EARTHQUAKE READY BURNSIDE BRIDGE

Multnomah County

Consulting Parties Advisory Group

Meeting #4 – September 13, 2024

Review from Last Time (Meeting #3)

- Reviewed Work Plan and Schedule
- Presented and discussed themes for the Interpretive Displays
- Presented and discussed feasibility for Salvage
- Provided update for 3-D Scanning
- Provided update on public outreach for eastside bridge type

Action Item Updates

- ❑ Survey of Interpretive Displays
- ❑ Coordination with Specialty Salvage Company

Action Items Updates: Survey of Interpretive Displays

Eastbank Esplanade Topics

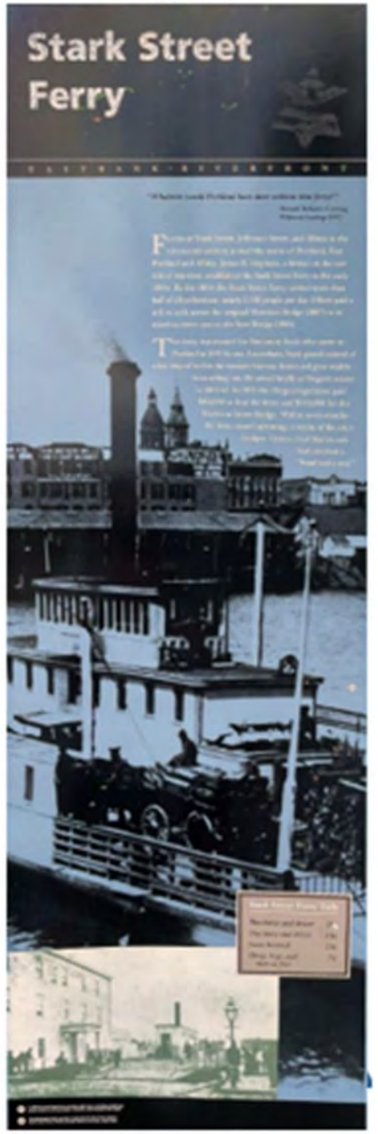
- Waterfront Places
- Willamette River Floods
- Hawthorne Bridge
- Portland Harbor Wall
- Morrison Bridge
- Portland: A Port City
- Westside Story
- Municipal Terminal No.2
- Burnside Bridge
- Railroads and the River
- Scow Villages
- Steel Bridge
- Lewis & Clark Expedition
- Eastside Neighborhoods
- Salmon and the Willamette River
- Willamette River Traffic
- Stark Street Ferry

Action Items Updates: Survey of Interpretive Displays

Washington Street

Front

Back

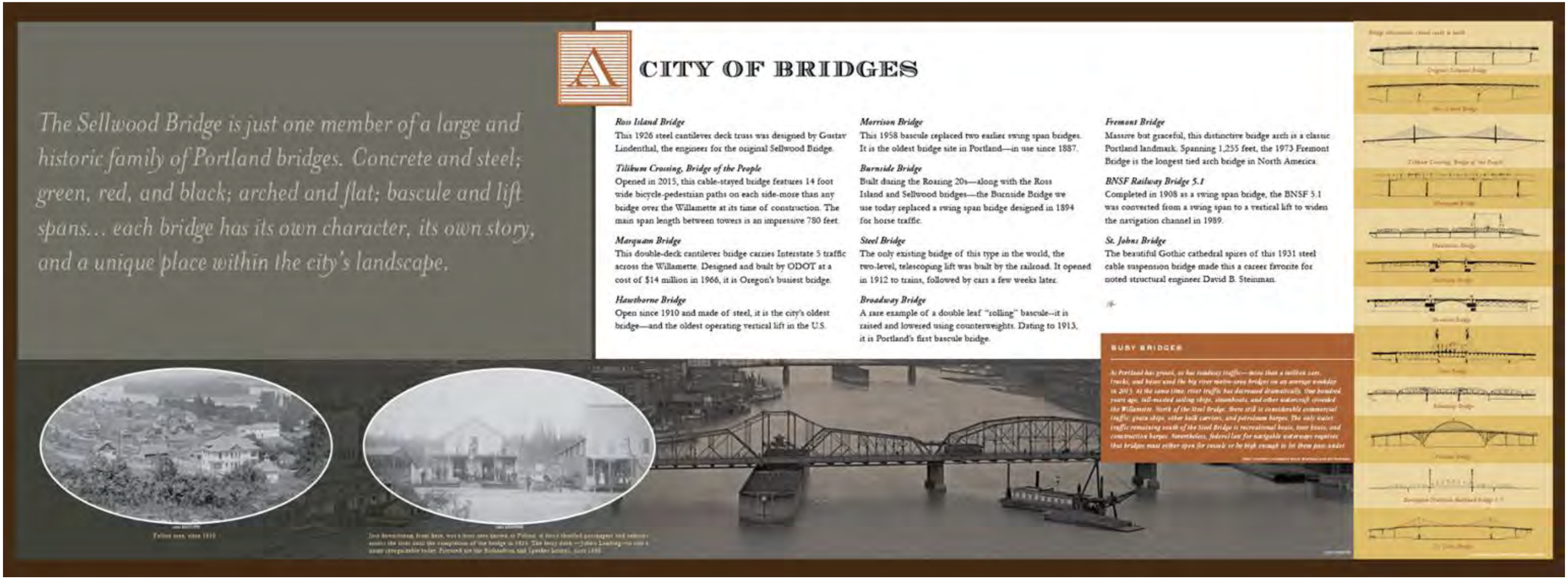


Action Items Updates: Survey of Interpretive Displays

Sellwood Bridge Topics

- The Timber Industry
- A River of Opportunity
- Architecture for a Solemn Setting (River View Cemetery)
- River View Cemetery
- Spanning the Decades
- A Grand View North
- A Grand View South
- A Living River (Local natural history)
- A Slippery Slope Threatens the Bridge (Westside landslide)
- Building a Community (History of Sellwood/Moreland)

Action Items Updates: Survey of Interpretive Displays



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Action Items Updates: Survey of Interpretive Displays

Results Summary

- Small amount of theme overlap with some Eastbank Esplanade panel topics.
- Sellwood panels are focused on Sellwood context of the topics.
- Collected information will be provided to panel designers for context.
- Aim to avoid direct duplication and keep focus on Burnside Bridge context.

Action Items Updates: Specialty Salvage

- We met with an architect and contractor from the Architectural Resources Group (ARG).
- ARG has pioneered many innovative conservation techniques through research, development, and implementation.
- They toured the towers and will provide a brief analysis of the feasibility of saving the tower/s.
- They mentioned that a heavy moving company such as Emmert International might be able to move the tower/s.

General Updates

- Schedule
- Eastside Bridge Type
- Design Advice Request Meeting with City of Portland Historic Landmarks Commission

General Updates: Schedule

	2024				2025				2026				2027				2028				2029				2030				2031			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Salvage and Reuse																																
New Bridge Components in NHL																																
Interpretive Displays																																
3D Scan																																
Video Documentation																																
Documentation																																
Archival Records																																
Publication																																
3D Model																																
Public Event																																
Wikipedia Entry																																
OR Encyclopedia Entry																																
Book Update																																

Planning

Procurement

Implementation

Cable-Stayed Goal Post Tower

Cable-Stayed V Tower

Cable-Stayed Inverted Y

Tied-Arch Vertical Unbraced

Tied-Arch Braced Basket Handle

Tied-Arch Vertical Braced

CDAG Recommendation: Inverted Y

General Updates: Design Advice Request Meeting

- Background
- Purpose
- Feedback
- Next Steps

Historic Landmarks Commission

Name	Membership Category	Term Expires
Andrew Smith, Chair	Architect	11/27/26 [2nd full term]
Kimberly Moreland, Vice Chair	Heritage Planning Consultant	03/24/25 [1st full term]
Hannah Bronfman	Public-At-Large	01/04/28 [1st full term]
Cleo Davis	Public-at-Large	04/04/27 [1st full term]
Maya Foty	Preservation Architect	06/21/25 [2nd full term]
Christopher Jose "Hugo" Hamblin-Agosto	Urban Planner	12/08/27 [1st full term]
Peggy Moretti	Nonprofit Management	08/02/26 [1st full term]

Discussion - Questions

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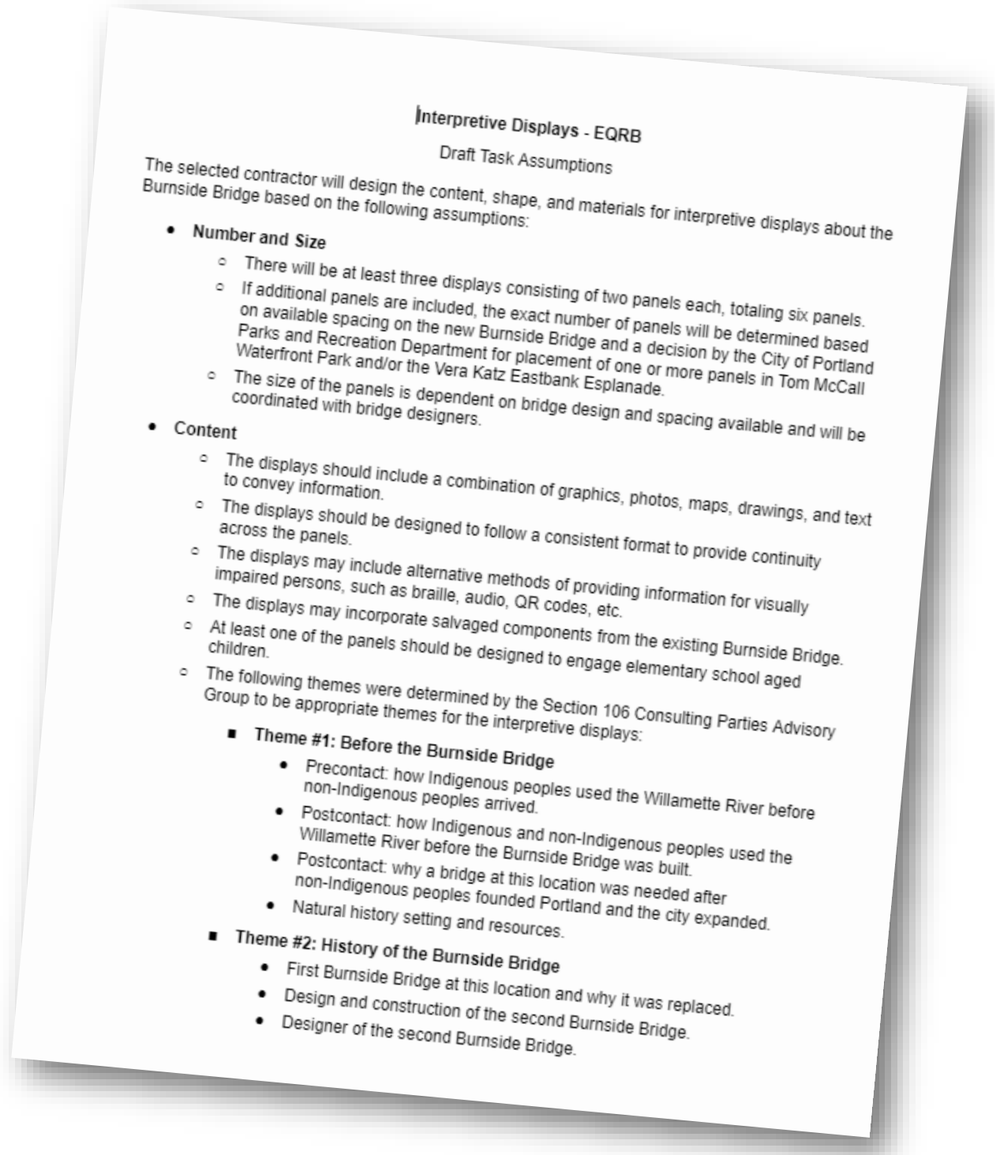
Focus for Current Meeting #4

- Draft Task Assumptions for Review:
  - Interpretive Displays
  - Salvage

- Draft Task Assumptions in Progress:
  - 3-D Scan



Interpretive Displays - EQRB

Draft Task Assumptions

The selected contractor will design the content, shape, and materials for interpretive displays about the Burnside Bridge based on the following assumptions:

- **Number and Size**
  - There will be at least three displays consisting of two panels each, totaling six panels.
  - If additional panels are included, the exact number of panels will be determined based on available spacing on the new Burnside Bridge and a decision by the City of Portland Parks and Recreation Department for placement of one or more panels in Tom McCall Waterfront Park and/or the Vera Katz Eastbank Esplanade.
  - The size of the panels is dependent on bridge design and spacing available and will be coordinated with bridge designers.
- **Content**
  - The displays should include a combination of graphics, photos, maps, drawings, and text to convey information.
  - The displays should be designed to follow a consistent format to provide continuity across the panels.
  - The displays may include alternative methods of providing information for visually impaired persons, such as braille, audio, QR codes, etc.
  - The displays may incorporate salvaged components from the existing Burnside Bridge.
  - At least one of the panels should be designed to engage elementary school aged children.
  - The following themes were determined by the Section 106 Consulting Parties Advisory Group to be appropriate themes for the interpretive displays:
    - **Theme #1: Before the Burnside Bridge**
      - Precontact: how Indigenous peoples used the Willamette River before non-Indigenous peoples arrived.
      - Postcontact: how Indigenous and non-Indigenous peoples used the Willamette River before the Burnside Bridge was built.
      - Postcontact: why a bridge at this location was needed after non-Indigenous peoples founded Portland and the city expanded.
      - Natural history setting and resources.
    - **Theme #2: History of the Burnside Bridge**
      - First Burnside Bridge at this location and why it was replaced.
      - Design and construction of the second Burnside Bridge.
      - Designer of the second Burnside Bridge.

Draft Task Assumptions

- Purpose:
  - Utilize as we go out to find vendors
  - Support development of scopes of work
  - Captures input from this group

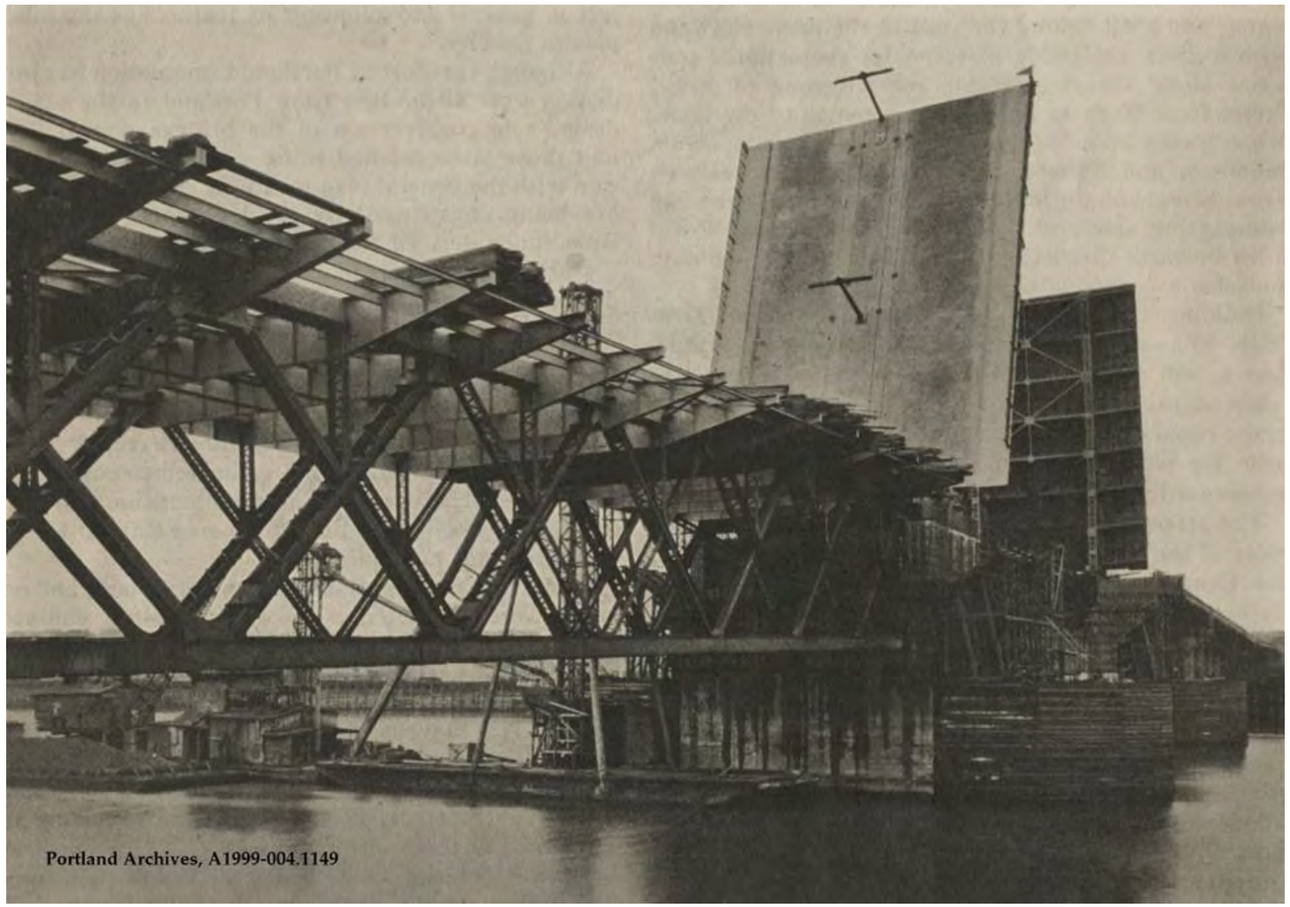
- Feedback Request:
  - Request email feedback by 9/27
  - Looking for overall intent feedback

Email to EQRB-Consulting-Parties@multco.us

Draft Task Assumptions

Interpretive Displays

- Identifies tasks a contractor will be responsible for including:
  - Number and size
  - Content
  - Location
  - Durability



Discussion - Questions

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Draft Task Assumptions

Salvage and Reuse

- Identifies working assumptions for what items will be salvaged including:
  - General removal and handling assumptions
  - Item and number of each to be salvaged

Potential Salvage Components	Level of Effort	Risk of Damage	Proposed
Very Low | Low | Moderate | High | Very High | Infeasible			
1 - Operator Tower			
Entire Operator Tower (as a whole)			Not Likely
Red Terracotta Roof (Terracotta Tile Shingles over Steel Frame with Concrete Slab)			Yes
Green Architectural Operators Quarters (Glass Windows and Terra Cotta Tiling)			Yes
Beige Architectural Tower (Cement Stucco over Terra Cotta Walls)			Yes
Walking balcony			No
2 - Metal Bridge Railing			
**Post to post railing panels			Yes (4)
3 - Concrete Bridge Railing			
Individual balusters			Yes (32)
Balustrade panel			No
Transition units			No
4 - Steel Structural Components			
Individual rivets / bolts			Yes (50)
Truss portions (at joints)			No
5 - Historic Name Plate			
			Yes
6 - Mechanical Components			
Motors and gears (i.e., machinery housed in mechanical room) **All gear assemblages and pinion gears			Yes
Interior trunnion tower			No
Pinion rack			No
7 - Douglas Fir Piling			
Piling from starling			No
Piling from below foundations			No

Discussion - Questions

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Task Assumptions Progress

3-D Scanning

- A specialty 3-D scanning firm visited Portland in July and toured the bridge.
- They said the bridge can be scanned, inside and out.
- They can also create animations showing the bridge opening and closing.
- We received a written summary outlining their approach and we will use that to create draft working assumptions.

Presentation on Kiosks

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Discussion - Questions

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Next Steps

October 11th Meeting:

- Review comments on draft task assumptions
- Provide status update on West Approach Design Development
- Progress updates if available

Spring 2025 Workplan:

- Video documentation
- 3-D model
- Documentation (HAER) and Archival Records
- Publication

Reminder for Input:

- Email to EQRB-Consulting-Parties@multco.us

Materials Website:

- https://www.multco.us/earthquake-ready-burnside-bridge/consulting-parties-advisory-group-meeting-materials

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