

REVISED ON 7/05

TC-5.01

MINIMUM RADII AND TRANSITION LENGTHS FOR 2% SUPERELEVATION

RADIUS (FEET)	E (%)	F	DV (MPH)	LS (FEET)	
				PAVEMENT WIDTH (W)	
				W ≤ 72 FT.	W > 72 FT
>738	2.0	.163	45	126	NOTE: FOR PAVEMENT WIDTHS GREATER THAN 72 FEET USE LS VALUES DEVELOPED BY THE DESIGN SOFTWARE.
539	2.0	.178	40	113	
377	2.0	.197	35	101	
249	2.0	.221	30	90	
154	2.0	.252	25	80	
84	2.0	.300	20	75	

MINIMUM RADII FOR DESIGNS  
UTILIZING NORMAL PAVEMENT CROWN

RADIUS (FEET)	F	NC (MPH)
> 945	.163	45
676	.178	40
462	.197	35
299	.221	30
180	.252	25
96	.300	20

SUMMARY OF STD. TC-5.01 ULS (URBAN-LOW SPEED) DESIGN FACTORS

802.24

VIRGINIA DEPARTMENT OF TRANSPORTATION