

Technical Report Summary: Air Quality

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

Affected Environment

The study area used in the technical report encompasses a one-block radius around the existing Burnside Bridge including the immediate vicinity of the construction footprint and the roadways used for re-routing traffic. The report identifies existing air quality conditions and air quality impacts due to construction. A primary concern is the release of air pollutants such as nitrogen oxides and carbon monoxide from transportation sources. Data from 2016 to 2018 indicate that pollution levels near the project area are well below the corresponding National Ambient Air Quality Standards (NAAQS).

Mitigation

State regulations provide precautions to avoid dust emissions, for example:

- Install and use hoods, fans, and fabric filters to enclose and vent the handling of dusty materials.
- Apply water or other suitable chemicals on unpaved roads, material stockpiles, and other surfaces that could create airborne dusts.
- When in motion, always cover open-bodied trucks transporting materials likely to become airborne.
- Promptly remove from paved streets earth or other material that could become airborne.

Particular consideration would be given to residents of older buildings that do not currently have air conditioning and rely on opening windows to cool interior temperatures. The potential for impacts as well as mitigation options would be evaluated and coordinated with those facilities as the Project progresses.

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

More information

Help shape the future of the Burnside Bridge and visit BurnsideBridge.org for more information.

For more information, contact:

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For information about this project in other languages, please call 503-209-4111 or email 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

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.

Impacts from the Bridge Alternatives



No-Build Alternative

The area would remain within NAAQS and no construction emissions would be expected. However, emissions from bridge maintenance activities would be higher and more frequent compared to the build alternatives.



Impacts Common to all Build Alternatives

The build alternatives are not anticipated to increase emissions because traffic volumes would remain the same. The travel demand model used for air quality analysis shows potential indirect impacts from future growth, though air pollutants are still predicted to be lower than today. Emissions from construction activities would result in temporary and localized increases in pollution.



Enhanced Seismic Retrofit Alternative

Would not result in changes in traffic volumes, vehicle types, location, or any other factor that would cause a meaningful increase in air quality impacts compared with the No-Build Alternative.



Replacement Alternative with Short-Span Approach

Would not result in changes in traffic volumes, vehicle types, location, or any other factor that would cause a meaningful increase in air quality impacts compared with the No-Build Alternative.



Replacement Alternative with Long-Span Approach

Would not result in changes in traffic volumes, vehicle types, location, or any other factor that would cause a meaningful increase in air quality impacts compared with the No-Build Alternative.



Replacement Alternative with Couch Extension

Although the Couch Extension would add a new road alignment on the east side of the bridge it is not expected to increase traffic volumes and therefore has low potential for air quality impacts.

Impacts from Construction Traffic Management



Without a Temporary Bridge

Air quality would remain relatively unchanged from today.



With a Temporary Bridge

Air quality would remain relatively unchanged from today.