



Portland Design Commission Briefing

Department of Community Services
Transportation Division

October 18, 2018

Project Overview

Regional Earthquake Risk

- **"The Oregon Resilience Plan: Reducing Risk and Improving Recovery for the Next Cascadia Earthquake and Tsunami"** - *Report to the 77th Legislative Assembly from Oregon Seismic Safety Policy Advisory Commission (OSSPAC), Feb, 2013*
- **"The Really Big One: An earthquake will destroy a sizable portion of the coastal Northwest. The question is when."** - *The New Yorker, July 20th, 2015*
- **"Half Of Oregon's Critical Bridges Could Collapse In Quake"** - *OPB, Sept 25th, 2015*
- **"Unprepared: An Oregon Field Guide Special"** - *Season 27 Episode #2701 Oct 1st, 2015*



Illustration by Christoph Niemann; Map by Ziggymaj / Getty



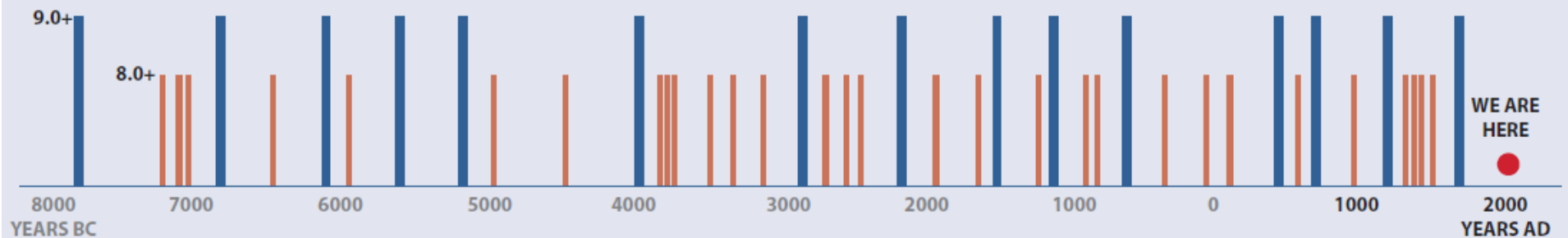
Project Overview



Regional Earthquake Risk

CASCADIA SUBDUCTION ZONE (CSZ) EARTHQUAKE

Last major quake in Oregon occurred 317 years ago, a timespan that exceeds 75% of the intervals between the major quakes to hit Oregon over the last 10,000 years.



Project Overview



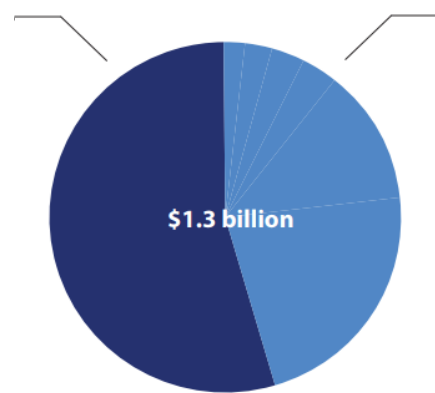
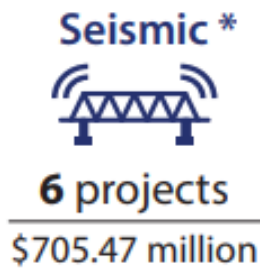
Agencies Taking Action



Project Overview



2015 Willamette River Bridges Capital Improvement Plan

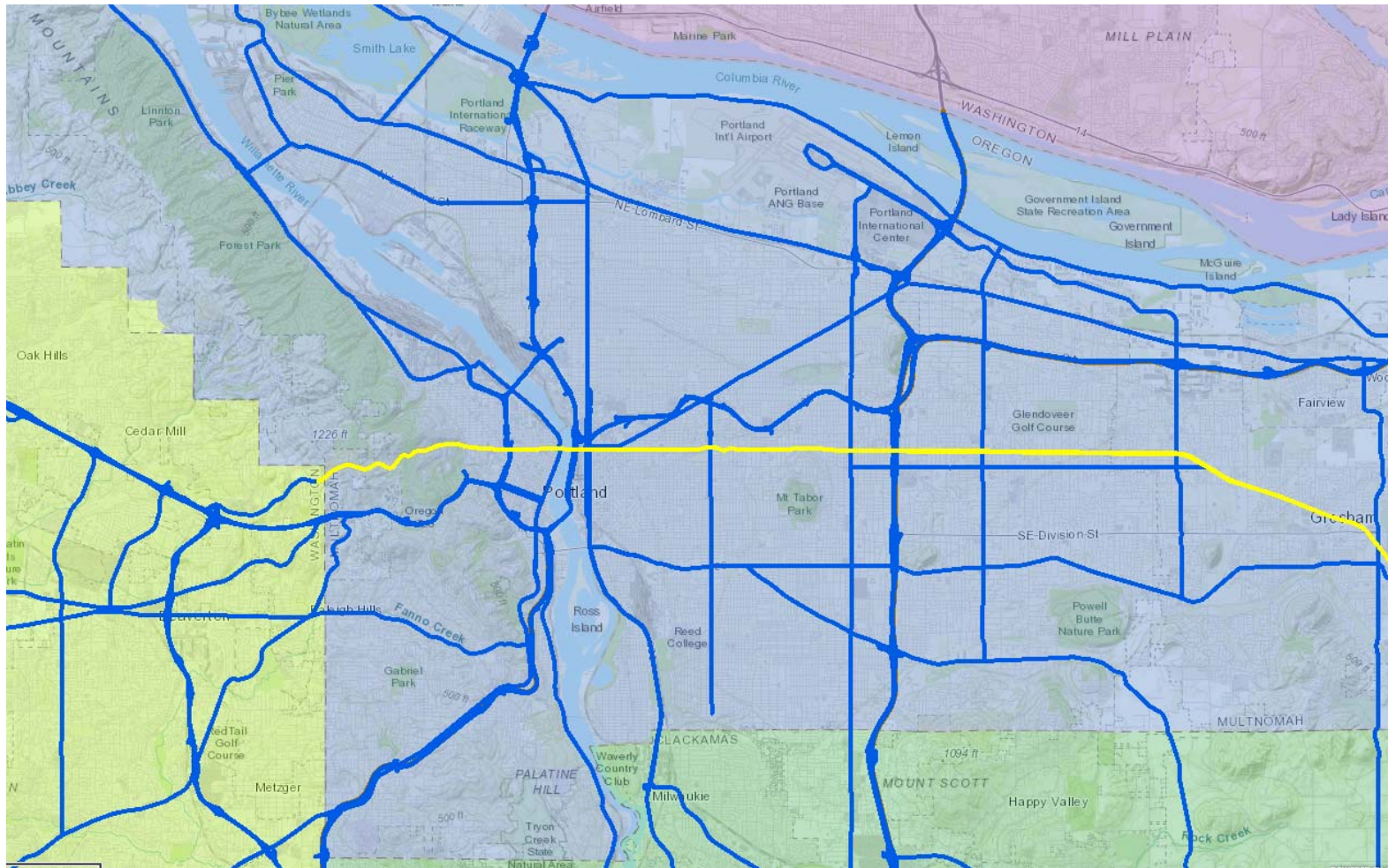


* Including Burnside Bridge retrofit or replacement.



Project Overview

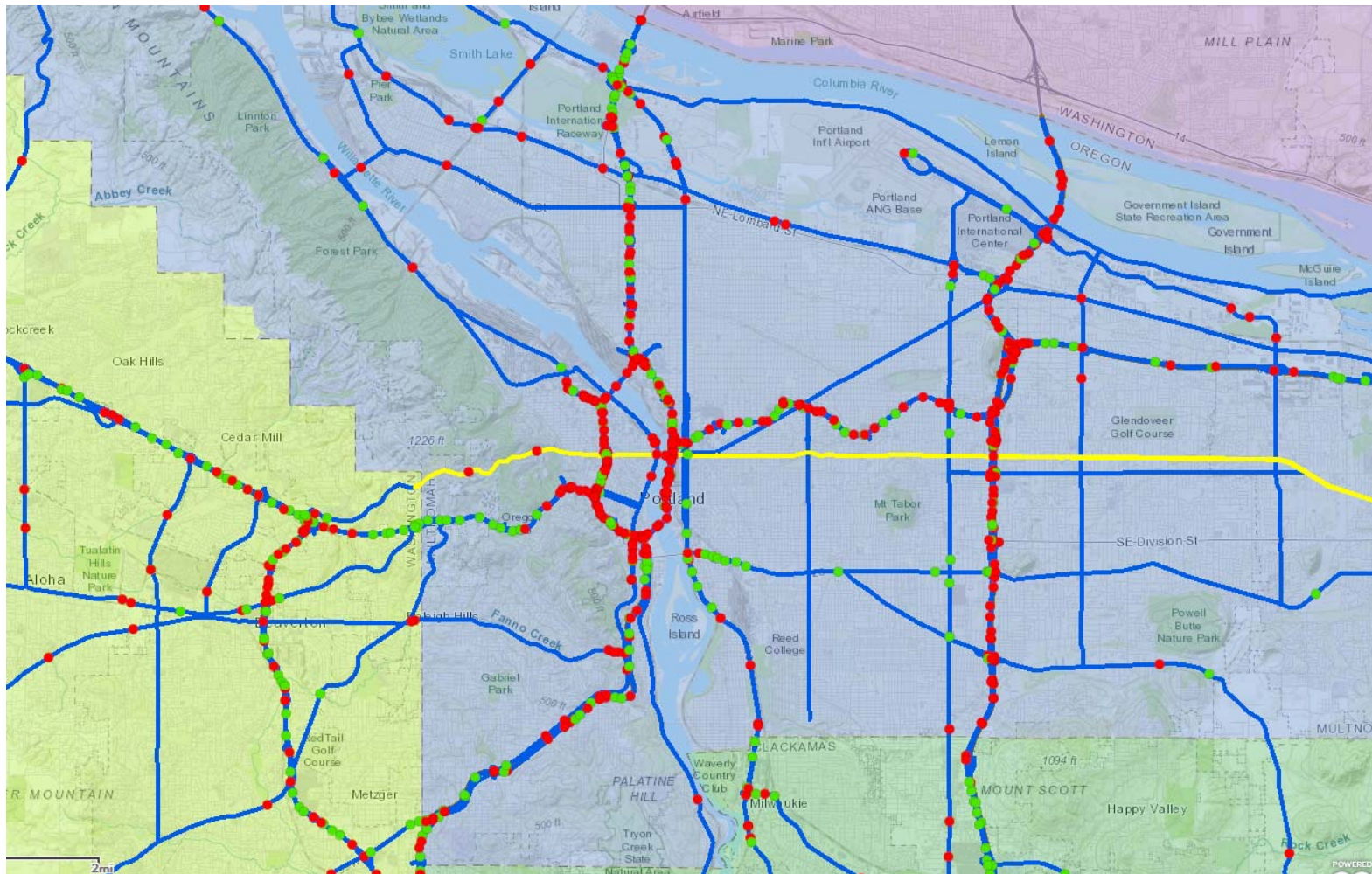
Why Burnside?



Project Overview



Why Burnside?



Project Overview

Purpose



Create a seismically resilient Burnside Street lifeline crossing of the Willamette River that will remain fully operational and accessible for vehicles and other modes of transportation immediately following a major CSZ earthquake.



Support the region's ability to provide rapid and reliable emergency response, rescue and evacuation after a major earthquake, as well as enable post-earthquake economic recovery.



Provide a long-term, low-maintenance and safe crossing for all users.



Project Overview



Feasibility Study Process and Findings

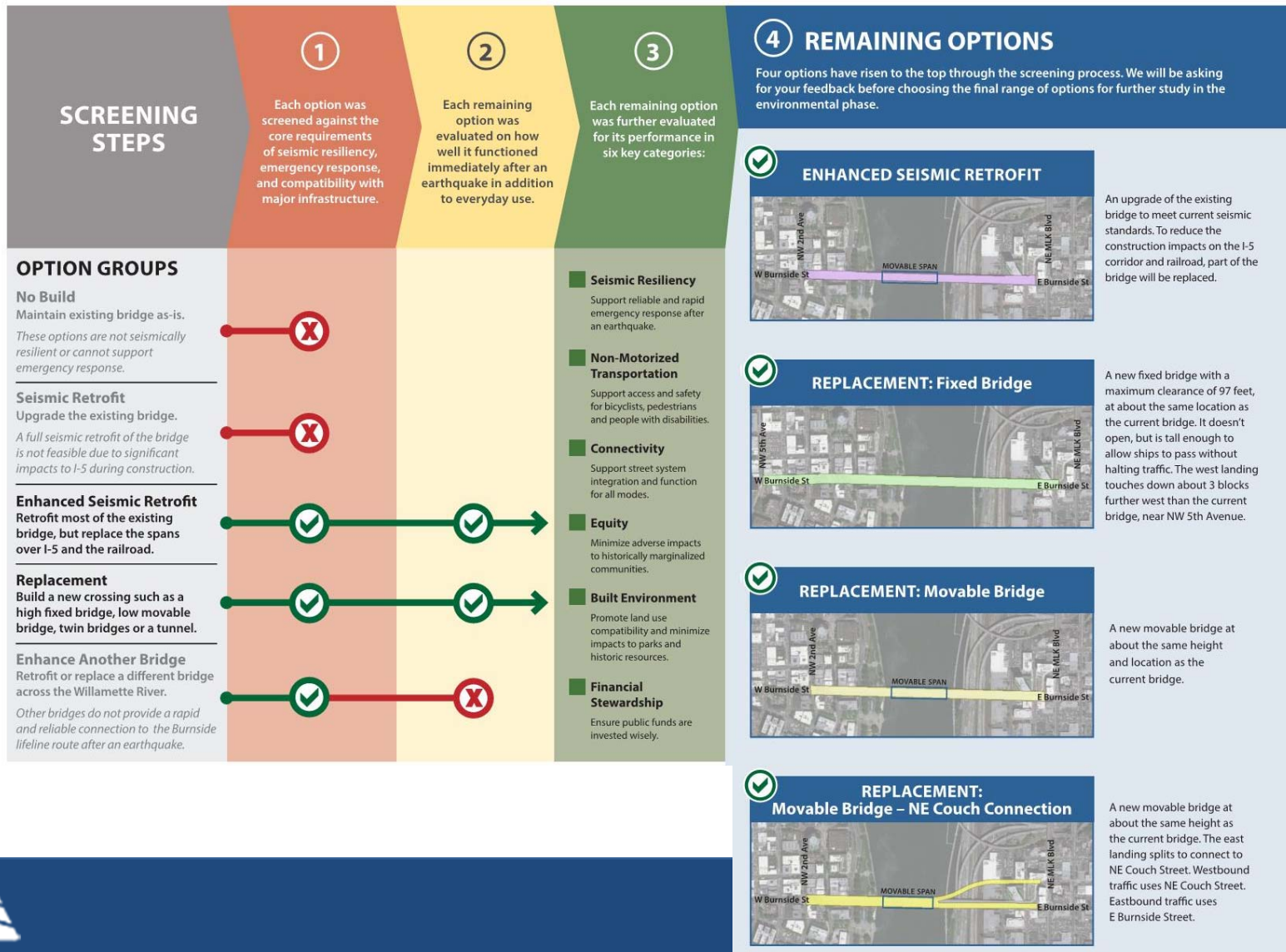


We are here

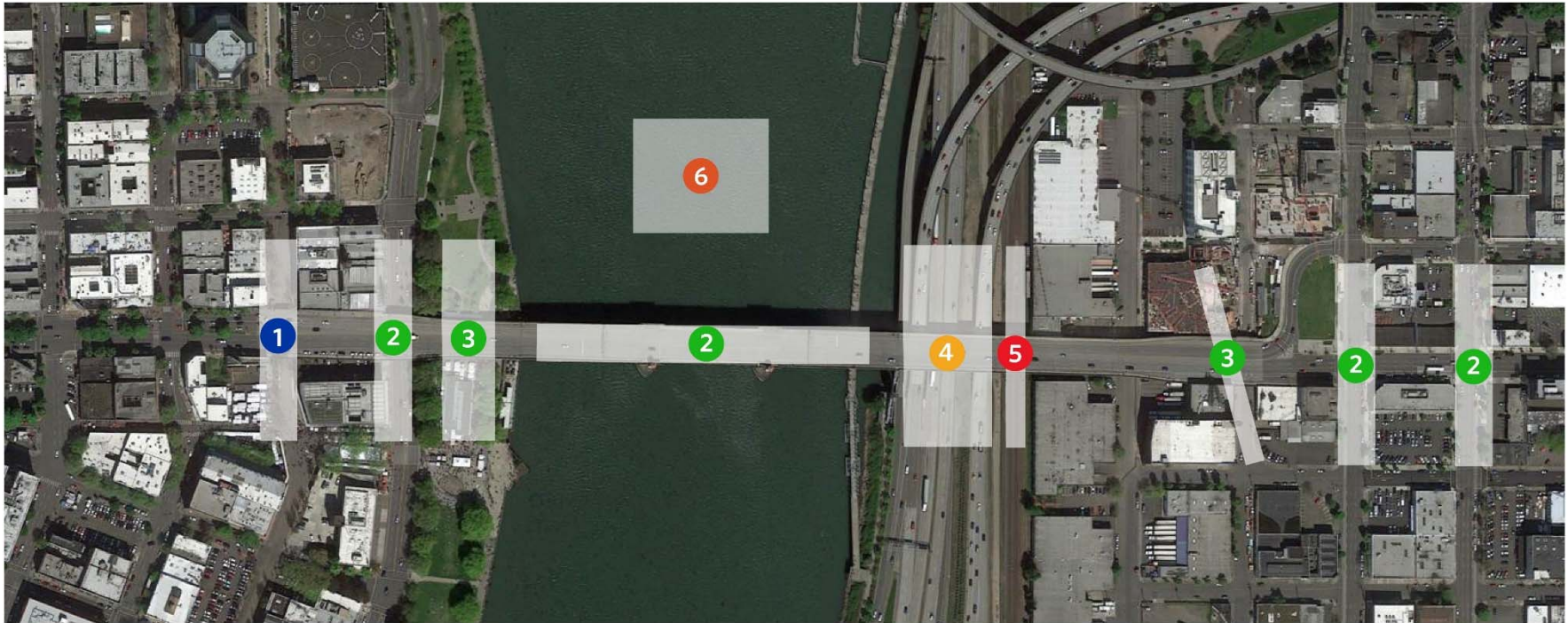


Project Overview

Feasibility Study Process and Findings



Project Overview



TRIMET 1 TriMet Lightrail Service

OREGON DEPARTMENT OF TRANSPORTATION 4 Oregon Department of Transportation Highway Facilities (I-5 and I-84)

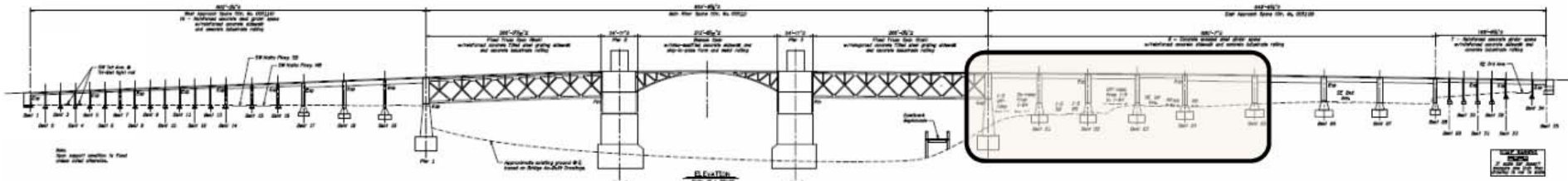
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U.S. Coast Guard / River Navigation

CITY OF PORTLAND, OREGON 1851
2 City of Portland Roadway (Naito Pkwy, NE/SE MLK, NE/SE Grand)
3 City of Portland Combined Sewer Overflow

UNION PACIFIC 5 Union Pacific Railroad Mainline

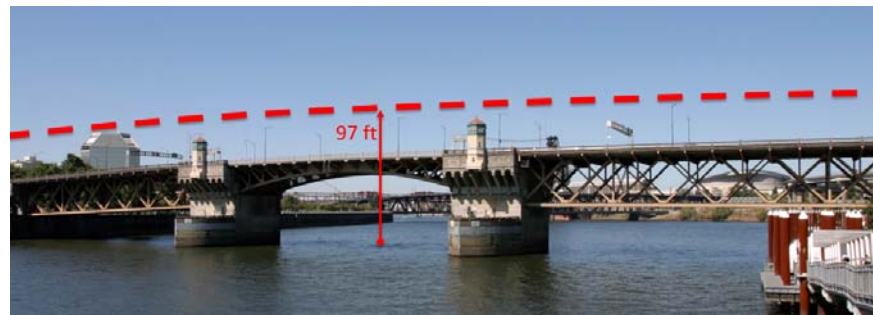
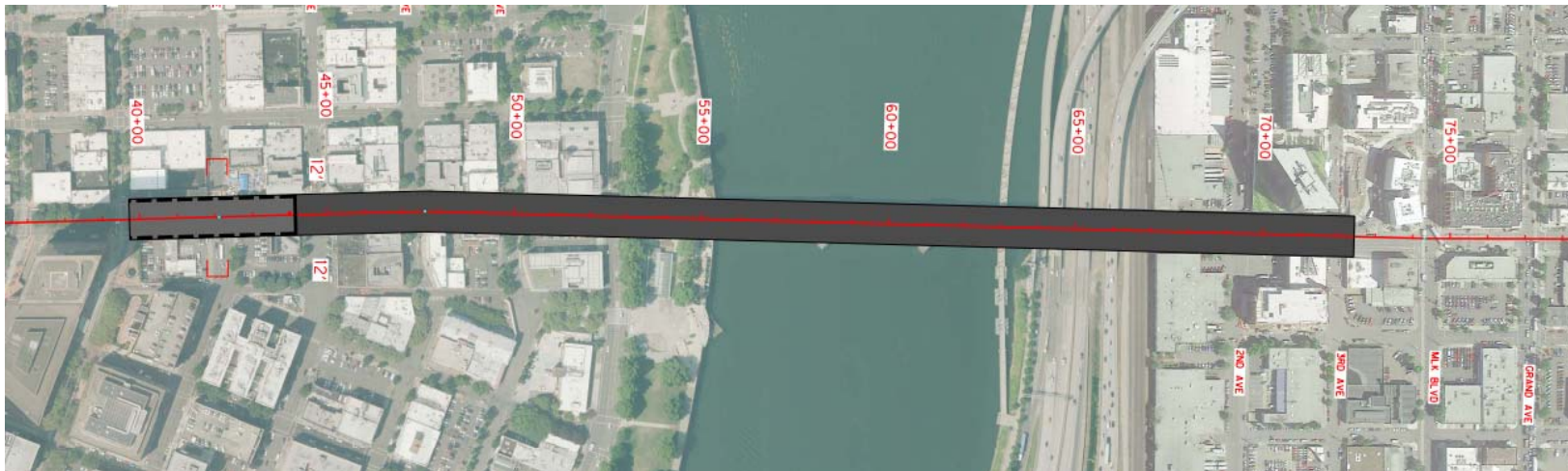
Project Overview

Enhanced Seismic Retrofit



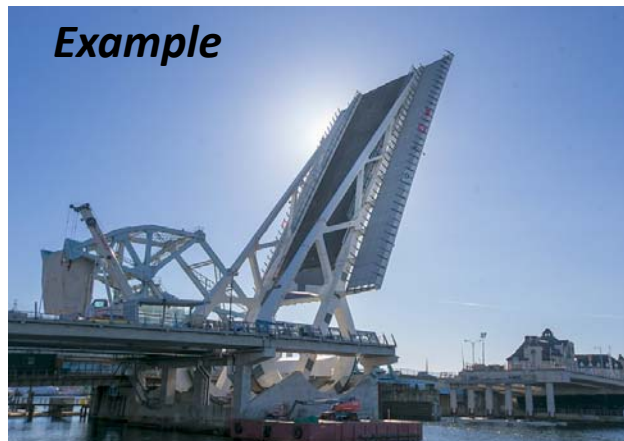
Project Overview

Replacement: Fixed Bridge



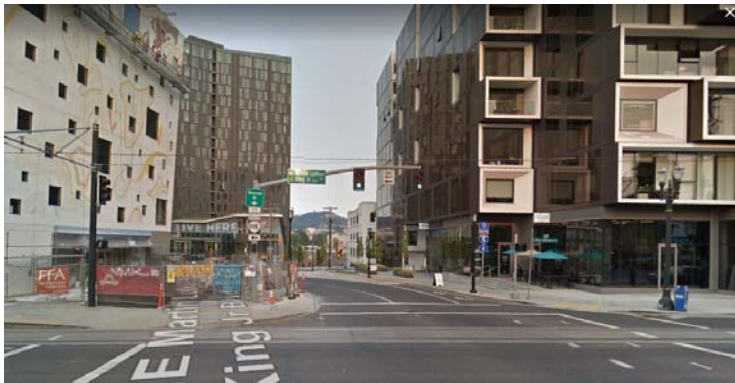
Project Overview

Replacement: Movable Bridge



Project Overview

Replacement: Movable Bridge – NE Couch Connection



Project Overview

Preliminary Project Costs (\$M)

Burnside St is open to traffic during construction

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Burnside St is closed to traffic during construction

\$\$

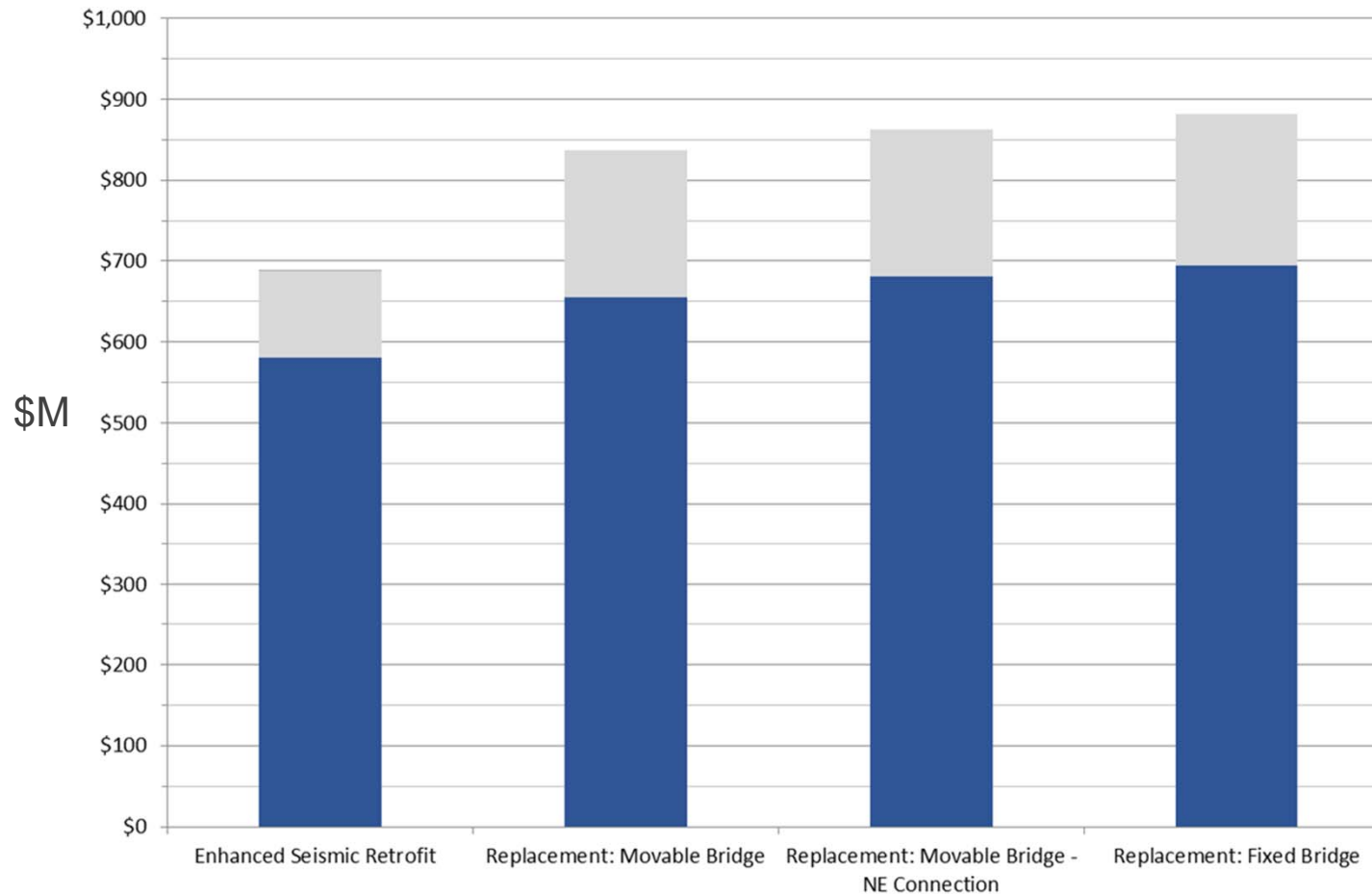
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Project Overview



Total Preliminary Project Costs (\$M)

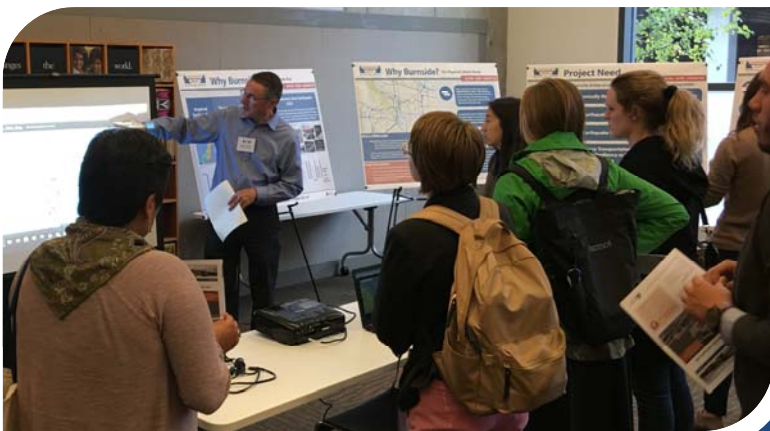


Notes:

1. Project costs include NEPA, Design, ROW Acquisition, and Construction phases
2. Project costs are escalated to the year of construction



Community Engagement



Community Engagement

September Outreach – What We Heard



Urgency to get the project done earlier



Desire for bike paths, pedestrian paths and bus only lanes



Concerns about impacts to nearby buildings and the overall transportation system



Most said they agree or strongly agree with choice of recommended options, remarking that they were reasonable and well thought out



More support for a new bridge than a retrofit, but still some support for retrofit



More support for movable than fixed, but some support for both



Views and aesthetics should still be considered, making the bridge an “iconic” part of Portland



Interest in keeping some historical components/aesthetics of the bridge, concern for demolishing the bridge and its historical importance



Environmental Review Phase



National Environmental Policy Act (NEPA) Process



Assess the Impacts and Benefits

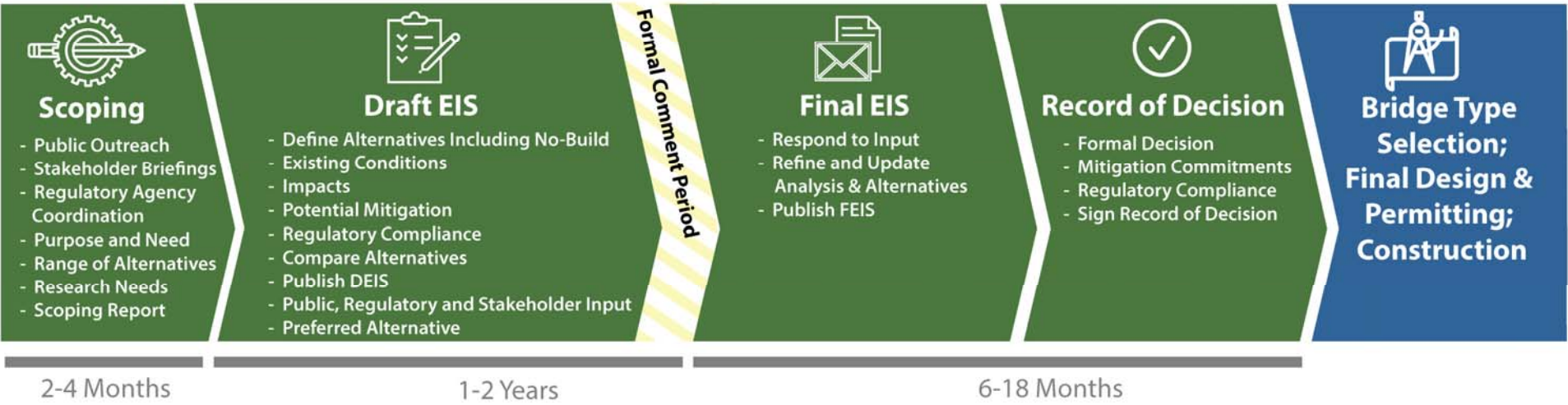


Gather Input



Decide What to Build

Feasibility Study



Environmental Review Phase



Project Overview and Milestones

	2018	2019				2020				2021			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Board Action Points													
Key Milestones	Early Scoping 	 Alternatives Refinement		Notice of Intent 			 Preferred Alternative	 Publish Draft EIS			 Record of Decision		
Technical Analysis				Technical Analysis					Refine Analysis				
Community Engagement								 (Public Hearing)					
Committee Meetings													

- Board Action Points
- Key Milestones
- Key Engagement Events
- Ongoing Engagement Activities
- Senior Agency Staff Group
- Community Task Force
- Policy Group