

STATE OF OREGON
Department of Transportation
Region 3

Planning and Programming Unit
3500 NW Stewart Parkway
Roseburg, Oregon 97470
(541) 957-3521 FAX (541) 957-3547

MEMO

File Code: PLA

Date: 8.13.24

TO: Thomas McIntosh, Planning Department, City of Winston

FROM: Janell Stradtner, ODOT Transportation Planner

SUBJECT: **K21677 – OR 42 Lookingglass Creek to I-5, Noise Exemption**

The Oregon Department of Transportation is requesting a noise exemption to the normal operating hours of 7 AM to 10 PM weekdays, weekends and holidays for this STIP highway project. Night work is expected to occur intermittently between Winter 2024 and Fall 2026. During this time ODOT will provide weekly updates and press releases to keep the community updated on what to expect during construction.

This project will resurface a five-mile section of OR 42 between Winston and Interstate 5, from Winter 2024 through to Fall 2026, including the following features to improve safety and reduce crashes between the South Umpqua River and I-5:

- **A new traffic signal** will be installed on Oregon 42 at Rolling Hills Road/Grange Road. The signal will include streetlights, crosswalks and dedicated left-turn lanes in both directions of Oregon 42.
- **Turn restrictions:** Channelizing islands and median barrier will be installed along Oregon 42 between Rolling Hills Road and Carnes Road. The islands and barriers will limit left-turn movements to fewer intersections, helping to reduce crashes involving turn movements and lane departures.
- **U-turns:** Due to the new turn restrictions, U-turn accommodations will be provided for Oregon 42 motorists at two signalized intersections, Rolling Hills Road (westbound to eastbound) and Roberts Creek Road/Carnes Road (eastbound to westbound). The U-turn accommodations will allow travel between both directions of Oregon 42 and the neighborhoods north of the highway.
- **New streetlights:** Additional illumination will be provided along the multiuse path near the Oregon 42 intersections at Landers Avenue and Jackie Avenue.
- **Crossover crashes:** Raised concrete barrier will be placed along the center median of Oregon 42 between Grant Smith Road and the northbound I-5 ramps. This will help prevent head-on collisions.
- **Approaching on-ramp:** The striping on Oregon 42 eastbound will be adjusted at Exit 119 so that the left lane drops and traffic merges to the right. This is expected to help ease the lane imbalance as Oregon 42 traffic approaches the northbound on-ramp.

- **Right-turn lanes** will be provided for westbound Oregon 42 at Landers Avenue and Rolling Hills Road. This will reduce the risk of rear-end collisions by allowing vehicles to exit the highway travel lanes before turning.
- **Curb ramps:** Pedestrian facility improvements will involve replacing ADA curb ramps at 14 intersections along Oregon 42 between Main Street (the Cheetah intersection) and Grant Smith Road.
- **Paving work** will begin at Lookingglass Creek and continue to I-5. Most of this area will receive a 2-inch grind and inlay. Intersections that are more damaged or rutted will receive a 4-inch grind/inlay. The half-mile area between Grant Smith Road and the northbound I-5 ramps will also be resurfaced due to striping changes and median installation.
- **Bridge repairs:** As part of the resurfacing work, several bridges within the project area will receive new expansion joints, deck seals and overlays.
- **Traffic signal improvements:** ODOT will install new hardware on the Oregon 42 traffic signals at Grant Smith Road, Carnes Road (Kelly's Corner), Rolling Hills Road and the Oregon 42/Oregon 99 junction (Cheetah intersection) to help reduce rear-end crashes and improve safety at these intersections.

To date this is what we know of the type of work and noise:

1. The anticipated equipment would include but not be limited to: grinder, sweeper, paver, rollers, delivery trucks, back-hoes, jack hammers and saw cutter.
2. Types of noises: Based off of information from construction: Paving machines 89db, concrete saw 98db, back-up alarm is 107db, jack hammer can reach 130db, most of these will fade pretty quickly, but will echo off buildings.
3. The construction for the whole project is Winter 2024 to Fall 2026. At this time, we cannot give specific dates for work within the city limits but we will provide weekly construction updates and press releases to keep the community updated.

Night work will allow for a safer working environment while limiting the impacts to the traveling public. Night work provides many benefits, with the most prominent being safety, as traffic volumes are at their lowest. Historically, ODOT has found that exposure to increased volumes of traffic during the day to be one of the most dangerous parts of our projects, for both our employees and the contractor's employees. The higher traffic volumes during the daytime also poses a hazard for the public traveling through our work zones, as the lane transition area entering the work zone is one of the most dangerous areas of the project. Likewise, noise impacts to the residential areas is also a concern but we have found that construction can be completed sooner, benefiting everyone.

ODOT has standard construction-related noise mitigation measures (Oregon Standard Specifications for Construction, Specification 00290.32 Noise Control, ODOT, 2018) that we will include in the contract specifications for this project. All construction activities must comply with the Oregon Revised Statute, Chapter 467 (ORS-467) and the Oregon Administrative Rules Chapter 340, Division 35 Department of Environmental Quality (OAR 340-035). In addition, the following construction noise mitigation measures from the Oregon Standard Specifications for Construction are required to be included in all ODOT contract specifications:

- Use equipment with sound control devices no less effective than those provided on the original equipment. Equipment with un-muffled exhausts is prohibited.
- Use equipment complying with pertinent equipment noise standards of the EPA.
- Locate stationary construction equipment as far from nearby noise sensitive properties as feasible.
- Shut off idling equipment.

Please let me know if you have any questions or need additional information. My number is (541) 975.3521.

Thank you.

JS