

Inspection Date: 2/8/2022

Probability of Rockfall Occurrence	Moderate (4)
Probability of Rockfall Reaching Traffic Lane	High (8)
Tier Determination Score	12
Tier	Tier 3
Remediation	Non-remediated
Emergency Determination	
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	193
Hazard Area BMP	18.29
Hazard Area BMP Elevation (ft)	653
Hazard Area EMP	19.05
Hazard Area EMP Elevation (ft)	649
Hazard Area Length (Along the Roadway) (ft)	690
Hazard Area Width (Perpendicular to the Slope) (ft)	187
Critical Section - Distance from BMP (ft)	31
Critical Section - Base Height (ft)	-34
Slope Base Elevation (ft)	-34
Slope Height (ft)	170
Rock Cut Slope Height (ft)	170
Soil Cut Slope Height (ft)	0
Natural Slope Height (ft)	0
Rock Cut Elevation	136.00
Soil Cut Elevation	136.00
Natural Slope Elevation	136.00
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	75
Percentage of Backslope as Source Zone	60
Position of Impact	Lane
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	0.30
Average Depth of Undercut Cut Slope (ft)	0.20
Max Thickness of Undercut Cut Slope (ft)	6.00
Average Thickness of Undercut Cut Slope (ft)	3.00
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	17.00
Max Thickness of Undercut Backslope (ft)	19.00
Percentage of Undercutting	40
Percentage of Raveling	10

Talus Buildup	Yes
Talus Buildup Height (ft)	
Talus Buildup Width (ft)	
Max Block Shape	Cylindrical
Max Block Dimension X (ft)	61.00
Max Block Dimension Y (ft)	22.00
Max Block Dimension Z (ft)	25.00
Max Block Size (cu ft)	33550.00
Average Block Shape	Spherical
Average Block Dimension X (ft)	7.50
Average Block Dimension Y (ft)	4.20
Average Block Dimension Z (ft)	6.10
Average Block Size (cu ft)	192.15
Debris Dimension X (ft)	7.00
Debris Dimension Y (ft)	2.00
Debris Dimension Z (ft)	4.00
Debris Volume (cu yd)	2.07
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	400
Max Extent Impact Width (ft)	40
Vegetation Growth Cut Slope %	55
Vegetation Growth Natural Backslope %	40
Groundwater Present	
Surface Water Present	
Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	2.10
Catchment Width (ft)	13.60
Catchment Effectiveness % (Based on GB-3)	90
Bottom of Catchment	Soil
Talus Accumulation of Catchment %	
ASD - Actual Sight Distance (ft)	
PDSD - Percentage Decision Sight Distance	
Accident Due to Geohazard	No
Degree of Change	No
Inspection Comments	
Inspection Date	2/8/2022
Remediation Effectiveness	

Differential Weathering Score	0
Discontinuity Role Score	81
Block Size/Volume Score	81
Rock Slope Height Score	0
Catchment/Containment Score	21
Exposure Risk Score	7
PDSD Score	
Rockfall History Score	3
Accident Due to Geohazard Score	0
created_user	ashelter
created_date	2/8/2022 4:30 PM
last_edited_user	ashelter
last_edited_date	2/8/2022 4:34 PM
sys_updated_date	7/8/2026 10:59 AM