



# BC Ministry of Forests and Range

## Major Culvert Inspection Report

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Date Printed: 2015/12/14  
User Id: IDIR\SMROOKE  
Database: PROD  
Report Id: CBR001C  
File:

|                          |             |                      |        |                                |                                     |                       |            |
|--------------------------|-------------|----------------------|--------|--------------------------------|-------------------------------------|-----------------------|------------|
| Structure #:             | G6-006      | Site #:              | G6-006 | Road Name:                     | FINLAY FSR                          | Inspection Date:      | 2013/10/30 |
| KM:                      | 31.00       | User km:             | 31.00  | Crossing Name:                 | Lost Creek                          | Next Inspection Date: | 2016/10/30 |
| Project File ID #:       | 7829        | Br.                  | 01     | Forest District:               | Mackenzie Natural Resource District |                       |            |
| Culvert Type:            | Elliptical  |                      |        | Culvert Material:              | Corrugated Steel                    |                       |            |
| Inlet Cover (mm):        | 1,200       |                      |        | Outlet Cover (mm):             | 1,200                               |                       |            |
| Footing Type:            |             |                      |        | Gradient (%):                  |                                     |                       |            |
| Culvert Length (metres): | 30.0        | Opening Height (mm): | 2,700  | Opening Width (mm):            | 4,000                               |                       |            |
| UTM Zone:                | 10          | UTM Easting:         | 486499 | UTM Northing:                  | 6125006                             |                       |            |
| Inspector Name:          | Knut Herzog |                      |        | Year Superstructure Installed: | 1980                                |                       |            |
| Access:                  |             |                      |        |                                |                                     |                       |            |

### APPROACHES

|                                                     |      |  |
|-----------------------------------------------------|------|--|
| Alignment                                           | Good |  |
| Bridge Ahead Signs Missing                          | 0    |  |
| Brushing Required                                   | No   |  |
| Delineator Missing Left<br>(approaching structure)  | 0    |  |
| Delineator Missing Right<br>(approaching structure) | 0    |  |
| Fender Condition                                    | None |  |
| Road Surface                                        | Good |  |

### CULVERT ELEMENT

|                     |                |                                 |
|---------------------|----------------|---------------------------------|
| Baffles             | Not Applicable |                                 |
| Bolted Connections  | Good           |                                 |
| Coupled Connections | Not Applicable |                                 |
| Coating             | Good           |                                 |
| Embedment Materials | Not Applicable |                                 |
| Fill                | Good           |                                 |
| Floor               | Good           |                                 |
| Footing             | Not Applicable |                                 |
| Head Wall           | Not Applicable |                                 |
| Inlet               | Good           |                                 |
| Outlet              | Fair           | Plunge pool and under cut 0.5 m |
| Overall             | Good           |                                 |

### Corporate Bridge Register (CBR)

#### Disclaimer:

- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
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|----------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------|----------|------------|----------------------------------------------------|------------------|--------------------------------------------------|----|-------------------------|-----|
| Structure #:               | G6-006                                             | Site #:                                                                                      | G6-006   | Road Name: | FINLAY FSR                                         | Inspection Date: | 2013/10/30                                       |    |                         |     |
| Riprap                     | Poor                                               | need some it might help                                                                      |          |            |                                                    |                  |                                                  |    |                         |     |
| Roof                       | Good                                               |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| Side Walls                 | Good                                               |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| Trash Rack                 | Not Applicable                                     |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| Wiers/Backwater Structures | Not Applicable                                     |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| Wing Wall                  | Not Applicable                                     |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| CHANNEL                    | Estimated Present Water Level Depth:               |                                                                                              | 0.2      |            | Estimated Present Water Level Width:               |                  | 2.0                                              |    |                         |     |
|                            | Estimated High Water Level Clearance:              |                                                                                              | 1.5      |            |                                                    |                  |                                                  |    |                         |     |
| HAZARDS                    | High Water:                                        | No                                                                                           | Scour:   | No         | Ice:                                               | No               | Debris:                                          | No | Aggradation:            | Yes |
|                            | Comment:                                           | Down stream errosion has a plunge pool inplace now with under mining of the pipe see photos. |          |            |                                                    |                  |                                                  |    |                         |     |
| REPAIRS                    | #                                                  | Status                                                                                       | Priority | Estimate   | Description                                        |                  |                                                  |    |                         |     |
|                            |                                                    |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| MONITORS                   | #                                                  | Description                                                                                  |          |            |                                                    |                  |                                                  |    |                         |     |
|                            |                                                    |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| GENERAL                    | Inspector's Comment:                               | Would be interested to know if rip rap may help the undermining at the outlet?               |          |            |                                                    |                  |                                                  |    |                         |     |
| GENERAL                    | PEng's Comment:                                    |                                                                                              |          |            |                                                    |                  |                                                  |    |                         |     |
| GENERAL                    | Replacement Date for full log haul traffic (year): |                                                                                              | 2020     |            | Replacement Date for light vehicle traffic (year): |                  |                                                  |    |                         |     |
|                            | Current Inspection Load Rating:                    |                                                                                              | 91       |            | Design Load GVW (tonnes):                          |                  | 91                                               |    | Design Vehicle Config.: |     |
|                            | Professional Inspection Required?                  |                                                                                              | No       |            | Report Status:                                     |                  | Accepted By Jason Olmsted on 6/27/2014 9:31:16AM |    |                         |     |

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