

TC-5

DESIGN FACTORS FOR A DESIGN SPEED OF 60 MPH (RURAL) USING E= 8% MAX.

DESIGN VELOCITY=60		WIDTH=18 FT			WIDTH=20 FT			WIDTH=22 FT			WIDTH=24 FT			WIDTH=48 FT			WIDTH=72 FT		
		IGRDS EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)																	
		1 @ 9'			1 @ 10'			1 @ 11'			1 @ 12'			2 @ 12'			3 @ 12'		
RADIUS(FT)	E(%)	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	w
20000	2.1	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0
15000	2.1	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0
10000	2.1	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0	180	180	0.0
7000	2.4	158	180	0.0	158	180	0.0	158	180	0.0	158	180	0.0	158	180	0.0	158	180	0.0
5000	3.3	115	180	0.0	115	180	0.0	115	180	0.0	115	180	0.0	115	180	0.0	115	180	0.0
4000	4.0	95	180	0.0	95	180	0.0	95	180	0.0	95	180	0.0	95	180	0.0	116	220	0.0
3000	5.0	76	180	0.0	76	180	0.0	76	180	0.0	76	180	0.0	84	200	0.0	118	280	0.0
2500	5.8	40	180	3.4	43	180	2.4	66	180	0.0	66	180	0.0	87	240	0.0	116	320	0.0
2250	6.2	40	180	3.5	42	180	2.5	61	180	0.0	61	180	0.0	89	260	0.0	116	340	0.0
2000	6.7	40	180	3.6	42	180	2.6	57	180	0.0	57	180	0.0	88	280	0.0	113	360	0.0
1750	7.2	40	180	3.8	47	200	2.8	53	180	0.0	59	200	0.0	88	300	0.0	117	400	0.0
1500	7.7	44	200	3.9	46	200	2.9	55	200	0.0	60	220	0.0	88	320	0.0	115	420	0.0
1300	8.0	43	200	4.1	50	220	3.1	58	220	2.1	58	220	0.0	84	320	0.0	116	440	0.0
⊗ 1204	8.0	43	200	4.2	50	220	3.2	58	220	2.2	58	220	0.0	84	320	0.0	116	440	0.0

NOTE:

CR, LS & w VALUES IN FEET.

FOR PAVEMENT WIDTHS GREATER THAN 72 FEET
USE LS VALUES DEVELOPED BY IGRDS.

⊗ MINIMUM ALLOWABLE RADIUS