

Inspection Date: 3/8/2022

Probability of Rockfall Occurrence	High (8)
Probability of Rockfall Reaching Traffic Lane	Very High (10)
Tier Determination Score	18
Tier	Tier 4
Remediation	Non-remediated
Emergency Determination	
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	343
Hazard Area BMP	17.29
Hazard Area BMP Elevation (ft)	627
Hazard Area EMP	17.65
Hazard Area EMP Elevation (ft)	637
Hazard Area Length (Along the Roadway) (ft)	2127
Hazard Area Width (Perpendicular to the Slope) (ft)	228
Critical Section - Distance from BMP (ft)	1624
Critical Section - Base Height (ft)	4
Slope Base Elevation (ft)	4
Slope Height (ft)	165
Rock Cut Slope Height (ft)	164
Soil Cut Slope Height (ft)	1
Natural Slope Height (ft)	
Rock Cut Elevation	168.00
Soil Cut Elevation	169.00
Natural Slope Elevation	
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)	1.70
Average Depth of Undercut Cut Slope (ft)	0.70
Max Thickness of Undercut Cut Slope (ft)	4.00

Average Thickness of Undercut Cut Slope (ft)	2.10
Undercutting Backslope	Yes
Max Depth of Undercut Backslope (ft)	26.00
Max Thickness of Undercut Backslope (ft)	38.00
Percentage of Undercutting	75
Percentage of Raveling	15
Talus Buildup	Yes
Talus Buildup Height (ft)	4
Talus Buildup Width (ft)	10
Max Block Shape	Cylindrical
Max Block Dimension X (ft)	57.00
Max Block Dimension Y (ft)	15.00
Max Block Dimension Z (ft)	16.00
Max Block Size (cu ft)	13680.00
Average Block Shape	Spherical
Average Block Dimension X (ft)	5.70
Average Block Dimension Y (ft)	2.50
Average Block Dimension Z (ft)	3.20
Average Block Size (cu ft)	45.60
Debris Dimension X (ft)	10.00
Debris Dimension Y (ft)	10.00
Debris Dimension Z (ft)	6.70
Debris Volume (cu yd)	24.81
Weathering Condition	Moderate
General Slope Performance	Potentially Unstable
Exposed Rock	Sandstone
Max Extent Impact Length (ft)	1730
Max Extent Impact Width (ft)	60
Vegetation Growth Cut Slope %	25
Vegetation Growth Natural Backslope %	40
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)	60

Bottom of Catchment	Rock Debris
Talus Accumulation of Catchment %	75%
ASD - Actual Sight Distance (ft)	666
PDSD - Percentage Decision Sight Distance	76
Accident Due to Geohazard	No
Degree of Change	Yes
Inspection Comments	Catchment basins full of debris. New rockfall 2/21/2022 Further failure. Photos updated. Slope is saturated. Material at base is a silty clay. Due to potential of further failure it is recommended the site remain a tier 4 at this time. 3/8/22
Inspection Date	3/8/2022
Remediation Effectiveness	
Differential Weathering Score	10
Discontinuity Role Score	81
Block Size/Volume Score	81
Rock Slope Height Score	
Catchment/Containment Score	81
Exposure Risk Score	81
PDSD Score	5
Rockfall History Score	3
Accident Due to Geohazard Score	0
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last_edited_date	3/15/2022 11:51 AM
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