

## Technical Report Summary: Stormwater

This summarizes the key findings of the *Draft Environmental Impact Statement* detailed in the *EQRB Stormwater Technical Report*.

### Affected Environment

The study area includes the project area and all the areas that drain directly to the project area, both within and outside the right-of-way, that could be considered contributing impervious areas (CIA) for any of the alternatives. Impervious surfaces are those that water can't pass through.

Existing stormwater drainage systems within the study area include runoff discharged to the combined sewer overflow (CSO) system with and without pre-treatment, stormwater-only systems with no treatment, and bridge treatment facilities and outfall to the Willamette River. Most of the existing runoff is discharged to the CSO system without pre-treatment.

No infiltration to groundwater is proposed, and no impacts to groundwater related to stormwater treatment are anticipated.

### Mitigation

Any new or modified impervious areas resulting from the build alternatives would be considered CIA. Runoff from these areas would be mitigated using stormwater management facilities to reduce the levels of pollutants discharged to receiving waters. Stormwater treatment could include the use of underground stormwater treatment vaults on either side of the river and bioswales on the east bank (stormwater treatment on the west bank is precluded due to inadequate space). Additional plans and permits prior to and during construction would be required.

More information on this topic is available in the *Draft Environmental Impact Statement* and in the *EQRB Stormwater Technical Report*.

### More information

Help shape the future of the Burnside Bridge and visit [BurnsideBridge.org](http://BurnsideBridge.org) for more information.

#### For more information, contact:

Mike Pullen, Multnomah County Communications Office,  
[mike.j.pullen@multco.us](mailto:mike.j.pullen@multco.us), (503) 209-4111

*For information about this project in other languages, please call 503-209-4111 or email [burnsidebridge@multco.us](mailto:burnsidebridge@multco.us).*

*Para obtener información sobre este proyecto en español, ruso u otros idiomas, llame al 503-209-4111 o envíe un correo electrónico a [burnsidebridge@multco.us](mailto:burnsidebridge@multco.us)*

*Для получения информации об этом проекте на испанском, русском или других языках, свяжитесь с нами по телефону 503-209-4111 или по электронной почте: [burnsidebridge@multco.us](mailto:burnsidebridge@multco.us).*

### Impacts from the Bridge Alternatives



#### No-Build Alternative

The No-Build Alternative would continue to have direct adverse impacts on stormwater quality. It would continue to discharge stormwater runoff that does not meet the current minimum quality standards for new projects. During and after a CSZ earthquake, bridge collapse or pier shift could suspend sediment and associated pollutants in the river.



#### Impacts Common to all Build Alternatives

All the build alternatives would trigger stormwater management requirements and result in water quality improvements. Any existing impervious surface that is reconstructed or new impervious surface would require stormwater runoff treatment, resulting in a greater volume of treated stormwater runoff in comparison to the No-Build Alternative. All the build alternatives would have temporary impacts to stormwater management during construction from construction activities including excavation and demolition.

Under all the build alternatives, the bridge would not collapse, and stormwater runoff would continue to be conveyed off the bridge deck and routed through water quality treatment facilities.



#### Enhanced Seismic Retrofit Alternative

In addition to the common impacts, the Retrofit Alternative would have no net increase in impervious surface and would treat 6.3 acres of CIA. Within the project area, the untreated area would be 12.4 acres versus 18.2 acres for existing conditions.



#### Replacement Alternative with Short-Span Approach

In addition to the common impacts, this alternative would have a net increase in impervious surface of 0.9 acres and would treat 7.5 acres of CIA. Within the project area, the untreated area would be 12.1 acres versus 18.2 acres for existing conditions.



#### Replacement Alternative with Long-Span Approach

This alternative would have the same impacts as the Short-Span Alternative.



#### Replacement Alternative with Couch Extension

In addition to the common impacts, this alternative would have a net increase in impervious surface of 2.2 acres and would treat 8.7 acres of CIA. Within the project area, the untreated area would be 11.3 acres versus 18.2 acres for existing conditions.

### Impacts from Construction Traffic Management



#### Without a Temporary Bridge

Without a temporary bridge, no additional impacts to water quality beyond those described above are anticipated.



#### With a Temporary Bridge

The use of a temporary detour bridge during construction would lead to additional temporary impacts to water resources similar to those described above in the Impacts from the Bridge Alternatives section.