

Field Data Form: Road-Stream Crossing Inventory

Coordinator _____ Crossing ID# _____

Stream/River: _____ Road: _____ Town: _____

Flow condition: ☐ Unusually low ☐ Typical low-flow ☐ Average flow ☐ Higher than average

GPS Coordinates (lat/long):

☐ Decimal degrees N ____ . ____ W ____ . ____

OR ☐ Degrees, minutes, seconds North: D _____ M _____ S _____
West: D _____ M _____ S _____

Date: _____ Location: _____ Observer: _____

Photo IDs:

Road/Railway Characteristics

Road surface: ☐ Paved ☐ Unpaved ☐ Railroad

Road type: ☐ 1-Lane road ☐ 2-Lane road ☐ Multilane road ☐ Divided highway ☐ Railroad

Comments

Crossing/Stream Characteristics *(during generally low-flow conditions)*

Crossing type: ☐ Ford ☐ Bridge ☐ Open bottom arch ☐ Single culvert ☐ Multiple culverts (# _____)
☐ Removed ☐ No crossing ☐ Buried stream

Condition of crossing: ☐ New ☐ Excellent ☐ Fair ☐ Poor

Does the stream at the crossing support fish? ☐ Yes ☐ Not likely ☐ Don't know

Is the stream flowing? ☐ Yes ☐ No

Crossing span: ☐ Severe constriction ☐ Mild constriction ☐ Spans bank to bank ☐ Spans channel & banks

Tailwater Scour pool: ☐ None ☐ Small (wider or deeper than stream) ☐ Large (width or depth 2X stream)

Crossing alignment matches stream? ☐ Yes (flow aligned) ☐ No (skewed)

Comments

Culvert/Bridge Cell Characteristics *(Culvert/cell #1; use page 3 for additional culverts or cells)*

Structure embedded? ☐ Not embedded ☐ Partially embedded ☐ Fully embedded ☐ No Bottom

Structure substrate: ☐ None (smooth) ☐ None (rough/corrugated) ☐ Inappropriate ☐ Contrasting ☐ Comparable

Internal features ☐ None ☐ Slip lined ☐ Baffles/Sills ☐ Weir(s) ☐ Support structures

Physical Barriers to fish and wildlife passage: ☐ Severe ☐ Moderate ☐ Minor ☐ None

Describe any barriers: _____

Is there a clear line of sight through the structure? ☐ Yes ☐ No

Does the structure provide dry passage suitable for use by terrestrial wildlife? ☐ Yes ☐ No

If yes, what is the maximum structure height in the portion that offers dry passage? _____ Feet

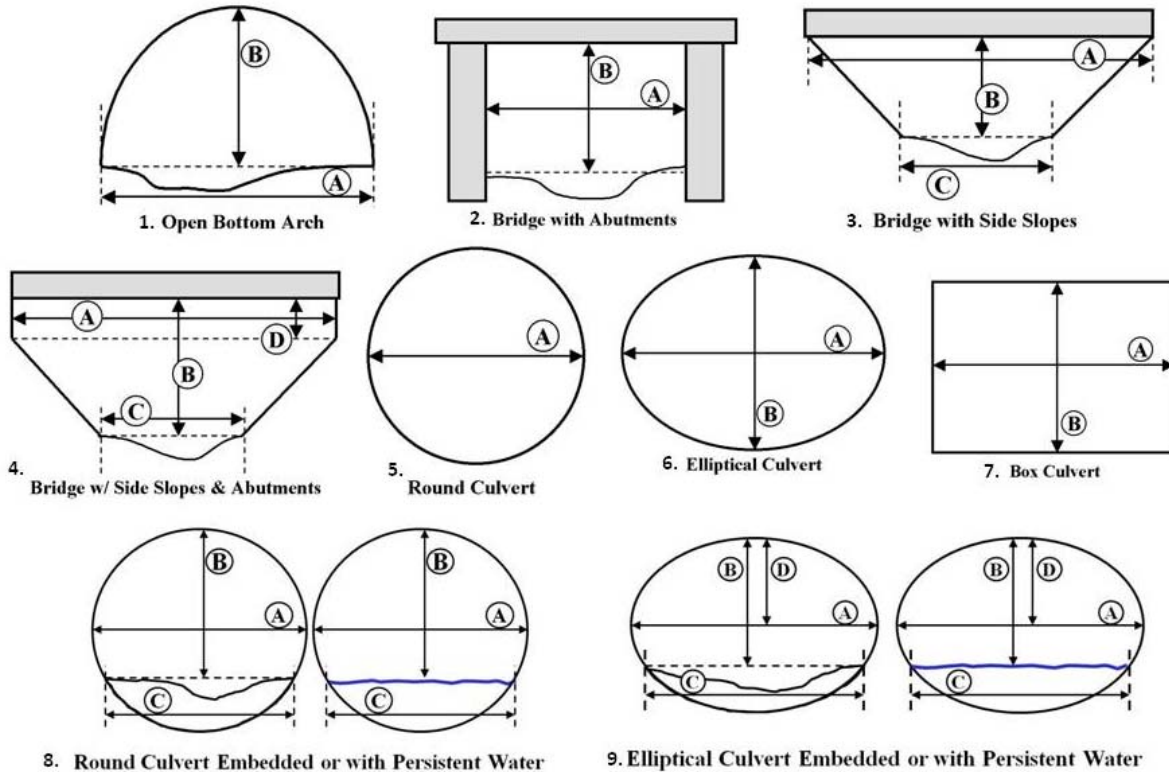
Comments _____

For the following questions use as a reference a portion of the natural stream channel that is outside the influence of the crossing structure and not otherwise altered.

Water depth matches stream? ☐ Yes (comparable) ☐ No (deeper) ☐ No (shallower) ☐ Dry

Water velocity matches stream? ☐ Yes (comparable) ☐ No (slower) ☐ No (faster) ☐ Dry

Structure Slope matches stream? ☐ Yes (comparable) ☐ No (flatter) ☐ No (steeper)



Length of stream through structure: _____ Feet

Inlet Structure Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford ☐ Removed

Inlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ Clogged/Collapsed/Submerged

Inlet Water Depth (max depth inside the structure at the inlet): _____ Inches ☐ Measured ☐ Estimated

Inlet Drop ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

Outlet Structure Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford ☐ Removed

Outlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ Clogged/Collapsed/Submerged

Outlet Water Depth (max depth inside the structure at the outlet): _____ Inches ☐ Measured ☐ Estimated

Outlet Drop

a. Culvert bottom to water surface ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

b. Culvert bottom to stream bed ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

c. With an outlet drop, check one: ☐ Cascade ☐ Freefall ☐ Freefall onto cascade ☐ No drop

Armored streambed at outlet? ☐ Extensive ☐ Not extensive ☐ None

Comments _____

STRUCTURE WORKSHEET FOR MULTIPLE CULVERT OR BRIDGE CELL CROSSINGS**Crossing ID#**

Note: When inventorying multiple culverts or bridge cells, label left culvert/cell #1 and go in increasing order from left to right from downstream end (outlet) looking upstream.

Culvert or Bridge Cell # _____

Culvert/Bridge Cell Characteristics

Structure embedded? ☐ Not embedded ☐ Partially embedded ☐ Fully embedded ☐ No Bottom

Structure substrate: ☐ None (smooth) ☐ None (rough/corrugated) ☐ Inappropriate ☐ Contrasting ☐ Comparable

Internal features ☐ None ☐ Slip lined ☐ Baffles/Sills ☐ Weir(s) ☐ Support structures

Physical Barriers to fish and wildlife passage: ☐ Severe ☐ Moderate ☐ Minor ☐ None

Describe any barriers: _____

Is there a clear line of sight through the structure? ☐ Yes ☐ No

Does the structure provide dry passage suitable for use by terrestrial wildlife? ☐ Yes ☐ No

If yes, what is the maximum structure height in the portion that offers dry passage? _____ Feet

Comments _____

For the following questions use as a reference a portion of the natural stream channel that is outside the influence of the crossing structure and not otherwise altered.

Water depth matches stream? ☐ Yes (comparable) ☐ No (deeper) ☐ No (shallower) ☐ Dry

Water velocity matches stream? ☐ Yes (comparable) ☐ No (slower) ☐ No (faster) ☐ Dry

Structure Slope matches stream? ☐ Yes (comparable) ☐ No (flatter) ☐ No (steeper)

Length of stream through structure: _____ Feet

Inlet Structure Type: ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Inlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ Submerged

Inlet Water Depth (max depth inside the structure at the inlet): _____ Inches ☐ Measured ☐ Estimated

Inlet Drop ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

Outlet Structure Type: ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Outlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ Submerged

Outlet Water Depth (max depth inside the structure at the outlet): _____ Inches ☐ Measured ☐ Estimated

Outlet Drop

a. Culvert bottom to water surface ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

b. Culvert bottom to stream bed ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

c. With an outlet drop, check one: ☐ Cascade ☐ Freefall ☐ Freefall onto cascade ☐ No drop

Armored streambed at outlet? ☐ Extensive ☐ Not extensive ☐ None