Attachment G

Detailed Graphics of Alternatives

For information about this project in other languages or ADA accommodations (Americans with Disabilities Act), please call 503-988-5970 or email burnsidebridge@multco.us.

Para obtener información sobre este proyecto en español, ruso u otros idomas, llame al 503-988-5970 o envíe un correo electronico a burnsidebridge@multco.us.

Для получения информации об этом проекте на испанском, русском или других языках, свяжитесь с нами по телефону 503-988-5970 или по электронной почте: burnsidebridge@multco.us.



Attachment G. Detailed Graphics of Alternatives

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EARTHQUAKE READY BURNSIDE BRIDGE

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Figure 1. Simulation of Existing Burnside Bridge after a CSZ Earthquake

Source: Multnomah County

Figure 2. Enhanced Seismic Retrofit: Pier and Bent Locations – Aerial View from **Southern Viewpoint**



BURNSIDE ST

BURNSIDE ST

WEY:

RIGHT OF WAY IMPACTS

PIERS

COLUMNS

Figure 3. Enhanced Seismic Retrofit: Pier and Bent Locations – Plan View







Figure 5. Short-Span Alternative: Configurations and Bent Locations

Figure 6. Short-Span Alternative: Configurations and Bent Locations



Figure 7. Short-span Alternative – Aerial View from Southwest Viewpoint (Generic Movable Span Shown)



Figure 8. Long-Span Alternative: Configurations and Bent Locations





Figure 9. Long-Span Alternative: Configurations and Bent Locations (Tied-Arch Configuration with Generic Movable Span Shown)









Figure 12. Long-Span Alternative: Bascule Lift Option and Cable-Stayed Configuration





Figure 13. Long-Span Alternative: Vertical Lift Option and Cable-Stayed Configuration





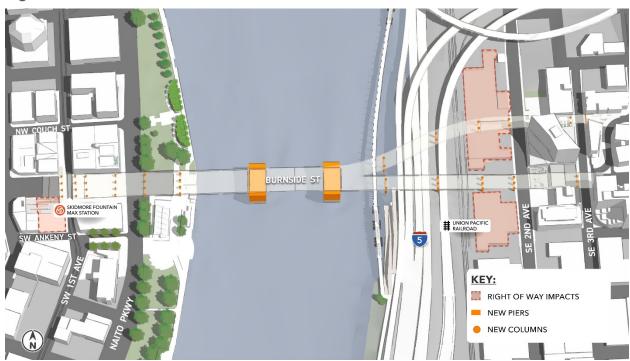


Figure 15. Couch Extension Alternative – Pier and Bent Locations

Figure 16. Couch Extension Alternative: Pier and Bent Locations – Aerial View from Southern Viewpoint

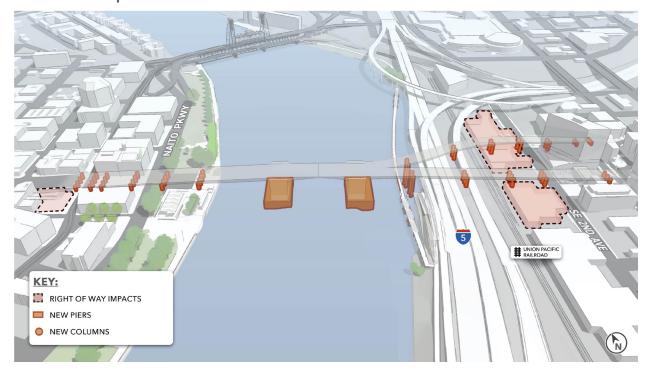




Figure 17. Couch Extension Alternative – East Approach from Southern Viewpoint





Figure 19. Conceptual Pedestrian Access to Eastbank Esplanade – Aerial View from South Viewpoint (Short-Span Alternative Shown)



Figure 20. Potential Off-Site Staging Areas



DETOUR ROUTES Full-Closure Option Westbound Eastbound STEEL BRIDGE **NE LLOYD BLVD** Transit detours use Steel Bridge **BURNSIDE BRIDGE** (Closed) **SE GRAND AVE SE MLK BLVD** NAITO PKWY SW 3RD AVE SW 2ND AVE **MORRISON BRIDGE HAWTHORNE BRIDGE**

Figure 21. Detour Routes during Bridge Closure

Figure 22. Seismic Vulnerability of Downtown Bridge Approaches STEEL BRIDGE **BURNSIDE BRIDGE**







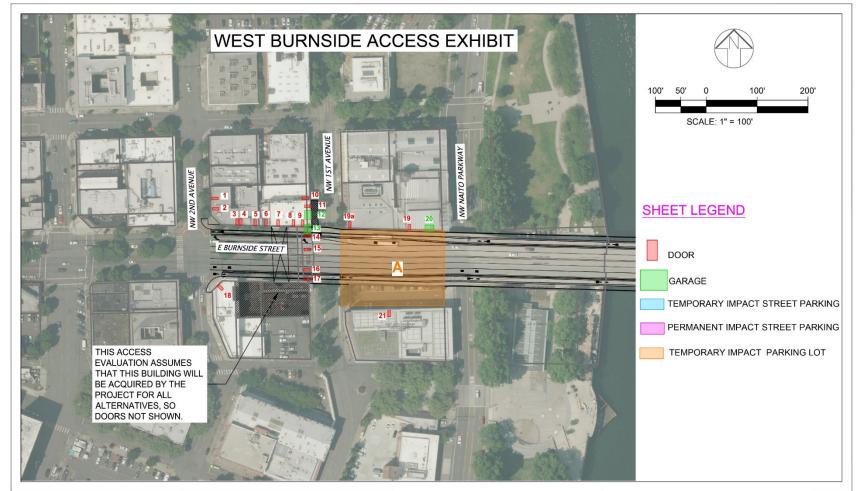


Figure 23. West Burnside Access Exhibit*

See the table, Anticipated Parking Closures for the Build Alternatives, in Draft EIS Section 3.1, Transportation, for durations of closures (where applicable) for each lettered access (A, B, C etc.).

^{*}The University of Oregon space underneath the bridge would be permanently closed.

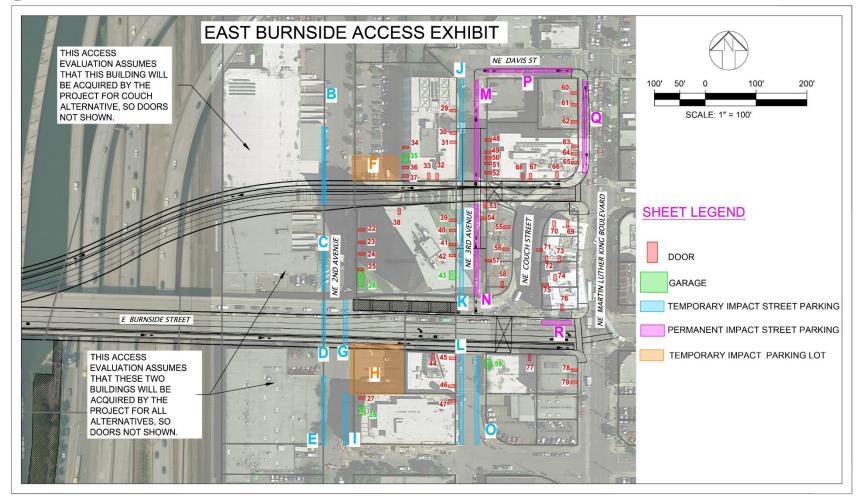
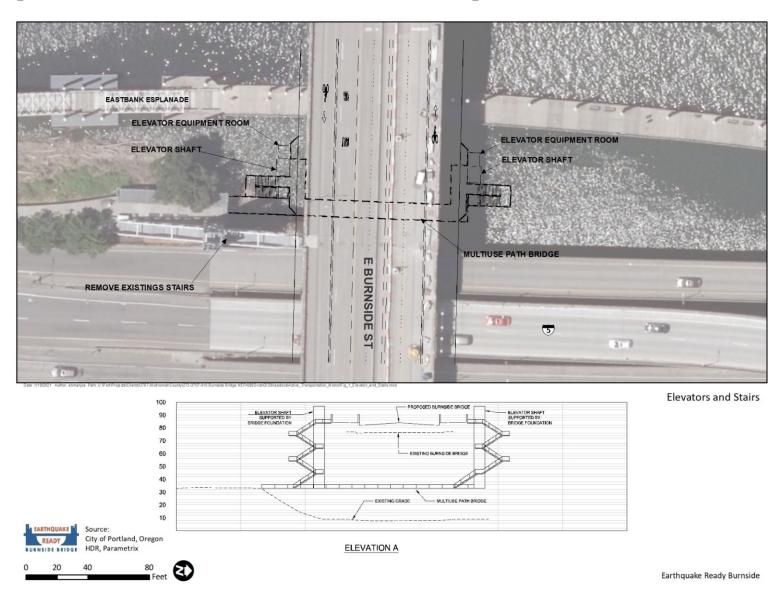


Figure 24. East Burnside Access Exhibit

See the table, Anticipated Parking Closures for the Build Alternatives, in Draft EIS Section 3.1, Transportation, for durations of closures (where applicable) for each lettered access (A, B, C etc.).

Figure 25. Stairs and Elevator on North and South Sides of the Bridge



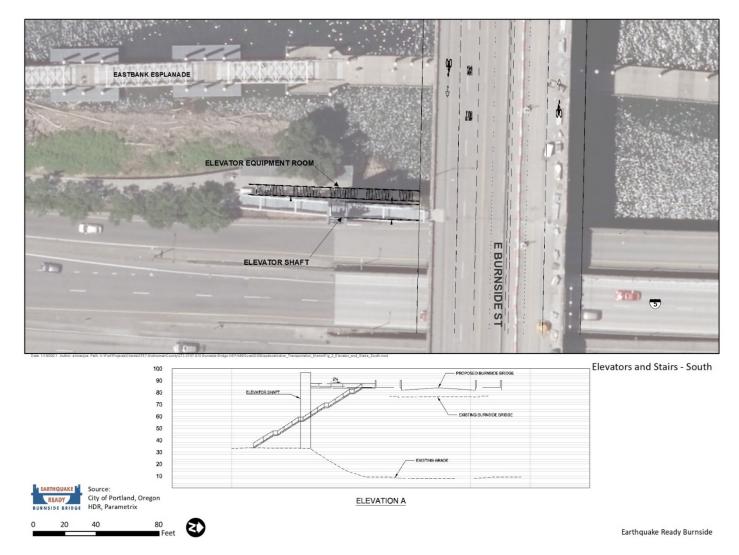
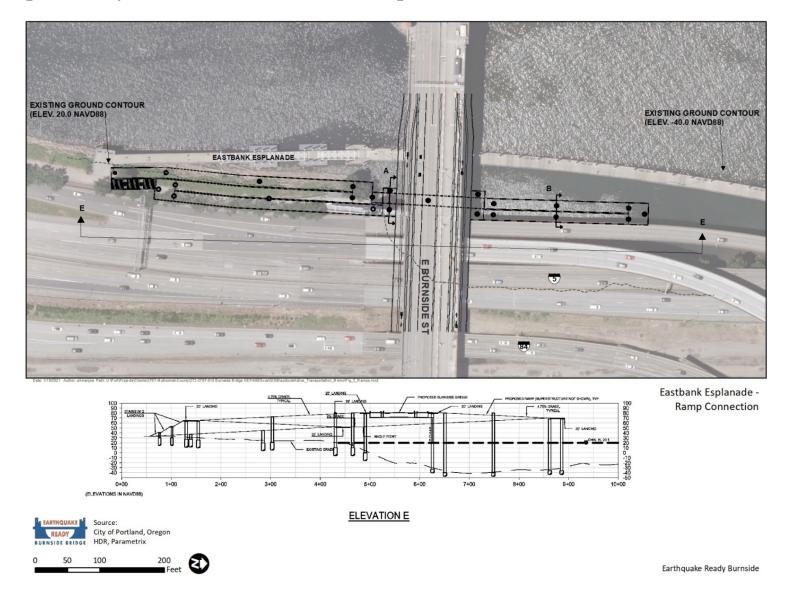


Figure 26. Stairs and Elevator on South Side of the Bridge Only

Includes a signalized mid-block crossing connecting the north and south sidewalks and bike lanes.

Figure 27. Ramps on North and South Sides of the Bridge and Stairs on South Side



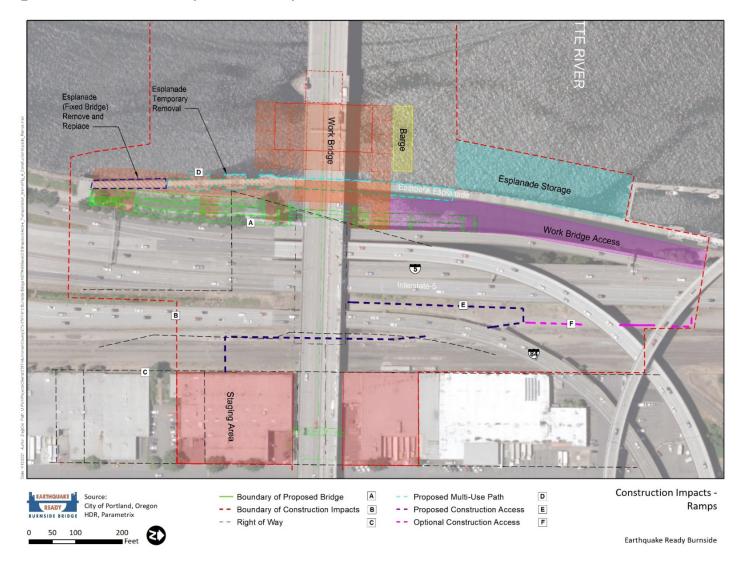
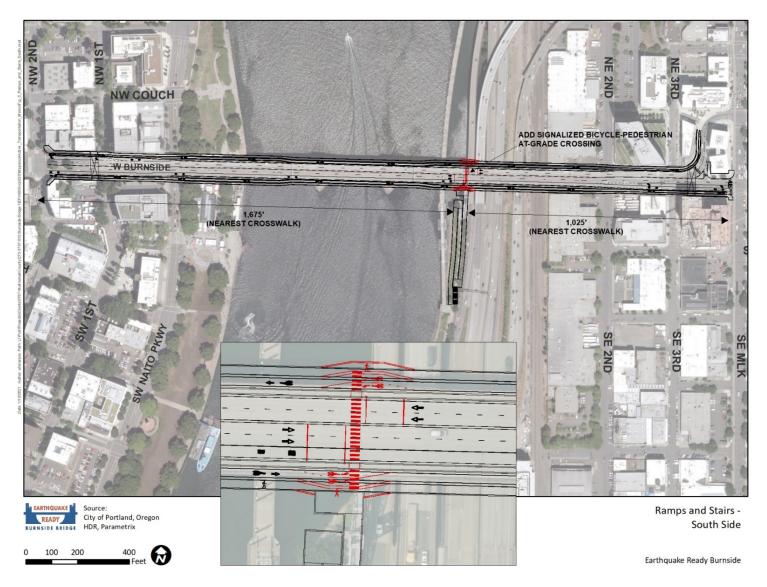


Figure 28. Construction Impacts for Ramps and Stairs

Construction impacts for ramps on north and south sides of the bridge and stairs on south side. (Note: Similar for ramp and stairs on south side only except limits of permanent construction shown in green are reduced.)

Figure 29. Ramp and Stairs on South Side Only



Includes a signalized mid-block crossing connecting the north and south sidewalks and bike lanes.

Figure 30. In-Kind Stairs on the North and South Sides



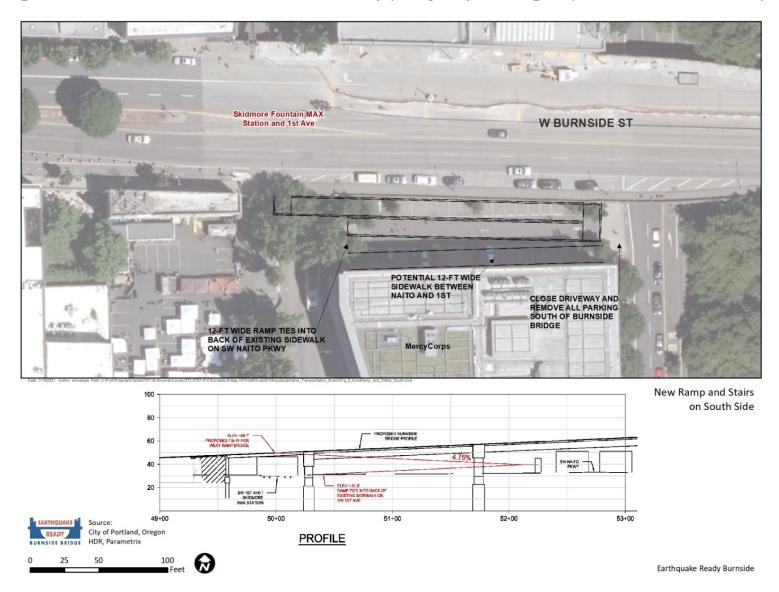
Figure 31. In-Kind Stairs on North Side; New Ramp (Saturday Market Admin Site) and Stairs on South Side



2ND AVE ON NEW STRUCTURAL RAMP Central City Concern W BURNSIDE ST COUCH ST ON EXISTING SIDEWALK Portland Rescue Mission ON EXISTING SIDEWALK Skidmore Fountain MAX NW 1ST AVE Station and 1st Ave Potential Accessible Routes City of Portland, Oregon - 490' Mid-Block Crossing at 1st Ave A from North Sidewalk BURNSIDE BRIDGE HDR, Parametrix В — 655' (2nd Ave Crosswalk) С - 789' (Around the Block) 20 Earthquake Ready Burnside

Figure 32. Potential Accessible Routes from North Sidewalk (Point A) to Skidmore Fountain MAX station (Point B)

Figure 33. In-Kind Stairs on North Side and New Ramp (Mercy Corps Parking Site) and Stairs on South Side (Layout 1)



Skidmore Fountain MAX Station and 1st Ave W BURNSIDE ST THIS CONCEPT WILL REQUIRE SUPPORTS EAST OF NAITO POTENTIAL 12-FT WIDE SIDEWALK BETWEEN NAITO AND 1ST A AND 12-FT WIDE RAMP TIES INTO BACK OF EXISTING SIDEWALK CLOSE DRIVEWAY AND REMOVE ALL PARKING SOUTH OF BURNSIDE ON SW NAITO PKWY BRIDGE **New Ramp and Stairs** on South Side (Layout 2) PROPOSED BURNSIDE BRIDGE PROFILE SW NAITO -SW 1ST AVE / SKIDMORE MAX STATION 50+00 51+00 53+00 49+00 52+00 City of Portland, Oregon READY **PROFILE** HDR, Parametrix

25

Figure 34. In-Kind Stairs on North Side and New Ramp (Mercy Corps Parking Site) and Stairs on South Side (Layout 2)

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