

February 4, 2015

Superelevation Design

- FDOT Design Standard Index 510 and 511
- FDOT Plans Preparation Manual Volume 1, Chapter 2

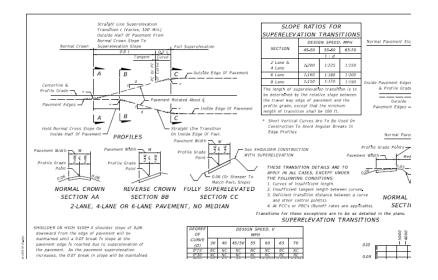


Table 2.9.2 Superelevation Rates for Urban Highways and High Speed Urban Streets (e _{max} = 0.05)						
		TAE	BULATED VAL			
egree of	Radius	DESIGN SPEED (mph)				
Curve	R	30	35	40	45	50
D	(ft.)					
2* 00'	2,865	NC	NC	NC	NC	NC
2* 15	2,546					RC
2* 45'	2,083				NC	
3* 00'	1,910				RC	
3* 45'	1,528			NC		
4* 00'	1,432			RC		
4* 45'	1,205					RC
5* 00' 5* 15'	1,146		NC RC			0.023
5" 15"			RG			0.027
5" 45'	1,042					0.030
5 45 6° 00'	955				RC	0.035
6" 15'	917				0.022	0.040
6* 30'	881				0.022	0.045
6" 45'	849				0.024	
7* 00'	819	NC			0.027	Dmax - 6* 30'
7*15	790	RC			0.033	0.00
7* 30'	764	No			0.033	{
7* 45'	739				0.041	1
8* 00'	716			RC	0.045	1
8" 15'	694			0.022	0.050	
8* 30'	674			0.025	Dmax -	1
8* 45'	655			0.027	8" 15'	
9* 00'	637			0.030		4
9* 30'	603			0.034	1	
10* 00'	573			0.040	1	
10* 30'	546		RC	0.047	1	
11" 00"	521		0.023	Dmax -	1	
11* 30'	498		0.026	10" 45		
12" 00'	477		0.030		-	
13* 00'	441		0.036			
14" 00'	409	RC	0.045			
15" 00"	382	0.023	Dmax -			
16* 00'	358	0.027	14" 15'			
17* 00'	337	0.032				
18* 00'	318	0.038]			
19" 00"	302	0.043	1			
20" 00"	286	0.050				
		Dmax - 20* 00'				

Incurrent 2015



Session Overview

- Create Superelevation Shapes Design Model
- Create Superelevation Sections
- Create Superelevation Lanes
- Calculate/Import Superelevation
- Editing Superelevation Shapes (graphics and Project Explorer)
- Template Superelevation Controls (flags and rollover)
- Assign Superelevation Sections to Corridors
- Open Cross Section Viewer
- Superelevation Reports and Diagram Editing
- Superelevation Point Controls!



QUESTIONS AND COMMENTS

Thank you for attending !

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