

Portland to Milwaukie Light Rail  
Willamette River Bridge Study

Screening “Many to Some”

**Screening Criteria Category: Engineering-Fundamentals**

**Screening Criteria Name: Initial Cost**

***Brief Description of Importance:***

Control over the initial cost of this major element of the Portland to Milwaukie Light Rail Project (the Willamette River Transit Bridge) is critical to delivering the Federal share of the project funding, the local funding share, and to the overall goals of the project embodied in the Locally Preferred Alternative. If all other factors were considered equal, the lowest initial cost bridge would be the best.

**Metrics:**

Estimated relative cost of this bridge type compared to others under consideration

**Evaluation Methodology:**

Best Score = Lowest Cost

**Scoring:**

Blended numeric score from 1-10. 10 = best, 1 = worst

Scoring is based on comparative ranking of the 15 bridge types considered using the best historic information available. Initial cost scoring was revised, to reflect navigation span length increase for concrete segmental, tied arch, thru arch, extradosed and wave frame bridge types. All of these options were ranked at 8, which is the original ranking of the cable-stayed bridge assigned to it at 8/28/08 TAC meeting. Because 6 out of 15 bridge types were ranked at 8, the maximum score assigned to the best alternative is 10