

NOTE: This Document has been Replaced

Suggested Guidelines

Superpave Typical Layer Design by Total Depth	
Total (inch)	Top to Base (inch)
0.75	0.75-S6
1	1-S6
1.5	1.5-S5 or 1.5-S4
2	2-S4 or 2-S5
2.5	2.5-S4
3	1.5-S4, 1.5-S5 or 1.5-S4, 1.5-S4
3.5	2-S4, 1.5-S5 or 2-S4, 1.5-S4
4	2-S4, 2-S4
4.5	2-S4, 2.5-S3
5	2-S4, 3-S3
6	2-S4, 4-S3
7	2-S4, 2.5-S3, 2.5-S3
8	2-S4, 3-S3, 3-S3
9	2-S4, 3-S3, 4-S3 or 2-S4, 3-S3, 4-S2
10	2-S4, 3-S3, 2.5-S3, 2.5-S3 or 2-S4, 3.5-S3, 4.5-S2
11	2-S4, 3-S3, 3-S3, 3-S3 or 2-S4, 3-S3, 3-S2, 3-S2
12	2-S4, 3-S3, 3.5-S3, 3.5-S3 or 2-S4, 3-S3, 3.5-S2, 3.5-S2
13	2-S4, 3-S3, 4-S3, 4-S3 or 2-S4, 3-S3, 4-S2, 4-S2
14	2-S4, 3-S3, 3-S3, 3-S3, 3-S3 or 2-S4, 3-S3, 4.5-S2, 4.5-S2 or 2-S4, 3-S3, 3-S3, 3-S2, 3-S2
15	2-S4, 3-S3, 3-S3, 3.5-S3, 3.5-S3 or 2-S4, 3-S3, 3-S3, 3.5-S2, 3.5-S2

Selection of Performance Grade Binder:

Use PG64-22OK in roadways with < 3 million ESALs, in mixes more than 4-6 inches below the surface, and mixes used for shoulders, driveways, and temporary construction.

Use PG70-28OK in the top 4-6 inches of roadways with 3 million to < 10 million ESALs.

Use PG76-28OK in the top 4-6 inches of roadways with ≥10 million ESALs.

PG70-28OK or PG76-28OK may be desirable in high volume areas where slow, standing, or turning traffic occurs, such as urban intersections.

A higher grade of asphalt binder than indicated on the Plans may be used, but at no additional cost to the Department.

Note 1: These typical layer designs are guidelines only. The lift thickness range represents the absolute minimum to the absolute maximum lift thickness. The extremes should be avoided whenever possible.

Note 2: For a thickness, layer designs are listed in preferred order.

Superpave Equivalency Table and Lift Thickness Ranges					
Hveem	Superpave, Special	NMS (inch)	NMS (mm)	Lift Thickness Range (inch)	Opt. Thickness (inch)
AH	S2	1	25	3 - 4.5	4
A	S3	0.75	19	2.25 - 4.5	3
B, BH	S4	0.5	12.5	1.5 - 2.5	2
C	S5	0.375	9.5	1.25 - 2.25	1.5
D	S6	0.187	4.75	0.5 - 1	0.75
	SMA	0.5	12.5	2 - 2.5	2
	PFC	0.5	12.5	1.25 - 1.5	1.25
	OGFSC	0.375	9.5	0.75 - 1	0.75