

ck2072

BC Ministry of  
Forests and Range

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# Bridge Register Structure Inventory Data Form BRIDGES

| STRUCTURAL DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Number of Spans:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 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>11 <sup>6</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Portable Structure?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Portable Superstructure<br>Status:<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Portable Superstructure Storage Location:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| *Bridge Length<br>(metres):<br>12 <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | *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 type="checkbox"/> Other<br><input type="checkbox"/> Rail Car <input type="checkbox"/> Steel Box Beam<br><input checked="" 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 checked="" type="checkbox"/> Concrete <input type="checkbox"/> Concrete Composite<br><input type="checkbox"/> Concrete Removable <input type="checkbox"/> Gravel<br><input type="checkbox"/> Other <input 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 <sup>9</sup> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| *Running Surface:<br><input type="checkbox"/> Anti-Skid <input type="checkbox"/> Asphalt <input checked="" 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 type="checkbox"/> Sill-Permanent Materials<br><input type="checkbox"/> Sill-Temporary Materials<br><input checked="" 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 type="checkbox"/> Sill-Permanent Materials<br><input type="checkbox"/> Sill-Temporary Materials<br><input checked="" type="checkbox"/> Steel Pipe & Precast Pat |  |
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

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

| GENERAL INFORMATION                                                                                            |                                          |                                                                      |                      | (enter either long/lat or UTM - not both) |             |              |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------|----------------------|-------------------------------------------|-------------|--------------|
| Site # CK-2072                                                                                                 |                                          | Structure # CK2072                                                   |                      |                                           |             |              |
| FSR Name CHILLIWACK                                                                                            |                                          | User km 5.8                                                          | Project File ID 5127 |                                           | Branch 10   |              |
| Longitude: (ddd / mm / ss.s) 49 05 09.9                                                                        |                                          | OR                                                                   | UTM Zone             |                                           | UTM Easting | UTM Northing |
| Latitude: (ddd / mm / ss.s) 121 42 09.5                                                                        |                                          |                                                                      |                      |                                           |             |              |
| LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl. |                                          |                                                                      |                      |                                           |             |              |
| Item                                                                                                           | Present Condition<br>(circle or fill-in) | Comments<br>(a comment is mandatory if condition "Poor" is selected) |                      |                                           |             |              |
| Alignment                                                                                                      | E G <u>(F)</u> P                         | SHARP VERTICAL CURVE, POOR VIS. W TO CAMP                            |                      |                                           |             |              |
| Bridge Ahead Signs Missing                                                                                     | 0 1 <u>(2)</u>                           |                                                                      |                      |                                           |             |              |
| Brushing Required                                                                                              | Yes <u>(No)</u>                          |                                                                      |                      |                                           |             |              |
| Delineator Missing Left                                                                                        | <u>(0)</u> 1 2                           |                                                                      |                      |                                           |             |              |
| Delineator Missing Right                                                                                       | <u>(0)</u> 1 2                           |                                                                      |                      |                                           |             |              |
| Fender Condition                                                                                               | E <u>(G)</u> F P None                    | NO POST BAR.                                                         |                      |                                           |             |              |
| Posted Load Rating (tonnes)                                                                                    | —                                        | NOT POSTED ON ROAD, BUT STAMPED ON STRUCTURE AS                      |                      |                                           |             |              |
| Road Surface                                                                                                   | E <u>(G)</u> F P                         | RECENTLY GRADED.                                                     |                      |                                           |             |              |
| LEFT/RIGHT ABUTMENTS (as seen facing downstream)                                                               |                                          |                                                                      |                      |                                           |             |              |
| Item                                                                                                           | Present Condition<br>(circle)            | Comments<br>(a comment is mandatory if condition "Poor" is selected) |                      |                                           |             |              |
| Log/Timber Crib                                                                                                | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Tie-backs                                                                                                      | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Bin Wall                                                                                                       | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Precast Concrete                                                                                               | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Caps or Sills                                                                                                  | E G F P                                  | —                                                                    |                      |                                           |             |              |
| Piles or Posts                                                                                                 | E <u>(G)</u> F P N/A                     | PILE RISERS UN SPREAD FOOT.                                          |                      |                                           |             |              |
| Ballast Wall                                                                                                   | E <u>(G)</u> F P                         | PRECAST CONCR.                                                       |                      |                                           |             |              |
| Wing Wall                                                                                                      | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Bracing                                                                                                        | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Hardware                                                                                                       | E <u>(G)</u> F P N/A                     |                                                                      |                      |                                           |             |              |
| Fill                                                                                                           | E <u>(G)</u> F P                         |                                                                      |                      |                                           |             |              |
| Riprap                                                                                                         | E <u>(G)</u> F P N/A                     | HUDSILLS IN STREAM, LOGS PLACED IN FRONT OF RIP RAP.                 |                      |                                           |             |              |
| Bearings                                                                                                       | E <u>(G)</u> F P                         | RUBER PADS                                                           |                      |                                           |             |              |
| Corrosion Protection                                                                                           | E <u>(G)</u> F P N/A                     | WORKING WEL.                                                         |                      |                                           |             |              |
| Span 1 of 1 (spans are numbered consecutively starting from the left abutment)                                 |                                          |                                                                      |                      |                                           |             |              |
| Use "Additional Spans" Sheet for Multiple Spans                                                                |                                          |                                                                      |                      |                                           |             |              |
| DECK                                                                                                           |                                          |                                                                      |                      |                                           |             |              |
| Item                                                                                                           | Present Condition<br>(circle)            | Comments<br>(a comment is mandatory if condition "Poor" is selected) |                      |                                           |             |              |
| Running Surface                                                                                                | E <u>(G)</u> F P                         |                                                                      |                      |                                           |             |              |
| Running Planks                                                                                                 | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Sub-deck                                                                                                       | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Ties                                                                                                           | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Nails                                                                                                          | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Deck to Girder Bolts                                                                                           | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Concrete Deck                                                                                                  | E <u>(G)</u> F P N/A                     |                                                                      |                      |                                           |             |              |
| Grout Pockets                                                                                                  | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Deck Joints                                                                                                    | E <u>(G)</u> F P N/A                     |                                                                      |                      |                                           |             |              |
| Anti-skid Surface                                                                                              | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Gravel Surface                                                                                                 | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Curb Rail/Blocks/Posts                                                                                         | E G <u>(F)</u> P                         | TIMBER UNTREATED                                                     |                      |                                           |             |              |
| Handrails/Walkouts                                                                                             | E G F P <u>(N/A)</u>                     |                                                                      |                      |                                           |             |              |
| Hardware                                                                                                       | E <u>(G)</u> F P N/A                     |                                                                      |                      |                                           |             |              |
| Overall Deck Condition                                                                                         | E <u>(G)</u> F P                         |                                                                      |                      |                                           |             |              |

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

| GENERAL INFORMATION                                         |                                                           |                                                                                                          |                                                      |
|-------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Site # <u>CK2072</u>                                        |                                                           | Structure # <u>CK2072</u>                                                                                |                                                      |
| SUPERSTRUCTURE                                              |                                                           |                                                                                                          |                                                      |
| Item                                                        | Present Condition (circle)                                | Comments (a comment is mandatory if condition 'Poor' is selected)                                        |                                                      |
| Girders                                                     | E <u>(G)</u> F P                                          | STEEL I-BEAM: CATEMOLE TIMBER                                                                            |                                                      |
| Diaphragms                                                  | E G F P <u>(N/A)</u>                                      |                                                                                                          |                                                      |
| Bracing                                                     | E <u>(G)</u> F P <u>(N/A)</u>                             | 3X                                                                                                       |                                                      |
| Under-trussing                                              | E G F P <u>(N/A)</u>                                      |                                                                                                          |                                                      |
| Hardware                                                    | E <u>(G)</u> 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>0.1</u>               |                                                           | Est. Present Water Level Width (m) <u>3.0</u>                                                            | Est. High Water Level Clearance (m) <u>2.3</u>       |
| HAZARDS (circle yes or no for each item)                    |                                                           |                                                                                                          |                                                      |
| High Water?                                                 | Yes <u>(No)</u>                                           | Scour?                                                                                                   | Yes No                                               |
| Ice?                                                        | Yes <u>(No)</u>                                           | Debris?                                                                                                  | Yes <u>(No)</u>                                      |
| Aggradation?                                                | Yes <u>(No)</u>                                           |                                                                                                          |                                                      |
| Comments                                                    |                                                           |                                                                                                          |                                                      |
| 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                                                           |                                                           |                                                                                                          |                                                      |
| 2                                                           |                                                           |                                                                                                          |                                                      |
| PHOTO LOG                                                   |                                                           |                                                                                                          |                                                      |
| Photo #                                                     | Description                                               | Photo #                                                                                                  | Description                                          |
|                                                             | W TO C                                                    |                                                                                                          | W TO S ABUT                                          |
|                                                             | U/S                                                       |                                                                                                          | AMP ABUT                                             |
|                                                             | D/S                                                       |                                                                                                          | FROM U/S                                             |
|                                                             | C TO W                                                    |                                                                                                          |                                                      |
| INSPECTOR TO COMPLETE THIS SECTION                          |                                                           |                                                                                                          |                                                      |
| As-built Drawings Checked?<br>Yes No                        |                                                           | P Eng Inspection Required? Yes No                                                                        | Date of Inspection (yyyy/mm/dd)<br><u>2009-10-16</u> |
| Inspection Company Name<br><u>FORSTE GMA &amp; GED Ltd.</u> |                                                           | Inspector's Name (print)<br><u>Ali Sadeghi</u>                                                           | Inspector's Signature<br><u>[Signature]</u>          |
| Comments                                                    |                                                           |                                                                                                          |                                                      |
| PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION       |                                                           |                                                                                                          |                                                      |
| Current Load Rating GW (tonnes): <u>68t</u>                 |                                                           | Date of Next Inspection                                                                                  |                                                      |
| Reviewer Company Name<br><u>MFR</u>                         | Reviewed by - PEng's Name (print)<br><u>L. Stevanovic</u> | Reviewed by - PEng's Signature<br>Digitally signed by L. Stevanovic<br>Date: 2009.12.24 09:38:10 -08'00' | Date Reviewed (yyyy/mm/dd)                           |
| Comments                                                    |                                                           |                                                                                                          |                                                      |

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w/o 2863  
April 2013