

Inspection Date: 2/12/2025

Probability of Rockfall Occurrence	Moderate (4)
Probability of Rockfall Reaching Traffic Lane	Moderate (4)
Tier Determination Score	8
Tier	Tier 2
Remediation	Non-remediated
Emergency Determination	No
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	307
Hazard Area BMP	17.94
Hazard Area BMP Elevation (ft)	643
Hazard Area EMP	18.18
Hazard Area EMP Elevation (ft)	653
Hazard Area Length (Along the Roadway) (ft)	1513
Hazard Area Width (Perpendicular to the Slope) (ft)	171
Critical Section - Distance from BMP (ft)	710
Critical Section - Base Height (ft)	5
Slope Base Elevation (ft)	5
Slope Height (ft)	140
Rock Cut Slope Height (ft)	25
Soil Cut Slope Height (ft)	0
Natural Slope Height (ft)	115
Rock Cut Elevation	30.00
Soil Cut Elevation	30.00
Natural Slope Elevation	145.00
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	90
Percentage of Backslope as Source Zone	10
Position of Impact	
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	2.00

Average Depth of Undercut Cut Slope (ft)	0.50
Max Thickness of Undercut Cut Slope (ft)	2.00
Average Thickness of Undercut Cut Slope (ft)	1.00
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	15.00
Max Thickness of Undercut Backslope (ft)	50.00
Percentage of Undercutting	30
Percentage of Raveling	30
Talus Buildup	Yes
Talus Buildup Height (ft)	
Talus Buildup Width (ft)	
Max Block Shape	Discoidal
Max Block Dimension X (ft)	8.00
Max Block Dimension Y (ft)	25.00
Max Block Dimension Z (ft)	6.00
Max Block Size (cu ft)	1200.00
Average Block Shape	Discoidal
Average Block Dimension X (ft)	2.00
Average Block Dimension Y (ft)	3.00
Average Block Dimension Z (ft)	2.00
Average Block Size (cu ft)	12.00
Debris Dimension X (ft)	10.00
Debris Dimension Y (ft)	26.00
Debris Dimension Z (ft)	8.00
Debris Volume (cu yd)	77.04
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	
Max Extent Impact Width (ft)	
Vegetation Growth Cut Slope %	60
Vegetation Growth Natural Backslope %	30
Groundwater Present	Yes

Surface Water Present	Precipitation
Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	2.25
Catchment Width (ft)	12.00
Catchment Effectiveness % (Based on GB-3)	80
Bottom of Catchment	Soil
Talus Accumulation of Catchment %	
ASD - Actual Sight Distance (ft)	700
PDSD - Percentage Decision Sight Distance	80
Accident Due to Geohazard	No
Degree of Change	Yes
Inspection Comments	ODOT requested reinspection of this site due to a recent rockfall event in the area. Probability of rockfall occurrence increased from low to moderate due to observed debris along slope and in catchment. This increase in probability of rockfall occurrence increases the overall tier of the site from Tier 1 to Tier 2. Backslope appears to be stable however the cutslope is potentially unstable. EMP moved due to the extension of RS00003954 and now shares the same location as the BMP for RS00003954.
Inspection Date	2/12/2025
Remediation Effectiveness	
Differential Weathering Score	12
Discontinuity Role Score	81
Block Size/Volume Score	81
Rock Slope Height Score	81
Catchment/Containment Score	14
Exposure Risk Score	29
PDSD Score	4
Rockfall History Score	3
Accident Due to Geohazard Score	0
created_user	ablume
created_date	2/12/2025 12:09 PM
last_edited_user	ablume
last_edited_date	2/12/2025 1:29 PM
sys_updated_date	7/8/2026 10:59 AM