

# OR 99E Canemah Rockfall Phase 2

## Clackamas

### Project Description

Address loose rock and repair existing wire mesh on the steep slopes above Oregon 99E, install rock bolts and remove slope vegetation to reduce rockfall and potential for rocks to land on OR 99E.

### Anticipated Benefits

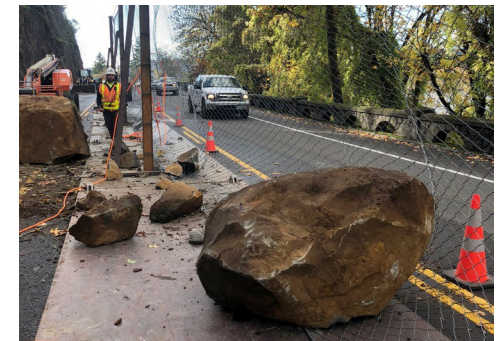
Improves safety and trip reliability by reducing instances of rocks landing on OR 99E and repairs or clean up after they fall.



*Project location along OR 99E near Canemah Bluff*

### Purpose And Need

In the past 10 years, there have been at least four rockfall events with debris landing on OR 99E and requiring closure of highway lanes. In 2008, rockfall closed a lane for 14 days. This project mitigates the hazardous rock slope.



*Rocks from scaling on adjacent slopes on OR 99E*

### Proposed Solutions

Repair or replace existing rockfall wire mesh.  
Install more than 150 rock bolts to stabilize the slope. Scale the slope to remove loose rock.  
Remove vegetation from the slope.

### Estimated Project Cost

Estimated total cost	\$4,002,000
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