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, LBR 100 *	RAP Base
			Structural Number (Per. in.)							
			(.18)	(.18)	(.18)	(.18)	(.15)	(.30)	(.30&.15)	(NA)
1	.65-.75	701	4"	4"	4"	4"	$4\frac{1}{2}$"	△ 4"		□ 5"
2	.80-.90	702	5"	5"	5"	5"	$5\frac{1}{2}$"	△ 4"		
3	.95-1.05	703	$5\frac{1}{2}$"	$5\frac{1}{2}$"	$5\frac{1}{2}$"	$5\frac{1}{2}$"	$6\frac{1}{2}$"	△ 4"		
4	1.05-1.15	704	6"	6"	6"	6"	$7\frac{1}{2}$"	△ 4"		
5	1.25-1.35	705	7"	7"	7"	7"	$8\frac{1}{2}$"	$4\frac{1}{2}$"		
6	1.35-1.50	706	8"	8"	8"	8"	9"	5"		
7	1.50-1.65	707	$8\frac{1}{2}$"	$8\frac{1}{2}$"	$8\frac{1}{2}$"	$8\frac{1}{2}$"	10"	$5\frac{1}{2}$"		
8	1.65-1.75	708	$9\frac{1}{2}$"	$9\frac{1}{2}$"	$9\frac{1}{2}$"	$9\frac{1}{2}$"	11"	$5\frac{1}{2}$"		
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"	$6\frac{1}{2}$"	$4\frac{1}{2}$"	
11	2.05-2.15	711	12"	12"	12"	12"	Ø 14"	7"	5"	
12	2.20-2.30	712	$12\frac{1}{2}$"	$12\frac{1}{2}$"	$12\frac{1}{2}$"	$12\frac{1}{2}$"		$7\frac{1}{2}$"	$5\frac{1}{2}$"	
13	2.35-2.45	713	Ø $13\frac{1}{2}$"	Ø $13\frac{1}{2}$"	Ø $13\frac{1}{2}$"	Ø $13\frac{1}{2}$"		8"	6"	
14	2.45-2.55	714	Ø 14"	Ø 14"	Ø 14"	Ø 14"		$8\frac{1}{2}$"	$6\frac{1}{2}$"	
15	2.60-2.70	715						9"	7"	

GENERAL NOTES

1. On new construction and complete reconstruction projects where an entirely new base is to be built, the design engineer may specify just the Base Group and any of the unrestricted General Use Optional Bases shown in that base group may be used. 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 will still be bid as Optional Base.

* For granular subbase, the construction of both the subbase and Type B-12.5 will be paid for under the contract unit price for 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".

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

△ Based on minimum practical thicknesses.

□ Restricted to non-limited access shoulder base construction.

GENERAL USE OPTIONAL BASE GROUPS AND STRUCTURAL NUMBERS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

OPTIONAL BASE GROUP AND STRUCTURAL NUMBERS

	Names	Dates
Designed By	HMD	12/93
Drawn By	HKH	12/93
Checked By	BTD	12/93

Approved By Bruce Dietrich
State Pavement Design Engineer

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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.)						
			(.12)	(.12)	(.10)	(.12)	(.15)	(.15)	(.20)
1	.60-.75	701	5"	5"	7"	5"	5"	5"	4"*
2	.75-.90	702	6½"	6½"	8½"	6½"	5½"	5½"	4"
3	.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 (ESAL) Loads 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 Thickness

LIMITED USE OPTIONAL BASE GROUPS AND STRUCTURAL NUMBERS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

OPTIONAL BASE GROUP AND STRUCTURAL NUMBERS

	Names	Dates
Designed By	HMD	12/93
Drawn By	HKH	12/93
Checked By	BTD	12/93

Approved By
State Pavement Design Engineer

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