

**Field Data Form: Road-Stream Crossing Inventory**

Coordinator _____	Crossing ID# _____
Stream/River: _____	Road: _____
	Town: _____
Flow condition:	<input type="checkbox"/> Unusually low <input type="checkbox"/> Typical low-flow <input type="checkbox"/> Average flow <input type="checkbox"/> 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     Buried stream

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

Crossing type:     Ford     Bridge     Open bottom arch     Single culvert     Multiple culverts (# \_\_\_\_\_)  
 Removed     No crossing

Condition of crossing:     New     Excellent     Fair     PoorDoes the stream at the crossing support fish?     Yes     Not likely     Don't knowIs the stream flowing?     Yes     NoCrossing span:     Severe constriction     Mild constriction     Spans bank to bank     Spans channel & banksTailwater Scour pool:     None     Small (wider or deeper than stream)     Large (width or depth 2X stream)Crossing alignment matches stream?     Yes (flow aligned)     No (skewed)**Culvert/Bridge Cell Characteristics** *(Culvert/cell #1; use page 3 for additional culverts or cells)*Structure embedded?     Not embedded     Partially embedded     Fully embedded     No BottomStructure substrate:     None (smooth)     None (rough/corrugated)     Inappropriate     Contrasting     ComparableInternal features     None     Slip lined     Baffles/Sills     Weir(s)     Support structuresPhysical Barriers to fish and wildlife passage:     Severe     Moderate     Minor     None

Describe any barriers: \_\_\_\_\_

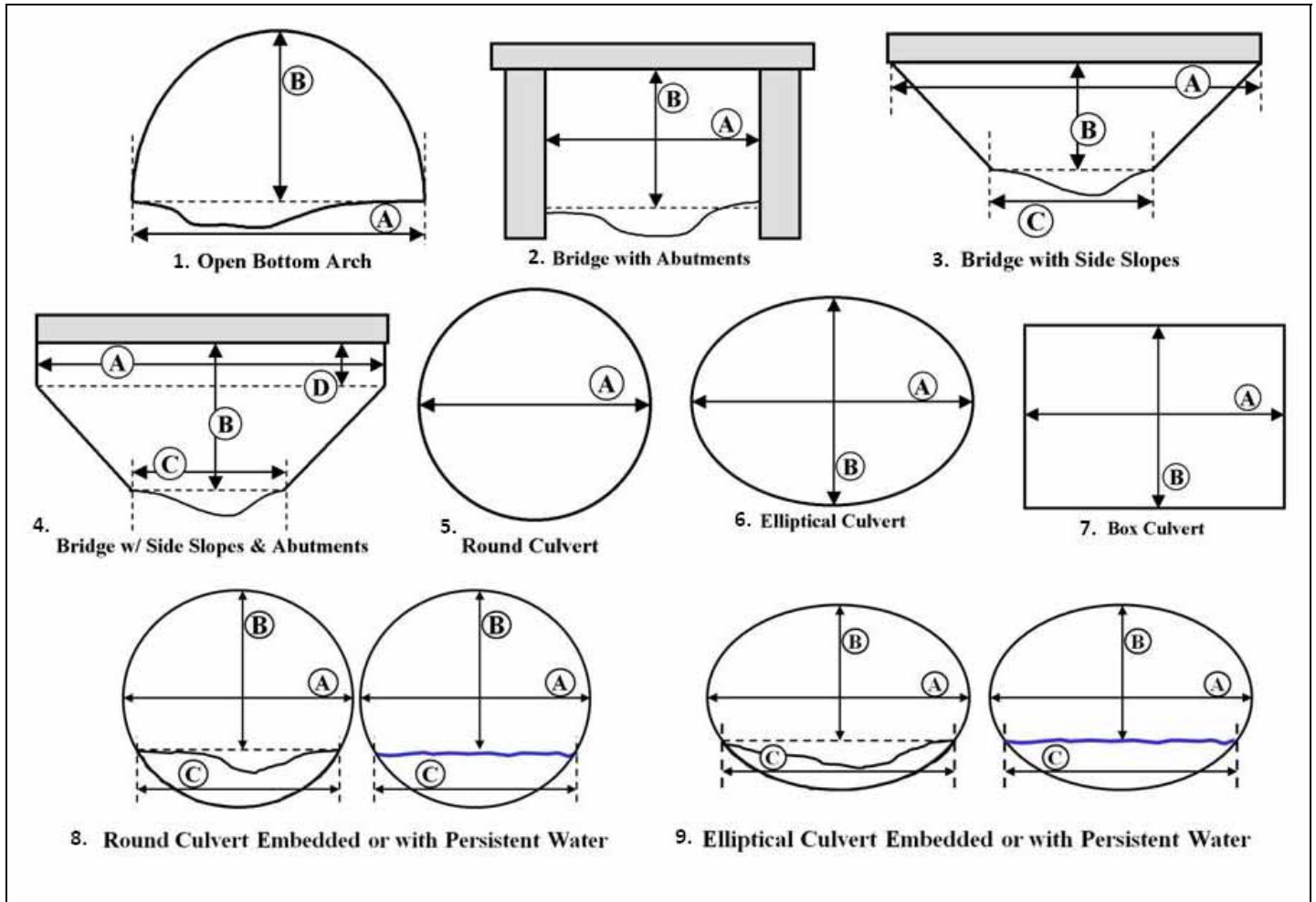
Is there a clear line of sight through the structure?     Yes     NoDoes the structure provide dry passage suitable for use by terrestrial wildlife?     Yes     No

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)     DryWater velocity matches stream?     Yes (comparable)     No (slower)     No (faster)     DryCrossing Slope matches stream?     Yes (comparable)     No (flatter)     No (steeper)



Length of stream through crossing: \_\_\_\_\_ Feet

Inlet Structure Type (from above):  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 (from above):  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

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
- Crossing Slope matches stream?**       Yes (comparable)       No (flatter)       No (steeper)

**Length of stream through crossing:** \_\_\_\_\_ 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