

ck 2176

BC Ministry of  
Forests and Range

Page 2 of 2

# Bridge Register Structure Inventory Data Form BRIDGES

| STRUCTURAL DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Number of Spans: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Needle Beams?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Length of Spans (m)<br>[e.g. for a 3-span bridge<br>- 20, 35, 20]<br>18.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Portable Structure?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Portable Superstructure<br>Status:<br><input checked="" type="checkbox"/> Installed<br><input type="checkbox"/> Storage |
| Portable Superstructure Storage Location:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |
| *Bridge Length<br>(metres):<br>18.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | *Superstructure:<br><input type="checkbox"/> Compo Girders <input type="checkbox"/> Concrete Box Beam<br><input type="checkbox"/> Concrete Cast in Place <input type="checkbox"/> Concrete I/T Beam<br><input type="checkbox"/> Concrete Slab Girders <input type="checkbox"/> Glulam Girder<br><input type="checkbox"/> Log Stringer <input checked="" type="checkbox"/> Other<br><input type="checkbox"/> Rail Car <input type="checkbox"/> Steel Box Beam<br><input type="checkbox"/> Steel I-Beam <input type="checkbox"/> Steel Truss/Bailey/Acrow<br><input type="checkbox"/> Timber-Treated Stringers <input type="checkbox"/> Timber-Untreated Stringers |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |
| *Deck Type:<br><input type="checkbox"/> Concrete <input type="checkbox"/> Concrete Composite<br><input type="checkbox"/> Concrete Removable <input type="checkbox"/> Gravel<br><input type="checkbox"/> Other <input checked="" type="checkbox"/> Steel<br><input type="checkbox"/> Steel Free <input type="checkbox"/> Timber-Treated<br><input type="checkbox"/> Timber-Treated Panels <input type="checkbox"/> Timber-Untreated<br><input type="checkbox"/> Timber-Untreated Panels                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | *Deck Width (metres):<br>4.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                         |
| *Running Surface:<br><input checked="" type="checkbox"/> Anti-Skid <input type="checkbox"/> Asphalt <input type="checkbox"/> Concrete <input type="checkbox"/> Gravel<br><input type="checkbox"/> N/A <input type="checkbox"/> Timber Planks                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |
| *Left Abutment:<br><input type="checkbox"/> Binwall<br><input type="checkbox"/> Concrete Cast in Place<br><input type="checkbox"/> Concrete Lock Blocks<br><input type="checkbox"/> Concrete Precast<br><input type="checkbox"/> Crib, Log or Timber<br><input type="checkbox"/> Other<br><input type="checkbox"/> Pile-Temporary Materials<br><input type="checkbox"/> Pile-Permanent Materials<br><input checked="" type="checkbox"/> Sill-Permanent Materials<br><input type="checkbox"/> Sill-Temporary Materials<br><input type="checkbox"/> Steel Pipe & Precast Pat |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | *Right Abutment:<br><input type="checkbox"/> Binwall<br><input type="checkbox"/> Concrete Cast in Place<br><input type="checkbox"/> Concrete Lock Blocks<br><input type="checkbox"/> Concrete Precast<br><input type="checkbox"/> Crib, Log or Timber<br><input type="checkbox"/> Other<br><input type="checkbox"/> Pile-Temporary Materials<br><input type="checkbox"/> Pile-Permanent Materials<br><input checked="" type="checkbox"/> Sill-Permanent Materials<br><input type="checkbox"/> Sill-Temporary Materials<br><input type="checkbox"/> Steel Pipe & Precast Pat |                                                                                                                         |
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |

**Routine Condition Bridge Inspection Form**  
(except for log stringer or timber stringer bridges)

| GENERAL INFORMATION                                                                                            |                                       |                                                                             |              |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|--------------|
| Site #                                                                                                         |                                       | Structure #                                                                 |              |
| ck2176                                                                                                         |                                       | ck2176                                                                      |              |
| FSR Name                                                                                                       | Lost South                            | User km                                                                     | 2.0          |
| Project File ID                                                                                                | 8466                                  | Branch                                                                      | 4            |
| Longitude: (ddd / mm / ss.s)                                                                                   | 49°20'38.8"                           | OR                                                                          | UTM Zone     |
| Latitude: (ddd / mm / ss.s)                                                                                    | 122°13'21.6"                          |                                                                             | UTM Easting  |
|                                                                                                                |                                       |                                                                             | UTM Northing |
| LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl. |                                       |                                                                             |              |
| Item                                                                                                           | Present Condition (circle or fill-in) | Comments (a comment is mandatory if condition "Poor" is selected)           |              |
| Alignment                                                                                                      | E G F <b>P</b>                        | On light horizontal curve                                                   |              |
| Bridge Ahead Signs Missing                                                                                     | 0 1 <b>2</b>                          |                                                                             |              |
| Brushing Required                                                                                              | <b>Yes</b> No                         |                                                                             |              |
| Delineator Missing Left                                                                                        | 0 1 2                                 |                                                                             |              |
| Delineator Missing Right                                                                                       | 0 1 2                                 |                                                                             |              |
| Fender Condition                                                                                               | E <b>G</b> F P None                   | No Post Barrier                                                             |              |
| Posted Load Rating (tonnes)                                                                                    |                                       | Missing. Marked as L-75 on structure.                                       |              |
| Road Surface                                                                                                   | E <b>G</b> F P                        |                                                                             |              |
| LEFT/RIGHT ABUTMENTS (as seen facing downstream)                                                               |                                       |                                                                             |              |
| Item                                                                                                           | Present Condition (circle)            | Comments (a comment is mandatory if condition "Poor" is selected)           |              |
| Log/Timber Cribbs                                                                                              | E G <b>F</b> P N/A                    | Existing 4x Woody, 4x Camp Cedar Cribbs acting as Ballast Wall closed Face. |              |
| Tie-backs                                                                                                      | E G <b>F</b> P N/A                    | 2 Cedar Tie Backs Wood & Camp                                               |              |
| Bin Wall                                                                                                       | E G F P <b>N/A</b>                    |                                                                             |              |
| Precast Concrete                                                                                               | E G F P <b>N/A</b>                    |                                                                             |              |
| Caps or Sills                                                                                                  | E G <b>F</b> P                        |                                                                             |              |
| Piles or Posts                                                                                                 | E G F P <b>N/A</b>                    |                                                                             |              |
| Ballast Wall                                                                                                   | E G <b>F</b> P                        | cedar Crib                                                                  |              |
| Wing Wall                                                                                                      | E G F P <b>N/A</b>                    |                                                                             |              |
| Bracing                                                                                                        | E G F P <b>N/A</b>                    |                                                                             |              |
| Hardware                                                                                                       | E G F <b>P</b> N/A                    | Loose Lashing on Crib                                                       |              |
| Fill                                                                                                           | E <b>G</b> F P                        |                                                                             |              |
| Riprap                                                                                                         | E G F <b>P</b> N/A                    | Camp O/S: Scouring 3m wide under bottom log                                 |              |
| Bearings                                                                                                       | E <b>G</b> F P                        | Sitting on rock fill or dirt                                                |              |
| Corrosion Protection                                                                                           | E G F P <b>N/A</b>                    |                                                                             |              |
| Span 1 of <u>1</u> (spans are numbered consecutively starting from the left abutment)                          |                                       |                                                                             |              |
| Use "Additional Spans" Sheet for Multiple Spans                                                                |                                       |                                                                             |              |
| DECK                                                                                                           |                                       |                                                                             |              |
| Item                                                                                                           | Present Condition (circle)            | Comments (a comment is mandatory if condition "Poor" is selected)           |              |
| Running Surface                                                                                                | E <b>G</b> F P                        |                                                                             |              |
| Running Planks                                                                                                 | E G F P <b>N/A</b>                    |                                                                             |              |
| Sub-deck                                                                                                       | E G F P <b>N/A</b>                    |                                                                             |              |
| Ties                                                                                                           | E G F P <b>N/A</b>                    |                                                                             |              |
| Nails                                                                                                          | E G F P <b>N/A</b>                    |                                                                             |              |
| Deck to Girder Bolts                                                                                           | E G F P <b>N/A</b>                    |                                                                             |              |
| Concrete Deck                                                                                                  | E G F P <b>N/A</b>                    |                                                                             |              |
| Grout Pockets                                                                                                  | E G F P <b>N/A</b>                    |                                                                             |              |
| Deck Joints                                                                                                    | E G F P <b>N/A</b>                    |                                                                             |              |
| Anti-skid Surface                                                                                              | E <b>G</b> F P N/A                    |                                                                             |              |
| Gravel Surface                                                                                                 | E G F P <b>N/A</b>                    |                                                                             |              |
| Curb Rail/Blocks/Posts                                                                                         | E <b>G</b> F P                        | Steel                                                                       |              |
| Handrails/Walkouts                                                                                             | E G F P <b>N/A</b>                    |                                                                             |              |
| Hardware                                                                                                       | E G F P <b>N/A</b>                    |                                                                             |              |
| Overall Deck Condition                                                                                         | E <b>G</b> F P                        |                                                                             |              |

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(except for log stringer or timber stringer bridges)

| GENERAL INFORMATION                                                                                   |                                                            |                                                                                                           |                                                      |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Site # <u>CK2176</u>                                                                                  |                                                            | Structure # <u>CK2176</u>                                                                                 |                                                      |
| SUPERSTRUCTURE                                                                                        |                                                            |                                                                                                           |                                                      |
| Item                                                                                                  | Present Condition (circle)                                 | Comments (a comment is mandatory if condition "Poor" is selected)                                         |                                                      |
| Girders                                                                                               | E <u>G</u> F P                                             | All Steel Portable, L75-18.288m = W2606 sept 2001                                                         |                                                      |
| Diaphragms                                                                                            | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| Bracing                                                                                               | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| Under-trussing                                                                                        | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| Hardware                                                                                              | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| Cracks/Checks in Glulam Girders                                                                       | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| Concrete                                                                                              | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| Shear Connectors                                                                                      | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| Grout Pockets                                                                                         | E G F P <u>N/A</u>                                         |                                                                                                           |                                                      |
| CHANNEL                                                                                               |                                                            |                                                                                                           |                                                      |
| Est. Present Water Level Depth (m) <u>0.20</u>                                                        |                                                            | Est. Present Water Level Width (m) <u>2.3</u>                                                             | Est. High Water Level Clearance (m) <u>5.4</u>       |
| HAZARDS (circle yes or no for each item)                                                              |                                                            |                                                                                                           |                                                      |
| High Water?                                                                                           | Yes <u>No</u>                                              | Scour?                                                                                                    | Yes <u>No</u>                                        |
| Ice?                                                                                                  | Yes <u>No</u>                                              | Debris?                                                                                                   | Yes <u>No</u>                                        |
| Aggradation?                                                                                          | Yes <u>No</u>                                              |                                                                                                           |                                                      |
| Comments <u>Camp Apr D/S + bottom crib by scouring @ 3m wide &amp; 0.3m deep @ 2009 insp.</u>         |                                                            |                                                                                                           |                                                      |
| REPAIRS (H = High, M = Medium, L = Low)                                                               |                                                            |                                                                                                           |                                                      |
| #                                                                                                     | Priority (circle)                                          | Estimate (\$)                                                                                             | Description                                          |
| 1                                                                                                     | H M L                                                      |                                                                                                           |                                                      |
| 2                                                                                                     | H M L                                                      |                                                                                                           |                                                      |
| 3                                                                                                     | H M L                                                      |                                                                                                           |                                                      |
| ITEMS TO MONITOR                                                                                      |                                                            |                                                                                                           |                                                      |
| #                                                                                                     | Description                                                |                                                                                                           |                                                      |
| 1                                                                                                     | <u>Camp side D/S Scour.</u>                                |                                                                                                           |                                                      |
| 2                                                                                                     |                                                            |                                                                                                           |                                                      |
| PHOTO LOG                                                                                             |                                                            |                                                                                                           |                                                      |
| Photo #                                                                                               | Description                                                | Photo #                                                                                                   | Description                                          |
|                                                                                                       | <u>Camp to Wood</u>                                        |                                                                                                           | <u>From V/S</u>                                      |
|                                                                                                       | <u>V/S</u>                                                 |                                                                                                           | <u>Camp V/S 2</u>                                    |
|                                                                                                       | <u>D/S</u>                                                 |                                                                                                           | <u>Wood</u>                                          |
|                                                                                                       | <u>Wood to Camp</u>                                        |                                                                                                           | <u>Camp V/S Scour X 3</u>                            |
| INSPECTOR TO COMPLETE THIS SECTION                                                                    |                                                            |                                                                                                           |                                                      |
| As-built Drawings Checked? Yes <u>No</u>                                                              |                                                            | P Eng Inspection Required? Yes <u>No</u>                                                                  | Date of Inspection (yyyy/mm/dd)<br><u>2009-10-10</u> |
| Inspection Company Name<br><u>FORSITE ENG + GPS - LLP.</u>                                            |                                                            | Inspector's Name (print)<br><u>Ali Sulejki</u>                                                            | Inspector's Signature<br><u>AS</u>                   |
| Comments <u>Existing Log Superstructure &amp; crib over spanned by 18.3m portable steel structure</u> |                                                            |                                                                                                           |                                                      |
| PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION                                                |                                                            |                                                                                                           |                                                      |
| Current Load Rating GVW (tonnes): <u>L75</u>                                                          |                                                            | Date of Next Inspection                                                                                   |                                                      |
| Reviewer Company Name                                                                                 | Reviewed by - P Eng's Name (print)<br><u>L. Stevanovic</u> | Reviewed by - P Eng's Signature<br>Digitally signed by L. Stevanovic<br>Date: 2010.03.05 16:58:24 -08'00' | Date Reviewed (yyyy/mm/dd)                           |
| Comments <u>5t load restriction due to crib condition</u>                                             |                                                            |                                                                                                           |                                                      |