HFN Forestry EMS – *Bridge (structure) Inspection Form*

Date:		**ITS #:**
Unit:	Operating Area:	Structure #:
Road Name:	Road Station:	Location (GPS):

Site Description (existing information - complete once)

Stream					
Name:	Classification:		Gradient (%): *Upstream*:	*Downstream*:	
Transport Potential:	High ☐		Moderate ☐	Low ☐	
Bank Composition:	Rock ☐		Boulders/Gravel ☐	Sands/Silts ☐	
Bank Structure:	Canyon ☐		Gully ☐	Flood Plain ☐	
Structure					
Type:	Bridge ☐	Major Culvert ☐	Engineered Pipe ☐	Arch ☐	Retaining Wall ☐
Date Built:	Design Life (yr.):		Load limit (tonnes): *Design*:	*Current*:	
Use Type:	Permanent ☐		Temporary ☐		

Materials:	Wood (treated)	Timber	Logs	Steel	Cement	Concrete Blocks	Gravel depth
crib							
stringers							
ties							
deck							(m)
pilings							

Span (stringers)(m):	Crib (ht.)(m):	Width (m):	Clearance to 1 yr. HWM (m):

Inspection Results

Conformance:	**Yes**	**No**	**N/A**
Approaches:			
1. Stable (no erosion, no settling, no holes)			
2. Signs in place (delineator, warning, load restriction)			
3. Visibility good (no brush)			
4. Guarding in place (logs, berms)			
5. Sediment control effective (existing, serviced)			
Cribs & Footings:			
6. Sound (rot, breaks, damaged, cracks)			
7. Stable (no holes, tied back, no erosion, no under-mining)			
8. Rip-rap adequate (sufficient, effective)			

Conformance:	**Yes**	**No**	**N/A**
Stringers & Arches:			
9. Sound (rot, breaks, damaged, rust, dents, holes) (see below)			
10. Anchoring appropriate (notched, drilled & pinned)			
11. Lashing or Joints in good condition (not loose, not broken)			
12. Size / Clearance (Q 100)			
Decks & Surfaces:			
13. Sound (rot, breaks, holes, cracks, loose)			
14. Rails & guards in good condition (broken, missing, not containing)			
15. Geo-fabric in place (sufficient)			

Stringer decay measurements (cm) (when applicable):

# (#1 = upstream side)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Stringer Diam.															
Rot Diam.															

Inspected by:

Additional Comments:

Date of Next Inspection:	P. Eng. needed (Y/N):	Load rating needed (Y/N):

Supervisor Review (sign-off) :

#	**Action Item:**	**Responsibility:**	**Due Date:**

Instructions: This form is to be used whenever a formal inspection of bridges and other engineered structures is carried out. Inspections are to be carried out at a minimum once per three years except for structures with structural components made of wood for which it is once per two years. Inspections are also to be done after major natural events**. The person doing the inspection forwards the completed form to the supervisor accountable for sign-off.** Once reviewed and signed-off, the supervisor accountable forwards the inspection form to the person responsible for records and documentation. The *Incident Tracking System* (ITS) is used to track the results of the inspection. GENUS is used to plan the next inspection.