

DESIGN FACTORS FOR A DESIGN SPEED OF 65 MPH (RURAL) USING E= 8% MAX.

DESIGN VELOCITY-65		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(%)	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w
20000	2.1	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0
15000	2.1	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0
10000	2.1	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0	200	200	0.0
7000	2.7	156	200	0.0	156	200	0.0	156	200	0.0	156	200	0.0	156	200	0.0	156	200	0.0
5000	3.7	114	200	0.0	114	200	0.0	114	200	0.0	114	200	0.0	114	200	0.0	125	220	0.0
4000	4.4	96	200	0.0	96	200	0.0	96	200	0.0	96	200	0.0	96	200	0.0	125	260	0.0
3000	5.6	75	200	0.0	75	200	0.0	75	200	0.0	75	200	0.0	98	260	0.0	128	340	0.0
2500	6.5	44	200	3.5	47	200	2.5	65	200	0.0	65	200	0.0	97	300	0.0	130	400	0.0
2250	6.9	44	200	3.6	47	200	2.6	61	200	0.0	67	220	0.0	98	320	0.0	128	420	0.0
2000	7.4	44	200	3.7	51	220	2.7	57	200	0.0	63	220	0.0	97	340	0.0	125	440	0.0
1750	7.8	48	220	3.9	51	220	2.9	60	220	0.0	65	240	0.0	97	360	0.0	124	460	0.0
1500	8.0	48	220	4.1	55	240	3.1	58	240	2.0	63	240	0.0	95	360	0.0	126	480	0.0
⊗ 1488	8.0	48	220	4.1	55	240	3.1	58	240	2.0	63	240	0.0	95	360	0.0	126	480	0.0

NOTE:

Lt, Lr & w VALUES IN FEET.

⊗ MINIMUM ALLOWABLE RADIUS

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