Overview

- Alternatives
- Rehabilitation Alternative
- Inspections
- Environmental Analysis Results
- Cost and Schedule
- Next Steps
Alternative A
Alternative C
Alternative D
Rehabilitation Alternative

- **Existing structures retained:**
  1. 15th Ave W overpass;
  2. ramps to/from marina

- **Bridge deck and crossbeams replaced; columns, bracing, and foundations strengthened**

- **All structure removed and replaced:**
  3. center ramp to Terminal 91,
  4. ramp to 15th Ave W,
  5. railroad bridge

- **All structure removed and not replaced:**
  6. connection to building (Anthony’s Seafood Distributing)

- **Approximate limit of ground improvement**

*October 5, 2005*
Rehabilitation Alternative

- New crossbeams, bridge deck, sidewalk, & barriers
- Existing columns
- New columns
- New grade beam
- Existing foundation
- New drilled shaft foundation
Rehabilitation Alternative

new crossbeams, bridge deck, sidewalk, & barriers
existing columns
new steel bracing
new grade beam
existing foundation
new drilled shaft foundation
Rehabilitation Alternative
Inspections
Inspections
Inspections
Inspections
Inspections
Ground Improvements

- existing bridge profile
- new soil borings June/July 2005
- previous soil borings (typical)
- ground surface
- glacially overridden soil below this line

vertical exaggeration: 5X
Ground Improvements

- Ground improved to 30' from foundation
- Ground improved to depth of glacial soils

Seattle Department of Transportation
Design & Environmental Documentation

- **25 Alternatives**
  - Universe of Ideas
- **“Survivors”**
  - 9 Alternatives
- Issue Notice of Intent and Scoping Notice
- **4 Alternatives Selected for EA**
- Conduct Environmental Studies

Select Preferred Alternative – Prepare EA

- Circulate EA for Public Comment
- Respond to Comments
- Publish Final EA and Issue FONSI

We’re Here

Seattle Department of Transportation
Similar/Identical Impacts

- Water Quality
- Wetlands
- Air Quality
- Noise
- Cultural, Historic, and Archeological Resources
Impacts Differ by Alternative

- Construction Detour Time
- Added Travel Time
- Pedestrian Use & Safety
- Residential & Business Relocations
- Displacements & Environmental Justice
- Waterways, Hydrology, & Floodplains
- Vegetation
- Fish, Wildlife, & Habitat
- Geology, Soils & Topography
- Land Use
- Recreation
- Visual Quality
- Services and Utilities
- Hazardous Materials
## Estimated Total Project Costs

(Year of Expenditure in $Millions)

<table>
<thead>
<tr>
<th>Alternative</th>
<th>*90 Percentile Cost Estimates</th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>ROW</td>
<td>Design / Construction</td>
<td>Total</td>
</tr>
<tr>
<td>A</td>
<td>$32</td>
<td>$164</td>
<td>$196</td>
</tr>
<tr>
<td>C</td>
<td>$63</td>
<td>$151</td>
<td>$214</td>
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<tr>
<td>D</td>
<td>$56</td>
<td>$157</td>
<td>$213</td>
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<td>Rehabilitation</td>
<td>$1</td>
<td>$177</td>
<td>$178</td>
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</table>

*Cost estimates assume no delay in project schedule.*
## Costs to Date

Costs as of September 1, 2005

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage of Total</th>
<th>Total Spent to Date ($)</th>
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</thead>
<tbody>
<tr>
<td>Planning</td>
<td>12%</td>
<td>450,000</td>
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<tr>
<td>Design</td>
<td>24%</td>
<td>900,000</td>
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<tr>
<td>Environmental Review</td>
<td>43%</td>
<td>1,620,000</td>
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<tr>
<td>Public Involvement</td>
<td>21%</td>
<td>790,000</td>
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<tr>
<td><strong>Total Spent to Date</strong></td>
<td><strong>100%</strong></td>
<td><strong>3,760,000</strong></td>
</tr>
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</table>
Remaining Budget

• $\sim$6 million = City + consultant costs through completion of TS&L Study (Late 2006)

• $\sim$4 million will remain in 2007 to develop contract plans to $\sim$50% (Late 2007 – Early 2008)

• $4$ million needed to complete contract plans
Schedule: 2005 - 2006

2005

Winter | Spring | Summer | Fall | Winter | Spring | Summer | Fall

2006

Discipline Reports

Select Preferred Alternative & Prepare EA

Release EA

Issue FONSI

Complete TS&L Study

Ongoing Community Involvement

Seattle Department of Transportation
Schedule: 2007 - 2009

- **2007**: Winter, Spring, Summer, Fall
- **2008**: Winter, Spring, Summer, Fall
- **2009**: Winter, Spring

- **Complete Design and Right-of-Way Acquisition**
- **Begin Construction**

**Ongoing Community Involvement**

Seattle Department of Transportation