

Inspection Date: 2/12/2025

Probability of Rockfall Occurrence	High (8)
Probability of Rockfall Reaching Traffic Lane	Very High (10)
Tier Determination Score	18
Tier	Tier 4
Remediation	Non-remediated
Emergency Determination	No
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	333
Hazard Area BMP	17.29
Hazard Area BMP Elevation (ft)	627
Hazard Area EMP	17.65
Hazard Area EMP Elevation (ft)	637
Hazard Area Length (Along the Roadway) (ft)	1732
Hazard Area Width (Perpendicular to the Slope) (ft)	228
Critical Section - Distance from BMP (ft)	180
Critical Section - Base Height (ft)	2
Slope Base Elevation (ft)	2
Slope Height (ft)	165
Rock Cut Slope Height (ft)	47
Soil Cut Slope Height (ft)	1
Natural Slope Height (ft)	117
Rock Cut Elevation	49.00
Soil Cut Elevation	50.00
Natural Slope Elevation	167.00
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	70
Percentage of Backslope as Source Zone	30
Position of Impact	Lane
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	1.70

Average Depth of Undercut Cut Slope (ft)	0.70
Max Thickness of Undercut Cut Slope (ft)	4.00
Average Thickness of Undercut Cut Slope (ft)	2.10
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	26.00
Max Thickness of Undercut Backslope (ft)	38.00
Percentage of Undercutting	35
Percentage of Raveling	60
Talus Buildup	Yes
Talus Buildup Height (ft)	8
Talus Buildup Width (ft)	10
Max Block Shape	Cylindrical
Max Block Dimension X (ft)	57.00
Max Block Dimension Y (ft)	15.00
Max Block Dimension Z (ft)	16.00
Max Block Size (cu ft)	13680.00
Average Block Shape	Spherical
Average Block Dimension X (ft)	2.50
Average Block Dimension Y (ft)	5.75
Average Block Dimension Z (ft)	3.25
Average Block Size (cu ft)	46.72
Debris Dimension X (ft)	58.00
Debris Dimension Y (ft)	16.00
Debris Dimension Z (ft)	17.00
Debris Volume (cu yd)	584.30
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	60
Max Extent Impact Width (ft)	60
Vegetation Growth Cut Slope %	40
Vegetation Growth Natural Backslope %	65
Groundwater Present	Yes

Surface Water Present	No
Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	1.50
Catchment Width (ft)	13.50
Catchment Effectiveness % (Based on GB-3)	54
Bottom of Catchment	Rock Debris
Talus Accumulation of Catchment %	75%
ASD - Actual Sight Distance (ft)	666
PDSD - Percentage Decision Sight Distance	76
Accident Due to Geohazard	No
Degree of Change	Yes
Inspection Comments	Catchment dimensions and angles vary along slope. Critical section has a shallower foreslope catchment angle and depth. EMP moved slightly north to end at the BMP of RS00004383. (02/04/2025) ODOT requested reinspection of site due to a rockfall event at the critical section that occurred on 02/06/25. Upon our reinspection it was observed that the drainage ditch had been partially cleared of debris however soil and debris still remain in the catchment. This debris and soil impedes drainage. Due to this the resulting catchment angles are shallower and the catchment overall is less effective at the critical section.
Inspection Date	2/12/2025
Remediation Effectiveness	
Differential Weathering Score	10
Discontinuity Role Score	0
Block Size/Volume Score	81
Rock Slope Height Score	81
Catchment/Containment Score	81
Exposure Risk Score	71
PDSD Score	5
Rockfall History Score	3
Accident Due to Geohazard Score	0
created_user	ablume
created_date	2/12/2025 5:06 PM
last_edited_user	ablume
last_edited_date	2/12/2025 7:33 PM
sys_updated_date	7/8/2026 10:59 AM