

Field Data Form: Road-Stream Crossing Inventory

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|--------------------|---------------------|
| Coordinator | Crossing ID# |
|--------------------|---------------------|

Date: _____ Stream/River: _____ Road: _____ Town: _____

Location: _____ GPS Coordinates (lat/long): _____

Observer: _____ Phone #: _____ Email address: _____

Photo IDs: _____

Road/Railway Characteristics

1. # of Travel Lanes: _____ Shoulder/ Breakdown lanes: Yes No Road Surface: Paved Unpaved RR

2. Are any of the following conditions present that would significantly inhibit wildlife crossing over the road?

High traffic volume (> 50 cars per minute) Yes No

Steep embankments Yes No

Retaining walls Yes No

Jersey barriers Yes No

Fencing Yes No

Other (specify) _____

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

3. Crossing Type: Ford Bridge Open Bottom Arch Single Culvert Multiple culverts (# of culverts) _____

4. Condition of crossing: Good Fair Collapsing Eroding Rusted through Broken

5. Does the stream at the crossing contain fish? Yes No Don't know

6. Is the stream flowing (in the natural channel)? Yes No

7. Flow conditions during the survey are:
 unusually low typical low-flow average flow higher than average

8. Are any of the following problems present?

Inlet drop No <6" ≥ 6"

Outlet perch No <6" ≥ 6"

Flow contraction Yes No

9. Tailwater armoring: Extensive Not Extensive None

10. Tailwater scour pool: Large Small None

11. Physical barriers to fish and wildlife passage: Permanent Temporary None

Describe any barriers: _____

12. Crossing Embedded? Not embedded Partially embedded Fully embedded < 1' Fully embedded > 1'

13. Crossing substrate: None Inappropriate (large rip rap, concrete) Contrasting Comparable

14. Water depth matches that of the stream? Yes (comparable) No (significantly different)

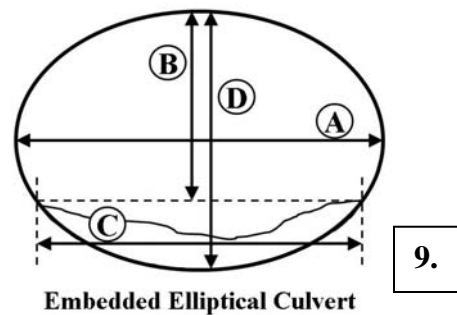
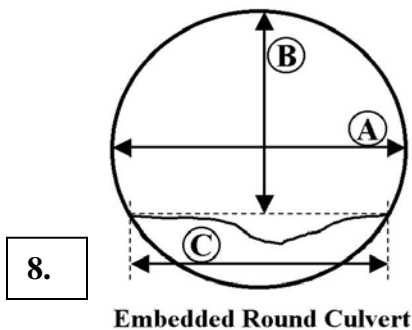
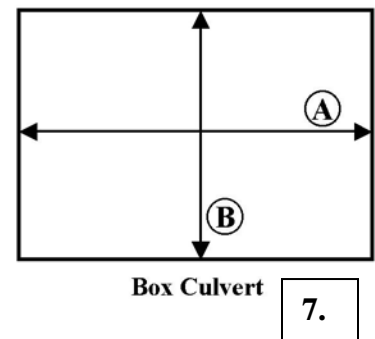
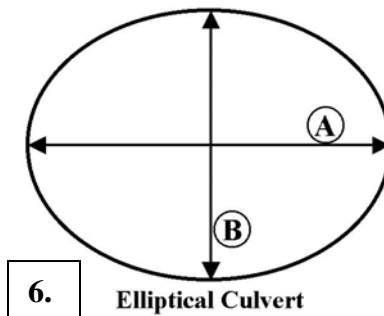
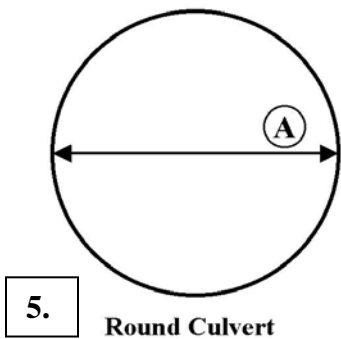
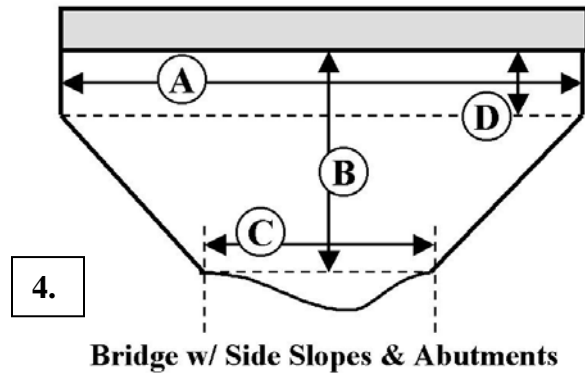
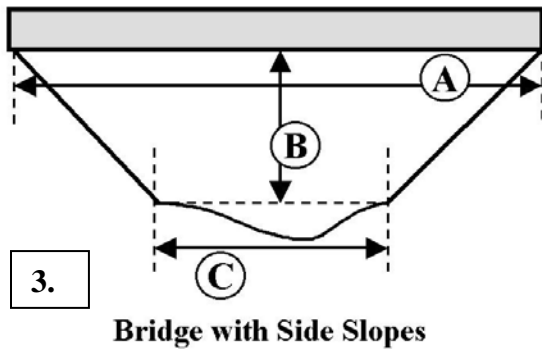
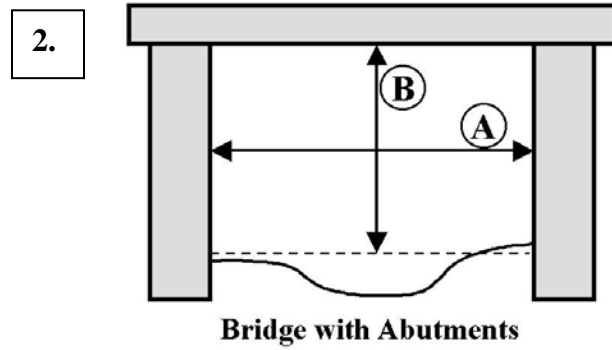
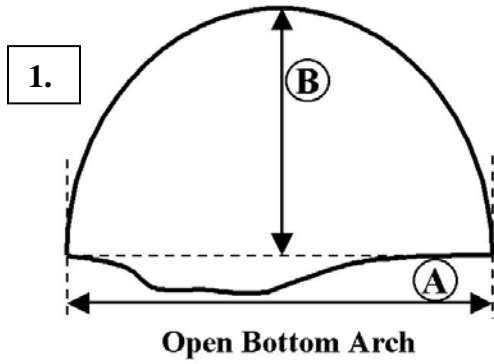
15. Water velocity matches that of the stream? Yes (comparable) No (significantly different)

16. Crossing span: Constricts channel Spans active channel Spans bankfull width Spans channel & banks

17. Minimum structure height at low water (from water level to the roof inside the structure) > 6 ft. 4-6 ft. < 4 ft.

18. Comments _____

CROSSING DIMENSIONS



Crossing Type (from above): 1. 2. 3. 4. 5. 6. 7. 8. 9. Ford

Upstream Dimensions (ft or m): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft or m): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft or m): _____

DIMENSIONS WORKSHEET FOR MULTIPLE CULVERT CROSSINGS

Crossing ID# _____

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

Number of Culverts or Bridge Cells _____

Culvert or Bridge Cell 2 of _____

Crossing Type (from above): 1. 2. 3. 4. 5. 6. 7. 8. 9. Ford

Upstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft/m): _____

Culvert or Bridge Cell 3 of _____

Crossing Type (from above): 1. 2. 3. 4. 5. 6. 7. 8. 9. Ford

Upstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft/m): _____

Culvert or Bridge Cell 4 of _____

Crossing Type (from above): 1. 2. 3. 4. 5. 6. 7. 8. 9. Ford

Upstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft/m): _____

Culvert or Bridge Cell 5 of _____

Crossing Type (from above): 1. 2. 3. 4. 5. 6. 7. 8. 9. Ford

Upstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft/m): _____

Culvert or Bridge Cell 6 of _____

Crossing Type (from above): 1. 2. 3. 4. 5. 6. 7. 8. 9. Ford

Upstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft/m): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft/m): _____