Municipal Supplemental Worksheet
Sizing & Setting Bridges, Arches and Culverts

General Information			
Stream Name		**Road Name**	
Name of Applicant		**Date**	

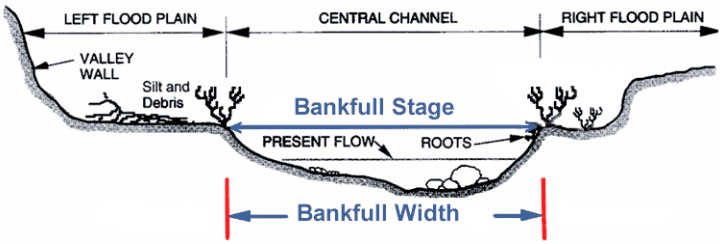
Road Information			
Road width @ culvert (ft)		**Location of low point:** At stream or other	**Runoff Path:** Roadway or ditch
Embankment Upstream fill depth (ft):		**Vertical Slope**: 1.5:1 2:1 >2:1	
Embankment Downstream fill depth (ft):		**Vertical Slope**: 1.5:1 2:1 >2:1	

Current Crossing Information					
Crossing type: Culvert(s) (indicate how many) Bridge Ford Dam Other:					
Substrate in structure: None Sand Gravel Rock Mixture					
Structure Length (ft):		**Structure Width (ft):**		**Structure Height (ft):**	
Structure Water Depth	**@ Inlet:**		**@ Outlet:**	**Perch Height (ft):**	

Riffle Information		
Water Depth(ft):	**Bankfull Width (ft):**	**Wetted Width (ft):**
Dominant Substrate:	Cobble Gravel Sand Organics Clay Bedrock Silt	

Survey Data (not necessary for bridges) - Measured linearly through the deepest part of the channel extending approximately 300 ft upstream and down of the crossing.			
Invert elevation upstream (ft):	**Water elevation @ upstream invert (ft):**	**Invert elevation Downstream (ft):**	**Water elevation @ Downstream invert (ft):**

Upstream Survey Data	**10 feet**	**20 feet**	**30 feet**	**40 feet**	**50 feet**	**60 feet**	**70 feet**	**80 feet**	**90 feet**	**100 feet**
Streambed Elevations:										
Water Surface Elevations:										

Downstream Survey Data	**10 feet**	**20 feet**	**30 feet**	**40 feet**	**50 feet**	**60 feet**	**70 feet**	**80 feet**	**90 feet**	**100 feet**
Streambed Elevations:										
Water Surface Elevations:										

Summary			
Bankfull Width (ft):	**Proposed Structure Width (ft):**	**Proposed Invert Elevation (ft):**	**Proposed Invert Elevation Downstream (ft):**