Bridge History

Willamette River Transit Bridge  WRBAC Meeting #1

Source: SKYLINES, American cities yesterday and today
Existing Context and Bridges

Willamette River Transit Bridge  WRBAC Meeting #1

Sellwood Bridge - 1925

Willamette River Transit Bridge

Broadway Bridge - 1913
Steel Bridge - 1912
Burnside Bridge - 1926
Morrison Bridge - 1958
Hawthorne Bridge - 1910
Marquam Bridge - 1966

Ross Island Bridge - 1926

Fremont Bridge - 1973

Sellwood Bridge - 1925
Willamette River Bridges

North to South Locations

St. Johns Bridge ~ 1931
Designed/Engineer: H.T. Nutter
UTM: 26G045
UTM: 326186.950300

Fremont Bridge ~ 1973
Designed/Engineer: Peirce, Binkley, Huff, Spofford, and Douglas (New York, N.Y)
UTM: 26G104
UTM: 326199.894210

Broadway Bridge ~ 1913
Designed/Engineer: Alphee Bridges and Structural Engineering (Chicago, I.)
UTM: 26G125
UTM: 326263.901382

Steel Bridge ~ 1912
Designed/Engineer: Kessell & Harrington (Kansas City, MO)
UTM: 26G141
UTM: 326295.804120

Burnside Bridge ~ 1926
Designed/Engineer: W.M. Osterman, Inc. (New York, N.Y)
UTM: 26G177
UTM: 326360.564932

Source: The Portland Bridge Book

Willamette River Transit Bridge  WRBAC Meeting #1
Willamette River Bridges

North to South Locations

1. **Morrison Bridge ~ 1958**
   - Designer/Engineer: Fairbanks, Pond & roller (Portland, OR) and Henderson & Pope (New York, NY)
   - CR: 106
   - UTM: 10 523930 524930

2. **Hawthorne Bridge ~ 1910**
   - Designer/Engineer: Gifford, Varnum & Novak (Portland, OR) and Henderson & Pope (New York, NY)
   - CR: 106
   - UTM: 10 523930 524930

3. **Marquam Bridge ~ 1966**
   - Designer/Engineer: Oregon State Highway Department
   - CR: 106
   - UTM: 10 523930 524930

4. **Ross Island Bridge ~ 1926**
   - Designer/Engineer: Gifford, Varnum & Novak (Portland, OR) and Fairbanks (New York, NY)
   - CR: 106
   - UTM: 10 523930 524930

5. **Sellwood Bridge ~ 1925**
   - Designer/Engineer: Gifford, Varnum & Novak (Portland, OR) and Fairbanks (New York, NY)
   - CR: 106
   - UTM: 10 523930 524930

Source: The Portland Bridge Book

**Willamette River Transit Bridge**

WRBAC Meeting #1

Movables Bridges – 5 total
Fixed Bridges – 5 total
Hawthorne Bridge -1910
Movable Main Span - 244’
Designer / Engineer – Waddell & Harrington
Pedestrians and bicycles allowed
Willamette River Bridges

Steel Bridge -1912
Movable Main Span - 211'
Designer / Engineer – Waddell & Harrington
Pedestrians and bicycles allowed
Willamette River Bridges

Broadway Bridge -1913
Movable Main Span - 278'
Designer / Engineer – Ralph Modjeski and Strobel Engineering
Pedestrians and bicycles allowed
Sellwood Bridge -1925
Fixed Main Span - 300’
Designer / Engineer – Gustav Lindenthal
Pedestrians and bicycles allowed
Willamette River Bridges

**Burnside Bridge -1926**

Movable Main Span - 252’
Pedestrians and bicycles allowed
Ross Island Bridge - 1926

Fixed Main Span - 535’
Designer / Engineer – Gustav Lindenthal
Pedestrians and bicycles allowed
St. Johns Bridge -1931

Fixed Main Span - 1207’
Designer / Engineer – Holton D. Robinson and Dr. David B. Steinman
Pedestrians and bicycles allowed
Morrison Bridge - 1958

Movable Main Span - 284’
Designer / Engineer – Moffatt, Nichol, and Taylor and Sverdrup & Parcel, Inc.
Pedestrians and bicycles allowed
Marquam Bridge -1966
Fixed Main Span - 440'
Designer / Engineer – Oregon State Highway Department
No pedestrians and bicycles allowed
**Fremont Bridge - 1973**

Fixed Main Span - 1255'

Designer / Engineer – Parsons, Brinkerhoff, Quade, and Douglas

No pedestrians and bicycles allowed
Bridge Context

Willamette River

Willamette River Transit Bridge  WRBAC Meeting #1
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Bridge Context

Portland City View, Mt. Hood from Rose Garden
Bridge Context

Willamette River Transit Bridge  WRBAC Meeting #1

Dragon Boat Races, Portland Rose Festival
Bridge Context

St. Johns Bridge, Mt. Hood
• What structures and buildings do you consider emblematic of the Portland region?

• What features of the Portland bridges do you think are valuable/attractive?
Bridge Context

Willamette River Transit Bridge  WRBAC Meeting #1

Fit

Oregon Health & Science University

Proposed Bridge Alignment

Downtown Portland

Marquam Bridge

Oregon Museum of Science and Industry

4.75%

75 ±

4.75%
Bridge Context

Fit

Downtown Portland

Oregon Museum of Science and Industry

South Waterfront

Oregon Health & Science University
Bridge Context

Willamette River Transit Bridge

WRBAC Meeting #1

Fit

Proposed Bridge Alignment
What visual elements of the new bridge are important to you?
What significant components of the surrounding area are critical to the design of the new bridge?
Bridge Context

Beauty

Willamette River Transit Bridge  WRBAC Meeting #1
Should the new Willamette River Transit Bridge stand out or blend with the surroundings?

What views of the new bridge are important?