

Inspection Date: 2/3/2025

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	219
Hazard Area BMP	17.29
Hazard Area BMP Elevation (ft)	630
Hazard Area EMP	18.29
Hazard Area EMP Elevation (ft)	643
Hazard Area Length (Along the Roadway) (ft)	1310
Hazard Area Width (Perpendicular to the Slope) (ft)	228
Critical Section - Distance from BMP (ft)	977
Critical Section - Base Height (ft)	6
Slope Base Elevation (ft)	6
Slope Height (ft)	165
Rock Cut Slope Height (ft)	25
Soil Cut Slope Height (ft)	0
Natural Slope Height (ft)	140
Rock Cut Elevation	31.00
Soil Cut Elevation	31.00
Natural Slope Elevation	171.00
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	Lane
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	3.25
Average Depth of Undercut Cut Slope (ft)	0.75
Max Thickness of Undercut Cut Slope (ft)	10.00

Average Thickness of Undercut Cut Slope (ft)	4.00
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	26.00
Max Thickness of Undercut Backslope (ft)	38.00
Percentage of Undercutting	50
Percentage of Raveling	45
Talus Buildup	Yes
Talus Buildup Height (ft)	4
Talus Buildup Width (ft)	10
Max Block Shape	Discoidal
Max Block Dimension X (ft)	10.00
Max Block Dimension Y (ft)	24.00
Max Block Dimension Z (ft)	10.00
Max Block Size (cu ft)	2400.00
Average Block Shape	Spherical
Average Block Dimension X (ft)	2.50
Average Block Dimension Y (ft)	6.00
Average Block Dimension Z (ft)	3.25
Average Block Size (cu ft)	48.75
Debris Dimension X (ft)	13.00
Debris Dimension Y (ft)	25.00
Debris Dimension Z (ft)	11.00
Debris Volume (cu yd)	132.41
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	30
Max Extent Impact Width (ft)	28
Vegetation Growth Cut Slope %	35
Vegetation Growth Natural Backslope %	60
Groundwater Present	Yes
Surface Water Present	No
Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	2.50
Catchment Width (ft)	15.00
Catchment Effectiveness % (Based on GB-3)	100

Bottom of Catchment	Soil
Talus Accumulation of Catchment %	25%
ASD - Actual Sight Distance (ft)	650
PDS - Percentage Decision Sight Distance	75
Accident Due to Geohazard	No
Degree of Change	Yes
Inspection Comments	Organic debris building up in catchment. Probability of rockfall occurrence increased from moderate to high due to adverse jointing and undercut depth/thickness of the cutslope.
Inspection Date	2/3/2025
Remediation Effectiveness	
Differential Weathering Score	35
Discontinuity Role Score	0
Block Size/Volume Score	81
Rock Slope Height Score	81
Catchment/Containment Score	0
Exposure Risk Score	12
PDS Score	6
Rockfall History Score	3
Accident Due to Geohazard Score	0
created_user	ablume
created_date	2/3/2025 3:59 PM
last_edited_user	ablume
last_edited_date	2/3/2025 5:00 PM
sys_updated_date	7/8/2026 10:59 AM