

Inspection Date: 12/8/2019

Probability of Landslide Occurrence	Moderate (2)
Probability of Significant Impact	High (3)
Tier Determination Score	6
Tier	Tier 3
Remediation	Non-remediated
Emergency Determination	
Emergency Declaration Number	
Emergency Declaration Date	
Detailed Rating Score	87
Horizontal Position	Right
Vertical Position	Below
Hazard Area BMP	18.52
Hazard Area BMP Elevation (ft)	
Hazard Area EMP	18.57
Hazard Area EMP Elevation (ft)	
Hazard Area Length (ft)	232
Hazard Area Width (ft)	92
Estimated Slope Height (Toe to Shoulder Distance) (ft)	39
Depth of Sliding Surface (ft)	8
Average Slope Angle	28
Groundwater Present	
Surface Water Present	
Hydraulic Maintenance Issues	
Type of Movement	Slide, Rotational
Unknown Rate of Movement	Yes
Rate of Movement (in/year)	0
Cause of Landslide	Loading, Failure of drainage, Artificial vibrations, Rainfall, Snowmelt, Inadequate long term strength, Other, Ditch likely holding water leading to ground saturation and instability. Weathering of materials, Precipitation, Other, Weak nature of soils / rock Movement is likely the result of weak soils, precipitation, and perhaps poor drainage, as ditch appears to be flat or dipped, and standing water is noted during this inspection. Also heavy truck traffic likely contributing to degradation over time. There is a corresponding upslope slip across the road from this site, though that is mostly a debris slide /

rockfall, as large blocks of sandstone and soil have moved as a result of weak underlying shales and adverse jointing. This debris fall / slide is considered a rockfall issue, and has no evidence of affecting the road as slip movement. (3-25-14). \ Lo- Drill place on slope, on roadway side of guardrail near BMP (4-25-16) Road has been recently patched, no changes to crack/dip measurments...slight reduction actually (11-20-19)

Current and Potential
Impact Beyond Right
of Way

Dip Yes

Vertical Displacement
of Dip (in) 0.00

Crack Yes

Vertical Displacement
of Crack (in) 0.00

Horizontal
Displacement of Crack
(in) 0.00

Earth Debris on
Roadway

Estimated Volume of
Earth Debris on
Roadway (cu yd)

Adjacent
Transportation

Adjacent Utilities

Adjacent Buildings

Adjacent Developed No

Adjacent Undeveloped Yes

Adjacent Agricultural No

ASD - Actual Sight
Distance (ft)

PDS - Percentage
Decision Sight
Distance 0

Accident Due to
Geohazard No

Degree of Change No

Inspection Comments Require observation with perio

Inspection Date 12/8/2019

Remediation
Effectiveness

Remediation Measure

Movement
Location/Impact Score 0

Hazard to Traveling
Public Score 0

Landslide History
Score 3

PDSD Score	0
AADT Score	81
Accident Due to Geohazard Score	3
created_user	COLLECTOR@P31_AG
created_date	12/2/2020
last_edited_user	COLLECTOR@P31_AG
last_edited_date	9/9/2021
sys_updated_date	5/28/2026