



Senior Agency Staff Group Meeting

Department of Community Services
Transportation Division

June 11, 2019

Agenda

1. Welcome, Introductions and Opening Remarks
2. Draft Evaluation Criteria Topics Review
3. Construction Approach: Temporary Diversion Bridge
4. Fixed Bridge Alternative Update
5. Cross Sections
6. Policy Group Meeting Preparation
7. Recent Activities and Next Steps



2. Draft Evaluation Criteria Topics

Criteria Topics	
1. Seismic Resiliency	8. Natural Resources and Sustainability
2. Community Quality of Life	9. Pedestrians, Bicyclists and ADA
3. Equity	10. Motor Vehicles, Freight and Emergency Vehicles
4. Crime Reduction and Personal Safety	11. River Navigation
5. Business and Economics	12. Transit
6. Park and Historic Resources	13. Utilities
7. Visual and Aesthetics	14. Fiscal Responsibility



3. Temporary Diversion Bridge

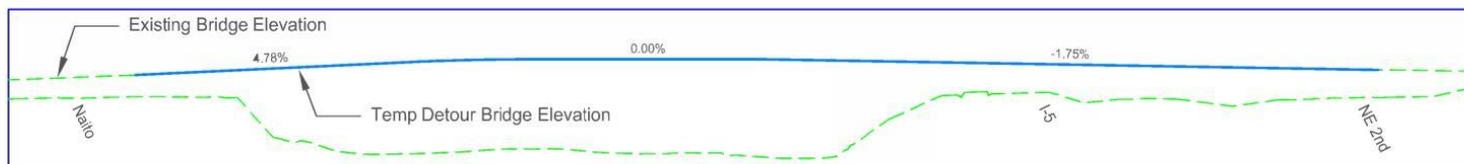
Diversion Bridge Comparison

Legend

	Temporary Work Bridge
	Temporary Bridge - 1 Bridge Option
	Temporary Bridge - 2 Bridge Option

Temporary Bridge - 1 Bridge Option

Temporary Bridge - 2 Bridge Option



3. Temporary Diversion Bridge



Fore Rvr Bridge Data:

- Main spans = 210 feet
- 215 ft clearance from water
- Lift duration = 5 minutes
- Design life = 15 years

3. Temporary Diversion Bridge



Bridge Use Data:

- 42 feet inside width
- 5' cantilever sidewalks (optional)

3. Temporary Diversion Bridge

Diversion Bridge Comparison (Note: **Red** = Less desirable)

Topic	Single Bridge	Twin Bridges
On-bridge Traffic	42' clear width 2 lanes + 1 multi-modal path + 2 sidewalks	60' clear width 4 lanes + 2 multi-modal path + 2 sidewalks
Construction Cost	Baseline	Additional \$40-60M
Construction Time	Baseline	Additional 6 - 9 months
Alignment Safety	Baseline	More curvature = Less safe
Detour Need	No	Yes, Approx. 1 year
Ship Impacts	Baseline	Additional tug assists
Waterfront Park Impacts	Baseline	Additional 40' width overhead
In-water Resources Impacts	Baseline	Additional 40+ piles for the movable span piers
Freeway Impacts	Baseline	1-2 additional weekend closures

3. Temporary Diversion Bridge

CTF Recommendation:

Single Temporary Diversion Bridge



4. High Fixed Bridge Update

Navigational Clearance Requirements and Impacts

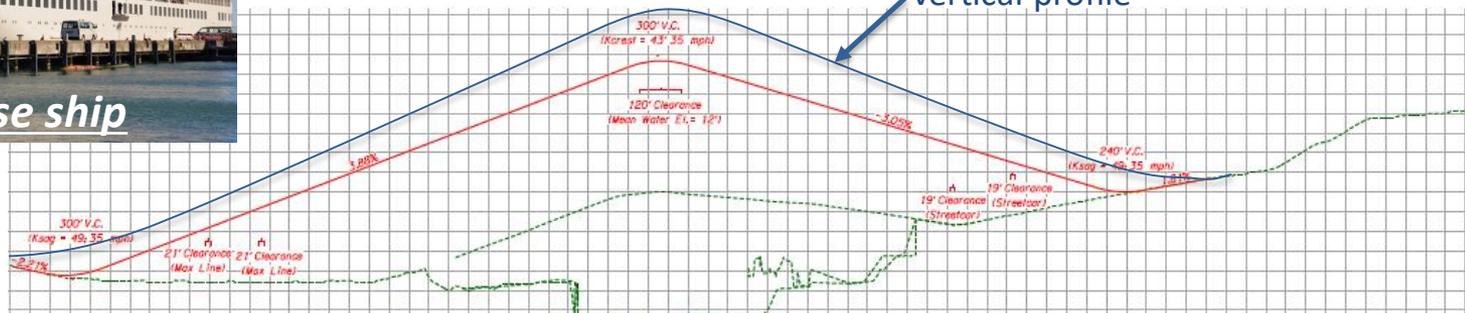
500'+/- Additional Bridge Length

500'+/- Additional Bridge Length



'The World' cruise ship

147' navigational clearance vertical profile



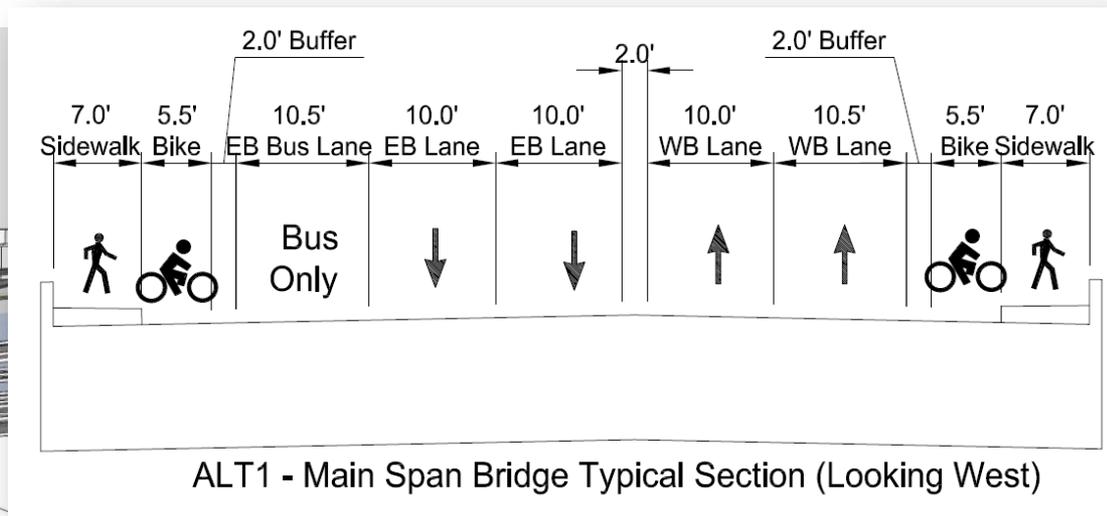
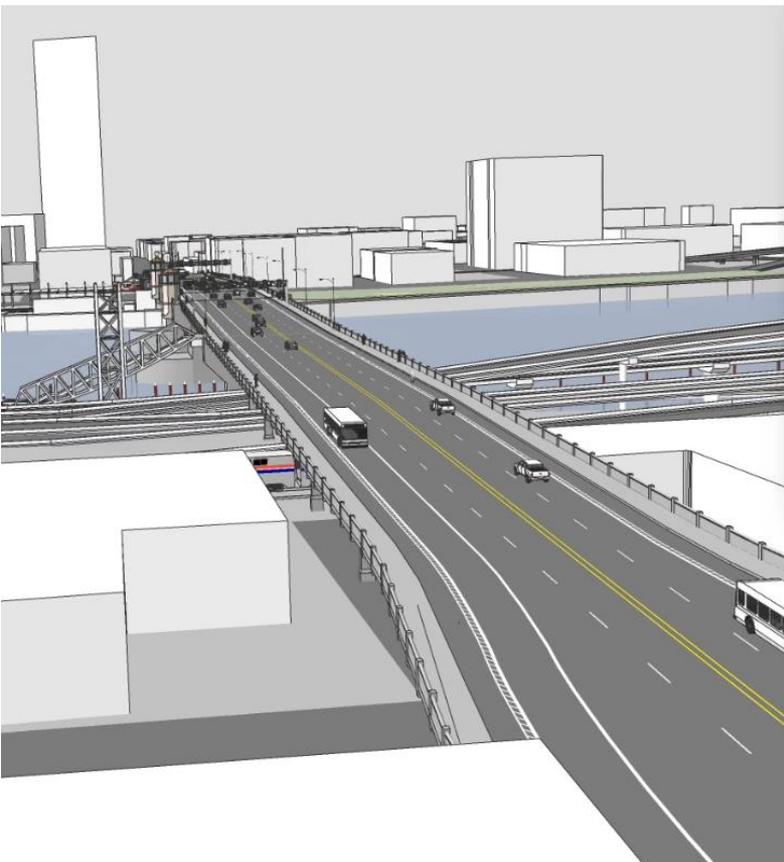
147' River Clearance
Approx. 6,300' long bridge



5. Cross Sections

Baseline Cross Section

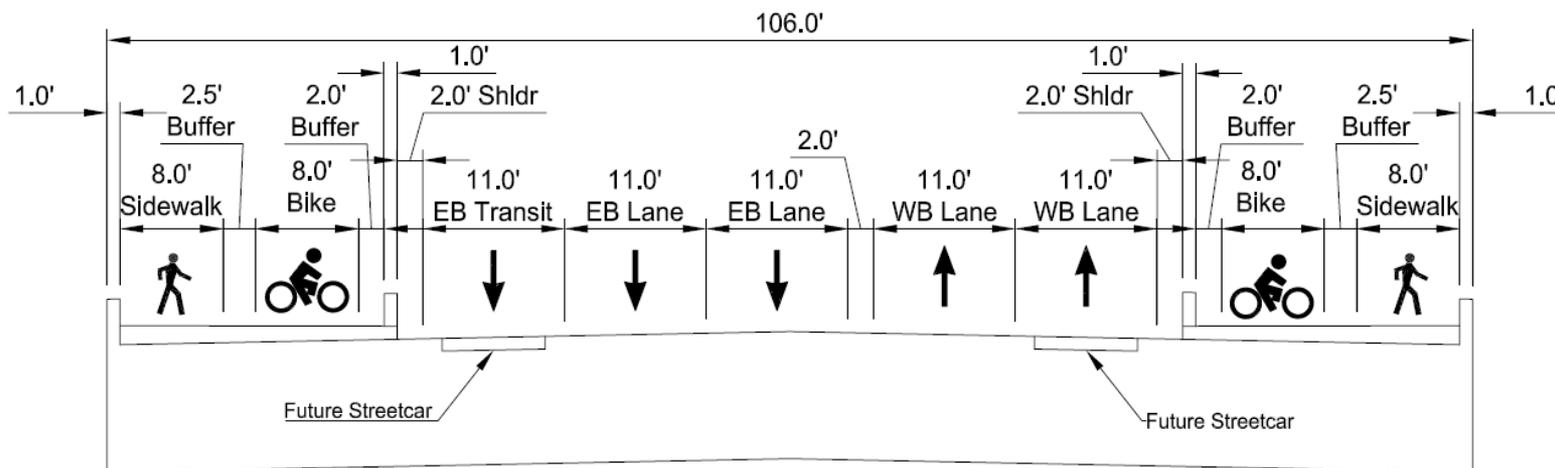
- Cross section after Burnside Bridge Maintenance Project
- Enhanced Seismic Retrofit Alternative



5. Cross Sections

Potential Future Cross Section

- Future assumption (2045) for Replacement Alternatives
- Multimodal Working Group progress to date



ALT3 - Main Span Bridge Typical Section (Looking West)

Early Draft Concept



6. Policy Group Meeting Prep

Agenda Review



What questions will they have?

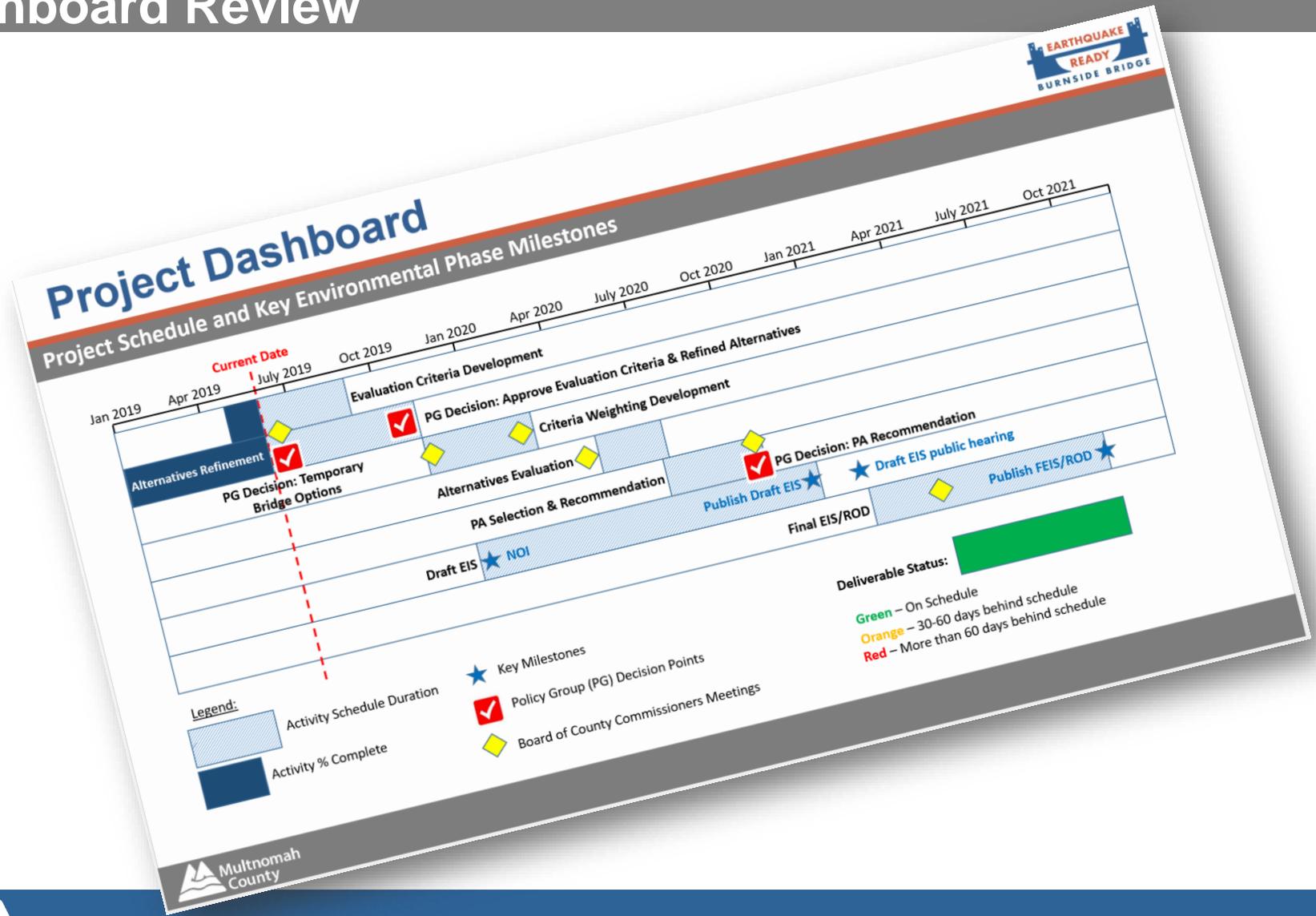
Is this the right information and topics?

How should information be presented?



6. Policy Group Meeting Prep

Dashboard Review



7. Recent Activities and Next Steps

Committees Workplan and Upcoming Meetings

- CTF: July 15 and August 19
- PG: June 21
- BCC: July 11
- SASG: August 29



Closing Remarks and Adjourn

Thank you!

