

*I-5 Willamette River Bridge Project*  
**Design and Environmental Issues**

*(Draft) Jan. 8, 2007*

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**Design Parameters:**

- Cost
- Vertical and horizontal geometry
- Structural requirements (span lengths, seismic requirements)
- Clearance requirements (over railroad and streets)
- Interchange spacing requirements
- Construction staging and traffic maintenance
- Demolition restrictions

**Environmental Considerations/Requirements:**

- Fish and Wildlife
- Noise
- Aesthetics
  - Bridge types
  - Views of bridge from surrounding areas
  - Views from bridge
- Recreation
  - River uses
  - Parks
  - Trails
- Land use and Statewide Planning Goals
- Historic resources
- Hazardous materials
- Water quality