

Inspection Date: 2/14/2022

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	
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	216
Hazard Area BMP	16.92
Hazard Area BMP Elevation (ft)	602
Hazard Area EMP	17.05
Hazard Area EMP Elevation (ft)	615
Hazard Area Length (Along the Roadway) (ft)	697
Hazard Area Width (Perpendicular to the Slope) (ft)	285
Critical Section - Distance from BMP (ft)	154
Critical Section - Base Height (ft)	3
Slope Base Elevation (ft)	3
Slope Height (ft)	150
Rock Cut Slope Height (ft)	30
Soil Cut Slope Height (ft)	
Natural Slope Height (ft)	120
Rock Cut Elevation	33.00
Soil Cut Elevation	
Natural Slope Elevation	
Cut Slope as Source Zone	Yes
Backslope as Source Zone	Yes
Percentage of Cut Slope as Source Zone	85
Percentage of Backslope as Source Zone	45
Position of Impact	Ditch
Undercutting Cut Slope	Yes
Max Depth of Undercut Cut Slope (ft)	2.50
Average Depth of Undercut Cut Slope (ft)	0.30
Max Thickness of Undercut Cut Slope (ft)	7.00
Average Thickness of Undercut Cut Slope (ft)	2.00
Undercutting Backslope	No
Max Depth of Undercut Backslope (ft)	
Max Thickness of Undercut Backslope (ft)	
Percentage of Undercutting	15
Percentage of Raveling	20

Talus Buildup	No
Talus Buildup Height (ft)	
Talus Buildup Width (ft)	
Max Block Shape	Discoidal
Max Block Dimension X (ft)	15.00
Max Block Dimension Y (ft)	6.00
Max Block Dimension Z (ft)	7.00
Max Block Size (cu ft)	630.00
Average Block Shape	Discoidal
Average Block Dimension X (ft)	3.00
Average Block Dimension Y (ft)	2.00
Average Block Dimension Z (ft)	1.50
Average Block Size (cu ft)	9.00
Debris Dimension X (ft)	7.00
Debris Dimension Y (ft)	2.00
Debris Dimension Z (ft)	5.00
Debris Volume (cu yd)	2.59
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 %	5
Vegetation Growth Natural Backslope %	95
Groundwater Present	
Surface Water Present	
Hydrology Comments	
Barrier Present	No
Barrier Functional	
Catchment Depth (ft)	2.10
Catchment Width (ft)	15.50
Catchment Effectiveness % (Based on GB-3)	100
Bottom of Catchment	Concrete
Talus Accumulation of Catchment %	
ASD - Actual Sight Distance (ft)	865
PDSD - Percentage Decision Sight Distance	100
Accident Due to Geohazard	No
Degree of Change	Yes
Inspection Comments	
Inspection Date	2/14/2022
Remediation Effectiveness	

Differential Weathering Score	16
Discontinuity Role Score	27
Block Size/Volume Score	81
Rock Slope Height Score	81
Catchment/Containment Score	0
Exposure Risk Score	7
PDSD Score	0
Rockfall History Score	3
Accident Due to Geohazard Score	0
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