

Structure ID		Road Name			
Observers		Stream name			
Date and Time		Number of travel lanes		Structure material: concrete plastic-corrugated plastic-smooth tank stone steel-corrugated steel-smooth aluminum-corrugated other (describe)	
Town		Number of shoulder lanes		Headwall material: concrete, metal, stone	
Location		Road surface paved unpaved			
Lat		Road type trail railroad			
Long		Reference bankfull widths (ft)			
Flow conditions are: unusually low typical low flow higher than average flood conditions					
# of culverts at crossing		Overflow pipe(s) yes no		Structure skewed to roadway yes no	
Crossing type ford bridge open bottom arch single culvert multiple culverts (# or culverts)					
Condition of crossing: New Old Collapsing eroding rusted					
General					
Floodplain filled by roadway approaches: Entirely Partially not significant					
Structure located at a significant break in valley slope: yes no unsure					
Culvert slope as compared with the channel slope is: higher lower about the same					
Water depth in the crossing matches that of the stream? Yes No (significantly deeper) No (significantly shallower)					
Water velocity in crossing matches that of stream? Yes No (significantly faster) No (significantly slower)					
Upstream					
Structure opening partially obstructed by: wood sediment wood and sediment deformation of culvert none					
Steep riffle present immediately upstream of structure: yes no					
If channel avulses: stream will: cross road follow road cross and follow road unsure					
Estimated distance avulsion would follow road: (feet)					
Angle of stream flow approaching structure: sharp bend mild bend naturally straight channelized straight					
Evidence of streambed erosion or aggradation immediately upstream of culvert: erosion aggradation none					
Culvert inlet: at grade cascade free fall					
Upstream Bankfull widths (feet)					
Downstream					
Water depth in culvert (at outlet): (0.0 feet)					
Culvert outlet at grade cascade free fall backwatered ft Stepped footers yes no					
Outlet drop (invert to water surface) (0.0 feet) Pool present immediately downstream of structure: yes no					
Pool depth at point of streamflow entry: (0.0 feet) Maximum pool depth: (0.0 feet)					
Downstream bank heights are substantially higher than upstream bank heights: yes no					
Hydraulic control type: bedrock boulders cobble gravel sand wood other:					
Distance from downstream end of culvert to hydraulic control: (feet)					
Evidence of streambed erosion or aggradation immediately downstream of culvert: erosion aggradation none					
Downstream Bankfull widths (feet)					
		Upstream		Downstream	
Dominant bed material at structure		1 2 3 4 5 UNK bedrock present: Y N		1 2 3 4 5 UNK bedrock present: Y N	
If substrate is present in the structure, how deep is it?		< 1 foot 1-2 feet >2feet UNK		1 2 3 4 5 UNK sediment throughout: Y N	
Bedrock present in channel at structure? yes no		Material throughout? yes no			
Sediment deposit types		none delta side point mid-channel		none delta side point mid-channel	
Elevation of sediment deposits is greater than or equal to 1/2 bankful elevation		yes no		yes no	
Beaver dam near structure Distance from structure to dam		yes no distance: feet intact rafter none		yes no distance: feet intact rafter none	
Hard bank armoring		unknown		unknown	
Bank erosion		high low none		high low none	
Streambank scour causing undermining around/under structure		none culvert footer wing walls		none culvert footer wing walls	
Wildlife Data		LEFT		RIGHT	
(left/right bank determined facing downstream)					
Dominant vegetation type					
Does a band or shrub/forest vegetation that is at least 50ft wide start within 25ft of structure and extends 500ft or more up/downstream?		yes no		yes no	
Road-killed wildlife w/in 1/4 mile of structure		species:		none	
Wildlife sign and species observed near (up/downstream) and inside structure		Outside structure		Inside structure	
		species sign		species sign	

Spatial data collected w/GPS yes no		
Photos taken : yes no		
Photo filename	Photo view	Description of features in photo

Site sketch

Looking upstream into culvert

Looking downstream into culvert

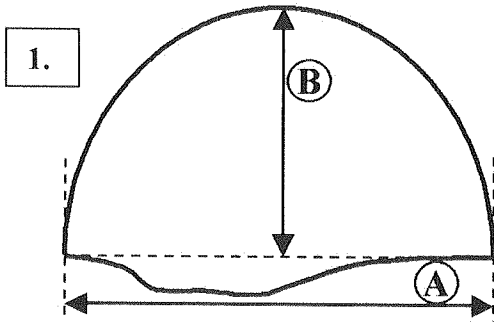
Site comments:

Upstream

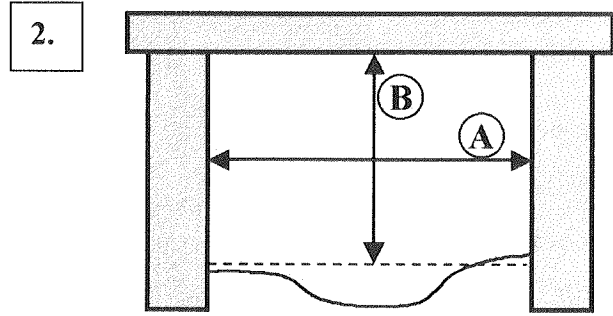
Flow



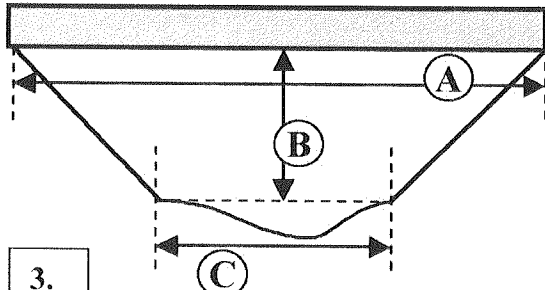
Downstream



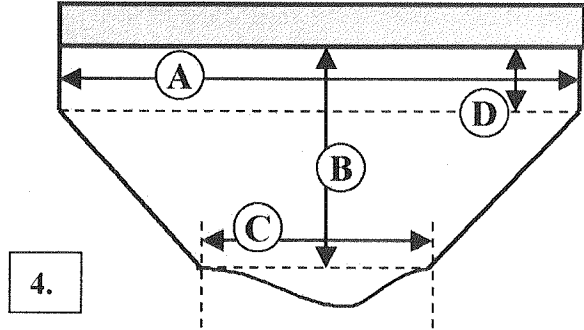
Open Bottom Arch



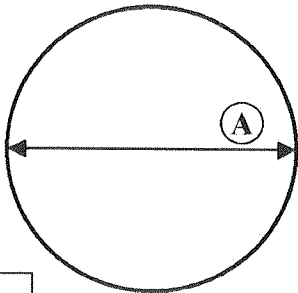
Bridge with Abutments



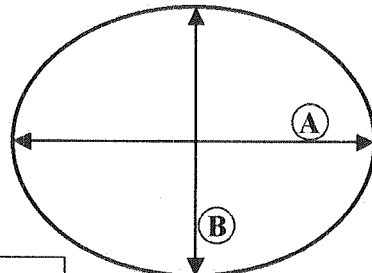
Bridge with Side Slopes



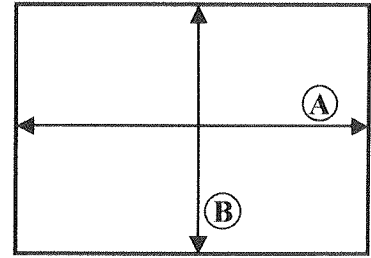
Bridge w/ Side Slopes & Abutments



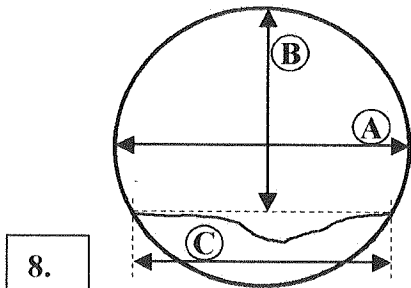
Round Culvert



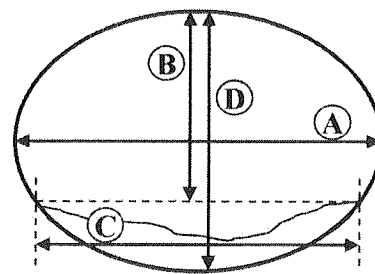
Elliptical Culvert



Box Culvert



Embedded Round Culvert



Embedded Elliptical Culvert

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

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____ Crossing slope (%) _____

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.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____ **Crossing slope (%):** _____

Culvert or Bridge Cell 3 of _____

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

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____ **Crossing slope (%):** _____

Culvert or Bridge Cell 4 of _____

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

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____ **Crossing slope (%):** _____

Culvert or Bridge Cell 5 of _____

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

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____ **Crossing slope (%):** _____

Culvert or Bridge Cell 6 of _____

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

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

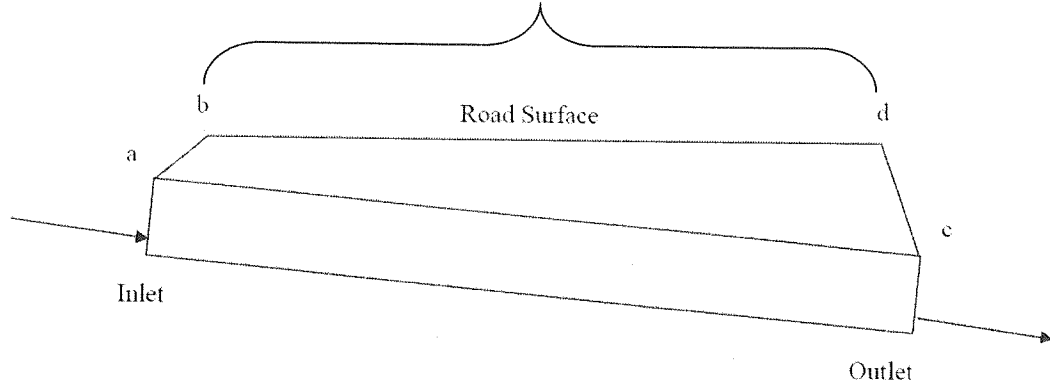
Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____ **Crossing slope (%):** _____

Field Data Form: Road-Stream Crossing Inventory

Culvert/Road Elevations (ft.): A) _____ B) _____ C) _____ D) _____

Road + Shoulder Width (RW) = _____ feet



Field Data Form: Road-Stream Crossing Inventory

Culvert/Road Elevations (ft.): A) _____ B) _____ C) _____ D) _____

Road + Shoulder Width (RW) = _____ feet

