

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	350
Hazard Area BMP	18.42
Hazard Area BMP Elevation (ft)	640
Hazard Area EMP	18.92
Hazard Area EMP Elevation (ft)	605
Hazard Area Length (Along the Roadway) (ft)	2524
Hazard Area Width (Perpendicular to the Slope) (ft)	262
Critical Section - Distance from BMP (ft)	2160
Critical Section - Base Height (ft)	26
Slope Base Elevation (ft)	26
Slope Height (ft)	175
Rock Cut Slope Height (ft)	40
Soil Cut Slope Height (ft)	0
Natural Slope Height (ft)	135
Rock Cut Elevation	66.00
Soil Cut Elevation	66.00
Natural Slope Elevation	201.00
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	40
Percentage of Backslope as Source Zone	20
Position of Impact	Lane
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	2.50
Average Depth of Undercut Cut Slope (ft)	0.75

Max Thickness of Undercut Cut Slope (ft)	10.50
Average Thickness of Undercut Cut Slope (ft)	4.00
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	18.00
Max Thickness of Undercut Backslope (ft)	40.00
Percentage of Undercutting	40
Percentage of Raveling	35
Talus Buildup	Yes
Talus Buildup Height (ft)	4
Talus Buildup Width (ft)	14
Max Block Shape	Spherical
Max Block Dimension X (ft)	19.50
Max Block Dimension Y (ft)	21.00
Max Block Dimension Z (ft)	20.00
Max Block Size (cu ft)	8190.00
Average Block Shape	Discoidal
Average Block Dimension X (ft)	2.00
Average Block Dimension Y (ft)	2.00
Average Block Dimension Z (ft)	2.00
Average Block Size (cu ft)	8.00
Debris Dimension X (ft)	22.00
Debris Dimension Y (ft)	22.00
Debris Dimension Z (ft)	10.00
Debris Volume (cu yd)	179.26
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	25
Max Extent Impact Width (ft)	25
Vegetation Growth Cut Slope %	40
Vegetation Growth Natural Backslope %	45
Groundwater Present	Yes
Surface Water Present	No
Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	3.00
Catchment Width (ft)	14.00

Catchment Effectiveness % (Based on GB-3)	100
Bottom of Catchment	Soil
Talus Accumulation of Catchment %	25%
ASD - Actual Sight Distance (ft)	650
PDSD - Percentage Decision Sight Distance	75
Accident Due to Geohazard	No
Degree of Change	Yes
Inspection Comments	Position of impact changes from shoulder to lane due to rock debris being present in the roadway at the time of inspection. Previous inspection labeled the catchment as concrete however only a 240 foot stretch of concrete exists approximately 450 feet from the BMP.
Inspection Date	2/3/2025
Remediation Effectiveness	
Differential Weathering Score	16
Discontinuity Role Score	81
Block Size/Volume Score	81
Rock Slope Height Score	81
Catchment/Containment Score	0
Exposure Risk Score	81
PDSD Score	6
Rockfall History Score	3
Accident Due to Geohazard Score	0
created_user	ablume
created_date	2/3/2025 1:30 PM
last_edited_user	ablume
last_edited_date	2/3/2025 4:16 PM
sys_updated_date	7/8/2026 10:59 AM