

# SR 2 Landslide - Project Update

March 13, 2018

## BACKGROUND

On Wednesday, November 29, ODOT closed the ramp from westbound SR 2 to northbound SR 269 (exit 125) because the difference in pavement heights was expanding. Shortly thereafter, the pavement slid, as seen in the picture.



## PROJECT DETAILS

- The base of the slope will be excavated and a rock anchor (shear key) will be installed
- Crews will excavate the outside of the slope, and new soil will be placed above the rock anchor to reconstruct the slope
- New pavement and guardrail will be constructed, and some median barrier sections and drainage will be replaced in the project area



## PROJECT SCHEDULE

- Project scheduled to start March 22
- Project expected to be completed by Memorial Day Weekend
- ODOT understands this exit's importance to the area's summer tourism; We are offering the awarded contractor an incentive to complete the project as soon as possible

## MAINTENANCE OF TRAFFIC

- During construction, SR 2 will have one lane of traffic in each direction
  - Traffic will travel bi-directionally on the eastbound side of SR 2
  - The cross-overs will be east of the railroad bridge and west of the SR 269 interchange
  - A temporary concrete barrier wall will separate eastbound and westbound traffic
- The westbound exit ramp at SR 269 will remain closed during the project
- Currently, the eastbound exit ramp at SR 269 will remain open during the project
- During setup and removal of the temporary barrier wall and cross-overs, the Ohio State Highway Patrol will control traffic for the safety of workers and the traveling public

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## TIMELINE OF EVENTS

- Mid November: Crews noticed the pavement was cracked in the shoulder of westbound SR 2 at SR 269 (exit 125), so they monitored it. Soon, there was an inch difference in pavement heights, so ODOT engineers were deployed to inspect it, and the shoulder was closed.
- On Wednesday, November 29, ODOT closed the ramp from westbound SR 2 to northbound SR 269 (exit 125), because the difference in pavement heights was expanding. Shortly thereafter, the pavement slid down. Because the area was already closed, nobody was injured in the slide.
- Since then, ODOT has been monitoring the slide, conducting tests to determine the magnitude and creating a team to combat the problem.
- The week of December 4, ODOT crews cleared vegetation from the side of the slope to allow access for survey and geotechnical equipment.
- ODOT geotechnical crews surveyed the area and decided to proactively close the right lane of westbound SR 2 on Tuesday, December 5.
- ODOT proactively removed the light pole just west of the Norfolk Southern railroad bridge. Surveyors completed site survey work on Friday, December 8. On Thursday, December 14, ODOT designers delivered preliminary cross sections of the slope to help evaluate the failure plane.
- A geotechnical drilling crew completed installation of 3 inclinometers on the slope and began taking readings of movement of the slope.
- Data about the slide was gathered through Friday, January 19, 2018.
- In late January, ODOT crews removed the pavement in the ramp lane and cut some soil back to remove weight from the slide.
- Data was analyzed, repair options were presented and ODOT selected a repair type. The slope will be rebuilt with a rock anchor (shear key) at the base of the slope, and the project will include accompanying roadway, guardrail, drainage and sign replacement.
- The plan package has been submitted to ODOT's Central Office and is scheduled to sell March 22. The project is anticipated to be complete by Memorial Day Weekend.
- ODOT understands this exit is important to the area's summer tourism, so we are offering the awarded contractor an incentive to complete the project as soon as possible.