

Magnolia **BRIDGE** PROJECT



Public Meeting
October 16, 2007

Presentation at 6:00 p.m.



Seattle Department of Transportation

Overview

- Project Background
- Preferred Alignment – Alternative A
- Selected Structure Type & Column Design
- Bridge Amenities – Design Alternatives & Selected Designs
- Potential Detour Routes
- Funding & Next Steps



Project Background

- **Fall & Winter 2002:** “Universe of Alternatives” – 25 alignments narrowed to 9
- **Winter 2003 – Spring 2006:** Alternatives Analysis – narrowed list, rehabilitation alternative considered
- **Spring 2006:** Alternative A selected as preferred
- **Spring 2006 – Fall 2006:** Structure Type Options
 - Structure types & columns designs analyzed
 - Consultation with Design Advisory Group and Seattle Design Commission; Open House Fall 2006
- **Fall 2006:** Bridge Structure Type Selected



Preferred Alignment - Alternative A



0 100 200 400 600 1,000 feet

**Magnolia
BRIDGE
PROJECT**

City of Seattle Department of Transportation

ALTERNATIVE A

May 18, 2006



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Bridge Segments



1. 15th Avenue W Overcrossing: Existing



1. 15th Avenue W Overcrossing: Haunched Cast-in-Place Concrete Box Girder



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2. BNSF Railroad Overcrossing: Existing



2. BNSF Railroad Overcrossing: Precast Concrete Box Girders



3. 23rd Avenue Ramps: Existing



3. 23rd Avenue Ramps: Haunched Cast-in-Place Concrete Box Girder (Main Structure)



Precast Concrete Box Girders (Ramps Structure)



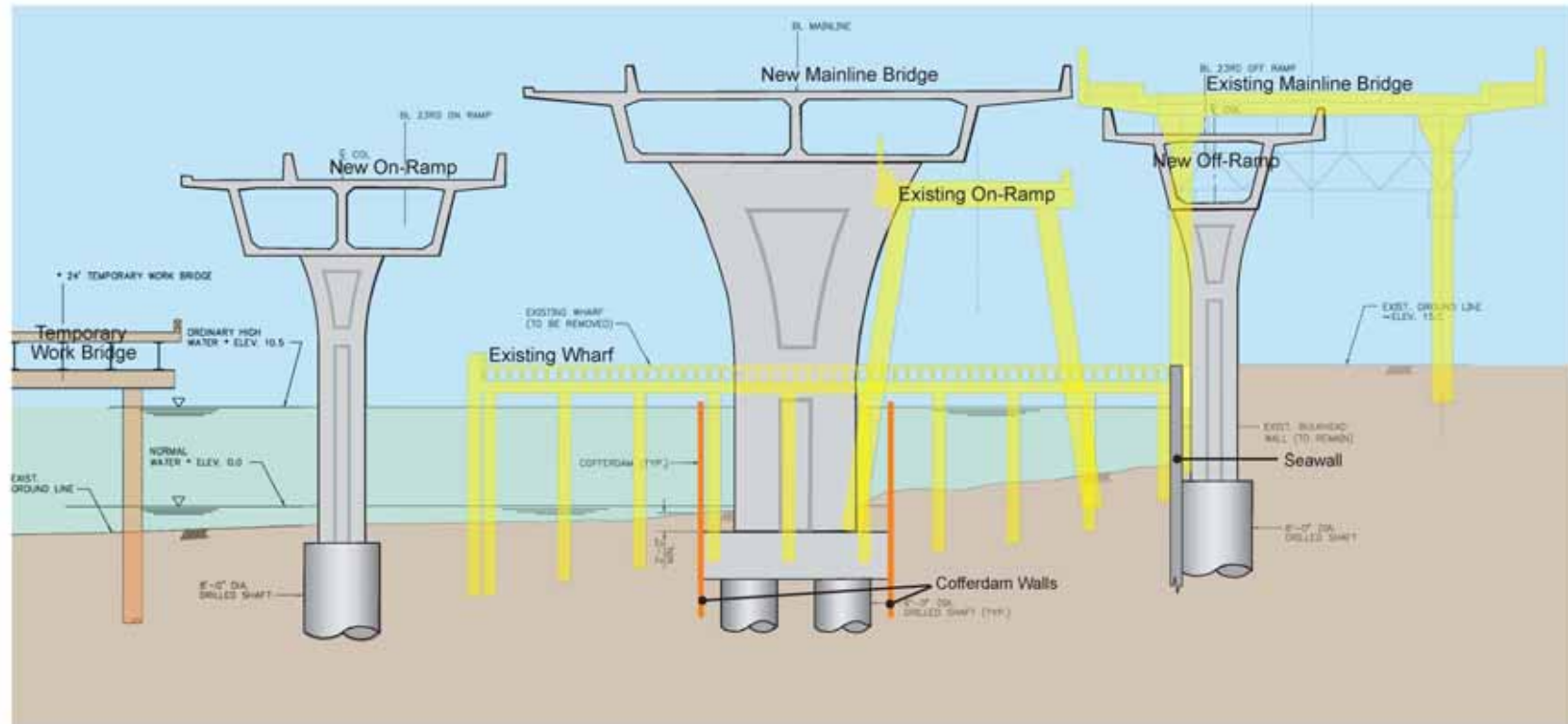
4. Magnolia Bluff: Existing



4. Magnolia Bluff: Haunched Cast-in-Place Concrete Box Girder



Cross Section View of New Magnolia Bridge



City of Seattle
Magnolia Bridge Replacement
Section at Smith Cove

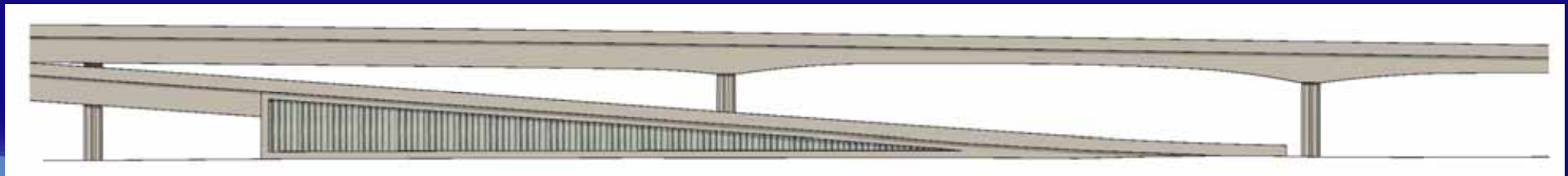
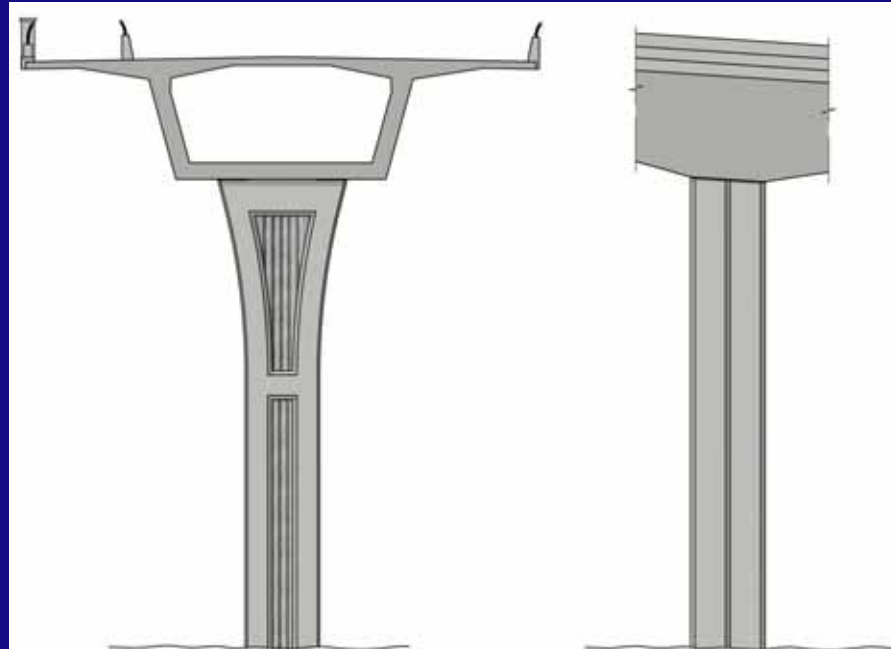


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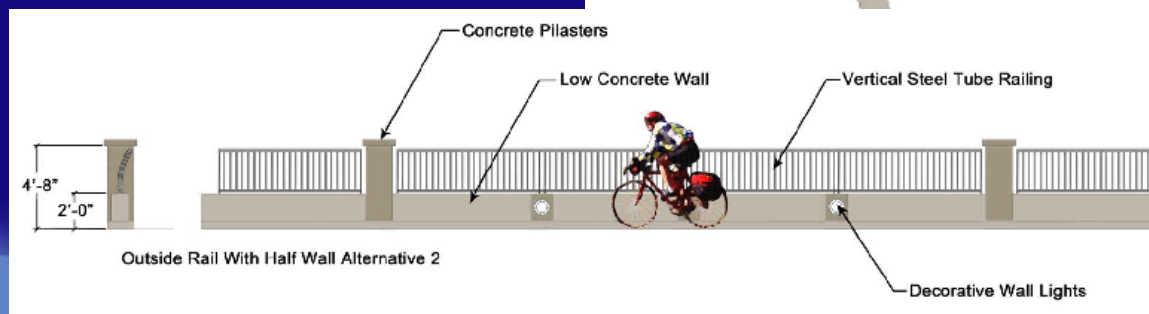
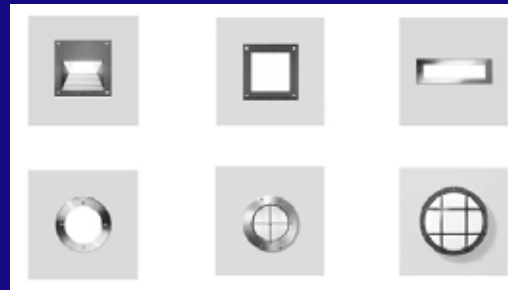
Lane Configuration of New Magnolia Bridge



Column & Wall Treatments: Selected Designs

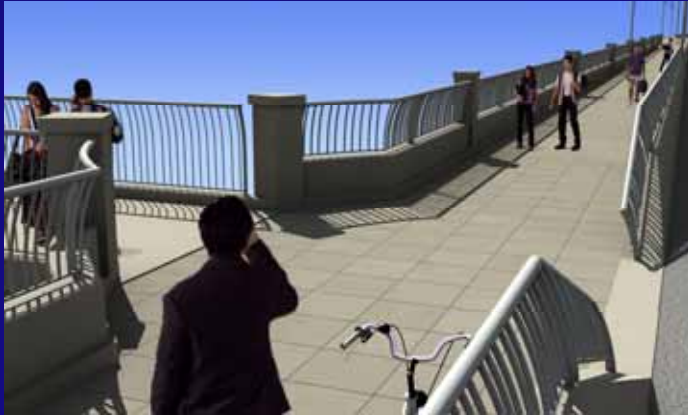


Railings & Lighting: Design Alternatives



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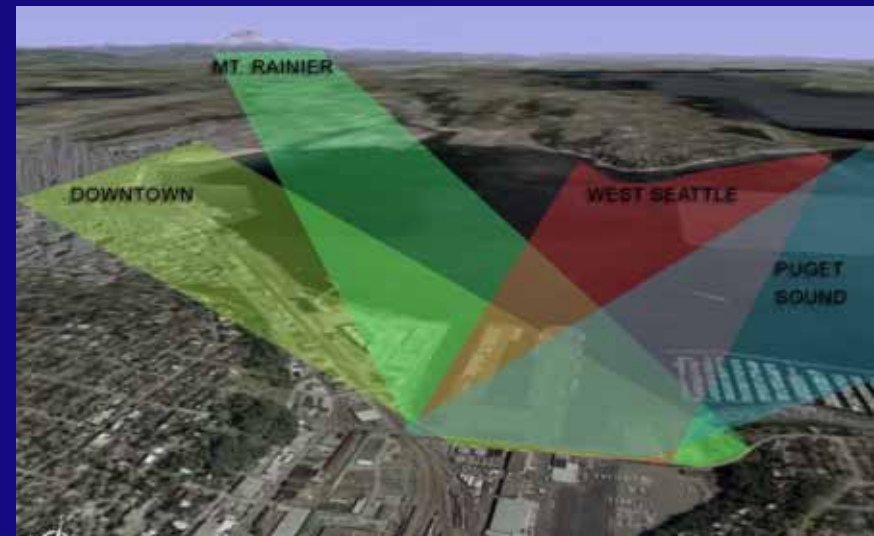
Railings & Lighting: Selected Designs



Potential Overlook Locations



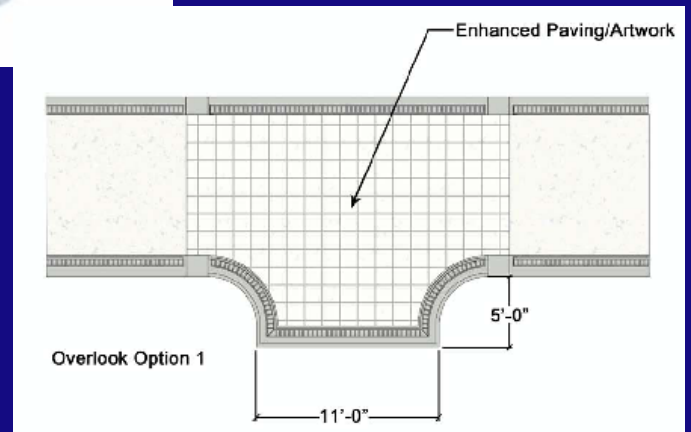
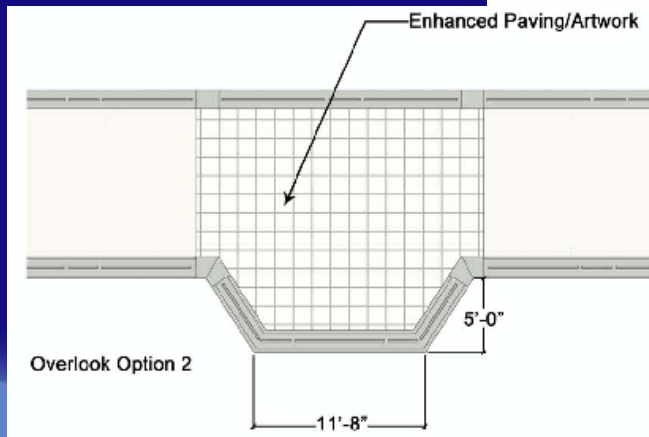
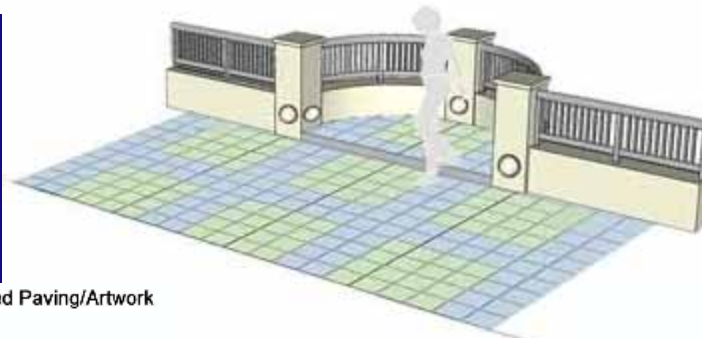
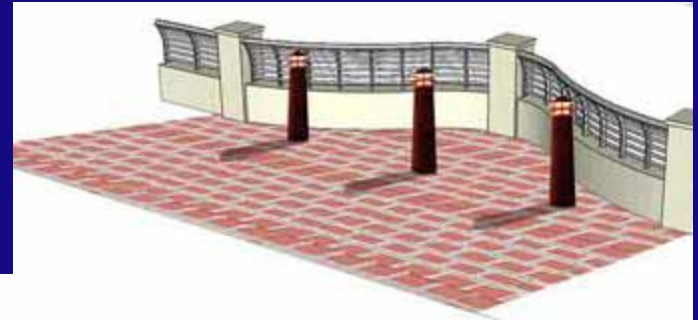
Potential Overlook Locations



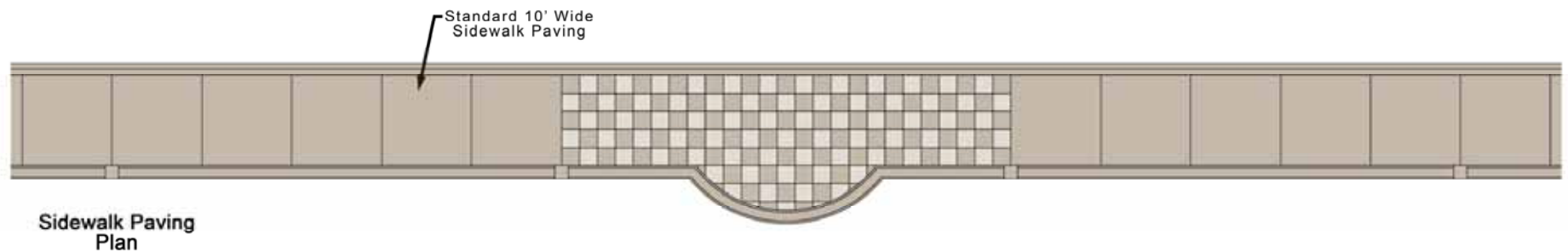
View Analysis



Overlooks: Design Alternatives



Overlooks: Selected Designs



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Bike & Pedestrian Access: Design Alternatives



Bike & Pedestrian Access: Selected Designs



Proposed Bus Stop Locations & Pedestrian Circulation



Potential Detour Routes (continued on next slide)



Temporary Ramp Alternative - North



Temporary Ramp Alternative - South



Potential Detour Routes



Surface Route Alternative



Project Planning & Funding

- Revised 2007 Project Cost Estimate: \$262 million
- Includes design, right-of-way and construction costs
- SDOT has not yet secured construction funding
- SDOT continues to pursue a blend of sources: Federal funding, grants, and other local and regional opportunities
- SDOT anticipates a funding delay of 5 years (or more)



Next Steps

- SDOT will hold design work at the 50 percent level until the City secures funding
- SDOT will continue to coordinate with the Port of Seattle about:
 - Northbay development
 - Emergency detour routes
 - Cruise ship terminal planning
 - Other topics related to the bridge



Thank You Design Advisory Group!

- Fran Calhoun
- Dan Burke
- John Coney
- Janis Traven
- Lise Kenworthy
- Doug Lorentzen
- Jose Montaña
- Mike Smith
- Dan Wakefield
- Dan Bartlett
- Robert Foxworthy



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