HYDRAULIC DESIGN DATA FOR BRIDGES

North Dakota Department of Transportation, Bridge
SFN 9634 (4-2026)

Project Control Number	Project Number	Bridge Number

Measured Parameter	Measurement
Drainage Area	Square Miles
Design Frequency	- Year
Design Discharge	cfs
Design Stage (upstream)	ft
Stream Gradient (ft/ft)	ft/ft
Waterway Provided Below Design Stage	sq ft
Waterway Provided Below Clearance Elevation	sq ft
Average Velocity of Flow in Natural Channel	ft/sec
Depth of Flow	ft
Velocity of Flow Under Bridge	ft/sec
Freeboard Provided	ft
1 00-year Frequency Discharge	cfs
1 00-year Frequency Stage	ft
Overtopping Stage	ft
Overtopping Discharge	cfs
Minimum Water Elevation	ft
Structure Selection	

Comments