

Inspection Date: 2/9/2022

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	
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	343
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)	3876
Hazard Area Width (Perpendicular to the Slope) (ft)	262
Critical Section - Distance from BMP (ft)	14
Critical Section - Base Height (ft)	-9
Slope Base Elevation (ft)	-9
Slope Height (ft)	175
Rock Cut Slope Height (ft)	174
Soil Cut Slope Height (ft)	1
Natural Slope Height (ft)	
Rock Cut Elevation	165.00
Soil Cut Elevation	166.00
Natural Slope Elevation	
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	70
Percentage of Backslope as Source Zone	70
Position of Impact	Shoulder
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	2.50
Average Depth of Undercut Cut Slope (ft)	0.80
Max Thickness of Undercut Cut Slope (ft)	10.50
Average Thickness of Undercut Cut Slope (ft)	2.50
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	18.00
Max Thickness of Undercut Backslope (ft)	14.00
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)	21.00
Max Block Dimension Y (ft)	19.50
Max Block Dimension Z (ft)	20.00
Max Block Size (cu ft)	8190.00
Average Block Shape	Cylindrical
Average Block Dimension X (ft)	2.00
Average Block Dimension Y (ft)	2.00
Average Block Dimension Z (ft)	1.80
Average Block Size (cu ft)	7.20
Debris Dimension X (ft)	3.00
Debris Dimension Y (ft)	8.00
Debris Dimension Z (ft)	4.00
Debris Volume (cu yd)	3.56
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	21
Max Extent Impact Width (ft)	7
Vegetation Growth Cut Slope %	55
Vegetation Growth Natural Backslope %	35
Groundwater Present	Yes
Surface Water Present	No
Hydrology Comments	Standing water in catchment
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	Concrete
Talus Accumulation of Catchment %	75%
ASD - Actual Sight Distance (ft)	240
PDSD - Percentage Decision Sight Distance	27
Accident Due to Geohazard	No
Degree of Change	No
Inspection Comments	
Inspection Date	2/9/2022
Remediation Effectiveness	

Differential Weathering Score	16
Discontinuity Role Score	81
Block Size/Volume Score	81
Rock Slope Height Score	
Catchment/Containment Score	0
Exposure Risk Score	81
PDSD Score	81
Rockfall History Score	3
Accident Due to Geohazard Score	0
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last_edited_date	2/9/2022 12:02 PM
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