



Routine Condition Culvert Inspection Form

| GENERAL INFORMATION                                                                                                          |                                       |                                                                                                     |                                                                   | (enter either long/lat or UTM below- not both)                    |  |  |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|--|--|
| *Site #: CK-2163                                                                                                             | *Crossing Name:                       | *Type/Class: <input type="checkbox"/> Major Culvert<br><input type="checkbox"/> Woodbox/Log Culvert | *Project File ID# 8466                                            |                                                                   |  |  |
| *Structure #:                                                                                                                |                                       |                                                                                                     | *Br. 01                                                           |                                                                   |  |  |
| *FSR Name: Lost                                                                                                              | *Forest District: Dck                 | *Kilometres: 1.1 km                                                                                 | User km: 1.0 km                                                   |                                                                   |  |  |
| Longitude: (ddd / mm / ss.s) 122 13 43.6                                                                                     | OR                                    | UTM Zone                                                                                            | UTM Easting                                                       | UTM Northing                                                      |  |  |
| Latitude: (ddd / mm / ss.s) 49 17 16.8                                                                                       | ±4m                                   |                                                                                                     |                                                                   |                                                                   |  |  |
| LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl., UR = Unrated |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| Item                                                                                                                         | Present Condition (circle or fill-in) |                                                                                                     | Comments (a comment is mandatory if condition "Poor" is selected) |                                                                   |  |  |
| Alignment                                                                                                                    | E <u>G</u> F P UR                     |                                                                                                     |                                                                   |                                                                   |  |  |
| Bridge Ahead Signs Missing                                                                                                   | 0 1 <u>2</u>                          |                                                                                                     | Not Required                                                      |                                                                   |  |  |
| Brushing Required                                                                                                            | <u>Yes</u> No                         |                                                                                                     | minor                                                             |                                                                   |  |  |
| Delineator Missing Left                                                                                                      | 0 1 <u>2</u>                          |                                                                                                     | NA                                                                |                                                                   |  |  |
| Delineator Missing Right                                                                                                     | 0 1 <u>2</u>                          |                                                                                                     | NA                                                                |                                                                   |  |  |
| Fender Condition                                                                                                             | E G F P <u>None</u> UR                |                                                                                                     |                                                                   |                                                                   |  |  |
| Posted Load Rating                                                                                                           | ____ (tonnes) or <u>None</u>          |                                                                                                     |                                                                   |                                                                   |  |  |
| Road Surface                                                                                                                 | E G F <u>P</u> UR                     |                                                                                                     | fill failing on D/s road                                          |                                                                   |  |  |
| GENERAL CULVERT ITEMS                                                                                                        |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| Item                                                                                                                         | Present Condition (circle)            |                                                                                                     | Comments (a comment is mandatory if condition "Poor" is selected) |                                                                   |  |  |
| Baffles (N/A to woodbox/log culvert)                                                                                         | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Bolted Connections (N/A to woodbox/log culvert)                                                                              | E G F P <u>N/A</u> UR                 |                                                                                                     | } 1 piece CSP.s                                                   |                                                                   |  |  |
| Coupled Connections (N/A to woodbox/log culvert)                                                                             | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Coating (N/A to woodbox/log culvert)                                                                                         | E G <u>F</u> P N/A UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Embedment Materials (N/A to woodbox/log culvert)                                                                             | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Fill                                                                                                                         | E <u>G</u> F <u>P</u> UR              |                                                                                                     | failing @ D/s (1.5m @ inlet, 1.8m @ outlet)                       |                                                                   |  |  |
| Roof                                                                                                                         | E <u>G</u> <u>F</u> P UR              |                                                                                                     | damage due to settling log @ outlet                               |                                                                   |  |  |
| Side Walls                                                                                                                   | E G <u>F</u> P UR                     |                                                                                                     | damage due to settling log @ outlet                               |                                                                   |  |  |
| Floor                                                                                                                        | E G <u>F</u> P N/A UR                 |                                                                                                     | some rust                                                         |                                                                   |  |  |
| Head Walls                                                                                                                   | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Wing Walls                                                                                                                   | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Inlet                                                                                                                        | E G <u>F</u> P UR                     |                                                                                                     |                                                                   |                                                                   |  |  |
| Outlet                                                                                                                       | E G <u>F</u> P UR                     |                                                                                                     | 1.0m plunge pool on town csp.                                     |                                                                   |  |  |
| Overall                                                                                                                      | E G <u>F</u> <u>P</u> UR              |                                                                                                     | due to town culvert damage, settling fill                         |                                                                   |  |  |
| Riprap                                                                                                                       | E G <u>F</u> P N/A UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Trash Rack                                                                                                                   | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Weirs/Backwater Structures                                                                                                   | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| Footing (N/A to woodbox/log culvert)                                                                                         | E G F P <u>N/A</u> UR                 |                                                                                                     |                                                                   |                                                                   |  |  |
| LOG CULVERTS ONLY                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| Stringer #                                                                                                                   | Stringer Rot Depth (mm)               | Diameter (mm)                                                                                       | Stringer Species                                                  | Comments (a comment is mandatory if condition "Poor" is selected) |  |  |
| 1                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 2                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 3                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 4                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 5                                                                                                                            |                                       |                                                                                                     |                                                                   | Twin 800mm CSPs.                                                  |  |  |
| 6                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 7                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 8                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 9                                                                                                                            |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 10                                                                                                                           |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 11                                                                                                                           |                                       |                                                                                                     |                                                                   |                                                                   |  |  |
| 12                                                                                                                           |                                       |                                                                                                     |                                                                   |                                                                   |  |  |



Routine Condition Culvert Inspection Form

GENERAL INFORMATION

\*Site #: CK-2163

\*Structure #:

LOG CULVERTS ONLY (continued)

| Stringer # | Stringer Rot Depth (mm) | Diameter (mm) | Stringer Species | Comments<br>(a comment is mandatory if condition "Poor" is selected) |
|------------|-------------------------|---------------|------------------|----------------------------------------------------------------------|
| 13         |                         |               |                  |                                                                      |
| 14         |                         |               |                  |                                                                      |
| 15         |                         |               |                  |                                                                      |
| 16         |                         |               |                  |                                                                      |
| 17         |                         |               |                  |                                                                      |
| 18         |                         |               |                  |                                                                      |
| 19         |                         |               |                  |                                                                      |
| 20         |                         |               |                  |                                                                      |
| 21         |                         |               |                  |                                                                      |

Comments

Stream CHANNEL

\*Est. Present Water Level Depth 0.2 (m)

\*Est. Present Water Level Width 3.5 (m)

\*Est. High Water Level Clearance 1.0 (m)

HAZARDS (circle yes or no for each item)

High Water? Yes No Scour? Yes No Ice? Yes No Debris? Yes No Aggradation? Yes No

Comments Scour @ outlet of town CSP

REPAIRS: ☒ Recommended ☐ Not required (H = High, M = Medium, L = Low)

| Repair Item # | *Priority (circle) | *Estimate (\$) | *Repair Description                       |
|---------------|--------------------|----------------|-------------------------------------------|
| 1             | H M L              |                | remove logs holding fill @ inlet & outlet |
| 2             | H M L              |                | replace in culvert extensions & riprap    |
| 3             | H M L              |                | brush approaches                          |

\*Monitoring Status: ☒ Recommended ☐ Not required

| Monitor Item # | *Monitor Description |
|----------------|----------------------|
| 1              | crushing CSP         |
| 2              |                      |

PHOTO LOG

| Photo # | Description | Photo # | Description |
|---------|-------------|---------|-------------|
|         |             |         |             |
|         |             |         |             |
|         |             |         |             |
|         |             |         |             |

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked? Yes No

P Eng Inspection Required? Yes No

Inspector's Estimate of Full Log Haul Traffic Replacement Date (year): 2040  
(PEng to review and evaluate inspector's estimate, and to update "Full Log Haul Traffic Replacement (year)" on structure details screen in CBR)

\*Date of Inspection (yyyy/mm/dd) 2013/05/08

\*Inspection Company Name MOF

\*Inspector's Name (print) T. Miller

Inspector's Signature [Signature]

Inspector's Comments

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): 63 tonnes  
(PEng to update structure details screen in CBR as necessary)

Date of Next Planned Inspection (yyyy/mm/dd) 2014/09/30

Reviewer Company Name MOF

Reviewed by - PEng's Name (print) T. Miller

Reviewed by - PEng's Signature [Signature]

Date Reviewed (yyyy/mm/dd) 2013/05/13

PEng Reviewer's Comments

\* Denotes Mandatory Information for Corporate Bridge Register

Outlet of town culvert is crushing due to settling log @ outlet. Remove logs retaining fill @ both inlet & outlet, add culvert extensions & riprap. Brush approaches. Limit loading to BCL-625 or 63 tonnes until work completed.





