

Inspection Date: 2/4/2025

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	218
Hazard Area BMP	17.05
Hazard Area BMP Elevation (ft)	607
Hazard Area EMP	17.29
Hazard Area EMP Elevation (ft)	630
Hazard Area Length (Along the Roadway) (ft)	900
Hazard Area Width (Perpendicular to the Slope) (ft)	264
Critical Section - Distance from BMP (ft)	76
Critical Section - Base Height (ft)	0
Slope Base Elevation (ft)	0
Slope Height (ft)	140
Rock Cut Slope Height (ft)	10
Soil Cut Slope Height (ft)	10
Natural Slope Height (ft)	120
Rock Cut Elevation	10.00
Soil Cut Elevation	20.00
Natural Slope Elevation	140.00
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)	1.50

Average Depth of Undercut Cut Slope (ft)	0.50
Max Thickness of Undercut Cut Slope (ft)	7.00
Average Thickness of Undercut Cut Slope (ft)	2.50
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	3.00
Max Thickness of Undercut Backslope (ft)	6.00
Percentage of Undercutting	20
Percentage of Raveling	20
Talus Buildup	Yes
Talus Buildup Height (ft)	
Talus Buildup Width (ft)	
Max Block Shape	Discoidal
Max Block Dimension X (ft)	6.00
Max Block Dimension Y (ft)	15.00
Max Block Dimension Z (ft)	5.00
Max Block Size (cu ft)	450.00
Average Block Shape	Discoidal
Average Block Dimension X (ft)	1.00
Average Block Dimension Y (ft)	2.00
Average Block Dimension Z (ft)	1.50
Average Block Size (cu ft)	3.00
Debris Dimension X (ft)	7.00
Debris Dimension Y (ft)	16.00
Debris Dimension Z (ft)	6.00
Debris Volume (cu yd)	24.89
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 %	50
Vegetation Growth Natural Backslope %	70
Groundwater Present	Yes
Surface Water Present	Yes

Hydrology Comments	Water ponding in drainage ditch
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	2.25
Catchment Width (ft)	12.00
Catchment Effectiveness % (Based on GB-3)	100
Bottom of Catchment	Soil
Talus Accumulation of Catchment %	25%
ASD - Actual Sight Distance (ft)	620
PDS - Percentage Decision Sight Distance	71
Accident Due to Geohazard	No
Degree of Change	No
Inspection Comments	EMP moved to encompass the entirety of the rock cut slope. Section of catchment near the EMP is constructed of concrete however the majority of the catchment consists of soil. Probability of rockfall reaching the traffic lane decreased from high to moderate due to benching on the slope and an adequate catchment for debris from the cutslope and a minimal amount of debris observed resting on the backslope.
Inspection Date	2/4/2025
Remediation Effectiveness	
Differential Weathering Score	8
Discontinuity Role Score	27
Block Size/Volume Score	81
Rock Slope Height Score	81
Catchment/Containment Score	0
Exposure Risk Score	8
PDS Score	9
Rockfall History Score	3
Accident Due to Geohazard Score	0
created_user	ablume
created_date	2/4/2025 1:45 PM
last_edited_user	ablume
last_edited_date	2/4/2025 2:41 PM
sys_updated_date	7/8/2026 10:59 AM