

Portland to Milwaukie Light Rail  
Willamette River Bridge Study

Screening “Many to Some”

**Screening Criteria Category: Engineering-Fundamentals**

**Screening Criteria Name: Constructability**

*Brief Description of Importance:*

Bridge alternatives considered have different level of construction complexity and familiarity to contractors. Different bridge types also have different level of construction schedule risk. For example, concrete segmental bridge is the most common bridge type considered. Construction schedule can be jeopardized by the use of materials requiring lengthy procurement process. If all other factors were considered equal, the most common to construct bridge with the least use of complex or unusual fabrication or erection methods would be considered the best.

**Metrics:**

Constructability

**Evaluation Methodology:**

Best Score = Most common to construct

**Scoring:**

Blended numeric score from 1-15. 15 = best, 1 = worst