BASE THICKNESS AND OPTION CODES

Base Group	Structural Range	Base Group Pay Item Number	Base Options							
			Limerock LBR 100	Cemented Coquina LBR 100	Shell Rock LBR 100	Bank Run Shell LBR 100	Graded Aggregate Base LBR 100	Type B-12.5	B-12.5 And 4" Granular Subbase, Granular LBR 100 *	RAP Base
			Structural Number (Per. in.)							
			(0.18)	(0.18)	(0.18)	(0.18)	(0.15)	(0.30)	(0.30 & 0.15)	(NA)
1	0.65–0.75	701	4"	4"	4"	4"	4½"	△ 4"		□ 5"
2	0.80–0.90	702	5"	5"	5"	5"	5½"	△ 4"		
3	0.95–1.05	703	5½"	5½"	5½"	5½"	6½"	△ 4"		
4	1.05–1.15	704	6"	6"	6"	6"	7½"	△ 4"		
5	1.25–1.35	705	7"	7"	7"	7"	8½"	4½"		
6	1.35–1.50	706	8"	8"	8"	8"	9"	5"		
7	1.50–1.65	707	8½"	8½"	8½"	8½"	10"	5½"		
8	1.65–1.75	708	9½"	9½"	9½"	9½"	11"	5½"		
9	1.75–1.85	709	10"	10"	10"	10"	12"	6"	4"	
10	1.90–2.00	710	11"	11"	11"	11"	Ø 13"	6½"	4½"	
11	2.05–2.15	711	12"	12"	12"	12"	Ø 14"	7"	5"	
12	2.20–2.30	712	12½"	12½"	12½"	12½"		7½"	5½"	
13	2.35–2.45	713	Ø 13½"	Ø 13½"	Ø 13½"	Ø 13½"		8"	6"	
14	2.45–2.55	714	Ø 14"	Ø 14"	Ø 14"	Ø 14"		8½"	6½"	
15	2.60–2.70	715						9"	7"	

GENERAL NOTES

1. On new construction and reconstruction projects, when an entirely new base is to be built, the design engineer may specify the Base Group and any unrestricted General Use Optional Base shown in that base group. Note, however, that some thick granular bases are limited to widening which prevents their general use.

2. Where base options are specified in the plans, only those options may be bid and used.

3. The designer may require the use of a single base option, for instance Type B–12.5 in a high water condition. This single base option will be bid and used as Optional Base.

* For granular subbase, the construction of both the subbase and Type B–12.5 will be bid and used as Optional Base. Granular subbases include Limerock, Cemented Coquina, Shell Rock, Bank Run Shell and Graded Aggregate Base at LBR 100. The base thickness shown is Type B–12.5. All subbase thicknesses are 4" minimum.

Ø To be used for widening, three feet or less.

△ Based on minimum practical thicknesses.

□ For restrictions on the use of RAP Base – see Specifications Section 283.

GENERAL USE OPTIONAL BASE GROUPS AND STRUCTURAL NUMBERS

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BASE THICKNESS AND OPTION CODES

Base Group	Structural Range	Base Group Pay Item Number	Base Options						
			Limerock Stabilized LBR 70	Shell LBR 70	Shell Stabilized LBR 70	Sand-Clay LBR 75	Soil Cement (300 psi) (Plant Mixed)	Soil Cement (300 psi) (Road Mixed)	Soil Cement (500 psi) (Plant Mixed)
			Structural Number (Per. in.)						
			(0.12)	(0.12)	(0.10)	(0.12)	(0.15)	(0.15)	(0.20)
1	0.60–0.75	701	5"	5"	7"	5"	5"	5"	4"△
2	0.75–0.90	702	6½"	6½"	8½"	6½"	5½"	5½"	4"
3	0.95–1.05	703	8"	8"	9½"	8"	6½"	6½"	5"
4	1.05–1.15	704	9"	9"	10½"	9"	7½"	7½"	5½"
5	1.20–1.35	705	10"	10"	12"	10"	8½"	8½"	6"
6	1.30–1.45	706	11"	11"		11"	9"		7"
7	1.45–1.60	707	12½"	12½"		12½"	10"		7½"
8	1.65–1.75	708					11"		8½"

Not Recommended For 20 Year Design
Accumulated 18 kip Equivalent Single
Axle Loads (ESAL) Greater
Than 1,000,000

Note:
These base materials may be used on FDOT projects when approved in writing by the District Materials Engineer and shown in the plans.

△ Based on minimum practical thicknesses.

LIMITED USE OPTIONAL BASE GROUPS AND STRUCTURAL NUMBERS