



# King County

Department of Local Services  
**Road Services Division**

January 26, 2024

TO: Stacy Graves, Assistant Planner, Permitting Division

FM: Emily Davis, Environmental Scientist, Environmental Unit

RE: Construction Hours Variance Request  
SE Duthie Hill Road - Pavement Preservation Project No. 1147048

King County Department of Local Services, Road Services Division (Roads) is requesting a Construction Hours Variance to work outside of normal hours of operation per King County Code (KCC) 12.86.520 in accordance with the requirements of KCC 16.82.105.B. The following information is provided in support of this request.

**Project:** SE Duthie Hill Rd Pavement Preservation Project Nos. 1147048

**Applicant:** Emily Davis  
Environmental Scientist III, Environmental Unit  
Road Services Division, King County Department of Local Services  
Mailstop: KSC-LS-0315  
201 South Jackson Street  
Seattle, WA 98104

**Contact:** Linda Mott  
Project Manager, Traffic and Roadway Design Unit  
Road Services Division, King County Department of Local Services  
Mailstop: KSC-LS-0315  
201 South Jackson Street  
Seattle, WA 98104

**Project Locations:** The project is located on SE Duthie Hill Rd, between Sammamish City Limits and the southeast approach to Patterson Creek Bridge 180L. The paving will occur in unincorporated King County. The project site can be found in the Thomas Brothers' Guide on page 598, map grid 3A. See the attached Vicinity Map.

**Project Description:** The SE Duthie Hill Road segment is one of eight roadway locations in the 2024 King County Roads Pavement Preservation Program. This segment of the project involves grinding existing asphalt pavement, raising/adjusting utility structures and overlaying a 0.73-mile segment of SE Duthie Hill Rd

**Construction Schedule:** It is anticipated that the contractor will complete this work over a period of ten (10) weeknights Monday evening through Saturday morning between July 1, 2024 and October 31, 2024.

**Variance Requested:** Roads is requesting a construction hours variance to work from 7:00 p.m. to 4:30 a.m. Monday through Saturday morning for ten nights between July 1, 2024 and October 31, 2024.

**Justification for Variance:** Working at night will improve worker safety and minimize impacts to the public by:

- Decreasing total working days
- Avoiding peak-hour traffic
- Minimizing risk exposure and traveling inconvenience for the traveling public
- Enabling more efficient linear grinding and overlay outside peak traffic hours

There are 17 single-family homes and 2 businesses (including a golf course/clubhouse) within 500 feet of the 0.73-mile road segment that may be affected by project noise (see attached Parcel Map). No known sensitive receivers are located within 500 feet of the work area. Per the requirements under KCC 16.82.105, the proposal is not anticipated to cause significant adverse noise effects to the community.

**Anticipated Construction Equipment for Night Work:** Equipment to be used includes, but is not limited to, the following: asphalt grinder, dump trucks, asphalt paver with auger, asphalt compactor/roller, portable generator, portable construction lights, hand tools, and other miscellaneous construction equipment. An Equipment Table is attached at the end of this document.

**Mitigation Measures:** Per KCC 16.82.105(B)(6), Roads proposes measures to minimize noise impacts to avoid health and safety hazards to the community caused by work outside of normal hours of operation; these measures include:

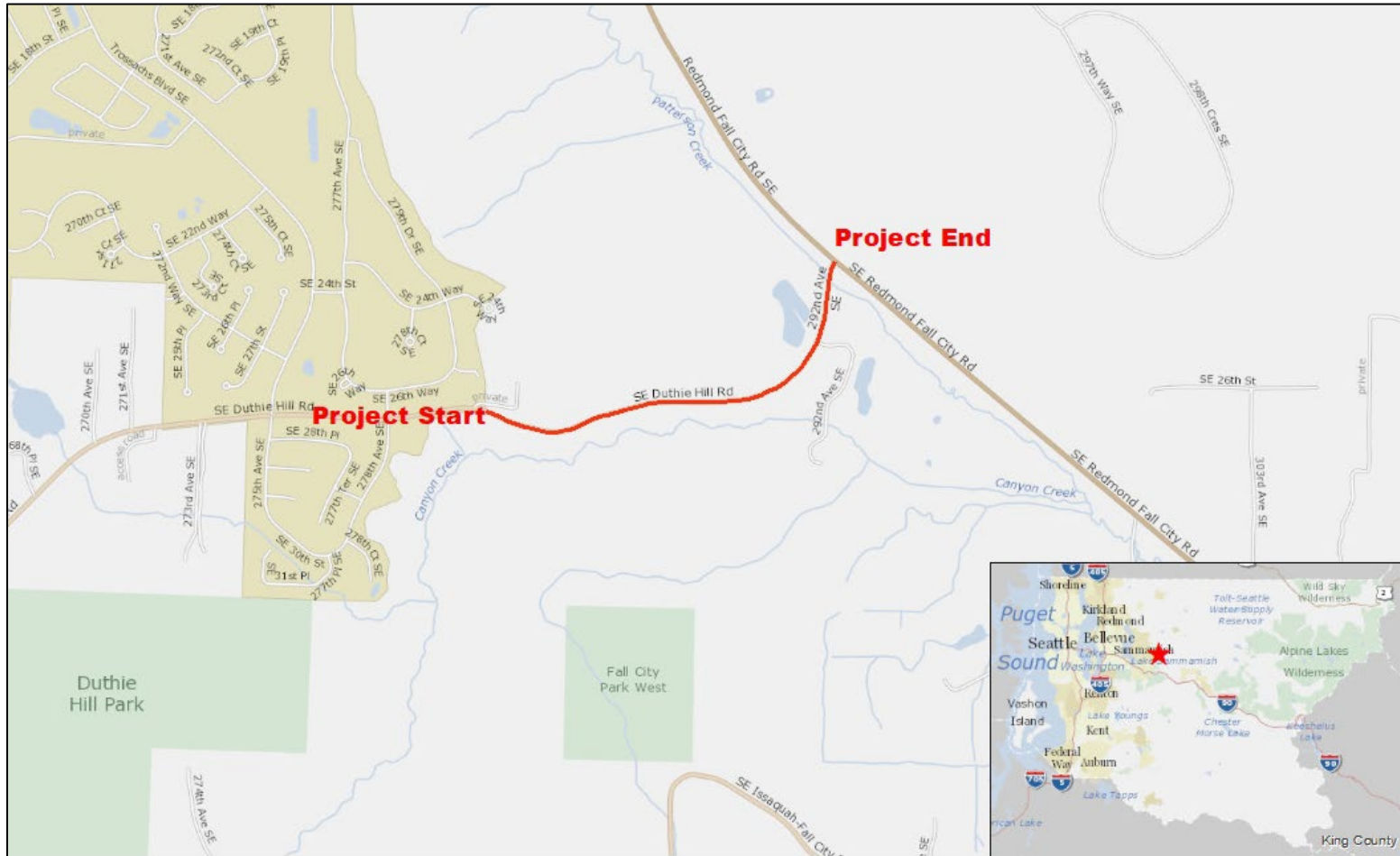
- Specific mitigation measures listed in the attached Equipment Table will be implemented to the extent feasible.
- All vehicles will be equipped with non-pure tone back-up warning devices to the extent allowed or required by the Washington State Department of Labor and Industries; the contractor may use back-up observers in lieu of back-up warning devices for all equipment except dump trucks in compliance with WAC 296-155-610 and 296-155-615.
- All trucks performing export haul will be maintained and approved by the Engineer.
- Truck tailgates will be secured to prevent excessive noise from banging.
- All equipment used during the normal working hours and after hours will be properly muffled and will comply with all applicable local, state, and federal regulations.
- Music, loud voices, radios, and other amplifying equipment will not be used in a manner that is heard outside the immediate work area.
- A copy of the Construction Noise Variance will be kept on the project site at all times.
- Notices will be mailed to addresses within 500 feet of the work area to notify affected residents and businesses at least 14 days prior to starting work.
- The project will provide updates to the Roads “Road Alert” website and provide social media outreach for roadway users and businesses at least 14 days prior to the start of work. The project’s webpage for more information is found at:  
<https://www.kingcounty.gov/depts/local-services/roads/paving-projects.aspx>
- Permitting Division will be notified a minimum of three days prior to the start of work.

- Roads will maintain an accurate record of the day's work on this project during nighttime hours via the Inspector's Daily Report.
- Contact information during construction for the project is as follows:
  - Victor Daggs, Construction Supervisor  
206-423-1063, [Victor.Daggs@kingcounty.gov](mailto:Victor.Daggs@kingcounty.gov)
  - Sujay Shandil, Resident Engineer  
(206) 477-1560, [Sujay.Shandil@kingcounty.gov](mailto:Sujay.Shandil@kingcounty.gov)
  - Roads 24-hour complaint/information hotline  
206-477-8100

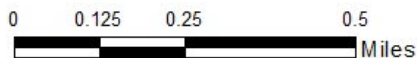
Thank you for your assistance with this project. If there are any questions, please contact me at 206-263-0985 or [EDavis@kingcounty.gov](mailto:EDavis@kingcounty.gov).

Enclosures

cc: Rose LeSmith, Section Manager, Engineering Services Section (ESS), Road Services Division (RSD), Department of Local Services (DLS)  
Victor Daggs, Construction Supervisor, Construction & Pavement Management Unit, ESS, RSD, DLS  
Sujay Shandil, Resident Engineer, Construction & Pavement Management Unit, ESS, RSD, DLS  
Aileen McManus, Supervising Engineer, Traffic & Roadway Design Unit, ESS, RSD, DLS  
Linda Mott, Project Manager, Traffic & Roadway Design Unit, ESS, RSD, DLS  
Broch Bender, Communications Specialist IV, RSD, DLS  
Amy Bresslour, Project/Program Manager III, RSD, DLS



### Project Vicinity - NE Duthie Hill Road 2024 Pavement Preservation Program



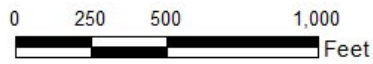
Date: 1/24/2024



The information included on this map has been compiled by King County staff from a variety of sources and is subject to change without notice.  
King County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information.  
This document is not intended for use as a survey product. King County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map.  
Any sale of this map or information on this map is prohibited except by written permission of King County.



## Impacted Parcels (500ft) - NE Duthie Hill Road 2024 Pavement Preservation Program



Property Type	
	Commercial
	Residential
	Timber

Date: 1/24/2024



The information included on this map has been compiled by King County staff from a variety of sources and is subject to change without notice. King County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or fitness to the use of such information. This document is not intended for use as a survey product. King County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of King County.

## Equipment Table

Equipment	Sound Level (dBA) <sup>a</sup>					Mitigation Measures
	At 50 ft	At 100 ft	At 200 ft	At 300 ft	At 500 ft	
Air compressor	78	70	63	59	53	When possible, air compressors will be located in areas shielded from direct line of sight from residences or temporary noise shields will be used.
Asphalt grinding machine	84	79	72	68	56	Slow moving mobile operation. Minimize use of backup alarms.
Asphalt roller	75	69	62	54	46	Modern rollers are vibratory static temporary noise. Use at each location will be brief.
Dump truck	76	68	61	57	51	Non-pure tone back up alarms will be utilized; truck tailgate banging is not allowed.
Generator	81	73	66	62	56	When possible, generators will be located in areas shielded from direct line of sight from residences or temporary noise shields will be used. Will only be used when necessary.
Portable light plants and generators	72	66	60	56	52	Existing street lighting will be supplemented as needed with portable light plants and generators that will be low to the ground and directed downward. House-side shields can be added as needed
Pickup truck	75	67	60	56	50	Contractor will avoid parking and idling vehicles next to residences.
Street Sweeper	72	69	66	56	62	Mobile operation. Construction equipment sounds will be in short duration and minimized with non-pure tone backup warning.
Temporary traffic control signs	71	65	59	55	51	Avoid parking equipment next to businesses. Request contractor to provide solar powered signs if possible.

<sup>a</sup>Based on published noise levels (L<sub>max</sub> at 50 ft) for common construction equipment and soft-site noise attenuation (WSDOT Biological Preparation Manual, 2020 Update).