

Multnomah County Willamette River Bridges CIP

Community Summit Meeting



3/20/14

Meeting Agenda

- **Welcome & Introductions**
- **Project Purpose, Approach, Values, and Schedule**
- **Mapping Activities 1 & 2**
- **Performance Attributes Prioritization Exercise**
- **General Discussion**
- **Future Input**

Project Purpose

This project will update Multnomah County's 20-year Willamette River Bridges Capital Improvement Plan (CIP) to identify and program capital projects and funding needs to maintain the County's six Willamette River crossings.

This will result in updated criteria that reflect County values for prioritizing new and carryover projects and associated programmatic project costs for the period 2014 – 2034.

County Bridges

- Sauvie Island
- Broadway
- Burnside
- Morrison
- Hawthorne
- Sellwood



Downtown Bridges



Existing Bridge CIP



20-YEAR CAPITAL IMPROVEMENT NEEDS FOR THE WILLAMETTE RIVER BRIDGES

Line Item Costs Include Construction Contingencies
Bridge Section Overhead Not Included

Construction and Paint Projects - Summary

Estimates in Thousands of 2009 Dollars

Rank	Bridge Name	MS	Bridge #	Cat	Project Description	Cost	Tot Pts 135	1-5 yrs to FY 14-15	6-10 yrs FY 15-16 FY 19-20	11-15 yrs FY 20-21 FY 24-25	16-20 yrs FY 25-26 FY 29-30
1	Sellwood	MS	6879	S	Replace Structure	\$252,756	120	\$252,756			
2	Morrison	MS	2758	A	Bicycle and Pedestrian Improvements	\$2,403	85	\$2,403			
3	Broadway	MS	6757	EMS	Replace Centerlocks	\$892	100	\$892			
4	Broadway	MS	6757	P	Paint Above Deck Fixed Spans	\$7,087	100	\$7,087			
5	Hawthorne	MS	2757	M	Tower Trunnion Rehabilitation	\$1,529	100	\$1,529			
6	Burnside	MS	0511	P	Paint Steel Deck Truss/Bascule Entire Bridge	\$8,244	95		\$8,244		
7	Broadway Approach Ramp	R	6757A	S	Deck & Joint Rehabilitation	\$1,761	90		\$1,761		
8	Broadway Approach Ramp	R	6757A	P	Paint Steel Framing and Columns	\$6,245	90		\$6,245		
9	Broadway	MS	6757	M	Replace Equalizers	\$1,274	90		\$1,274		
10	Morrison	MS	2758	S	East Side Deck and Lift Span Grating Rehabilitation	\$10,092	85	\$10,092			
11	Morrison	MS	2758	E	Phase II: Replace Centerlocks	\$1,427	85		\$1,427		
12	Hawthorne Br. Hawthorne	R	2757A	RS	Rdwy Approach/Deck Overlay	\$4,549	80		\$4,549		
13	Morrison	MS	2758	M	Gear Reducer Replacement	\$1,848	85		\$1,848		
14	Morrison St. Viaduct (WB)	R	8589	S	Bearing Repair	\$2,293	80			\$2,293	
15	Morrison Transition Structur	R	2758B	P	Paint Steel I-Beams	\$12,773	78			\$12,773	
16	Burnside Bridge West Appr	R	0511A	ES	Rehabilitate/ Replace	\$6,371	75			\$6,371	
17	Morrison	MS	2758	P	Paint Steel Deck Truss/Bascule	\$5,774	74			\$5,774	
18	Burnside	MS	0511	M	Main Trunnion Rehabilitation	\$5,097	70			\$5,097	
19	Broadway	MS	6757	M	Rall Wheel Rehabilitation	\$4,587	65			\$4,587	
20	Hawthorne Br. Hawthorne	R	2757A	P	Paint Steel I-Beams	\$5,466	63				\$5,466
21	Morrison	MS	2758	S	Fender Replacement	\$1,172	55				\$1,172
22	Burnside	MS	0511	EM	Emergency Drive System	\$1,529	65				\$1,529
23	Broadway	MS	6757	EM	Emergency Drive System	\$1,529	60				\$1,529
24	Morrison	MS	2758	EM	Emergency Drive System	\$1,019	55				\$1,019
25	Willamette River Bridges	R	WRB	A	Accessibility Improvements (Bike, Ped, Disabled)	\$1,911		\$478	\$478	\$478	\$478
26	Willamette River Bridges	R	WRB	S	OR-OSHA Facility Compliance	\$2,969		\$742	\$742	\$742	\$742
50	Morrison	MS	2758	S	Seismic Phase 1 Upgrade	\$8,453	5		\$0		\$8,453
51	Hawthorne	MS	2757	S	Seismic Phase 1 Upgrade	\$5,296	10		\$0		\$5,296
52	Broadway	MS	6757	S	Seismic Phase 1 Upgrade	\$4,113	60		\$0		\$4,113
53	Burnside	MS	0511	S	Seismic Phase 2 Upgrade	\$41,928	15		\$0		\$41,928
60	Hawthorne	MS	2757		Electrical Control Upgrades	\$125	10				\$125
61	Burnside	MS	0511		Electrical Control Upgrades	\$230	15				\$230
62	Burnside	MS	0511		Replace Centerlocks	\$330	15				\$330
70	Willamette River Bridges	R	WRB	S	In-Depth and Semi-In-Depth Inspections	\$2,548		\$637	\$637	\$637	\$637

Project Approach

- Comprehensive understanding of the current condition
- Identify needs and deficiencies
- Rational basis for developing projects
- Criteria for prioritizing capital projects
- Stakeholder and public input



Bridge CIP Project Values



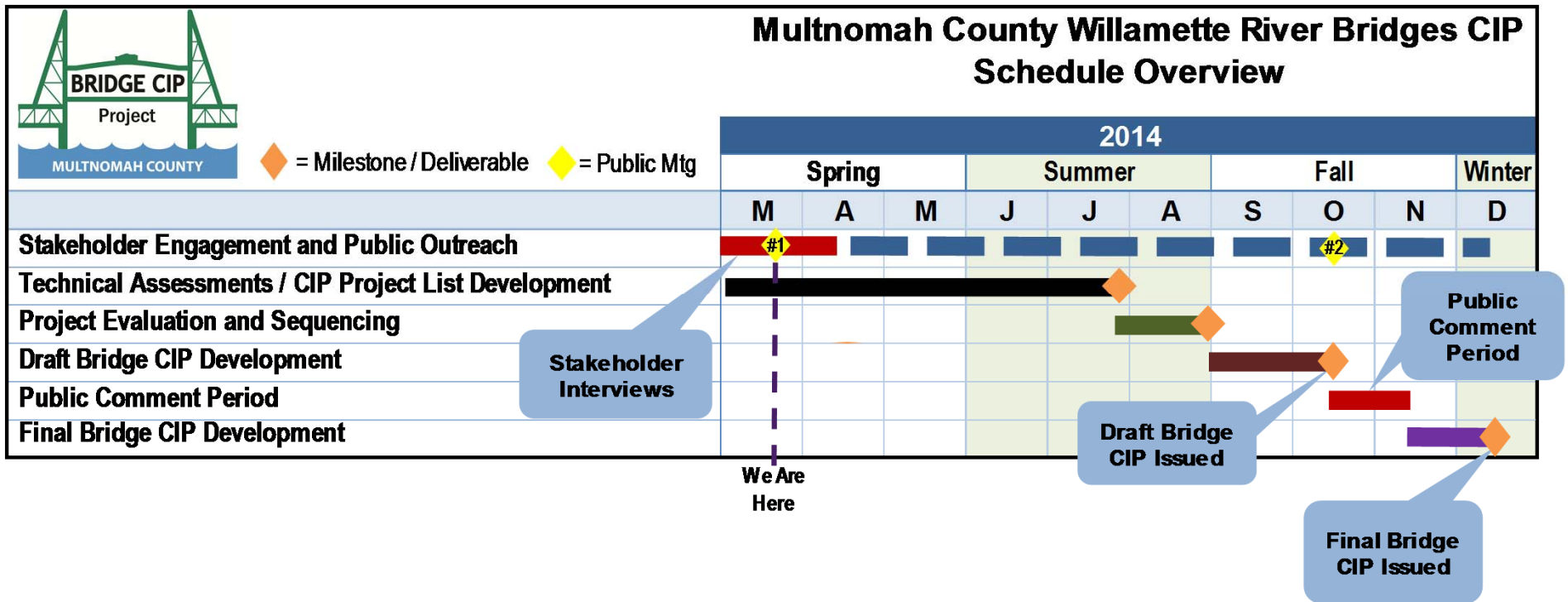
- **Social Justice** – Promote community equity
- **Health** – Support community health
- **Public safety** – Maintain and enhance public safety
- **Stewardship** – Promote responsible, cost effective use of public funds
- **Sustainability** – Focus on the long-term environmental and economic well-being of the community
- **Emergency preparedness** – Be responsive and proactive in addressing the potential for disaster
- **Community identity** – Consider the historic, iconic status of the bridges in shaping community identity

Bridge CIP Process Values

- **Integrity** – Promote open, transparent, and honest decision making
- **Public input** – Consider the opinions of stakeholders and the public in decision making
- **Stewardship** – Ensure that decisions are clear, evidence-based, and fair
- **Creativity and innovation** – Think in new ways, value new opinions, and recognize ingenuity and resourcefulness



Bridge CIP Development Schedule



Mapping Activity

- Take some Post-It Notes and write down any ideas you have for potential improvements for the bridges (one per sticky).
- Place them on the maps in the approximate locations.

Project Performance Attributes

Performance Attribute	Definition
Movable Operations	The drawbridges' ability to maintain movable operations, including river and roadway traffic
Regional Alignment	How well the projects align with adjacent Partner Agency CIP projects and regional plans, including emergency preparedness plans
Structural Integrity	The structural condition of the bridges (using national bridge rating standards), including paint system ability to preserve the structural condition of the bridge
Emergency Preparedness	The bridges' ability to resist seismic, flood and other emergency events
Maintenance	Overall durability, longevity and maintainability of structural and roadway surfaces and ease of maintenance; accessibility and safety considerations for maintenance personnel
User Safety	Multi-modal (including river traffic) safety on the facilities and approaches
Livable Community	How the improvement promotes a multi-modal community including the use of bicycles, transit, pedestrians (ADA compatibility) to encourage a more livable and healthy community
Social Justice	How the projects serve traditionally underserved (minority, low income, limited English proficiency, youth, elderly, disabled) communities
Sustainability	Long-term economic and environmental well-being of the community including preservation of the historic and iconic nature of the bridges
Traffic Operations	Safe, efficient operations of motor vehicles , freight mobility, and congestion reductions

Performance Attributes Priority Exercise

There are 10 Performance Attributes that have been identified for the CIP process.

Step 1: Review the Performance Attributes score sheet provided.

Step 2: Add a score for each in priority order from 1 – 10 (with 1 being highest and 10 being lowest).

Discussion Questions

- What would you like a new 20-year Willamette River Bridge CIP to accomplish?
- Are there other bridge projects you are most interested in or concerned about?
- Which of your priority projects (CIP or desired improvements) are you most interested in the County knowing about?
- How can we best coordinate with you moving forward?

How to keep in touch

For more information:

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Project Website

www.multco.us/bridgeplan

Multnomah County Willamette River Bridges CIP



Thank you.