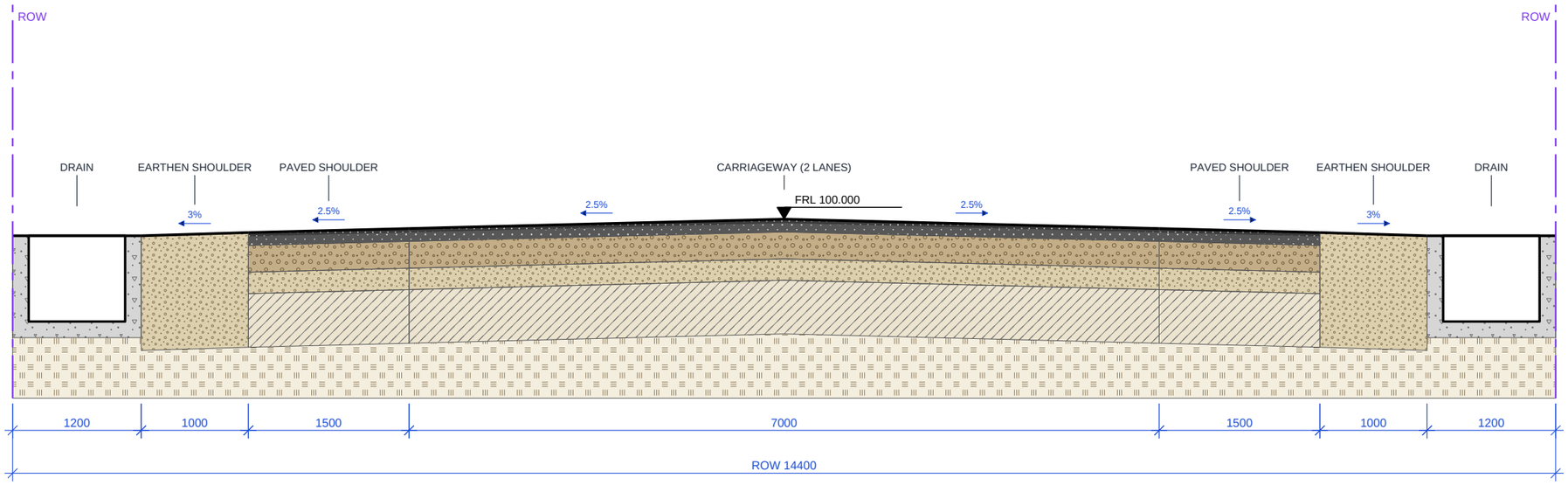
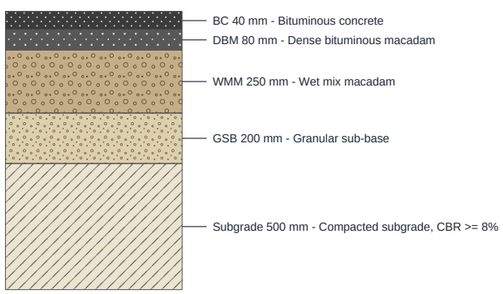


TYPICAL CROSS SECTION

SCALE 1:50

PAVEMENT COMPOSITION (CARRIAGEWAY)



TOTAL 1070 mm

NOTES

1. All dimensions in mm, levels in m. Cross slopes in % (arrow shows fall).
2. Kerbs 150 mm wide at every level step; drains RCC M25, walls 150 mm.
3. Utility depths are to the top of pipe / duct below finished surface.
4. Verify with IRC 86 / IRC SP 73 / IRC SP 84 and local authority requirements.

LEGEND - MATERIALS

- Natural ground / embankment
- Bituminous binder course (DBM / BM
- Granular sub-base
- Concrete (PCC / RCC / DLC / PQC)
- Bituminous wearing course (BC / SD
- Wet mix / water bound macadam
- Compacted subgrade

Road cross-section | IRC 86 / IRC SP 73 / IRC SP 84 / IRC 37 | Generated by nxstructural

TWO-LANE RURAL HIGHWAY (IRC SP 73 TYPE, 7.0 M CARRIAGEWAY)

TYPICAL ROAD CROSS SECTION

BASED ON

Two-lane rural highway (IRC SP 73 type, 7.0 m carriageway)

SECTION	FRL	SCALE	UNITS	SHEET
SYMMETRIC	100.000	1:50	mm / m	1 of 2

QUANTITIES PER KILOMETRE OF ROAD

GROUP	ITEM	UNIT	QUANTITY / km
Pavement	BC 40 mm - Bituminous concrete	m³	400.0
Pavement	DBM 80 mm - Dense bituminous macadam	m³	800.0
Pavement	WMM 250 mm - Wet mix macadam	m³	2,500.0
Pavement	GSB 200 mm - Granular sub-base	m³	2,000.0
Pavement	Subgrade 500 mm - Compacted subgrade, CBR >= 8%	m³	5,000.0
Surface area	Carriageway	m²	7,000.0
Surface area	Paved shoulder	m²	3,000.0
Surface area	Earthen shoulder	m²	2,000.0
Drains	open RCC drain 1200 wide x 800 deep	m	1,000.0
Drains	open RCC drain 1200 wide x 800 deep	m	1,000.0

SECTION SUMMARY

Right of way 14.40 m

Carriageway width 7.00 m

Pavement thickness 1070 mm

Utilities 0 nos, street-light poles 0 per section

Road cross-section | IRC 86 / IRC SP 73 / IRC SP 84 / IRC 37 | Generated by nxstructural

TWO-LANE RURAL HIGHWAY (IRC SP 73 TYPE, 7.0 M CARRIAGEWAY)

ROAD SECTION QUANTITIES

BASED ON

Two-lane rural highway (IRC SP 73 type, 7.0 m carriageway)

SECTION	FRL	SCALE	UNITS	SHEET
SYMMETRIC	100.000	NTS	mm / m	2 of 2