Oregon Department of Transportation

South Coast Slides STUDY AREA AND SLIDE MITIGATIONS

SUMMER 2023

The rugged, mountainous coastline and beaches of Oregon's south coast are still shifting under the main north-south travel route for visitors, residents, transit, freight, and service vehicles.

The Study

Almost every year, landslides close parts of U.S. 101. The South Coast Slide Study looked at sustainable, practical, and cost-effective solutions and strategies to reduce the impacts of 13 priority slide sites along U.S. 101 between Port Orford and Brookings.

Need

When slides close parts of U.S. 101, drivers often must reroute via Interstate 5 (I-5), OR 42, or U.S. 199, which can add hours of drive time and complicate freight and fuel shipment, access to healthcare, and emergency response services. Returning a slide-impacted roadway to safe and stable driving conditions can be time consuming and expensive.

Results

Mitigate Slides

Because coastal geology is always changing, there is no permanent fix for landslides along U.S. 101. But targeted, small-scale, and cost-effective mitigation measures—such as drains and stone columns—can help stabilize slide slopes.

Roadway Mitigations on Carpenterville Hwy

Measures like pullouts and destination and directional signs can help improve safety and reduce stress for drivers navigating detour routes when there are impacts on U.S. 101.

Traffic Control Plans

Finally, detailed traffic control plans can help us coordinate communication during slide emergencies, manage closures and detours, and organize repair work.

See other side for study area map and slide mitigations.

Learn more about what is causing the landslides and what changes are proposed in the study. Read the final plan and sign up to get the latest news and updates about landslides in your area: **bit.ly/SouthCoastSlides**

Leaning power poles and trees are signs of shifting ground adjacent to US 101.

What about a bridge or new road; wouldn't that eliminate slide closures?

For more than 20 years, ODOT has studied both the technical and fiscal feasibility of major construction projects to reduce slides along U.S. 101, including a suspension bridge across the Hooskanaden slide, a full reconstruction of Carpenterville Highway, a new northern bypass route, and a new east-west connection to I-5.

Even if these efforts were financially feasible, the improvements would be similarly susceptible to the coast's unstable land masses. Vibrations from major construction efforts could even trigger new slides or awaken existing ones.

Erosion and slope failures are common and natural along this section of the coast.

For ADA Title II or Civil Rights Title VI accommodations, translation/interpretation services or for additional information call 503-731-4128, TTY 800-735-2900 or use the statewide Oregon Relay Service: 7-1-1.

For more information

Lisa Cornutt *ODOT Project Manager*
lisa.cornutt@odot.state.or.us | **541-957-3643**

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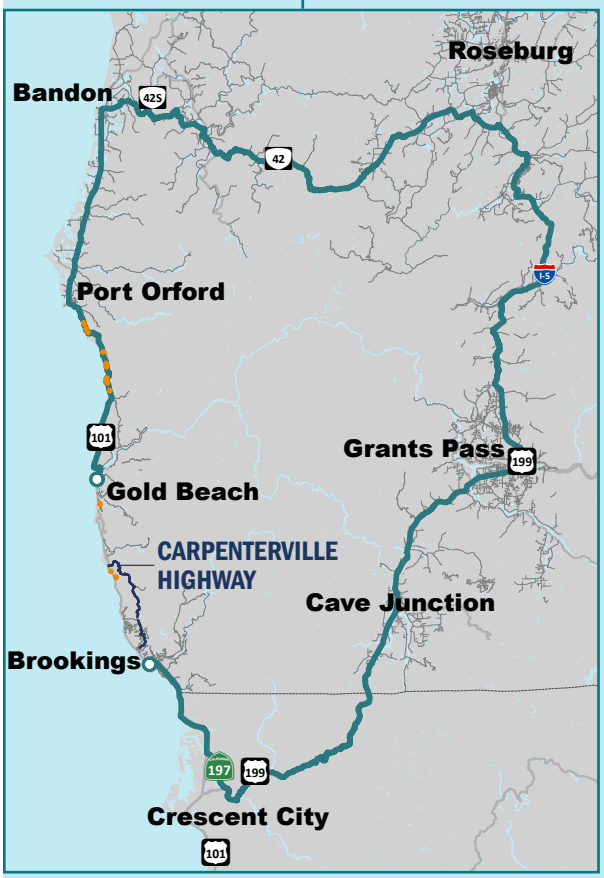
Carpenterville Hwy and I-5 are the only detours that bypass the slide areas.



Port Orford
101
Retz Creek South Slide
Coal Point Slide
North Brush Creek Hump
Brush Creek Slide
Arizona North Slide
Arizona Inn Slide
Christmas Tree Slide
Sisters Rock Sink
Frankport South Slide
Woodroof Creek Slide
101
Nesika Beach
Wedderburn
Gold Beach
Eighty Acres Slide
101
Pistol River
Burnt Hill Slide
Hooskanaden Slide
255
101
Brookings

ELK RIVER RD / FS-5502 / EUCHRE CREEK RD

No roadway mitigations are recommended along this route. This roadway has steep terrain, sharp curves, and narrow, unpaved sections with no turnaround opportunities. It is identified as a restricted access route for use by authorized ODOT, US Forest Service, and emergency vehicles during a slide event. Coordination with the US Forest Service is necessary and commercial traffic is prohibited without a commercial haul permit.

See Executive Summary and Report to review traffic control plans that have been prepared for each slide location.

CARPENTERVILLE ROAD

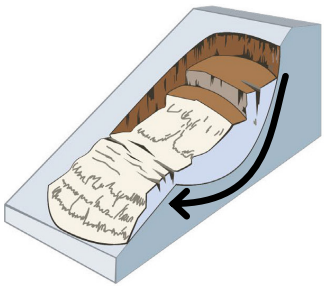
On Carpenterville Highway, existing pullouts can be enhanced with additional gravel and advance signage. Additionally, adding destination and directional signage may aid in the navigation of the detour route.

- DESTINATION SIGNAGE
- DIRECTIONAL SIGNAGE
- DESTINATION SIGNAGE
- DIRECTIONAL SIGNAGE
- DESTINATION SIGNAGE
- DESTINATION SIGNAGE
- DESTINATION SIGNAGE

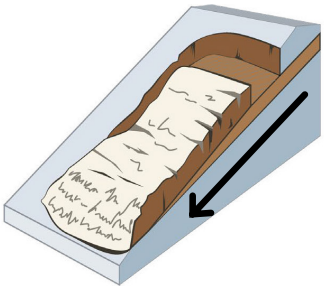
0 4 Miles

AREA MAP

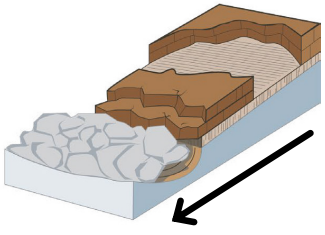
TYPES OF SLIDES



Rotational Slides



Translational Slides



Block Slides