

Public Meeting September 13, 2006



Overview

- Project Background
- Preferred Alignment Alternative A
- Structure Type Options & Views
- Column Design Types
- Potential Bridge Amenities
- Potential Detour Routes
- Funding & Next Steps

Project Background

- SDOT commissioned a Type, Size, and Location (TS&L) study after the 1997 landslide and the 2001 Nisqually earthquake
- Bridge at risk if another seismic event were to occur
- Seismic upgrades would approach the cost of building a new bridge
- After technical, environmental, and public review, SDOT selected Alternative A as the preferred alignment

Alternatives Timeline

- Fall 2002: Identified "Universe of Alternatives" (25)
- Winter 2002: Fatal flaw analysis reduces list (9)
- Winter 2003: Additional screening (A, B, D, and H)
- Winter 2004 Spring 2006:
 - Alternative B eliminated (shoreline and public impacts)
 - Alternative H eliminated (functionality)
 - Alternative C added (to bring list to 3)
 - Rehab Alternative added
- Spring 2006: Alternative A selected as preferred

Preferred Alignment - Alternative A



0 10<u>0 2</u>00 40<u>0 60</u>0 1,000 feet

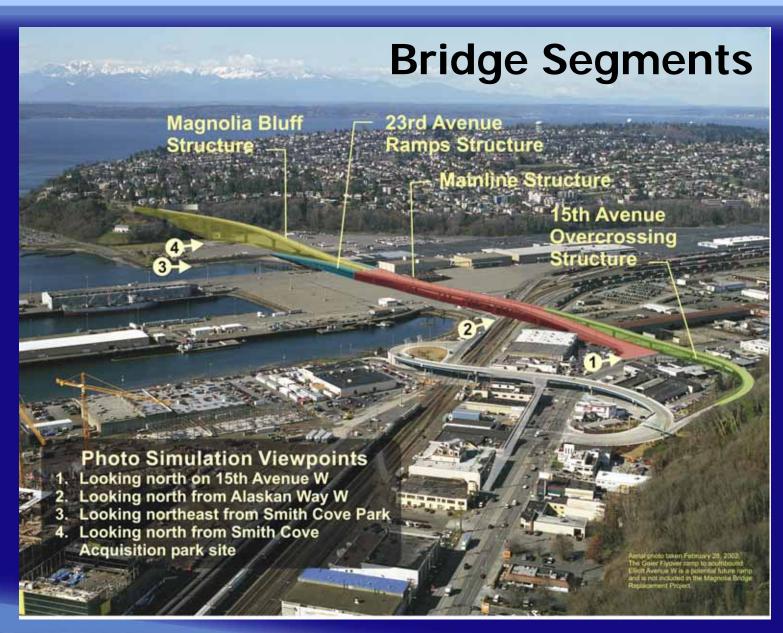


City of Seattle Department of Transportation

ALTERNATIVE A

Why Was Alternative A Selected?

- Responds to local transportation needs
- Strong based on environmental and technical analysis
- Received significant neighborhood, business, and governmental agency support
- Least disruptive to Magnolia residents on eastern edge and businesses under the bridge
- Allows Interbay business owners greater certainty in future planning
- Costs less than other proposed alternatives



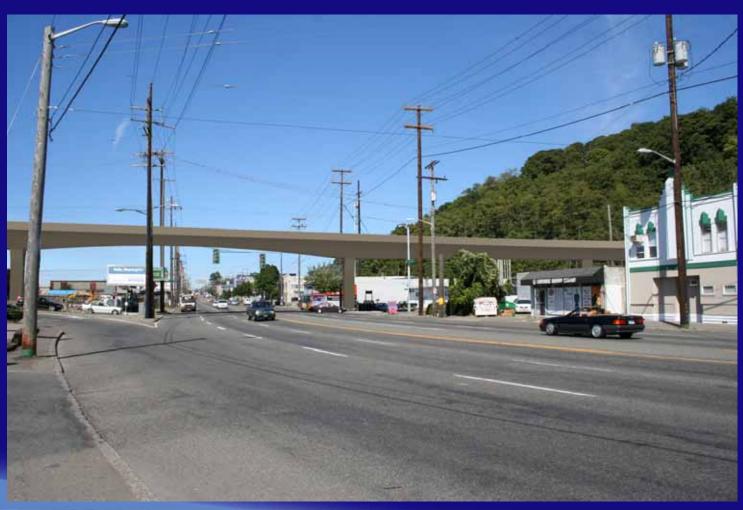
15th Avenue W Overcrossing: Existing



15th Avenue W Overcrossing: Prestressed Concrete Girders



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



15th Avenue W Overcrossing: Straight Cast-in-Place Concrete Box Girder



Mainline Structure: Existing



Mainline Structure: Prestressed Concrete Girders



Mainline Structure: Straight Cast-in-Place Concrete Box Girder



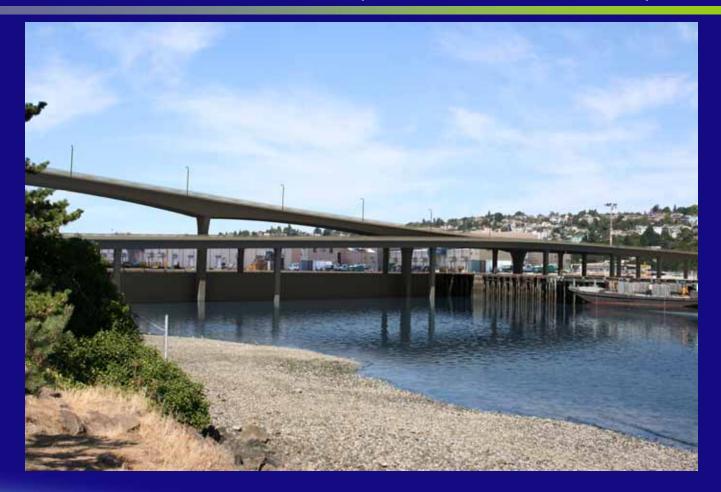
23rd Avenue Ramps: Existing



23rd Avenue Ramps: Prestressed Concrete Girders



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



Straight Cast-in-Place Concrete Box Girder (Ramps Structure)

Magnolia Bluff: Existing



Magnolia Bluff: Prestressed Concrete Girders



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



Column Types: Curved Flare









Column Types: Angular Flare









Seattle Department of Transportation

Column Types: Tapered

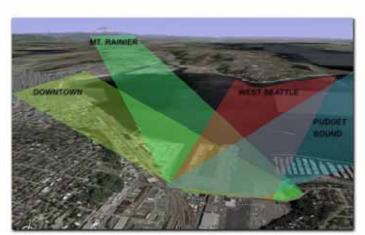








Overlooks



VIEW ANALYSIS

POTENTIAL OVERLOOK LOCATIONS



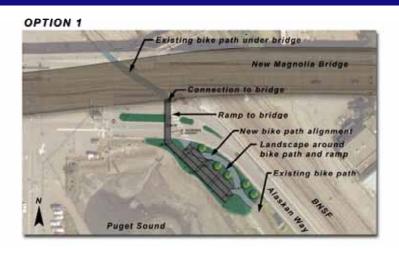
DESIGN OPTIONS

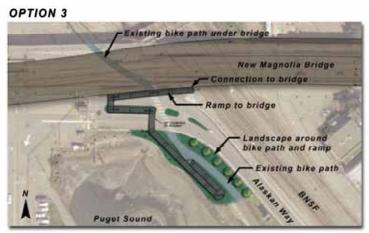


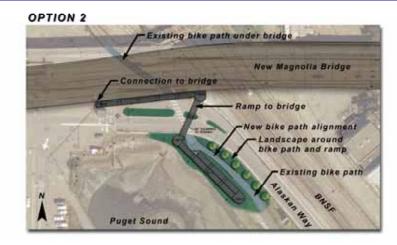


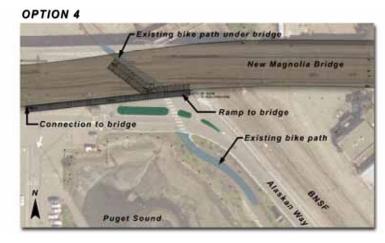
Seattle Department of Transportation

Bike & Pedestrian Access



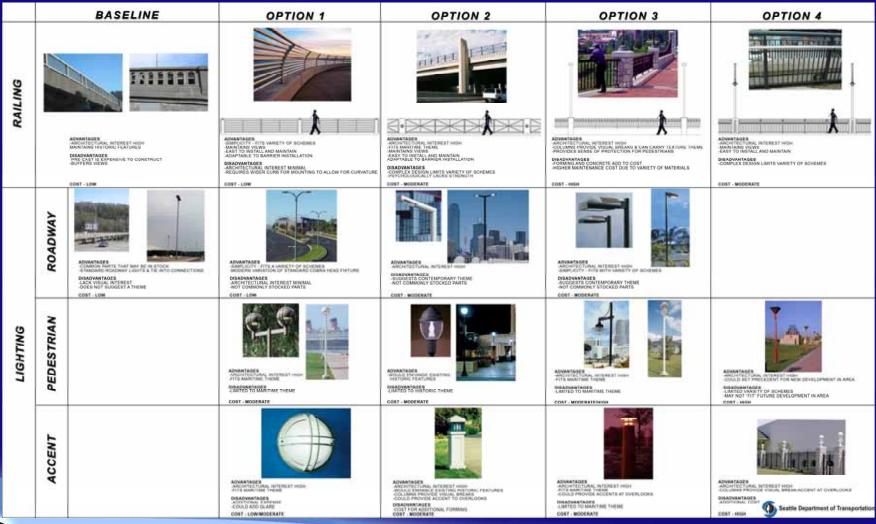






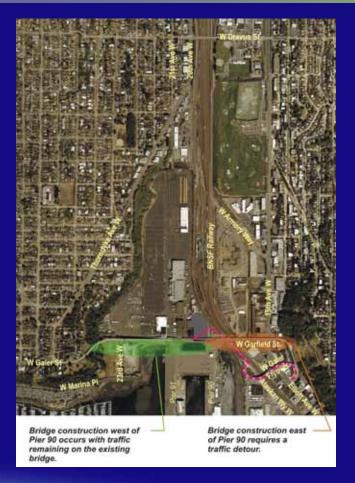


Railing & Lighting





Potential Detour Routes



Temporary Ramp Alternative



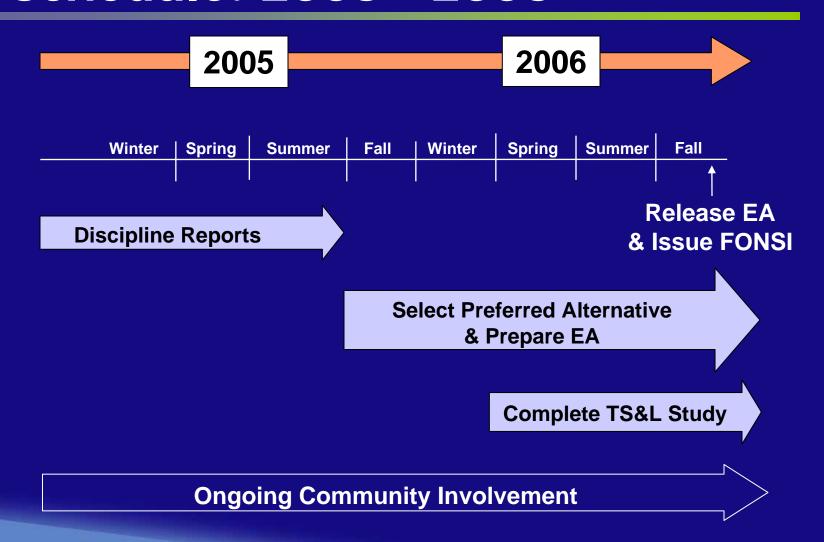
Surface Route Alternative



Funding

- Senator Patty Murray secured \$9 million to evaluate alternatives and complete final design work
- The City of Seattle is exploring several possible sources to put together a funding package to build the bridge, including:
 - Local funding partners
 - Grant funds through State and Federal sources
 - Local special taxing district
 - Direct Federal appropriation

Schedule: 2005 - 2006



Schedule: 2007 - 2009



Ongoing Community Involvement

For More Information Contact:



Kirk T. Jones

SDOT Project Manager (206) 615-0862 <u>KirkT.Jones@seattle.gov</u>

700 – 5th Ave, Ste 3900 P.O. Box 34996 Seattle, WA 98124-4996

www.seattle.gov/transportation/magbridgereplace.htm