



Department of Local Services  
Road Services Division

## DETERMINATION OF NONSIGNIFICANCE (DNS)

**Name of Proposal:** Coal Creek Bridge 3035A Replacement Project #1135997

**Date of Issue:** December 10, 2019

**Description of Proposal:** The Coal Creek Bridge #3035A Replacement Project is presently in the Design Phase. The following project description reflects known information as of November 2019.

The existing bridge is a two-lane single-span structure that is 41 feet long and 18 feet wide. The 61-year-old timber support structure (piles) is decaying, the 107-year-old steel girder and floor beams are severely rusting, the paint is peeling, and the road geometry (curve in the road and bridge) does not provide adequate sightlines (visibility to oncoming traffic). The bridge has been categorized as structurally deficient, functionally obsolete, and load limited.

The bridge replacement will be constructed with a longer clear span (approximately 54 feet) over the creek. The new bridge's spread footings will be on new abutments constructed landward of the creek to accommodate the bankfull width of the creek channel. The bridge width will increase to 30 feet to meet or exceed the 2018 American Association of State Highway and Transportation Officials (AASHTO) roadway standards. The bridge width includes two eleven-foot-wide vehicular lanes, one two-foot-wide shoulder on the north side and one six-foot-wide non-motorized shoulder on the south side of the bridge. The existing bridge piles will be removed to the extent possible; if full removal of in-water piles is not possible, the piles will be cut below the mudline of the creek and capped with streambed gravel substrate. The project will implement a structural earth wall to provide support and reduce the area of impacts. The project will also realign the approach roadway leading to and from the bridge to meet the AASHTO horizontal and vertical geometry requirements.

### Anticipated Project Impacts

The total site area including potential staging areas is approximately 1.47 acre (64,200 square feet). Of that, 0.88 acre (38,400 square feet) will be impacted, which is approximately 59.8 percent of the site. The project will require riparian area disturbance and over-water and in-water work to complete the following:

- Tree removal, vegetation clearing, fish exclusion, stream bypass/diversion, pile removal, and excavation.
- Install/remove a temporary bridge for the project detour. The project will require that at least one traffic lane be available at all times because this is a sole-access route. Please see the discussion in Section 14 (Transportation) regarding the detour analysis.
- Construct the new bridge, abutments, structural earth wall, and bridge approaches, which create new impervious surfaces that impact stormwater/water quality.
- Private property temporary construction easements and personal property relocation.

### Anticipated Project Mitigation

Mitigation methods will be implemented on-site to the extent possible to avoid, minimize, and compensate for unavoidable project impacts. The following mitigation is anticipated for the project:

- Temporary and permanent erosion and sediment control (TESC) best management practices; e.g., native planting and erosion-control seed mix, natural fiber blankets, etc.
- Removal of the old bridge and associated fill/riprap.

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- Streambanks will be stabilized and reshaped to be less steep to the extent possible. Use of new riprap will be avoided.
- New bridge supports will be constructed below the stream channel scour line.
- In-water large woody debris will be provided as habitat and to create stream channel roughness.
- New streambed material will be added as needed to disturbed areas.
- Stormwater mitigation is being evaluated to minimize impacts to water quality.

### Anticipated Project Benefits

The project will provide the following benefits:

- Accommodate natural stream processes including improved flood flow conveyance, sediment and wood transport.
- Less debris accumulation at the bridge, minimizing the potential for scour.
- Localized water quality improvement by removing creosote-treated timber and stormwater treatment.
- Elimination of the load limit on the bridge.
- Improved safety for the traveling public.

### Funding

The project is partially funded by the Federal Highway Administration and King County. The total project cost is estimated at \$4,708,000.

**Location of Proposal:** The proposed project is located at the Coal Creek Bridge #3035A, which is in unincorporated King County on SE Lake Walker Road, at the Coal Creek crossing near the intersection with 320th Avenue SE, and near the community of Cumberland. The project site is approximately four miles east of the City of Black Diamond, within the NE Quarter of Section 33, Township 21N, Range 07E, and can be found on page 779 (Row 4, Column C) of the Thomas Brothers Guide. The site is located at N47.26867 and W-121.91551.

**Schedule:** Construction is anticipated to begin in 2021 and be completed in 2022. The temporary detour bridge is anticipated to be needed for approximately five months in 2021. Work will be constructed by a Contractor.

**Proponent and Lead Agency:** King County Department of Local Services, Road Services Division

The lead agency for the proposal determined that it does not have a probable significant adverse impact on the environment. A State Environmental Policy Act (SEPA) environmental impact statement (EIS) is not required under Revised Code of Washington (RCW) 43.21C.030(2)(c). This decision was made after review of a completed SEPA environmental checklist (ECL) and other information on file with the lead agency. Copies of the ECL are available on the project website at <https://kingcounty.gov/depts/local-services/roads/coal-creek-bridge.aspx>.

This DNS is issued under Washington Administrative Code (WAC) 197-11-340(2); the lead agency will not act on this proposal for fourteen (14) days from the date of issue, per WAC 197-11-502(3)(b).

**Comments and Appeals:** Although there is no administrative appeal of this threshold DNS (King County Code 20.44.120), the county welcomes your comments. **Any comments regarding this DNS must be received by 4:30 p.m. on December 24, 2019.** Comments may be submitted by email (recommended), US mail, or telephone.



# King County

Department of Local Services  
Road Services Division

All comments received by this deadline will be reviewed by the lead agency. If you have any questions or concerns, or require additional information, please contact Brent Champaco, Public Information Officer.

**Contact Person:**

Brent Champaco, Public Information Officer  
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King Street Center (Mail Stop: KSC-LS-0824)  
201 South Jackson Street  
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**Signature:**

**Date:**

11/25/2019

**SEPA Responsible Official:**

Rick Brater

**Position/title:**

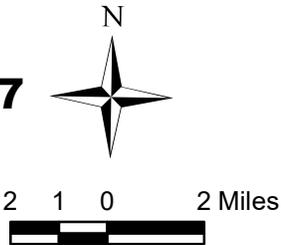
Road Services Division Director  
Department of Local Services



King County

**Coal Creek Bridge #3035A  
Replacement Project #1135997  
Vicinity Map 1**

February 19, 2019



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