Culvert Assessment Form

CROSSING DATA

For multiple culvert crossings use one sheet per culvert. Go from left to right, standing at inlet looking downstream.

Crossing Code: __________________ Local ID: (Optional) ___________________ Date Observed: (00/00/0000) / / Lead Observer: ___________________

Number of Culverts: _______ Culvert _______ of _______ Stream: ___________________ Road: ___________________

Location: (St., Pole#, Etc.) ___________________ Town: ___________________ County: ___________________ State: ___________________

GPS Coordinates: _______ _______ °N Latitude _______ _______ °W Longitude _______ Time: ___________________ Weather: ___________________

Crossing Type: □ Bridge □ Culvert □ Multiple Culvert □ Ford □ No Crossing □ Removed Crossing □ Buried Stream □ Inaccessible □ Partially Inaccessible □ No Upstream Channel

Culvert Material: □ Metal □ Concrete □ Plastic □ Wood □ Rock/Stone □ Fiberglass □ Combination Length of Culvert: ___________________

INLET

Appurtenance: □ Headwall □ Wingwalls □ Headwall & Wingwalls □ Mitered To Slope □ Projecting □ Flush □ Recessed □ Other □ None

Inlet Shape: □ 1 □ 2 □ 3 □ 4 □ 5 □ 6 □ 7 Inlet Dimensions: A. Width: _______ B. Height: _______ C. Substrate/Water Width: _______ D. Water Depth: _______ E. Abutment Height: _______

Inlet Grade: □ At Stream Grade □ Inlet Drop □ Perched □ Clogged/Collapsed/Submerged □ Unknown

OUTLET

Appurtenance: □ Headwall □ Wingwalls □ Headwall & Wingwalls □ Mitered To Slope □ Projecting □ Flush □ Recessed □ Other □ None

Outlet Shape: □ 1 □ 2 □ 3 □ 4 □ 5 □ 6 □ 7 Outlet Dimensions: A. Width: _______ B. Height: _______ C. Substrate/Water Width: _______ D. Water Depth: _______ E. Abutment Height: _______

Outlet Grade: □ At Stream Grade □ Free Fall □ Cascade □ Free Fall Onto Cascade □ Clogged/Collapsed/Submerged □ Unknown

Please check only one level for each item

INLET

Adequate Poor Critical Unknown N/A

Structural (Longitudinal) Alignment □ □ □ □ □

Channel Alignment □ □ □ □ □

Level of Blockage □ □ □ □ □

Flared End Section □ □ □ □ □

Invert Deterioration □ □ □ □ □

Buoyancy or Crushing □ □ □ □ □

Cross-Section Deformation □ □ □ □ □

Structural Integrity of Barrel □ □ □ □ □

Joints and Seams □ □ □ □ □

Footings □ □ □ □ □

Headwall/Wingwalls □ □ □ □ □

Armoring □ □ □ □ □

Apron □ □ □ □ □

Embankment Piping □ □ □ □ □

OUTLET

Adequate Poor Critical Unknown N/A

Structural (Longitudinal) Alignment □ □ □ □ □

Channel Alignment □ □ □ □ □

Level of Blockage □ □ □ □ □

Flared End Section □ □ □ □ □

Invert Deterioration □ □ □ □ □

Buoyancy or Crushing □ □ □ □ □

Cross-Section Deformation □ □ □ □ □

Structural Integrity of Barrel □ □ □ □ □

Joints and Seams □ □ □ □ □

Footings □ □ □ □ □

Headwall/Wingwalls □ □ □ □ □

Armoring □ □ □ □ □

Apron □ □ □ □ □

Embankment Piping □ □ □ □ □

Performance Problems Requiring Action

Debris/Veg Blockage >1/3 of rise □ Local Outlet Scour □ Embankment Slope Instability □

Sediment Blockage >1/2 the opening □ Previous and/or Frequent Overtopping □ No Access/Ends Totally Buried/Submerged □

Buoyancy or Crushing-Related Inlet Failure □ Embankment Piping □ Aggressive Abrasion/Corrosion/Chemical □

Poor Channel Alignment □ Channel Degradation/Headcut □ Exposed Footing (Open-Bottom Culvert Only) □

Notes: ____________________________

To provide additional feedback on performance problems use the optional second sheet

Photo #: _______ Description: ___________________ Photo #: _______ Description: ___________________

Photo #: _______ Description: ___________________ Photo #: _______ Description: ___________________

Photo #: _______ Description: ___________________ Photo #: _______ Description: ___________________

Photo #: _______ Description: ___________________ Photo #: _______ Description: ___________________