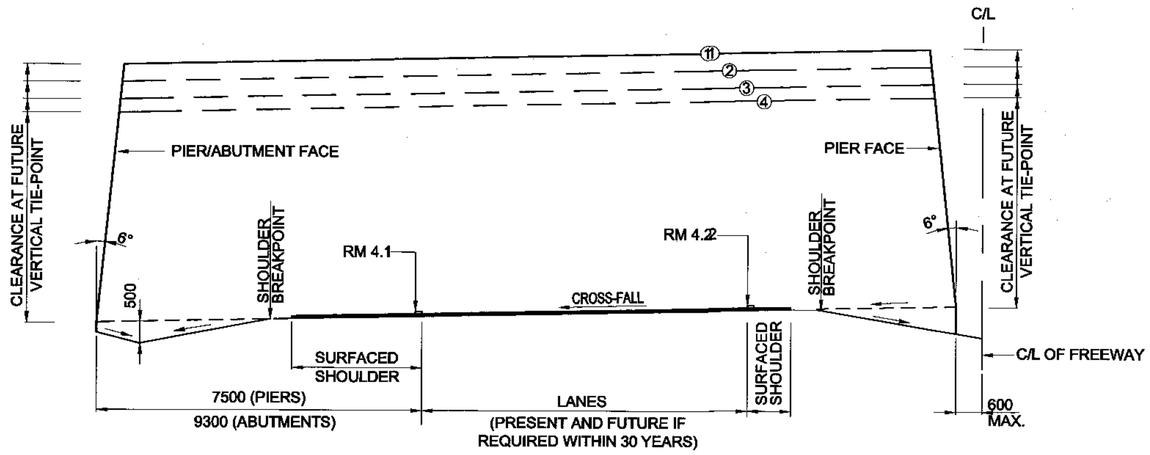
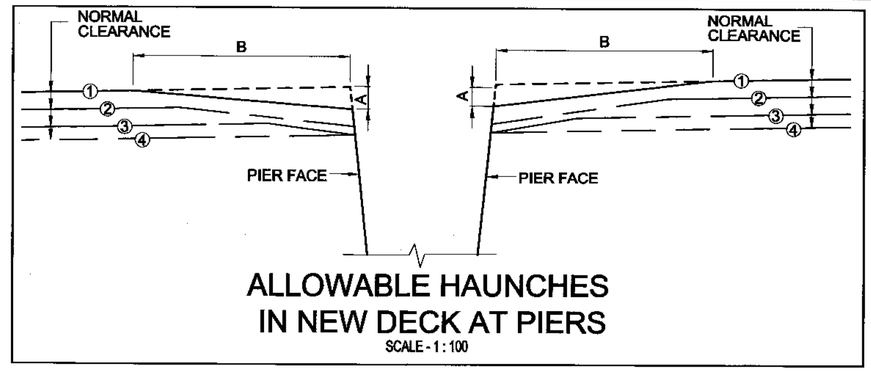


MINIMUM CLEARANCE DIAGRAM FOR BRIDGES OVER FREEWAYS

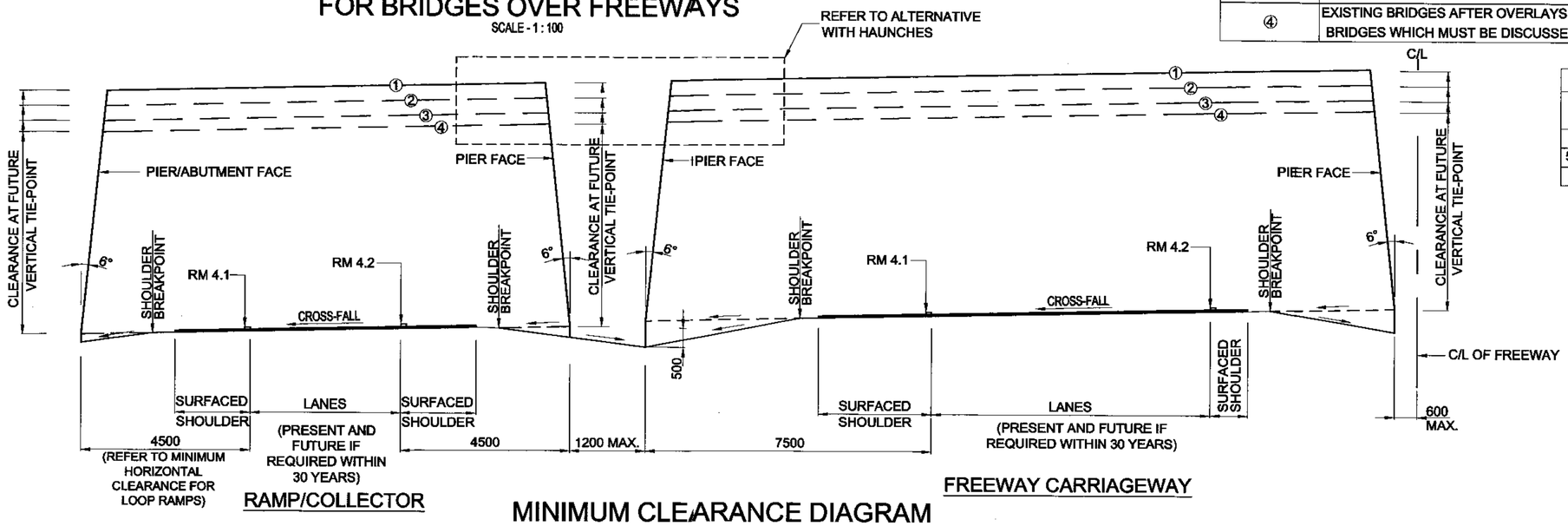
SCALE - 1 : 100



ALLOWABLE HAUNCHES IN NEW DECK AT PIERS

SCALE - 1 : 100

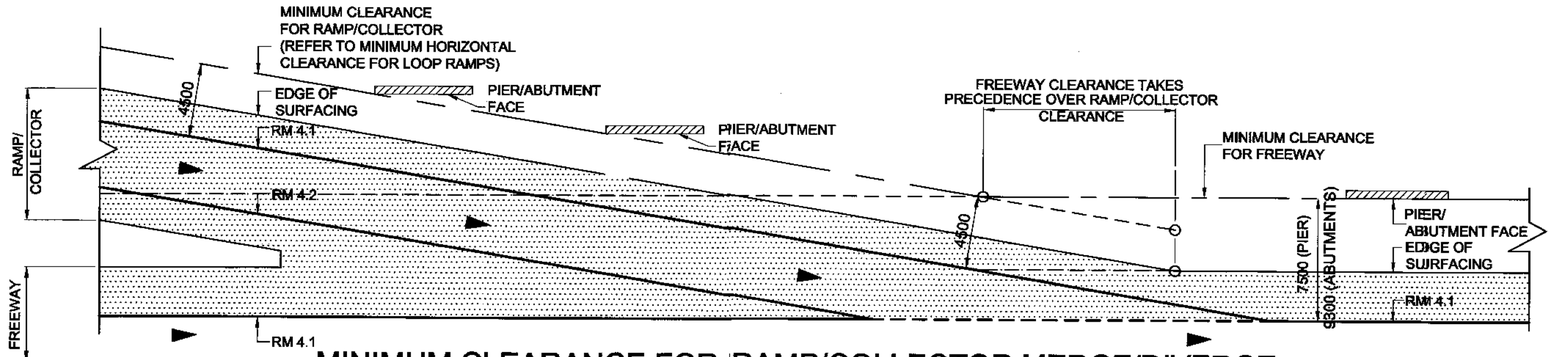
MINIMUM VERTICAL CLEARANCE FOR BRIDGES				
VERTICLE CLEARANCE NO.	TYPE OF BRIDGE	MINIMUM CLEARANCE (mm)	MAXIMUM HAUNCH A (MAX.) (mm)	MAXIMUM HAUNCH B (MAX.) (mm)
①	SERVICE,PEDESTRIAN AND PIPE BRIDGES	6000	500	5000
②	BEAM AND SLAB BRIDGES AND AGRICULTURAL OVERPASSES	5600	400	4000
③	NEW BRIDGES	5200	200	2000
④	EXISTING BRIDGES AFTER OVERLAYS (EXCEPT FOR PEDESTRIAN BRIDGES WHICH MUST BE DISCUSSED WITH THE CLIENT)	5000	N/A	N/A



MINIMUM HORIZONTAL CLEARANCE FOR LOOP RAMPS	
RADIUS (R)	DISTANCE FROM YELLOW LINE TO PIER/ABUTMENT FACE (mm)
25m ≤ R ≤ 50m	5500
50m < R ≤ 100m	5000
R > 100m	4500

MINIMUM CLEARANCE DIAGRAM FOR FREEWAY WITH COLLECTOR-DISTRIBUTER ROAD

SCALE: - 1 : 100



MINIMUM CLEARANCE FOR RAMP/COLLECTOR MERGE/DIVERGE

SCALE - DIAGRAMATIC

ROAD MARKING LEGEND
RM4.1 : YELLOW LEFT EDGE LINE.
RM4.2 : WHITE RIGHT EDGE LINE.

FOR LATEST VERSION CHECK www.nra.co.za

No.	DATE	VERSION / REVISION	APPROVED
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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APPROVED

DATE: 2026/02/26

TYPICAL DRAWINGS - ROADWORKS

MISCELLANEOUS
CLEARANCE DIAGRAMS FOR BRIDGES

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