

Inspection Date: 2/12/2025

Probability of Rockfall Occurrence	High (8)
Probability of Rockfall Reaching Traffic Lane	High (8)
Tier Determination Score	16
Tier	Tier 3
Remediation	Non-remediated
Emergency Determination	No
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	337
Hazard Area BMP	18.29
Hazard Area BMP Elevation (ft)	653
Hazard Area EMP	19.05
Hazard Area EMP Elevation (ft)	640
Hazard Area Length (Along the Roadway) (ft)	935
Hazard Area Width (Perpendicular to the Slope) (ft)	185
Critical Section - Distance from BMP (ft)	720
Critical Section - Base Height (ft)	-12
Slope Base Elevation (ft)	-12
Slope Height (ft)	108
Rock Cut Slope Height (ft)	32
Soil Cut Slope Height (ft)	0
Natural Slope Height (ft)	76
Rock Cut Elevation	20.00
Soil Cut Elevation	20.00
Natural Slope Elevation	96.00
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	80
Percentage of Backslope as Source Zone	20
Position of Impact	Shoulder
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)	6.00
Average Thickness of Undercut Cut Slope (ft)	2.00
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	28.00
Max Thickness of Undercut Backslope (ft)	25.00
Percentage of Undercutting	35
Percentage of Raveling	10
Talus Buildup	Yes
Talus Buildup Height (ft)	7
Talus Buildup Width (ft)	15
Max Block Shape	Discoidal
Max Block Dimension X (ft)	22.00
Max Block Dimension Y (ft)	61.00
Max Block Dimension Z (ft)	25.00
Max Block Size (cu ft)	33550.00
Average Block Shape	Discoidal
Average Block Dimension X (ft)	3.00
Average Block Dimension Y (ft)	4.00
Average Block Dimension Z (ft)	3.00
Average Block Size (cu ft)	36.00
Debris Dimension X (ft)	45.00
Debris Dimension Y (ft)	5.00
Debris Dimension Z (ft)	4.00
Debris Volume (cu yd)	33.33
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	50
Max Extent Impact Width (ft)	35
Vegetation Growth Cut Slope %	55
Vegetation Growth Natural Backslope %	60
Groundwater Present	Yes
Surface Water Present	Precipitation

Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	2.00
Catchment Width (ft)	13.00
Catchment Effectiveness % (Based on GB-3)	86
Bottom of Catchment	Soil
Talus Accumulation of Catchment %	25%
ASD - Actual Sight Distance (ft)	400
PDSD - Percentage Decision Sight Distance	46
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 moderate to high due to fresh exposures and erosion of shale allowing overlying sandstone to dislodge. Drainage ditch beginning to be impeded by the slope in several areas. BMP extended to include additional sandstone blocks at a high risk of falling observed on slope.
Inspection Date	2/12/2025
Remediation Effectiveness	
Differential Weathering Score	12
Discontinuity Role Score	81
Block Size/Volume Score	81
Rock Slope Height Score	53
Catchment/Containment Score	17
Exposure Risk Score	8
PDSD Score	81
Rockfall History Score	3
Accident Due to Geohazard Score	0
created_user	ablume
created_date	2/12/2025 10:43 AM
last_edited_user	ablume
last_edited_date	2/12/2025 1:20 PM
sys_updated_date	7/8/2026 10:59 AM