

Portland to Milwaukie Light Rail
Willamette River Bridge Study

Screening “Many to Some”

Screening Criteria Category: Engineering-Fundamentals

Screening Criteria Name: Navigation Performance

Brief Description of Importance:

Providing the bridge with the best possible navigation performance will be critically important for satisfying the River Users and for receiving USCG Permit for Construction. If all other factors were considered equal, the bridge with the highest vertical and horizontal clearance (more than minimum) would be considered the best.

Metrics:

- A. Vertical navigation clearance
- B. Horizontal navigation clearance

Evaluation Methodology:

Best Score A = Highest Vertical Clearance
Best Score B = Highest Horizontal Clearance

Scoring:

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