GEOMETRIC DESIGN STANDARDS FOR TWO LANE RURAL HIGHWAYS

Project Elements	***1. Classification***			***2. Classification***			***3. Classification***		
Design Traffic Volume (pcu/hr)	400-1200			300-1000			200-800		
Topography	Flat	Undulating	Mountainous	Flat	Undulating	Mountainous	Flat	Undulating	Mountainous
Design Speed (km/hr)	100	80	70	80	70	60	70	60	50
Min. Horizontal Curve Radius (m)	555	355	275	355	275	200	275	200	140
Min. Crest Vertical Curve Radius (m)	25000	15000	5000	15000	10000	2500	10000	5000	1500
Min. Sag Verrtical Curve Radius (m)	8000	5000	2000	5000	3000	1500	3000	2000	1200
Max. Grade (%)	4	6	7	5	7	8	6	8	9
Max. Super-elevation (%)	8	8	8	8	8	8	8	8	8
Crossfall (%)	2	2	2	2	2	2	2	2	2
Lane Width (m)	3.50	3.50	3.50	3.25	3.25	3.25	3.00	3.00	3.00
Shoulder Width (m)	2.50	2.50	2.50	2.00	2.00	2.00	1.00	1.00	1.00
Carriageway Width (m)	12.00	12.00	12.00	10.50	10.50	10.50	8.00	8.00	8.00
Bridge Width (m) (Design Load: H20-S16)	8.50	8.50	8.50	8.50	8.50	8.50	7.00	7.00	7.00
Right-of-Way Width (m)	60.00	60.00	60.00	40.00	40.00	40.00	20.00	20.00	20.00