ATTENTION!

PLANS PREPARATION MANUAL, VOLUME I - ENGLISH
JANUARY 2000

PLEASE REPLACE PAGES 2-49 AND 2-50 WITH THE ATTACHED "CORRECTED COPY 1/00".

January 4, 2000

2.9 Superelevation

Table 2.9.1 Superelevation Rates for Rural Highways Urban Freeways and Highspeed Urban Highways (e_{max} = 0.10)

TABULATED VALUES							
Degree of Curve *D*	**Radius *R* (ft)**	**DESIGN SPEED (mph)**					
		30	**40**	**50**	**60**	**65**	**70**
0^0 15'	22,918	NC	NC	NC	NC	NC	NC
0^0 30'	11,459	NC	NC	NC	RC	RC	RC
0^0 45'	7,639	NC	NC	RC	.023	.025	.028
1^0 00'	5,730	NC	NC	.021	.030	.033	.037
1^0 30'	3,820	NC	.021	.031	.043	.048	.054
2^0 00'	2,865	RC	.028	.040	.055	.062	.070
2^0 30'	2,292	.021	.034	.049	.067	.075	.085
3^0 00'	1,910	.025	.040	.057	.077	.087	.096
3^0 30'	1,637	.029	.046	.065	.086	.095	.100
4^0 00'	1,432	.033	.051	.072	.093	.099	Dmax = 3^0 30'
5^0 00'	1,146	.040	.061	.083	.098	Dmax = 4^0 15'	
6^0 00'	955	.046	.070	.092	Dmax = 5^0 15'		
7^0 00'	819	.053	.078	.098			
8^0 00'	716	.058	.084	.100			
9^0 00'	637	.063	.089	Dmax = 8^0 15'			
10^0 00'	573	.068	.094				
11^0 00'	521	.072	.097				
12^0 00'	477	.076	.099				
13^0 00'	441	.080	.100				
14^0 00'	409	.083	Dmax = 13^0 15'				
15^0 00'	382	.089					
16^0 00'	358	.093					
18^0 00'	318	.097					
20^0 00'	286	.099					
22^0 00'	260	.100					
		Dmax = 24^0 45'					

NC = Normal Crown (-0.02) RC = Reverse Crown (+0.02)
Rates for intermediate *D*'s are to be interpolated

2.9 Superelevation

Figure 2.9.1 Superelevation Rate For Rural Highways

Urban Freeways And High Speed Urban Highways (e_{max}=0.10)