



SELLWOOD BRIDGE

Project

MULTNOMAH COUNTY

Project Update

Board of County Commissioners

July 12, 2011

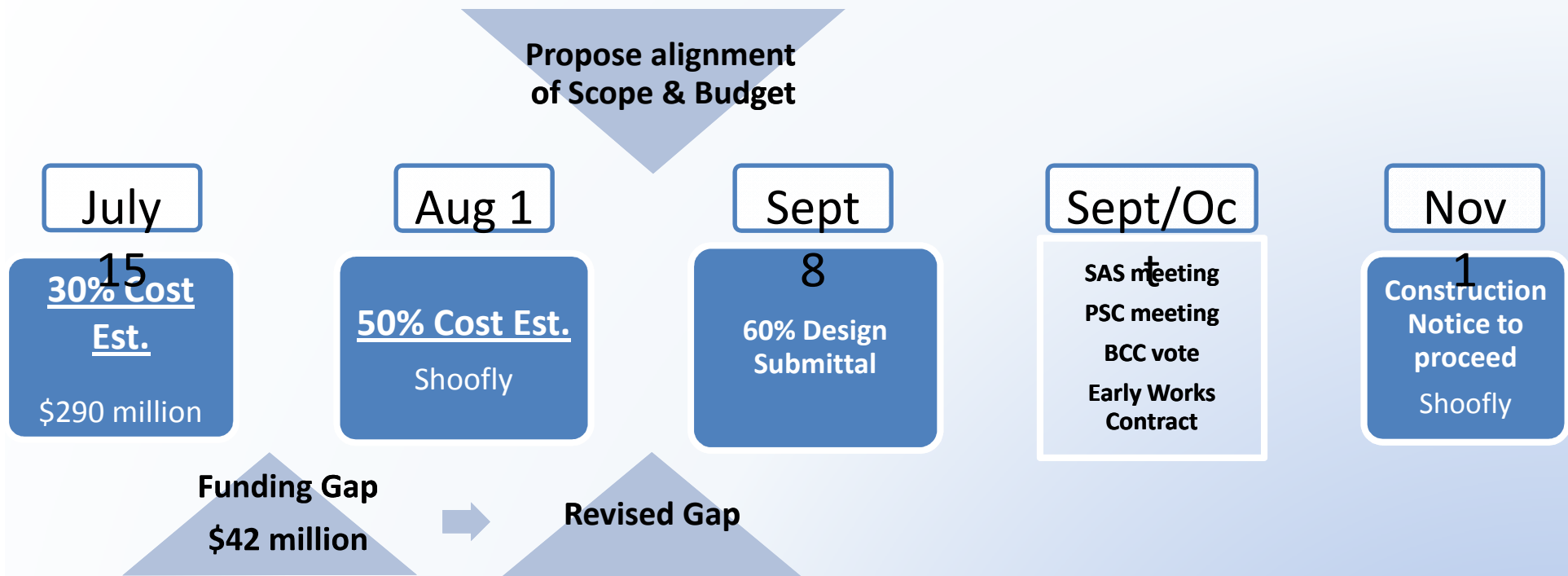
Agenda

- Diversity Activities
- 60% Design Progression Activities
- Right of Way update

Diversity

- DMWESB firm mentoring assessments have been developed for A&E subcontractors
- CM/GC subcontracting plan initiated and expected to be final in October '11
- Project team preparing for DMWESB mentoring workshop in November '11
- Subsequent workshops in February and April '12
- On-going outreach to interested subcontractors through:
 - NAMC (recent meeting on June 14 with CM/GC)
 - OAME (recent meeting on June 10 with A&E and CM/GC)
 - Ethnic chambers in June (Native American, Hispanic, Phillipino)

PATH TO 60% DESIGN- 2011

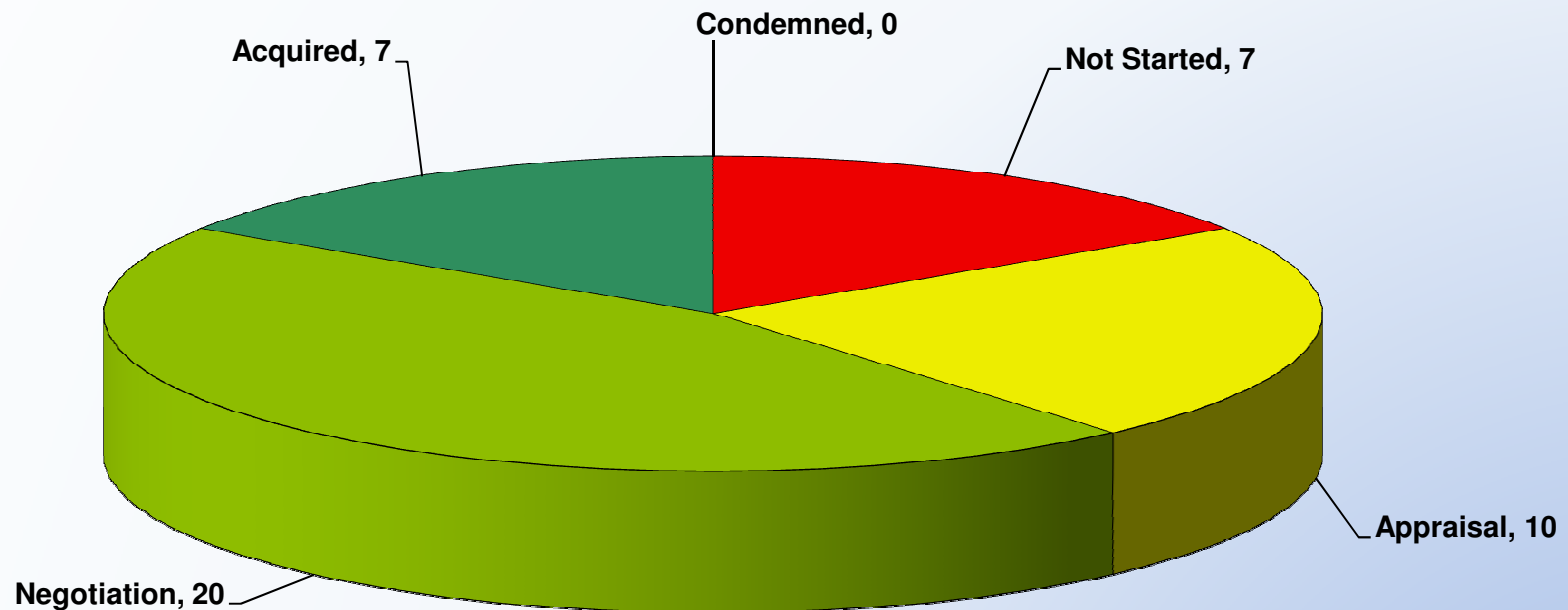


Critical Actions to accomplish shoofly:

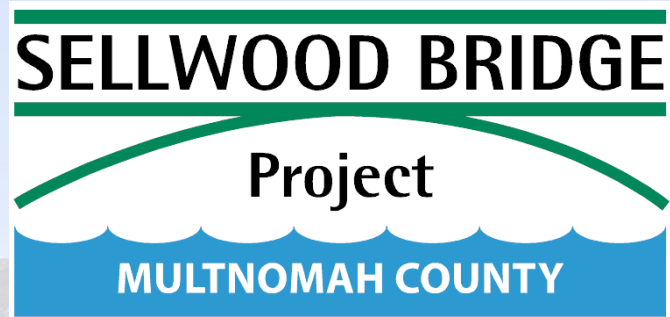
- right-of-way acquisition and certification
- necessary regulatory permits in-hand

RIGHT OF WAY UPDATE

SBP - ROW Actions



ROW actions to be completed = 44
Current as of June 23, 2011



Sellwood Bridge Sustainability Plan

Multnomah County Board of Commissioners

July 12, 2011

Joshua Proudfoot

Good Company

Eugene, OR



Sellwood Bridge Sustainability Plan

Team Members

- Multnomah County – Ian Cannon
- Multnomah County Sustainability – Sarah Brownstein
- DEA Sustainability Lead – Kristine Marshall
- T.Y. Lin International / CH2MHILL– Steve Mader
- Slayden / Sundt – Steve Schmitt
- Good Company – Joshua Proudfoot

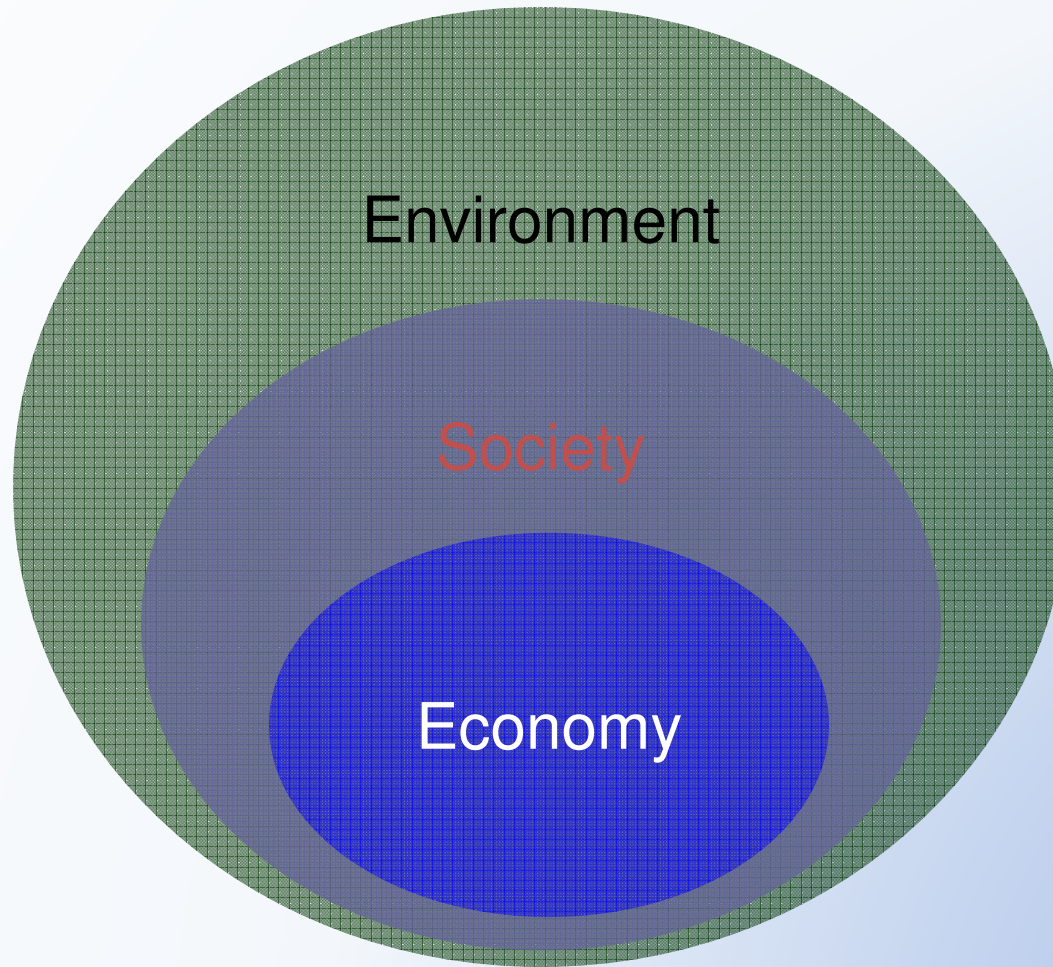
Good Company

- Sustainability research and consulting firm
- Mission-driven, for-profit
- Sustainability lead for over 40 Oregon bridge projects



Sellwood Bridge Sustainability Plan

sustainability = completely linked



Sellwood Bridge Sustainability Plan

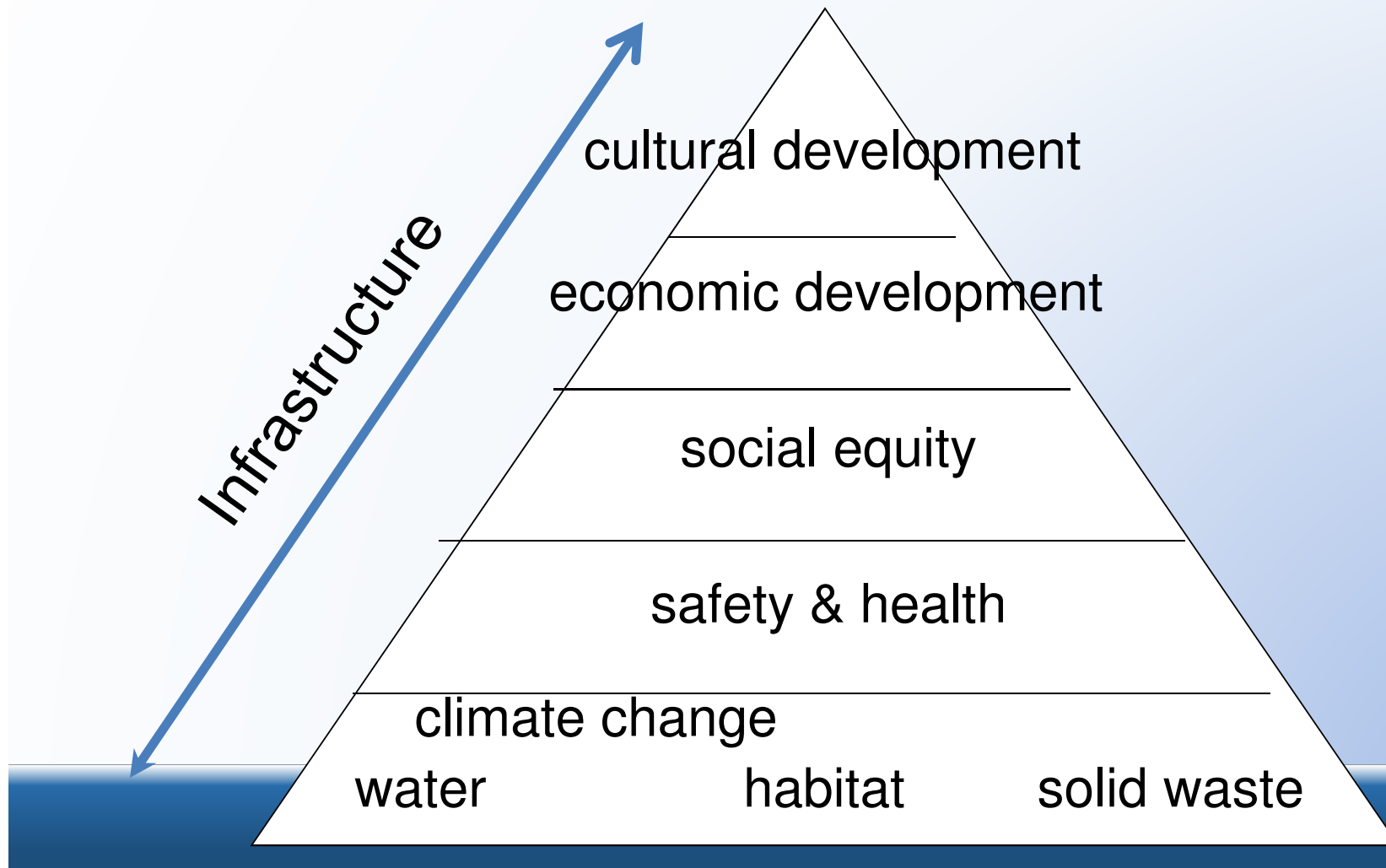
Frameworks Development

- Frameworks reviewed for project:
 - FHWA Sustainable Highways Self-Evaluation Tool
 - GreenRoads - roadway
 - CEEQUAL
 - GreenLITES
 - Institute for Sustainable Infrastructure Rating System
 - ODOT Sustainability Plan
 - STARS – transportation
 - LEED, US Green Building Council



Sellwood Bridge Sustainability Plan

What the frameworks have in common



Sellwood Bridge Sustainability Plan

Project Framework

- Project framework categories:
 1. Community Well-Being
 - a) Human Health and Safety
 - b) Climate Change Adaptation
 - c) Equity & Access
 - d) Culture & Community Development
 2. Environmental Stewardship
 - a) Materials & Resources
 - b) Energy, Fuel & Emissions
 - c) Habitat & Biodiversity
 3. Economic Vitality
 - a) Fiscal Health / Financial
 - b) Local Economic Development

Sellwood Bridge Sustainability Plan

Designed to Reduce Carbon Footprint

- Reduce carbon footprint to support City of Portland and Multnomah County Climate Action Plan goals
 - Objective 5 - Create neighborhoods where residents can easily walk or bicycle to meet all basic non-work needs and have safe access to transit.
 - Objective 6 - Reduce per capita daily vehicle-miles.
 - bridge design greatly expands alternative mode capacity
 - Objective 18 - Reduce carbon emissions from City and County operations 50 percent from 1990 levels.
 - material carbon intensity - steel vs. concrete
 - reduced material consumption through design
 - reuse existing bridge as temporary bridge (shoofly)

Sellwood Bridge Sustainability Plan

Designed to Reduce Carbon Footprint

- Examples to be Studied Further
 - Lighting design – optimize to increase energy efficiency and reduce light pollution
 - Concrete mix – determine the maximum percentage of recycled content
 - Asphalt mix – reduce the mixing temperature to save energy and reduce worker exposure to emissions; evaluate use of recycled asphalt
 - Renewable energy generation – evaluate feasibility and potential capacity
 - Clean diesel
 - Equipment idling practices

Sellwood Bridge Sustainability Plan

Designed for Sustainability Success

- Triple Bottom Line decision making framework and process will be used in project decision making
- Supports community health (and is consistent with Multnomah County Board's mission, vision and values)
 - All active modes of transportation function safely
 - Clean diesel and equipment idling policy (to be developed)

Sellwood Bridge Sustainability Plan

Next Steps

- Draft Sustainability Plan to be completed by end of July 2011
- Contractor Draft Sustainable Practices Plan beginning of August 2011
- 60% Design Discussion with commissioners in September 2011

Sellwood Bridge Sustainability Plan

Thank you!

Feel free to contact me:

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