

# 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  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  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)

### 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)



**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