

PONDERA COUNTY

GRAVEL GRADATIONS - CRUSHED BASE COURSE

Percentage By Weight Passing Square Mesh Sieves	
Sieve Size	Crushed Base Course
1½"	100
No. 4	20-55
No. 200	8 max.
Plasticity Index	0-10

Meet the following requirements for crushed base course:

1. For material passing the No. 40 sieve, the liquid limit must not exceed 35, and the plasticity index must not exceed 10;
2. Dust Ratio: The portion passing the No. 200 sieve must not exceed two-thirds of the portion passing the No. 40 sieve;
3. A wear factor not exceeding 50% at 500 revolutions;
4. Up to 5% by weight of material one grade larger than that being produced is allowed. For example, when producing 1½-inch material, up to 5% of the total weight of material produced may be 2-inch material.
5. Furnish Binder material; and
6. at least 20% by weight of the aggregate retained on the No. 4 sieve must have one mechanically fractured face.

GRAVEL GRADATIONS - CRUSHED TOP SURFACING

Percentage By Weight Passing Square Mesh Sieves	
Sieve Size	Crushed Top Surfacing
1"	100
No. 4	40-65
No. 10	25-60
No. 200	8-20
Plasticity Index	6-12

Meet the following requirements for crushed top surfacing, including added binder or blending material:

1. Dust Ratio: The portion passing the No. 200 sieve cannot exceed two-thirds of the portion passing the No. 40 sieve;
2. For material passing the No. 40 sieve, the liquid limit must not exceed 35, and the plasticity index must not be below 6 or above 12;
3. A wear factor not exceeding 40% at 500 revolutions; and
4. at least 35% by weight of the aggregate retained on the No. 40 sieve must have one mechanically fractured face.

GRAVEL LAYER THICKNESS for NEW or RECONSTRUCTED ROADS

Estimated Daily Number of Heavy Trucks	Subgrade Support Condition ¹	Minimum Gravel Layer Thickness, inches
0 - 5	Low	6½"
	Medium	5½"
	High	4½"
5 - 10	Low	8½"
	Medium	7"
	High	5½"
10 - 15	Low	11½"
	Medium	9"
	High	7"
25 - 50	Low	14½"
	Medium	11½"
	High	8½"

Notes: ¹ Low Subgrade Support: CBR ≤ 3 percent;
Medium Subgrade Support: 3 < CBR ≤ 10 percent;
High Subgrade Support: CBR > 10 percent