Cable Stayed – Refined

Endorsed by:

- Citizen Advisory Committee
- Willamette River Bridge Advisory Committee
- Steering Committee
Committee Introductions

Willamette River Transit Bridge
Project Overview

- **August 2009:** 15% Design Submittal
- **December 2009:** 25% Design Submittal
- **March 2010:** PE Complete
SAN FRANCISCO – OAKLAND BAY BRIDGE / EAST SPAN
Oakland, CA
SAN FRANCISCO – OAKLAND BAY BRIDGE / EAST SPAN
Oakland, CA
Eastbound Traffic

westbound bicycle lane (5' - 3'')

eastbound bicycle lane (5' - 3'')

pedestrian path (5' - 0'')
DUBAI MARINA BRIDGE
Dubai, United Arab Emirates
COOPER RIVER BRIDGE
Charleston, SC
COOPER RIVER BRIDGE
Charleston, SC
INDIAN RIVER BRIDGE
Dover, DE
INDIAN RIVER INLET BRIDGE
Dover, DE

THE ANGULAR SHORELINES OF THE INLET TIE IN WITH THE GEOMETRY OF THE FOUR ANGULAR TOWERS

INLET
ROADWAY
WATER

INDIAN RIVER BRIDGE
Dover, DE

TRIOMET®

MACDONALD ARCHITECTS
GOLDEN GATE BRIDGE – TOLL PLAZA
San Francisco, CA
I-80 PEDESTRIAN BRIDGE
Berkeley, CA
I-80 PEDESTRIAN BRIDGE
Berkeley, CA
IRON HORSE TRAIL PEDESTRIAN BRIDGE
Pleasant Hill, CA
COOPER RIVER BRIDGE – GRAND OPENING
Charleston, SC
Next Steps

Refinement of significant elements

- Tower – pier
- Railing
- Lighting and OCS integration
- Greenway
- Programming bicycle and pedestrian path
## 2009 Preliminary Engineering Bridge Design Timeline

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25% design on Dec. 2
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SCHEME A

Inclined Tower
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SCHEME A
Inclined Tower
SCHEME B

V – Tower with Strut
SCHEME B
V – Tower with Strut
SCHEME B

V – Tower with Strut
SCHEME C

Split V – Tower with Strut
SCHEME C

Split V – Tower with Strut
SCHEME D

H – Tower
SCHEME D

H – Tower
SCHEME E
Steel – Tower
SECTION AT MID SPAN
Place Making
Discussion

Willamette River Transit Bridge

SCHEME A
Inclined Tower

SCHEME B
V – Tower with Strut

SCHEME C
Split V – Tower with Strut

SCHEME D
H – Tower

SCHEME E
Steel – Tower
Public Comment

Willamette River Transit Bridge

SCHEME A
Inclined Tower

SCHEME B
V – Tower with Strut

SCHEME C
Split V – Tower with Strut

SCHEME D
H – Tower

SCHEME E
Steel – Tower
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SCHEME 1 & 2
Next Steps

Willamette River Transit Bridge

Tower, Piers and Walkway Refinement

• Working Group Meeting
• July 24, 2009
• 9:00 to 11:00 am
• Mall Project Field Office

NW 5th and Everett

Cable Stay - Refined
Reference Drawings
Cross Section at Abutments  
From initial Bridge Study Work 10-15-2008

Landside Pier at Eastbank  
Moved west as part of refinement
Cable Stayed – Refined

Willamette River Transit Bridge
Cable Stayed – Refined

Willamette River Transit Bridge
Cable Stayed – Refined

Willamette River Transit Bridge

TYPICAL SECTION
SCALE: 1/4"=1'-0"
Cable Stayed – Refined

Willamette River Transit Bridge
Cable Stayed – Refined
Thank you

For more information, visit: trimet.org/pm