EARTHQUAKE READY BURNSIDE BRIDGE

ENVIRONMENTAL STUDY TOPICS

BETTER - SAFER - CONNECTED

LAND USE – is it consistent with local land use plans and policies? How does it affect housing, industrial areas, commercial areas, and development/redevelopment?

ECONOMICS – how would it impact employment, income, businesses, and regional economic health?

DISPLACEMENTS AND RELOCATIONS – what properties would need be purchased, and what uses would have to be relocated?

TRANSPORTATION

- Motor vehicles
- Bicycles, pedestrians and ADA
- Transit (bus, BRT, LRT)
- Rail

RIVER NAVIGATION – how would it impact the ability of boats to use the river?

NEIGHBORHOODS AND SOCIAL ENVIRONMENT – would it affect any uses that are important landmarks or gathering areas of the neighborhood, or that define the neighborhood character? What are the demographics of the area and how would they be affected?

ENVIRONMENTAL JUSTICE AND *EQUITY – how are the impacts and benefits distributed across different ethnic populations and income groups, as well as across any other historically marginalized population?

VISUAL RESOURCES – how would it change views from key viewpoints? What would the visual experience be for bridge users? What visual or aesthetic issues should we consider when developing the design in the next phase?

PARKS AND RECREATION – how does it affect parks? How does it affect other recreation facilities and experiences?

ARCHAEOLOGICAL AND HISTORIC RESOURCES – how does it affect historic buildings and districts? How does it affect buried resources including historic as well as prehistoric resources?

PUBLIC SERVICES – How does it affect public service facilities and the ability to provide services (e.g., police, fire dept, social services, library, etc.)?

UTILITIES – how does it affect utility facilities, their services, and demand for them?

SOILS AND GEOLOGY – How does it affect landslides or other soil and geologic hazards? How is the project affected by geologic hazards, such as earthquakes?

HAZARDOUS MATERIALS – Are there contaminated soils or groundwater that would be affected? Would the project increase or decrease risk of contamination?

AIR QUALITY – How would the project affect the emission and concentration of regulated air pollutants?

NOISE AND VIBRATION – how would the project affect the level and location of transportation noise relative to sensitive receivers, such as residences?

WETLANDS AND WATERS – how does it affect the quality and quantity of regulated water bodies, including wetlands?

HYDRAULICS AND FLOODING – how does it affect flood levels and frequency? How does it change scour and deposition – eg, scouring banks or creating sandbars?

STORMWATER – how much rain water runoff will it generate, and how would it affect pollutants in that runoff?

VEGETATION – how would it affect native plants, including their habitat?

WILDLIFE AND AQUATIC SPECIES – how would it affect animals on land and in the water, including their habitat?

ENDANGERED SPECIES – how would it affect plants, wildlife and aquatic species that are protected by the federal Endangered Species Act?

CUMULATIVE IMPACTS – what are the collective impacts of this action when added to past and reasonably foreseeable future actions on those same resources?

COSTS – what is the cost to construct it? Are the substantial maintenance and operation considerations?

***SUSTAINABILITY AND *CLIMATE CHANGE –** how does it affect greenhouse gas emissions and global climate change (a cumulative impact)? How does climate change affect this project?

***HEALTH IMPACT ASSESSMENT –** how do all the changes collectively benefit human health or increase risks?

** These elements or areas of study are not necessarily standard for an EIS but will be included to address specific County or City policies or values.*

Multnomah County

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ALTERNATIVES ANALYSIS TOPICS

- Cross Sections (Widths – vehicular lanes, sidewalks, bike lanes)
- Construction Methods and Duration
- Transportation and Park Connections
- Height / Length / Depth / Grade
- Potential Mitigation Concepts
- Evaluation Criteria and Measures
- Access (buildings, driveways, roads, etc.)

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Multnomah County