



Surface course – 40mm HRA 35/14 surf 40/60 PEN des with 20mm pre coated chippings to EN 13108-4 or AC 10 Close Surf 100/150 to BS EN 13108-1 & BS 594987. - PSV 65 min AAV 14 max
 - Texture depth not less than 1.0

Binder Course - 60mm AC20 dense bin 40/60 PEN to BS EN 13108-1 & BS 594987.

Base Course - 180mm AC32 dense base 40/60 PEN to BS EN 13108-1 & BS 594987.

Type 1 sub-base (see Table 1)

Capping (see Table 1)

Notes:

- All dimensions are in millimetres unless shown otherwise.
- 'Major Access Roads' includes roads feeding Minor Access Roads only and up to 5 msa.
- For carriageways designed to carry more than 5 msa during its design life a full design will be required to be submitted to OxonCC following the principles of the latest CD 226 and CD 227 from the Design Manual for Roads and Bridges.
- The PSV for the surface course on all approaches to pedestrian crossings and major junctions is to be 65 min for an approach length of 50m.
- A bond coat shall be applied between all bituminous layers in accordance with BS 594987.
- When the surface course is not laid immediately after the binder course, the binder course shall be blinded with coated grit complying with BS 594987 & BS EN 13108.
- Manhole covers should not be set to final levels until after the base material is laid.
- Ground stabilisation should be considered and may be used as an alternative to capping for formation CBRs of less than 2.5%. A proposal must be submitted to Oxon CC following the principles of CD225.
- For further information refer to Standard Details Guidance Note drawing no. HSD/100/001

Permitted Pavement Options

Surface Course	AC 10 Close Surf 40/60	HRA 30/14 F Surf 40/60	SMA 10 Surf	AC14 100/150 Surf
Binder	AC20 Dense Bin 40/60			
Base	AC32 HDM base 40/60			

TABLE 1

CBR (%)	Subbase on capping (mm)		Subbase Only (mm)
	Subbase	Capping	
≤2.5	Ground Stabilisation		Ground Stabilisation
2.5 - 5.0	250	420	420
5.0 - 7.5	200	250	265
7.5 - 10.0	165	220	240
10.0 - 12.5	150	200	220
12.5 - 15.0	150	170	210
15.0≥	150	150	200



DRAWING TITLE:
 Series 700: Road Pavements General - Pavement Construction -
 Major Access Road

SCALE: NTS

	DRAWN	CHECKED
INITIALS:	CS	MS
DATE:	12/01/2024	12/01/2024

REV	AMENDMENTS	DRN	CHCK'D	DATE

DRAWING NO:
 HSD/700/010