

Portland to Milwaukie Light Rail  
Willamette River Bridge Study

Screening “Many to Some”

**Screening Criteria Category: Engineering-Fundamentals-Performance**

**Screening Criteria Name: Transit Performance**

***Brief Description of Importance:***

The bridge is a significant element of the Portland to Milwaukie Light Rail transit project. Bridges under consideration do not necessarily provide the same transit benefit. Some types under consideration may cause delays, service disruptions, or constrain schedules.

In addition, some types may require stiffening beyond normal limits to reduce deflection caused wear and tear on OCS and track components.

**Metrics:**

- A) Amount of grade separation between modes.
- B) Movable spans. Estimate number of movements per day. Estimated duration of movement action
- C) Inherent deck deflection

**Evaluation Methodology:**

Best Score = most modal grade separation, non-movable, with least deck deflection  
Intermediate/Good = non-movable with least deck deflection  
Intermediate/Poor = non-movable with most deck deflection  
Worse = movable with slowest action and most movements

**Scoring:**

Ranking from 1-15. 15 = best, 1 = worst