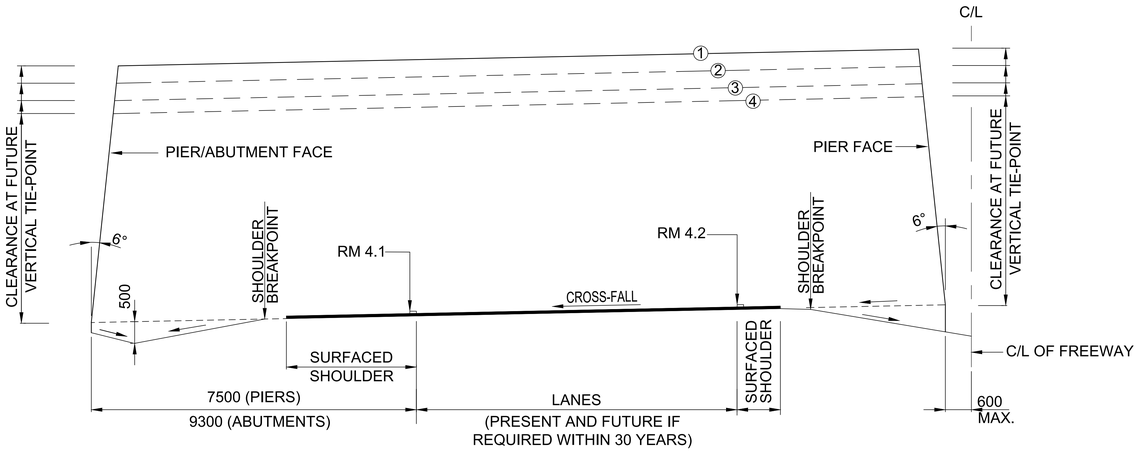
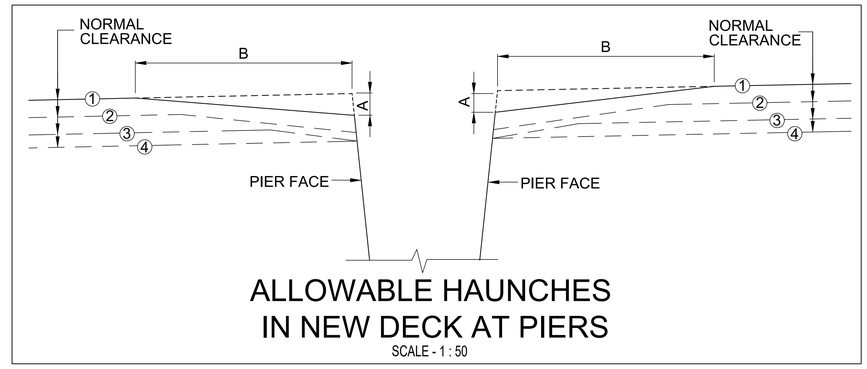


MINIMUM CLEARANCE DIAGRAM FOR BRIDGES OVER FREEWAYS

SCALE - 1 : 50

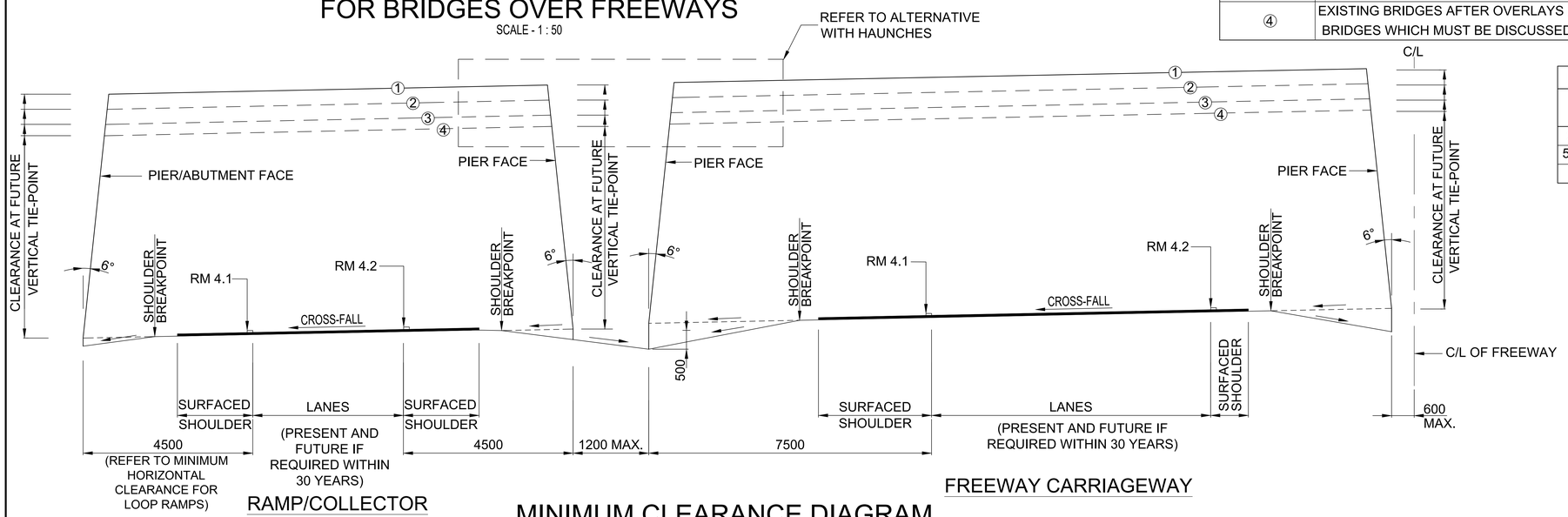


ALLOWABLE HAUNCHES IN NEW DECK AT PIERS

SCALE - 1 : 50

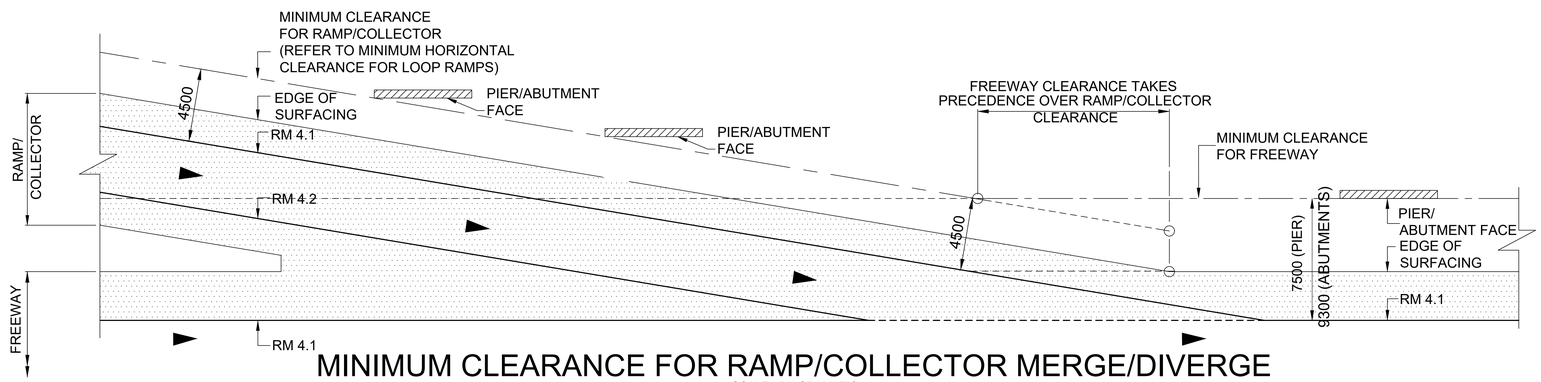
MINIMUM VERTICAL CLEARANCE FOR BRIDGES				
VERTICLE CLEARANCE NO.	TYPE OF BRIDGE	MINIMUM CLEARANCE (mm)	MAXIMUM HAUNCH A (MAX.) (mm)	MAXIMUM HAUNCH B (MAX.) (mm)
①	SERVICE,PEDESTRIAN AND PIPE BRIDGES	6000	500	5000
②	BEAM AND SLAB BRIDGES AND AGRICULTURAL OVERPASSES	5600	400	4000
③	NEW BRIDGES	5200	200	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-DISTRIBUTOR ROAD

SCALE - 1 : 50



MINIMUM CLEARANCE FOR RAMP/COLLECTOR MERGE/DIVERGE

SCALE - DIAGRAMATIC

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

No.	DATE	REVISION
V1	08/03/2024	ORIGINAL VERSION

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0184

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SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WESTERN REGION
1 Havenga Street
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ACCEPTANCE
THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for the SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION
THE CAPACITY IMPROVEMENT OF NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENHOF INTERCHANGE (KM 33.00)

MISCELLANEOUS
CLEARANCE DIAGRAMS FOR BRIDGES

SCALE @ A0: AS SHOWN | SHEET 1 OF 1

PROJECT NUMBER	N001-010-2021/1		
DRAWING LOCATION DATA	START	END	
ROUTE	N01	N01	
SECTION	01	01	
DRAWING km DISTANCE	18.900	33.000	
DRAWING TYPE	ROADS - MISCELLANEOUS		
BRIDGE/STRUCTURE No.	N/A		
CONSULTANT DRAWING No.	312-00827-01-TD46		VER
SANRAL DOCUMENT #	XXXXXX		V1

312-00827-01-TD46