



DESIGN ELEMENT	MAINE DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN GUIDE
Design Year	2030
Functional Classification	Limited Access Two-Lane Highway within a Four-Lane Right-of-Way
Terrain	Level
Design Speed	110km/h (70 mph)
Lane Widths	3.6m (12')
Shoulder Widths	Right 3.0m (10') Left 1.2m (4')
Cross Slopes	6.0% max. superelevation 2.1% normal 4.2% shoulder – normal
Median Width	To be determined by field conditions. Minimum 6.71m (22')
Clear Zone	Variable. Dependant on design speed, traffic volume and side slopes.
Side Slopes Cut Front of Slope Depth of Ditch Back Slope Fill 0m – 6.10m Height > 6.10m Height	1:6 A rounded ditch section should be used unless hydraulic capacity warrants the use of a trapezoidal ditch. The depth of ditch shall be maintained 0.31m (1') below subgrade. 1:2 1:6 / 1:4 (hinged) 1:2
Minimum Stopping Sight Distance	259.08m (850')
Decision Sight Distance	335.25m (1100')
Minimum Radius	635.05m (2083.48')
Vertical Grades	3% max. 0.25% minimum desirable 0% minimum
Minimum Vertical Clearance	5.03m (16'-6") for New and Replaced Overpassing Bridges. 4.88m (16'-0") for Existing Overpassing Bridges.