





## FIRST LEVEL INSPECTION FORM – BRIDGE





What's your name and what time did you start the inspection?

	1) INSPECTION DATE:		2) INSPECTION TIME:	
	3) INSPECTOR's NAME:		4) RAINFALL LAST 24hours:	<input type="radio"/> None <input type="radio"/> Intermittent rain <input type="radio"/> Steady rain <input type="radio"/> Heavy rain <input type="radio"/> I don't know



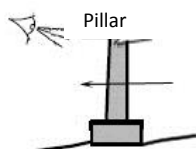
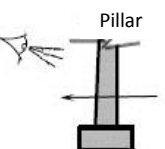
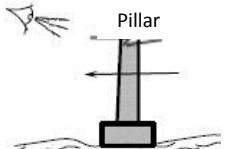
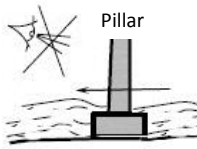
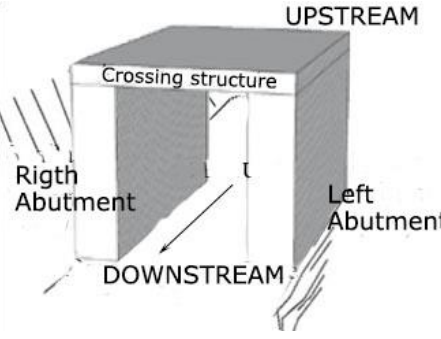


Are you inspecting the right structure? (Use data provided by your coordinator)

	1) STRUCTURE's ID		2) DENOMINATION or LOCATION: Use two reference points, e.g. Crossing Street X with stream Y.	
3) TYPE		4) NUMBER OF OPENING OR SPANS	5) USE	
<input type="radio"/> Culvert  <input type="radio"/> Bridge  <input type="radio"/> Could not be answered <input type="radio"/> I don't know		<input type="radio"/> 1 span <input type="radio"/> 2 spans <input type="radio"/> 3 spans <input type="radio"/> More spans <input type="radio"/> Could not be answered <input type="radio"/> I don't know	<input type="radio"/> Highway (SS-SP) <input type="radio"/> Municipal paved road <input type="radio"/> Municipal non-paved road <input type="radio"/> Pedestrian walkway <input type="radio"/> Other: _____ <input type="radio"/> Could not be answered <input type="radio"/> I don't know	

How safe were the conditions to carry out the inspection?

	1) HOW EASY WAS TO REACH THE STRUCTURE?  #: _____				<input type="radio"/> Could not be answered <input type="radio"/> I don't know
<input type="radio"/>	1. It's next to the road. Assessable from the road.	<input type="radio"/>	2. Accessible by car on a forest road or by foot.	<input type="radio"/>	3. Accessible only by foot.
<input type="radio"/>	4. The access to the structure requires the removal of trees or overcoming obstacles.			<input type="radio"/>	5. It's too dangerous to reach the site.
	2) HOW IS THE STREAM DURING THE INSPECTION?  #: _____				
Stream water:	<input type="radio"/> No (dry) <input type="radio"/> Yes, it's ponding <input type="radio"/> Yes, it's flowing <input type="radio"/> Could not be answered <input type="radio"/> I don't know	Stream water flows:	<input type="radio"/> Clear and transparent <input type="radio"/> Transporting mainly fine material <input type="radio"/> Transporting wood and other material <input type="radio"/> Could not be answered <input type="radio"/> I don't know	Rainfall conditions during the inspection:	<input type="radio"/> None <input type="radio"/> Intermittent rain <input type="radio"/> Steady rain <input type="radio"/> Heavy rain <input type="radio"/> Could not be answered <input type="radio"/> I don't know
				Snow presence:	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Could not be answered <input type="radio"/> I don't know

Could you rate the following aspects regarding the functionality of the structure?

	A) CONDITION OF THE STRUCTURE	
1) IS THERE EROSION AT THE BASIS OF THE PILLAR OR ALONG THE ABUTMENTS?  #: _____		
 <input type="radio"/> No <input type="radio"/> Does not apply (culvert)	 <input type="radio"/> Yes, erosion at the basis of the Pillar or along the abutment <input type="checkbox"/> RIGHT abutment <input type="checkbox"/> LEFT abutment <input type="checkbox"/> Pillar	 <input type="radio"/> Yes, there is water that flow under the eroded zone <input type="checkbox"/> RIGHT abutment <input type="checkbox"/> LEFT abutment <input type="checkbox"/> Pillar
 <input type="radio"/> Could not be answered <input type="radio"/> I don't know		 UPSTREAM Crossing structure Right Abutment Left Abutment DOWNSTREAM
2) IS THERE ANY NATURAL JUMP EXCAVATED BY THE STREAM OF AT LEAST 1 METER DEPTH?  #: _____		3) IS THERE ANY OTHER DAMAGE AT THE BASIS OF THE STRUCTURE? (e.g. missing parts):  #: _____
<input type="radio"/> No <input type="radio"/> Yes <input type="checkbox"/> Upstream <input type="checkbox"/> Downstream <input type="checkbox"/> In correspondence with the structure	<input type="radio"/> Could not be answered <input type="radio"/> I don't know	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Could not be answered <input type="radio"/> I don't know
How much has excavated? (m): _____ <input type="radio"/> Measured <input type="radio"/> Estimated <input type="radio"/> To measure		Comments: _____ _____ _____

<b>B) LEVEL OF OBSTRUCTION AT THE STREAM CHANNEL AND STRUCTURE'S LOCATION:</b>						
<b>Obstruction of wood, sediments or other waste</b>						
<b>1) UPSTREAM</b> #: _____	<input type="radio"/> 1. No obstruction	<input type="radio"/> 2. <20%	<input type="radio"/> 3. 20-40%	<input type="radio"/> 4. 40-60% with deviation of the flow	<input type="radio"/> 5. > 60% or buried by sediment	<input type="radio"/> Could not be answered <input type="radio"/> I don't know
<b>2) DOWNSTREAM</b> #: _____	<input type="radio"/> 1. No obstruction	<input type="radio"/> 2. <20%	<input type="radio"/> 3. 20-40%	<input type="radio"/> 4. 40-60% with deviation of the flow	<input type="radio"/> 5. > 60% or buried by sediment	<input type="radio"/> Could not be answered <input type="radio"/> I don't know
<b>3) Is there any island with vegetation (shrub) or other man-made structures that reduce the opening section for the flow?</b> #: _____			<b>4) What is the height of the structure from the lowest point of the stream?</b> #: _____			
<input type="radio"/> No <input type="radio"/> Could not be answered <input type="radio"/> I don't know <input type="radio"/> Yes, <b>Comments:</b> (e.g. pipes or elements attached to the structure) _____			If yes, where? <input type="checkbox"/> Upstream <input type="checkbox"/> Downstream <input type="checkbox"/> In correspondence			
			Maximum height: _____ (m) <input type="radio"/> Measured <input type="radio"/> Estimated <input type="radio"/> To measure			

<b>C) LEVEL OF EROSION OF THE BANK WITHIN 20 meters UPSTREAM AND DOWNSTREAM OF THE STRUCTURE?</b> Use the scale to assess the erosion level with reference to the worst case in each section of the bank.					
<b>1. Minimum erosion</b> Structural elements are in good status "in order" or continuous presence of vegetation in the bank.	<b>2.</b> Elements with slight erosion or slight irregularities in the vegetation of the bank.	<b>3.</b> Elements with visible erosion or visible irregularities in the vegetation of the bank.	<b>4.</b> Parts are eroded by the stream flow with an opening below the protection of the bank.	<b>5. Maximum erosion</b> Parts are missing, there us an important drift. Bank without vegetative protection.	

<b>1) LEFT BANK 20m UPSTREAM</b> #: _____	<b>2) RIGHT BANK 20 m UPSTREAM</b> #: _____	Mark on the scheme where the erosion level is equal or larger than 3.														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <b>Presence of walls or protection works</b>  <input type="radio"/> No  <input type="radio"/> ≤ Less 20m.  <input type="radio"/> &gt; More than 20m.  <input type="radio"/> Could not be answered  <input type="radio"/> I don't know         </td> <td style="width: 50%; padding: 5px;"> <b>Erosion level in the bank</b>  <table style="width: 100%; text-align: center;"> <tr> <td><input type="radio"/> 1.</td> <td><input type="radio"/> 2.</td> <td><input type="radio"/> 3.</td> <td><input type="radio"/> 4.</td> <td><input type="radio"/> 5.</td> </tr> </table> <input type="radio"/> Could not be answered  <input type="radio"/> I don't know         </td> </tr> </table>	<b>Presence of walls or protection works</b> <input type="radio"/> No <input type="radio"/> ≤ Less 20m. <input type="radio"/> > More than 20m. <input type="radio"/> Could not be answered <input type="radio"/> I don't know	<b>Erosion level in the bank</b> <table style="width: 100%; text-align: center;"> <tr> <td><input type="radio"/> 1.</td> <td><input type="radio"/> 2.</td> <td><input type="radio"/> 3.</td> <td><input type="radio"/> 4.</td> <td><input type="radio"/> 5.</td> </tr> </table> <input type="radio"/> Could not be answered <input type="radio"/> I don't know	<input type="radio"/> 1.	<input type="radio"/> 2.	<input type="radio"/> 3.	<input type="radio"/> 4.	<input type="radio"/> 5.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <b>Presence of walls or protection works</b>  <input type="radio"/> No  <input type="radio"/> ≤ Less 20m.  <input type="radio"/> &gt; More than 20m.  <input type="radio"/> Could not be answered  <input type="radio"/> I don't know         </td> <td style="width: 50%; padding: 5px;"> <b>Erosion level in the bank</b>  <table style="width: 100%; text-align: center;"> <tr> <td><input type="radio"/> 1.</td> <td><input type="radio"/> 2.</td> <td><input type="radio"/> 3.</td> <td><input type="radio"/> 4.</td> <td><input type="radio"/> 5.</td> </tr> </table> <input type="radio"/> Could not be answered  <input type="radio"/> I don't know         </td> </tr> </table>	<b>Presence of walls or protection works</b> <input type="radio"/> No <input type="radio"/> ≤ Less 20m. <input type="radio"/> > More than 20m. <input type="radio"/> Could not be answered <input type="radio"/> I don't know	<b>Erosion level in the bank</b> <table style="width: 100%; text-align: center;"> <tr> <td><input type="radio"/> 1.</td> <td><input type="radio"/> 2.</td> <td><input type="radio"/> 3.</td> <td><input type="radio"/> 4.</td> <td><input type="radio"/> 5.</td> </tr> </table> <input type="radio"/> Could not be answered <input type="radio"/> I don't know	<input type="radio"/> 1.	<input type="radio"/> 2.	<input type="radio"/> 3.	<input type="radio"/> 4.	<input type="radio"/> 5.	<div style="text-align: center;">             Meters    UPSTREAM    Meters  </div>
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<input type="radio"/> 1.	<input type="radio"/> 2.	<input type="radio"/> 3.	<input type="radio"/> 4.	<input type="radio"/> 5.												
<b>3) LEFT BANK 20m DOWNSTREAM</b> #: _____	<b>4) RIGHT BANK 20m DOWNSTREAM</b> #: _____	<div style="text-align: center;">             Meters    DOWNSTREAM    Meters  </div>														
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<b>Is there any anthropic element within the same control distance?</b>					
Presence within 20m distance from the stream:	<b>1) 20m UPSTREAM</b>		<b>2) 20m DOWNSTREAM</b>		<b>Comments:</b> Infrastructure details
	Left	Right	Left	Right	
Road infrastructure	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	
Buildings	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	

<b>Could an ordinary intervention with volunteers of CP improve the functionality of the structure?</b> <b>Comments:</b> _____	<input type="radio"/> Could not be answered <input type="radio"/> I don't know
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<input type="radio"/> No action is required	<input type="radio"/> Requires routine cleaning of blockages by hand (maximum with 10 volunteers)	<input type="radio"/> Requires cleaning with equipment support.	<input type="radio"/> Other action than cleaning is required (Need for a second level inspection)
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