

Inspection Date: 2/11/2025

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	236
Hazard Area BMP	18.92
Hazard Area BMP Elevation (ft)	604
Hazard Area EMP	19.05
Hazard Area EMP Elevation (ft)	589
Hazard Area Length (Along the Roadway) (ft)	642
Hazard Area Width (Perpendicular to the Slope) (ft)	240
Critical Section - Distance from BMP (ft)	40

Critical Section - Base Height (ft)	4
Slope Base Elevation (ft)	4
Slope Height (ft)	170
Rock Cut Slope Height (ft)	25
Soil Cut Slope Height (ft)	2
Natural Slope Height (ft)	143
Rock Cut Elevation	29.00
Soil Cut Elevation	31.00
Natural Slope Elevation	174.00
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	60
Percentage of Backslope as Source Zone	40
Position of Impact	Shoulder
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	0.50
Average Depth of Undercut Cut Slope (ft)	0.25
Max Thickness of Undercut Cut Slope (ft)	1.50

Average Thickness of Undercut Cut Slope (ft)	0.50
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	9.00
Max Thickness of Undercut Backslope (ft)	15.00
Percentage of Undercutting	15
Percentage of Raveling	20
Talus Buildup	Yes
Talus Buildup Height (ft)	5
Talus Buildup Width (ft)	21
Max Block Shape	Cylindrical
Max Block Dimension X (ft)	18.00
Max Block Dimension Y (ft)	21.00
Max Block Dimension Z (ft)	19.00
Max Block Size (cu ft)	7182.00
Average Block Shape	Spherical
Average Block Dimension X (ft)	4.00
Average Block Dimension Y (ft)	3.00
Average Block Dimension Z (ft)	2.00
Average Block Size (cu ft)	24.00

Debris Dimension X (ft)	19.00
Debris Dimension Y (ft)	22.00
Debris Dimension Z (ft)	20.00
Debris Volume (cu yd)	309.63
Weathering Condition	Moderate
General Slope Performance	Stable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	
Max Extent Impact Width (ft)	
Vegetation Growth Cut Slope %	65
Vegetation Growth Natural Backslope %	55
Groundwater Present	Yes
Surface Water Present	No
Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	2.50
Catchment Width (ft)	14.00
Catchment Effectiveness % (Based on GB-3)	93
Bottom of Catchment	Soil

Talus Accumulation of
Catchment %

ASD - Actual Sight Distance (ft) 540

PDSD - Percentage Decision
Sight Distance 62

Accident Due to Geohazard No

Degree of Change No

Inspection Comments ODOT requested reinspection due to a recent rockfall event in the area. Drainage ditch beginning to fill with organic debris around section 19.074 which may impede water from draining.

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Remediation Effectiveness

Differential Weathering Score 0

Discontinuity Role Score 27

Block Size/Volume Score 81

Rock Slope Height Score 81

Catchment/Containment Score 19

Exposure Risk Score 0

PDSD Score 25

Rockfall History Score 3

Accident Due to Geohazard
Score 0

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