

Appendix A New Private Roadway and Bridge Standards

	Road Design Standards	Bridge Design Standards
Type I Roads (Serving 20-50 lots)	Cowlitz County Public Works Road and Street Design Standards	WSDOT Design Manual
	Cowlitz County Public Works Standard Details	WSDOT Standard Specification for Road Bridge and Municipal Construction
	WSDOT Design Manual	WSDOT Standard Plans
	WSDOT Standard Specification for Road Bridge and Municipal Construction	AASHTO LRFD Bridge Design Specifications
	WSDOT Standard Plans for Road and Bridge Construction	AASHTO LRFD Bridge Construction Specifications
	AASHTO Policy on Geometric Design of Highways and Streets	
	AASHTO Roadside Design Guide	
Manual on Uniform Traffic Control Devices (MUTCD)		
Type II Roads (Serving 3-19 lots)	WSDOT Standard Specification for Road Bridge and Municipal Construction	AASHTO LRFD Bridge Design Specifications
	AASHTO Guidelines for Geometric Design of Very Low-Volume Roads (ADT≤400)	AASHTO LRFD Bridge Construction Specifications
	AASHTO Policy on Geometric Design of Highways and Streets	AASHTO HS 20-44 live load or greater
	Cowlitz County Detail Drawing for Road Approach (CC-1319)	
	Typical Cross-section in Appendix B	
Type III Roads* (Serving 3-4 lots)	Typical Cross-section in Appendix B	N/A
	Type III roadways shall be constructed of a minimum of 6 inches of ballast or pit run along with 4-inches of compacted crush rock (1-1/2" minus).	
Existing Bridges	N/A	All bridges on private roads shall be designed and certified, or inspected and certified, by a qualified professional engineer licensed in the State of Washington. Design shall provide for a minimum fifty thousand pound minimum gross vehicle weight using AASHTO vehicle type 3. All bridges shall be constructed and maintained in accordance with the current edition of the Washington State Department of Transportation "Standard Specifications for Road, Bridge and Municipal Construction." The bridge shall be posted as to the safe weight limits and conditions as certified by the inspecting engineer. Periodic inspections shall be performed on all bridges. The period and type of inspection shall be stated in the maintenance agreement and plan.

*Type III Roadways must meet specific standards; modification from these standards are prohibited.

**New & upgraded bridges will be required to meet WDFW hydraulics code WAC 220-110-070.

***See WDFW Design of Road Culverts for Fish Passage for design and guideline references.