

RM of Mervin No. 499

POLICY TITLE		ADOPTED BY	
Roadway Standards Policy		Council Resolution	544-18
ORIGIN/AUTHORITY	JURISDICTION	EFFECTIVE DATE:	PAGE #
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Design Specification	Heavy Haul High Volume Municipal Highway	Primary Grid with Potential Surface	Farm and Multi Industrial Use	Single Industrial Use & Residential & Recreation Road Access	Recreation Streets	Internal Camp Ground	Turn Around Residential
Design Speed	110 km/hr	100 km/hr	90 km/hr	70 km/hr	60 km/hr	40 km/hr	30 km/hr
Surface Type	Asphalt Concrete; Strengthened Subgrade	Asphalt Concrete; Sealed Based; Gravel; Strengthened Subgrade	Dust Treated Gravel; Oil Treatment	Dust Treated Gravel; Oil Treatment	Dust Treated Gravel; Oil Treatment	Clay/Gravel	Dust Treated Gravel; Oil Treatment
Road Top Width Min. For future Surface Width	Min. 13.0 Top (8.5-10)	Min. 11.3m Top (8.5-10)	Min. 8.6m	Min. 7.5m	Min. 7.0m	Min. 7.0m	15m Radius
Minimum Radius of Curvature	300m	300m	300m	250m	N/A	N/A	N/A
Maximum Gradient	8% 7% Preferred	9% 7% Preferred	9% 8% Preferred	10% 9% preferred	6%	9%	3%
Stopping sight Distance	220m@ 110km/hr	200m@ 100km/hr	140m@ 80 km/hr	140m@ 80 km/hr	N/A	N/A	N/A
Bridges – Loading Width:MS200	MS200 8.6m	MS200 8.6m	MS200 8.6m	MS 200 7.5m	N/A	MS200 7.0 m	N/A
Right of Way	42-46m	30-42m	30m - 36m	20m-30m	20m	15m	35-40m
Sideslopes	4:1	3:1	2.5:1 - 3:1	2.5:1 - 3:1	4:1	5:1	4:1
Backslopes	2:1 – 4:1	2:1 – 4:1	2:1 – 4:1	2:1 – 4:1	4:1	5:1	4:1
Ditch Width	3.0 – 6.0m	2.0 – 4.0m	2.0 – 4.0m	1.5-3.0m	1.5-3.0m	N/A	1.5-3.0m
Height Above Surrounding Landscape	0.8m	0.7m	0.6m	0.5m	0.5m	0.2m	0.5m
Subcuts	0.6m	0.6m	0.6m	0.4m	Topsoil removed	Topsoil removed	Topsoil removed
Approaches To Munic Road	11.0m with flares to 13m	10.0m with flares to 12.0m	9.0m straight	9.0m straight	6.5m straight with flares to 8.0m	6.5m straight with flares to 8.0m	6.5m straight with flares to 8.0m
Approach Sideslopes	5:1	5:1	5:1	5:1	5:1	5:1	5:1