

Sellwood Bridge Project

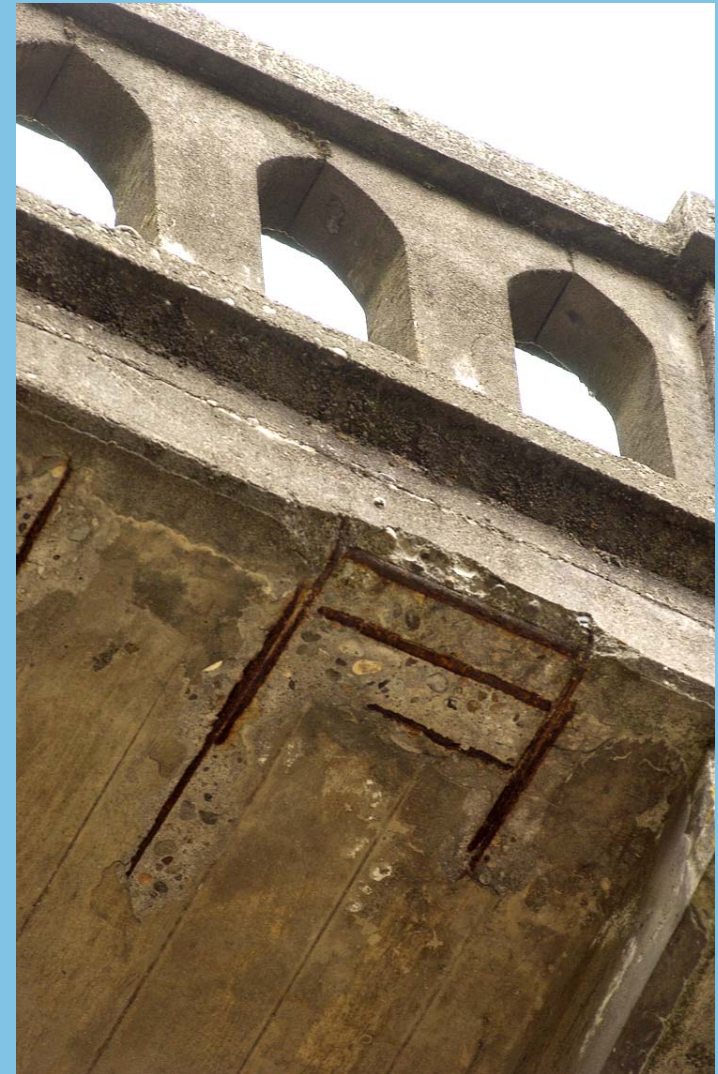
A&E RFP Pre-Proposal Orientation

October 18, 2010



What is the problem?

- The bridge structure is significantly deteriorated and the deck is inadequate for modern traffic
- The bridge has been load limited; transit and emergency vehicles are excluded from use





It is settling, due to a landslide.



**Supporting beams have cracked
(temporary repair shown here)**

North



Landslide



Steep road cuts



Highway 43

Image © 2008 Metro, Portland Oregon
Image State of Oregon
© 2008 Sanborn
Image NASA

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Pointer 45°27'52.62" N 122°40'40.18" W elev 288 ft Streaming 100%

Eye alt 683 ft



CONNECTING COMMERCE AND COMMUNITY

MULTNOMAH COUNTY
BRIDGES

A Partnership of Public Stakeholders is responsible for this project

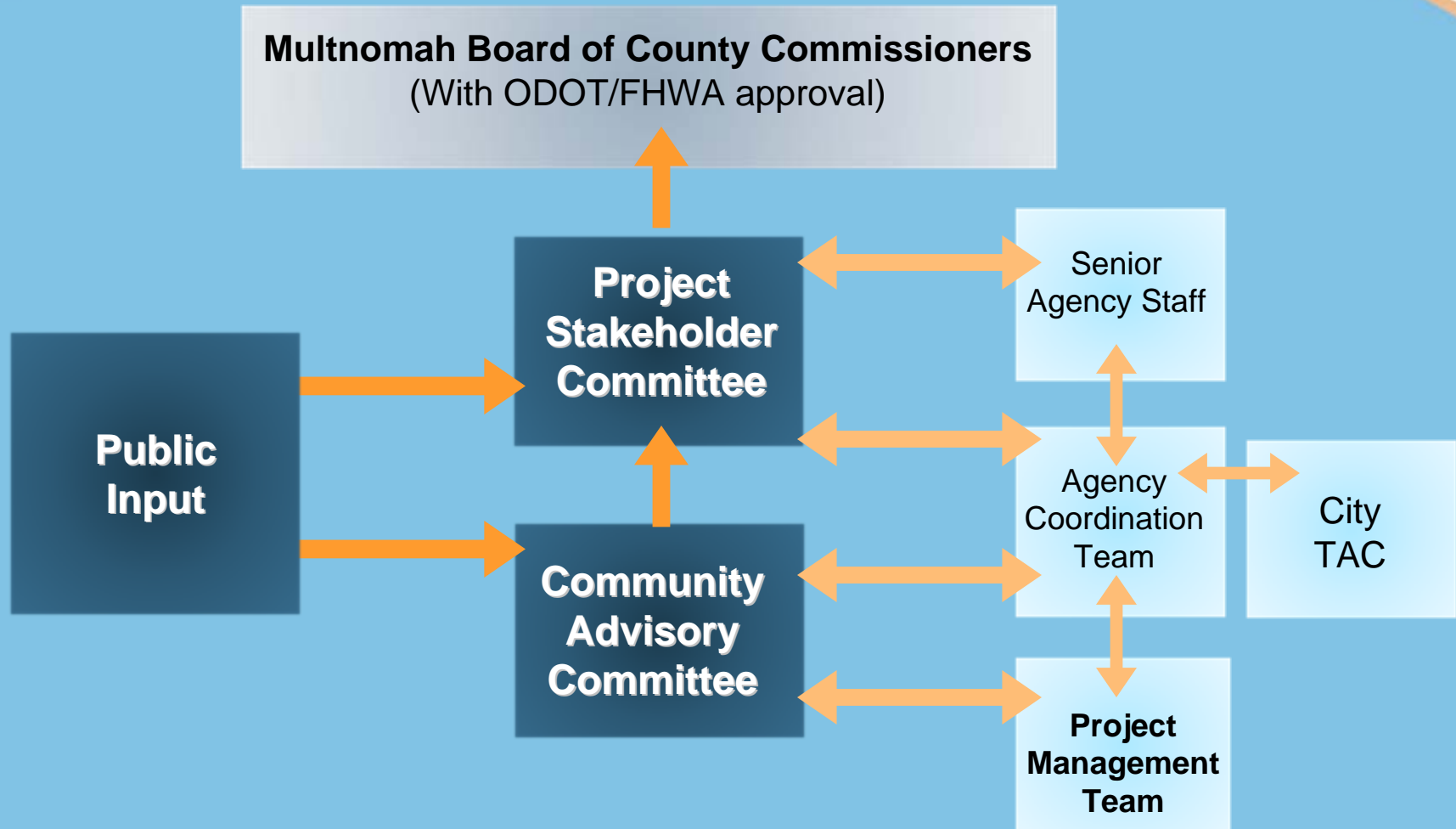
Chair Jeff Cogen
Commissioner Deb Kafoury
Mayor Sam Adams
Councilor Carlotta Colette
Jason Tell
Phillip Ditzler
Commissioner Lynn Peterson
Mayor Jeffery Ferguson
McFarlane
Representative Carolyn Tomei
Senator Diane Rosenbaum
Senators Ron Wyden, Jeff Merkley
Representative Earl Blumenauer

Multnomah County
Multnomah County
City of Portland
Metro
ODOT Region 1
Federal Highway Administration
Clackamas County
City of Milwaukie Neil
TriMet
Oregon State House
Oregon State Senate
US Senate
US House

There is strong Community Representation

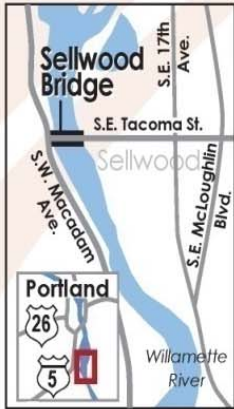
- Neighborhoods
- Businesses
- Commuters
- Bicyclists
- Pedestrians
- Transit Riders
- Environmental
- Natural resources
- Historical

Public Process Org Chart








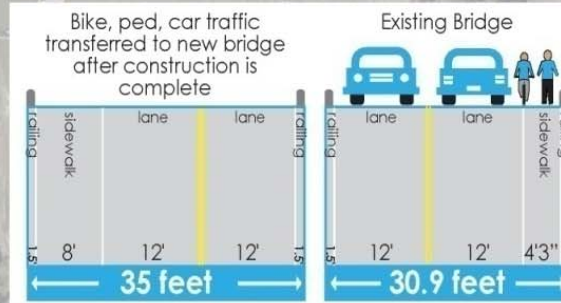
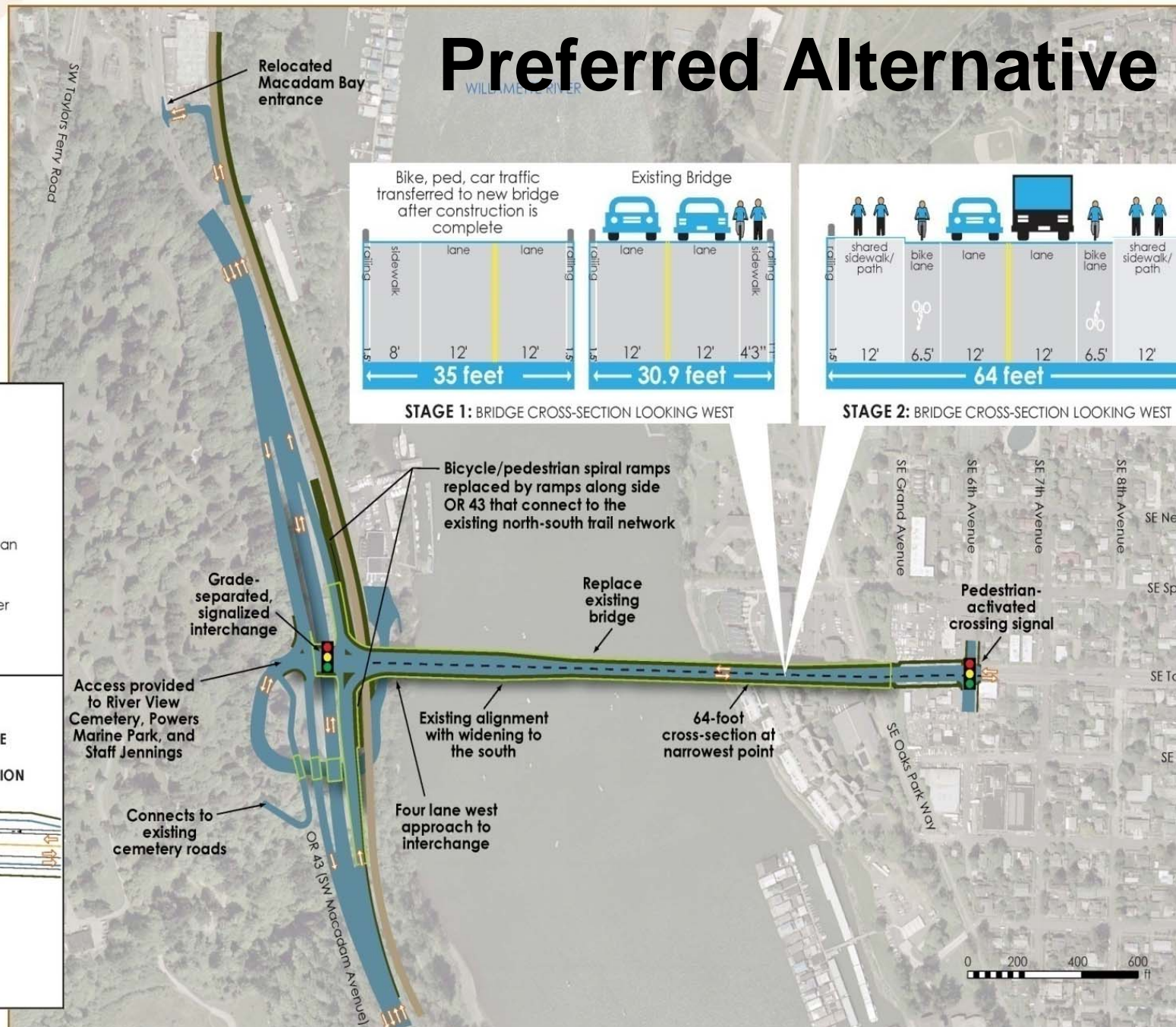
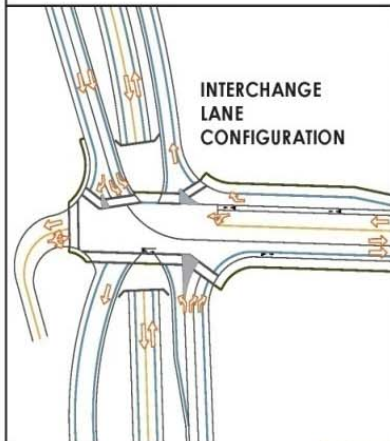
Decision-making has public input at every milestone

Preferred Alternative

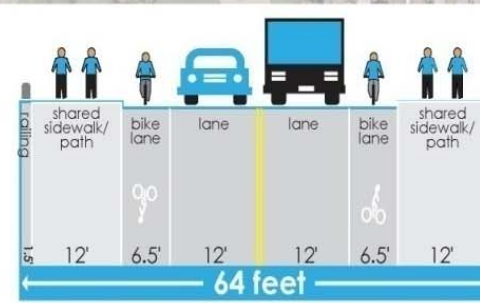


LEGEND

-  Proposed road/streets
-  Proposed streetcar line
-  Proposed bike/pedestrian path
-  Direction of traffic/number of lanes
-  Bridges



STAGE 1: BRIDGE CROSS-SECTION LOOKING WEST



STAGE 2: BRIDGE CROSS-SECTION LOOKING WEST

0 200 400 600 ft

- **Benefits / Goals**

- Open to traffic throughout construction
- Least park, environmental impacts
- Least business impacts
- Signalized interchange > protects all modes
- Good bicycle and pedestrian facilities
- Connections: Bus stops, streetcar station

- **Impacts**

- Residential displacements (5 units)

(CMGC) Construction Management / General Contractor Method

- Fast Track Schedule
 - Overlap Design & Construction
 - Begin: In-Water Window July, 2012
- Adaptability
 - Public Involvement
 - Streetcar Projects
 - Partners
- Value Engineering
- Quality - Plenty of review
- Innovation / Contractor's Expertise

Overall Schedule

- Phase 1: Planning/NEPA 2006 – 2010
 - EIS and Record of Decision Sept 30, 2010
- Phase 2: Design Acceptance (DAP) 2010
 - Bridge TS&L and 30% Overall Jan 31, 2011
- Phase 3: Final Design Feb 2011 – 2013
 - 60%, 90%, GMP, 100%
 - Early Work Packages e.g. in-water piers
 - CMGC self-performed work e.g. bridge
 - DMWESB work e.g. other
- Phase 4: Construction July 2012 – Nov 2016

Phase 3 Milestones

- **July 15, 2011**
 - 60% in-water foundation design
- **Sept 1, 2011**
 - 90% in-water foundation design
 - 60% bridge and approach span design
- **Jan 2, 2012**
 - CM/GC Guaranteed Maximum Price
 - 100% in-water foundation design
 - 90% bridge and approach span design
 - 60% West Interchange and all other design
- **July 1, 2012**
 - Begin Construction: in-Water foundations

Minimum Requirements - Bridge Type

Required Feature	Underlying Reason
36' curb-curb roadway without median	Facilitate efficient maintenance and operation
Cost of bridge	Consistent with funding plan
No long term traffic closures Less than 20 business days	Minimize user and business impacts
Maintain construction footprint shown in EIS, BA	Minimize natural resource & residential/business impacts
Accommodate potential future streetcar operations	Consistency with City's streetcar plan

Deck Arch



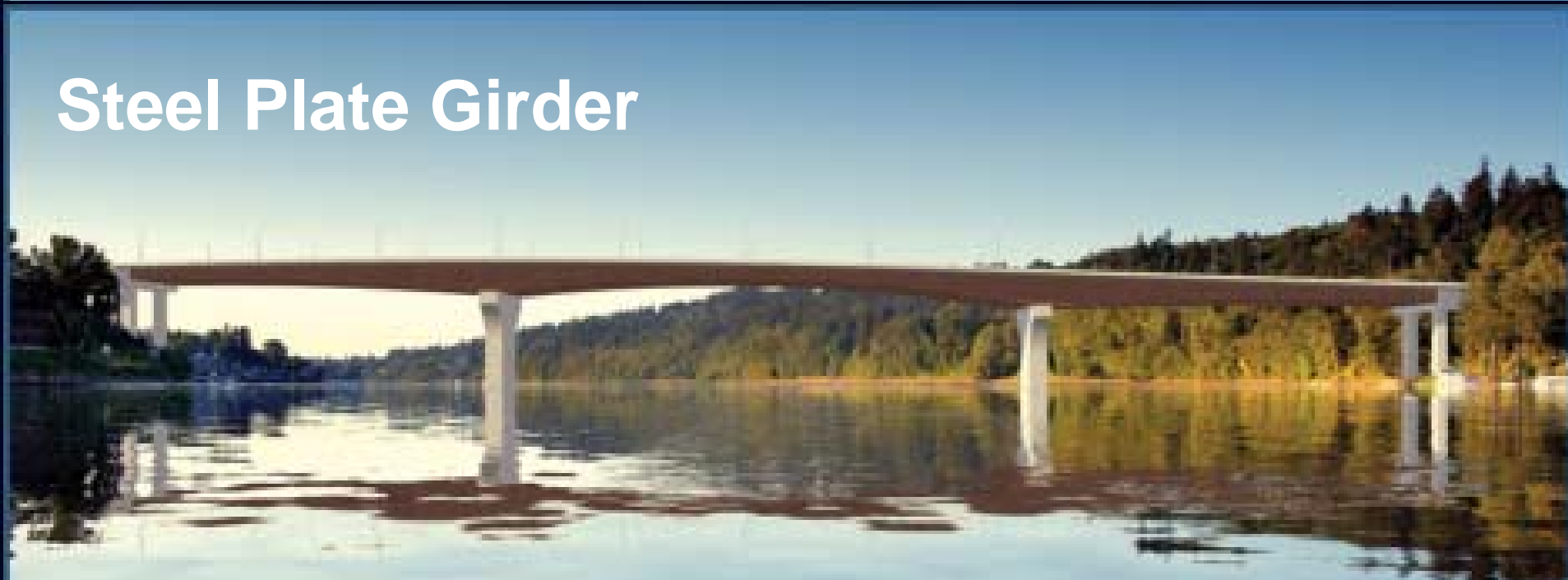
Concrete

Steel



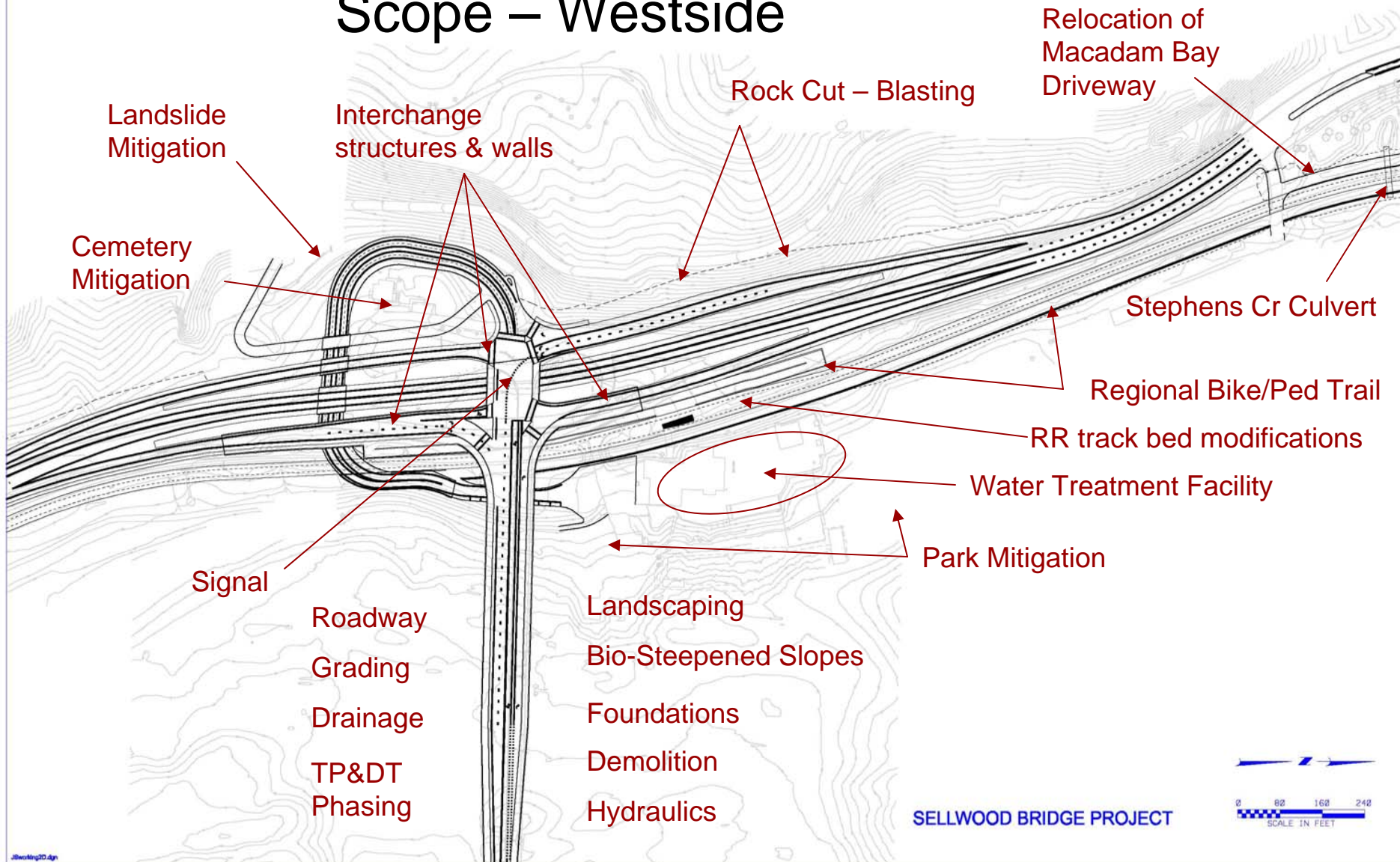


Concrete Box Girder



Steel Plate Girder

Scope – Westside



Other Scope Items

- Public Involvement
- Architectural
- Surveying
- Utilities
- Permitting
- Electrical
- Scheduling
- Estimates

Evaluation Criteria

- Approach & Project Understanding
- Technical Capabilities
- CMGC Experience
- Risk Identification
- Quality Management
- On-Schedule Delivery
- Sustainability
- Diversity Plan
- Interview

Available On-Line

www.multcopurch.org

- Current AutoCAD Design, Terrain Model
- Preliminary Cost Estimates
- Existing Bridge Drawings
- EIS, Technical Memoranda, Record of Decision
- Geotech Draft Reports, rock core photos
- Biological Assessment & Opinion
- Interchange Area Management Plan
- Flyover Survey
- Bridge Types
- Meeting Minutes (CAC and Working Groups)
- This PowerPoint presentation





Questions?

RPF Tips

- All questions, comments >>> Jerry Jelusich
- Proposals due November 8
- 30 sheets max not including:
 - Cover Sheet Form
 - Conflict Of Interest Form
 - Similar Projects Forms
- Insurance \$5M Prof / \$2M aggregate liability
- Schedule Milestones are aggressive
 - Liquidated Damages \$5K/day Contract Para. 24
- Addendum 1 coming soon