

Cedarville Creek

at M-134
CED-2



Upstream



Downstream



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Site I.D.: CED-2

GPS Coordinates: N 45.9997
W 84.34232

Township: Clark

County: Mackinac

Adjacent Landowners: Private

Road Information

Jurisdiction: MDOT

Surface: Paved

Width at Crossing: 42 feet

Maintenance: Year around

Low point: At stream

Drainage Control Features: None

Approach Length: Left: 0.3 mile
Right: 0.5 mile

Slope: Left: 0 percent
Right: 0-5 percent

Ditch/shoulder vegetation: Left: Heavy
Right: Heavy

Average Width of Grade: 75 feet

Runoff Path: Ditch

Stream Characteristics

Average Width: Upstream: 3 feet
Downstream: 3 feet

Average Depth: Upstream: 6 inches
Downstream: 8 inches

Average Current: Upstream: Moderate
Downstream: Moderate

Substrate Type: Upstream: Sand
Downstream: Sand/gravel

Adjacent Wetlands: No

Visible Down Cutting: No

Culvert Information

Culvert Type: Single

Length: 89 feet

Diameter: 3 feet

Material: Concrete

Condition: Good

Culvert Flow: Clear

Fish Passage Problem: No

Fill Depth: Inlet: 4 feet
Outlet: 4 feet

Embankment Slopes: Inlet: >2:1
Outlet: >2:1

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Conditions and Treatment

Erosion Conditions

- Streambank erosion beside crossing

Recommended Treatment

- Stabilize stream bank with vegetation
- Install buffer

Erosion Severity Rating: Moderate (18)

Overall Condition Rating: Minor

Cost: See BMP Cost Tables

Comments: All riparian areas of Cedarville Creek north of and adjacent to M-134 need additional vegetation to stabilize stream banks. Erosion = 100 ft. long x 2 ft high x .05 ft/yr x .055 = .55 tons/yr



Unstable streambank on north side of M-134



Heavy growth of filamentous algae north of M-134