



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 1 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K141A

Site #:	K141			Primary User Name:	SIMPCW DEVELOPMENT CO. LTD.
KM:	0.11			Crossing Name:	Harper Cr
Project File ID #:	0562	Br.	01	Forest Service Road:	NORTH BARRIERE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2013/07/24				
Inspection Comment:				
1	Required	Low	\$ 500	Install bridge ahead signs on approaches.

Structure #: K938

Site #:	K938			Primary User Name:	SIMPCW DEVELOPMENT CO. LTD.
KM:	5.25			Crossing Name:	Vermelin Cr
Project File ID #:	0562	Br.	01	Forest Service Road:	NORTH BARRIERE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/07/22				
Inspection Comment: The structure looks similar to the last inspection photos. On eroded banks vegetation is starting to occur. The fill cover at US side is 800mm, DS side 150mm. On DS side is slightly more than as per last inspection. Consider to add more fill at the road especially at DS side to be at the minimum 500mm. Please clear the all old repairs and monitorings from the list.				
3	Suggested	Medium	\$ 2,500	PB Feb07.2019 See all outstanding repairs. Inlet and outlet require coarse angular rock armouring. There is insufficient cover over the outlet. A 12 inch or 300mm lift of gravel is required over the crossing.
1	Required	High	\$ 1,000	Add more fill matterial on the road at DS side of the culvert to be at the minimum 500mm

Inspection 2009/10/07

Inspection Comment: Logs and debris are still at inlet, noted in previous inspection. PB Jan 4,2010 - Debris at inlet to be removed once accessible in 2010.				
1	Required	Medium	\$ 1	Remove large woody debris at inlet and pull some of the bedload at inlet as well. Current bedload is approx 0.5m above bottom culvert at inlet.
2	Required	Medium	\$ 1	Pull back headwall at outlet, grading has pushed road shoulder out. Create a berm to stop road runoff from entering stream as well.

Inspection 2006/10/02

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 2 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Region: GMc May 4/07 remove inlet debris.

1	Required	Medium	\$ 0	Hazard: Clear culvert of woody debris.
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Inspection 2004/08/18

Inspection Comment: Overall: There is very little fill over the culvert on the downstream side of the road. Monitor or notify those responsible for maintenance.. Region: There is very little fill over the culvert on the downstream side of the road. Monitor or notify those responsible for maintenance. GMc June 9/05.

1	Required	Medium	\$ 0	Culvert: There is very little fill over the culvert on the downstream side of the road. Monitor or notify the maintenance company.
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Inspection 1998/10/20

Inspection Comment: Overall: Extreme high water appears to be eroding into the road fill. Should this culvert fail, water would flow some distance down ditch of low chain approach. Consider an over flow culvert too redirect water back across road..
 Environmental: Extreme high water appears to be eroding into the road fill. Should this culvert fail, water would flow some distance down ditch of low chain approach. Consider an over flow culvert too redirect water back across road..

1	Required	Medium	\$ 0	Approach: Grade and ditch to remove surface water or rip rap to protect downstream head fill.
2	Required	Medium	\$ 0	Culvert: Rip rap required both upstream and down.

Inspection 1996/11/02

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Grade and ditch to stop erosion of rip rap.
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Inspection 2015/09/21

Inspection Comment: Extended rain period has caused elevated flows during inspection, no access into culvert. The fill over the culvert is 850 mm at the upstream and as little as 60 mm at the downstream ditch. The head wall at the downstream has failed first from failed rip rap and then surface water off road continues to erode fill. Grader could damage roof if ditch line is pulled up on the downstream. Further erosion may create a traffic hazard

1	Complete	High	\$ 3,000	Add rip rap to outlet, 12m should be enough for the inlet and outlet - repaired by Jeff Fedyk Fall 2016.
2	Complete	High	\$ 1,000	After rip rap is added add fill to outlet - Road level raised to add fill over culvert outlet. Jeff Fedyk Fall 2016.
3	Complete	Medium	\$ 200	Clear woody debris from upstream of culvert - Completed by Jeff Fedyk Fall 2016.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 3 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K937

Site #:	K937			Primary User Name:	SIMPCW DEVELOPMENT CO. LTD.
KM:	8.38			Crossing Name:	Bear Cr
Project File ID #:	0562	Br.	01	Forest Service Road:	NORTH BARRIERE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/22

Inspection Comment: The repairs from the past inspections are not completed. Consider to add more fill material on the road to managed 500mm cover at both ends of the culvert.

2	Required	High	\$ 1,000	Add more fill on the road to be minimum cover 500mm at both sides.
1	Required	Medium	\$ 300	Clean woody debris at the outlet.

Inspection 2015/09/21

Inspection Comment: Extended rain period has caused elevated flows during inspection, no access into culvert

1	Required	High	\$ 300	Clean woody debris from outlet
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Inspection 2006/10/02

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Monitor erosion of head and wing walls. The creek has flowed hard onto the high chain upstream wing wall, there is very little erosion protection.
2	Required	Medium	\$ 0	Hazard: Monitor erosion of wing and head walls.

Inspection 2000/08/11

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Monitor ditch erosion of road fill.
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Inspection 2009/10/07

Inspection Comment: Upstream rock armouring is good, no erosion concerns.

1	Complete	Medium	\$ 1	Pull back head wall on downstream end. This will prevent more road material from being introduced in to stream.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 4 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K145

Site #:	K145			Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	17.20			Crossing Name:	Unnamed
Project File ID #:	0562	Br.	02	Forest Service Road:	HARPER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/11

Inspection Comment: Based on the pictures no change and no new rock added.

1	Required	High	\$ 2,000	Left bank 50% of the rock is eroded and Large round poor gradation at the upstream of the bridge. The bridge might benefit from more rock placed upstream and the large rock downstream removed
3	Required	High	\$ 200	Brush out bridge
4	Required	Low	\$ 250	Install bridge ahead signs
2	Required	Medium	\$ 200	Add one delineator and reinstall others

Inspection 2015/09/19

Inspection Comment: The erosion is relatively stable, in order to minimise cost and extend structure life. Place rip rap at both corners of the #1 approach.

1	Required	High	\$ 3,000	Add rip rap to the #1 approach. The erosion is relatively stable, in order to minimise cost and extend structure life. Place rip rap at both corners.
3	Required	High	\$ 300	Fill in erosion at the corners of the approach, must be done in conjunction with rip rap repair
2	Required	Medium	\$ 650	Install bridge ahead signs

Inspection 2014/10/07

Inspection Comment: Left downstream footing becoming exposed. Repairs and monitors remain.

PB Dec 16,2014 Continue with annual inspections. Footing repairs not completed, left bank downstream footing exposed.

4	Required	Low	\$ 500	Install bridge ahead signs
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Inspection 2013/07/24

Inspection Comment: Scour on left bank has increased since last inspection. More rip-rap has moved. Major repair will be needed in the futur.
 Recommend to monitor annually.

An alternate option to redoing the rip-rap could be to hand fill gabions in place. May or may not work at a fraction



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 5 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

of the cost of the recommended repair??

Will try to professionally inspect site in 2014 season, repairs prescribed seem appropriate and required. Annual inspection required. If repairs are not completed then the structure will be downgraded at that time. Repair is required to protect footing exposure. DA.

1	Required	High	\$ 18,000	Option 1- redo left bank rip-rap. need to remove bridge, with two 30 ton excavators, haul in angular rip-rap, unweld and reweld shear connectors. Cost does not include upgrade of road to mobilize excavators. Option 2: install and hand fill gabions in place. ???
2	Required	High	\$ 600	Fill in scour hole behind left ballast wall. Could be done by hand crew or rubber tired back-hoe.

Inspection 2010/09/10

Inspection Comment: repair of the town rip rap at each corner required

1	Required	High	\$ 5,000	rip rap town corners
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Inspection 2007/06/26

Inspection Comment: Overall: Bridge is low, which has caused rip rap and approach fill erosion.. Region: GMc Feb 18/08 monitor for scour. Eventually the span on this should be lifted, the abutments rearmoured with good angular rock and a 300mm+/- H beam should be placed on top the sill to raise the bridge. Some professional advice will be required..

1	Required	Medium	\$ 0	Deck: Requires new curbs and risers.
2	Required	Medium	\$ 0	Abutment: Requires rip rap and fill at the low chain corners of the bridge.
3	Required	Medium	\$ 0	Hazard: Monitor after freshet.

Inspection 2004/08/18

Inspection Comment:

1	Required	Medium	\$ 1,700	Deck: Requires new curbs and risers. 4- 16' 10x10" curbs and 10- 24" 10x10" risers.
2	Required	Medium	\$ 0	Abutment: Monitor rip rap.
3	Required	Medium	\$ 0	Hazard: Monitor rip rap scour.

Inspection 2001/09/11

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 6 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Deck: Requires new curbs and risers. May be able to untelize old curbs for riser replacement. Materials required 4 - 4.65 m. 10x10" timbers.
2	Required	Medium	\$ 0	Abutment: Monitor or add and place new rip rap and fill.
3	Required	Medium	\$ 0	Approach: Fill in fill erosion at low chain upstream corner.
4	Required	Medium	\$ 0	Hazard: Monitor for further erosion or move existing rip rap or add new.

Inspection 1998/10/21

Inspection Comment: Region: Monitor low chain upstream erosion if not repaired. rp.. RegionInsp: Monitor low chain upstream erosion if not repaired. rp..

1	Required	Medium	\$ 0	Abutment: Add rip rap and fill to protect abutment footing.
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Structure #: K655

Site #:	K655		Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	0.01		Crossing Name:	Harper Cr
Project File ID #:	0562	Br.	04	Forest Service Road: DUNN PEAK

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/12				
Inspection Comment: The curbs and risers are marginal, some impact damage at both sides of the left approach and some components have extensive rot. Recommend new curbs and risers. The running deck is rotten and failed. the sub deck is treated				
1	Required	High	\$ 4,800	The running top deck planks are rotten and failed, materials required to replace: 1872 BF of 3" deck planks
2	Required	High	\$ 3,500	The curbs and risers are marginal, some impact damage at both sides of the left approach and some components have extensive rot. Recommend new curbs and risers. Materials required for full replacement. 1100 BF of 10x10" curb timber
3	Required	Medium	\$ 600	Install both bridge ahead signs

Inspection 2013/07/24

Inspection Comment: Bridge is OK for silviculture use. Need to replace running planks and curbs before hauling. Upstream aggradation is a low risk hazard.

2	Required	Low	\$ 5,000	plan to replace runing planks before hauling
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 7 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Low	\$ 500	install bridge ahead signs
4	Required	Low	\$ 1,000	brush road
1	Required	Medium	\$ 3,000	replace curb risers and guard rails

Inspection 2007/06/26

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Damaged at the low chain end of the downstream curb. Will require one 16' x10"10" and one 24" riser block.
2	Required	Medium	\$ 0	Approach: Brush out.

Inspection 2004/08/18

Inspection Comment:

1	Required	Medium	\$ 600	Deck: Requires a 16' 10x10' timber
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Structure #: K1435

Site #:	K1435		Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	0.98		Crossing Name:	Unnamed
Project File ID #:	0562	Br.	04	Forest Service Road: DUNN PEAK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/12

1	Required	Medium	\$ 600	Instal bridge ahead signs
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Inspection 2013/07/23

Inspection Comment: tight curves on aproaches likely difficult for low beds. Improve when road is reused for hauling. Continue to monitor small gaps in rip-rap on Right bank.

1	Required	Low	\$ 500	install bridge ahead signs
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Structure #: K1436

Site #:	K1436	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 8 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	1.81			Crossing Name:	Unnamed
Project File ID #:	0562	Br.	04	Forest Service Road:	DUNN PEAK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/12

1	Required	High	\$ 2,000	Bring in some crush or clean fill and cap approaches
2	Required	Medium	\$ 600	Install bridge ahead signs

Inspection 2013/07/24

Inspection Comment: missing bridge ahead signs - low priority for this site - road is waterbarred

1	Required	Low	\$ 500	install bridge ahead signs
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Structure #: K1087

Site #:	K1087			Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	12.07			Crossing Name:	Unnamed
Project File ID #:	0562	Br.	05	Forest Service Road:	SASKUM LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/10/04

1	Required	Medium	\$ 200	Brush out bridge
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Inspection 2013/09/16

Inspection Comment: Recommended to replace all curbs, curb risers and mounting blocks
 Delineators repaired 2014/09/03

4	Required	Low	\$ 100	Minor brushing on approaches with chain saw if coming to do any of the above noted repairs
3	Required	Medium	\$ 1,000	Install narrow structure (bridge ahead) signs on both approaches.
1	Complete	High	\$ 800	install 4 delineators. Need at a minimum to saw off end of curbs or install posts in front of curbs. All curbs replaced 2015 - delineators re-installed. DC



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 9 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

5	Complete	High	\$ 1,000	Replace damaged curb and both riser block and mounting block on left upstream corner. Do this repair if not replacing all curbs. All curbs replaced 2015 - DC
2	Complete	Medium	\$ 6,000	Replace 20 m of curbs and 10 sets of bracket blocks and risers. Need to replace most of the curb bolts. Recommend to recess top of bolts in curbs. Structure would also work well for the retrofit HSS rails to reduce long term maintenance costs. DA. All curbs replaced 2015

Structure #: K1089

Site #:	K1089			Primary User Name:	INTERFOR CORPORATION
KM:	15.89			Crossing Name:	Unnamed
Project File ID #:	0562	Br.	05	Forest Service Road:	SASKUM LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/12				
1	Required	Medium	\$ 600	Install bridge ahead signs
Inspection 2013/09/16				
Inspection Comment: No concerns for this inspection.				
1	Required	Low	\$ 1,000	add bridge ahead signs

Structure #: K147

Site #:	K147			Primary User Name:	INTERFOR CORPORATION
KM:	0.06			Crossing Name:	Barriere R
Project File ID #:	0562	Br.	11	Forest Service Road:	BEAR CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/12				
1	Required	Medium	\$ 600	Install bridge ahead signs
Inspection 2013/09/16				
Inspection Comment: Installed 2x4 posts for delineators but did not have enough delineators.				
2	Required	Medium	\$ 1,000	Install narrow structure (bridge ahead) signs on both approaches. The town approach is at a road junction.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 10 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Install narrow structure (bridge ahead) signs on both approaches. The town approach is at a road junction.
1	Complete	High	\$ 800	install 4 delineators noted complete after 2016 inspection

Structure #: K1088

Site #:	K1088			Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	0.18			Crossing Name:	North Barriere R
Project File ID #:	0562	Br.	12	Forest Service Road:	SASKUM WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/12

Inspection Comment: This structure has deck panels. The low chain/#1 panel has curb impact damage wich has also split out the downstream tie ends, see photo. The decking generally is just fair with elevated rot and fungal growth. the deck will not take much if any industrial haul.
Consider redecking

1	Required	High	\$ 2,000	Replace impact damaged curb 12' and damaged ties 4
2	Required	Medium	\$ 400	Brush out bridge and road
3	Required	Medium	\$ 600	Install bridge ahead signs
4	Required	Medium	\$ 200	Clean girder flanges

Inspection 2013/09/16

Inspection Comment: Curb and cross-tie damage OK for pick-up access and not noted as a repair item for now. Plan to repair curbs and cross-ties prior to hauling.
Curb repairs to occur prior to industrial hauling. DA

1	Required	Low	\$ 1,000	Brush approaches prior to hauling.
2	Required	Low	\$ 2,000	Widen left - woods approach prior to hauling
3	Required	Medium	\$ 1,000	Replace damaged and/or rotten curbs specifically on ends prior to industrial hauling. DA.

Structure #: WO3159

Site #:	K1579			Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	0.10			Crossing Name:	Fennell Cr
Project File ID #:	0562	Br.	15	Forest Service Road:	



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 11 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Required	High	\$ 1,000	riser downstream side

Inspection 2011/07/13

Inspection Comment:

Not sure if timber riser block has already been fixed. DA

1	Required	Low	\$ 0	Riser downstream side
2	Complete	High	\$ 0	BCTS Kamloops has replaced the riser support blocks, riser blocks and gaurd rails. All new hardware was used to install these components

Structure #: K048

Site #:	K048		Primary User Name:	INTERFOR CORPORATION
KM:	4.03		Crossing Name:	Unnamed
Project File ID #:	0564	Br.	01	Forest Service Road: OTTER-SOUTH BRANCH 1

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/20

Inspection Comment: The gravel fill piled up on the loose upstream curbs is causing them to lean over

1	Required	Medium	\$ 400	Install bridge ahead signs
2	Required	Medium	\$ 1,500	Remove gravel and pull curbs back vertical and retighten

Inspection 2013/09/20

Inspection Comment: N51 41 4.8
W119 20 35.4

3	Required	Low	\$ 1,000	add bridge ahead signs
2	Required	Medium	\$ 5,000	replace gravel retainment boards



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 12 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2010/08/17

Inspection Comment: Overall structure is in good repair.

1	Required	Medium	\$ 5,000	REmove shrub etc. from deck then regravel.
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Inspection 2007/10/04

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Brush out.
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Structure #: K1460

Site #:	K1460	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)		
KM:	6.10	Crossing Name:	Pot Creek		
Project File ID #:	0564	Br.	02	Forest Service Road:	OTTER-BLACK BEAR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/04

Inspection Comment: Timber components have not been replaced, bridge ahead signs not installed, and the road not brushed as per previous inspections. Structure is in otherwise fair condition other than the deck is poor.

PB Jan26,2015 Requires full deck replacement.

1	Required	Low	\$ 2,000	Consider installing 4 fenders pripr to active use.
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Inspection 2013/09/20

Inspection Comment: PB Apr 11.2014 Requires full deck replacement.

2	Required	Low	\$ 1,000	add bridge ahead signs
3	Required	Low	\$ 5,000	brush road
4	Required	Medium	\$ 10,000	replace entire deck prior to hauling

Inspection 2010/08/26

Inspection Comment: Structure overall fair condition, CBR says concrete slab girders on cap beam on piles; see structure inventory data form.

PB Mar09/11. Structure requires deck repair prior to industrial use.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 13 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 5,000	Replace running planks and guardrails before placing into full haul operations.
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Structure #: K770

Site #:	K770		Primary User Name:	INTERFOR CORPORATION
KM:	0.00		Crossing Name:	N Thompson R
Project File ID #:	0564	Br.	03	Forest Service Road: OTTER MAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/03/02

Inspection Comment: Girder lengths are included in the attached PDF. This inspection is a ground inspection only
 Bridge has been redecked

1	Required	Medium	\$ 1,000	Tighten loose curbs
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Inspection 2014/07/25

Inspection Comment: PB Feb 2,2015 Detailed peeper inspection results attached as PDF document.

2	Required	High	\$ 1,000	Fill scour hole at base of right abutment ballast wall with concrete.
3	Required	High	\$ 500	Install bridge ahead signs.
7	Required	Low	\$ 2,000	Repair delamination on underside of right abutment cap.
1	Required	Medium	\$ 4,500	Consider installing fenders at all corners.
4	Required	Medium	\$ 7,500	Install erosion protection at base of both abutments.
6	Required	Medium	\$ 3,200	Remove debris from all caps, bearings & the girder bottom flanges.
8	Required	Medium	\$ 1,000	Remove debris from sub deck outer strip.

Inspection 2012/09/14

Inspection Comment: NO ID PLATE FOUND
 REPLACE ONE BROKEN RUNNING PLANK BETWEEN WHEEL PATHS.

3	Required	High	\$ 1	add bridge ahead signs
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 14 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2000/07/26

Inspection Comment: Overall: Requires peeper for full inspection. Monitor abutment cracks.

1	Required	Medium	\$ 0	Abutment: Monitor abutment cracks
2	Required	Medium	\$ 0	SuperStructure: Clean off bearing and inspected and or repair broken bolts.

Inspection 2014/07/25

Inspection Comment: PB Feb 2,2015 Detailed peeper inspection results attached as PDF document.

5	Complete	High	\$ 12,500	Replace heavily worn & rotten running planks (1850 bd ft or 30% of deck) and replace centre strip planks.
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Inspection 2006/09/01

Inspection Comment: Overall: Ground inspection only, may require peeper inspection..

1	Complete	Medium	\$ 0	Deck: Tighten curbs.
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Inspection 2003/09/29

Inspection Comment: Overall: Ground inspection only..

1	Complete	Medium	\$ 12,000	Deck: Extensive plank rot, some failed sections, will require new planks soon. Approximately 10,000bft.
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Structure #: K832

Site #:	K832		Primary User Name:	WEST FRASER MILLS LTD.
KM:	0.60		Crossing Name:	Otter Cr
Project File ID #:	0564	Br.	03	Forest Service Road: OTTER MAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/08/02				
Inspection Comment: No issues				
2	Required	Low	\$ 200	Minor brushing
1	Required	Medium	\$ 400	Install bridge ahead signs



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 15 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/05

Inspection Comment: Bent diaphragm on woods side is 53cm from lower diaphragm. Brushing is not an issue. Structure is in fair condition.
 PB Jan26,2015 See repairs.

1	Required	Low	\$ 400	Consider bridge ahead signs.
2	Required	Low	\$ 2,000	Consider widening road and installing 4 fenders.

Inspection 2011/12/08

Inspection Comment:

1	Required	Low	\$ 0	Brush out approaches
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Inspection 2014/08/05

Inspection Comment: Bent diaphragm on woods side is 53cm from lower diaphragm. Brushing is not an issue. Structure is in fair condition.
 PB Jan26,2015 See repairs.

3	Complete	Medium	\$ 10,000	Replace guardrails. 62m of Guardrail plus 26 risers and hardware. Curbs and risers replaced 2015 DC
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Structure #: K1039

Site #:	K1039		Primary User Name:	INTERFOR CORPORATION
KM:	14.90		Crossing Name:	Unnamed
Project File ID #:	0564	Br.	03	Forest Service Road: OTTER MAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/20

Inspection Comment: The curbs and risers have extensive rot and a very limited life, plan to replace. Structure has a gravel running surface

1	Required	High	\$ 3,400	Curbs and risers as well as gravel retaining boards have a very limited life, replace. Materials for curbs and risers. Consider gravel removal from deck. 2-10', 2-14' and 2-16' 10x10" curb timbers 666BF 12-2' and 12-3' curb riser blocks 500 BF
2	Required	Medium	\$ 400	Install both bridge ahead signs

Inspection 2013/09/20

Inspection Comment: N51 41 24.5
 W119 17 8.7



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 16 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Low	\$ 1,000	add bridge ahead signs
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Inspection 2010/03/17

Inspection Comment: Overall structure is in good repair.
 PB Mar07/11 Deck repairs required.

2	Required	Low	\$ 5,000	Replace rotten, insect damaged guardrails.
1	Required	Medium	\$ 5,000	Replace curb stops, and put more gravel onto structure deck.

Structure #: K858

Site #:	K858		Primary User Name:	INTERFOR CORPORATION
KM:	0.99		Crossing Name:	Unnamed
Project File ID #:	0564	Br.	05	Forest Service Road: OTTER-CARIBOU

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/15

Inspection Comment: The amount of woody debris at the trash rack is similar to the previous inspection. The log which is holding the riprap at the culvert outlet is braking. This could cause the riprap to fall. This issue should be monitored annually. If possible armour the culvert outlet with riprap and remove the log before it will fail as per previous repair recommendation.

1	Required	High	\$ 500	Clean trash rack.
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Inspection 2015/09/04

Inspection Comment: The culvert is functioning well, the log across the outlet is worn nearly through. If the log fails it may cause the steep outlet rip rap to fail. The trash rack should be cleaned

1	Required	Low	\$ 500	Clear trash rack
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Inspection 2012/09/14

Inspection Comment: ROAD SIGNED AS HOMESTEAD ROAD, NOT OTTER CREEK
 PB Jan 23,2013 See repairs re: outlet rip rap.

1	Required	Medium	\$ 1	Recommend to remove log downstream and re-key in riprap. Likely 2 loads of rock required
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Inspection 2009/10/26

Inspection Comment: The log across the channel just below the culvert outlets is supporting the rock armouring. The log has been worn and is now cracked, it could break and allow the rock armouring to collapse. The outlets of both culvert are already undermined and if the log breaks it will most likely continue to undermine much more as well as possibly eroding the road surface. Highly recommend rearmouring the outlet before the log breaks, will make for an easier fix.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 17 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 1	Rearmour the outlets by raising the streambed to the bottom of the culverts and supporting the existing rock. If possible remove the log and replace with rock. There is bedrock below the outlets so a good footing for any new rock should not be a problem.
2	Required	Medium	\$ 1	Replace the missing bars of the trash rack, unless they were intentionally removed.

Inspection 2006/09/01

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Monitor unstable rip rap. Steep and unstable at the outlet, retained by failing log.
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Inspection 2004/10/15

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: May require new rebar on trash rack, monitor.
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Inspection 2002/08/19

Inspection Comment: Overall: This culvert has a history of blow outs perhaps a third culvert or slightly larger culverts would help..

1	Required	Medium	\$ 0	Culvert: Repair trash rack, requires 6 pieces of angle iron 3"x10'.
2	Required	Medium	\$ 0	Hazard: Monitor erosion at the culvert outlet. The log across the channel to retain the bed material and control erosion is no longer functional. The fill behind the log has been eroded and the outlet rip rap is unstable.

Inspection 2000/07/26

Inspection Comment: Overall: The trash racks are located directly at the inlet. This may cause washout if there were to be a debris torrent as the rack will collect the debris and plug the culvert. Relocation of the racks upstream would allow the rack to do its job and allow the creek to flow through and around the rack and into the culvert.. Region: gmc. Environmental: Debris may block the culvert and cause culvert failure..

1	Required	Medium	\$ 0	Culvert: Monitor trash rack for debris build up or move upstream of the culvert.
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Inspection 1998/09/23

Inspection Comment: Overall: Trash racks right at inlet may cause culvert failure, racks would be more effective upstream from the culvert..

1	Required	Medium	\$ 0
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 18 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Culvert: Monitor trash rack for debris collection after high water events.

Structure #: K045

Site #:	K045	Primary User Name:	INTERFOR CORPORATION
KM:	1.50	Crossing Name:	Unnamed crossing
Project File ID #:	0564	Br.	05
		Forest Service Road:	OTTER-CARIBOU

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/03/02

Inspection Comment: Creek was dry at this inspection, no issues other than brushing out the inlet channel.

1	Required	Medium	\$ 200	Brush out the inlet channel
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Structure #: K1042

Site #:	K1042	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	5.01	Crossing Name:	#1
Project File ID #:	0565	Br.	01
		Forest Service Road:	FINN-FINN CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/18

Inspection Comment: N51 54 56.2
W119 16 37.0

2	Complete	Low	\$ 1,000	Install Bridge Ahead Signs
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Structure #: K1041

Site #:	K1041	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	9.51	Crossing Name:	Unnamed
Project File ID #:	0565	Br.	01
		Forest Service Road:	FINN-FINN CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2007/09/26

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 19 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Medium	\$ 0	Approach: The high chain approach could use some rip rap and fill to improve the alignment. The fill is narrow just off the bridge at the high chain downstream side.
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Inspection 2001/08/03

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor rip rap.
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Inspection 2013/09/18

Inspection Comment:

2	Complete	Low	\$ 1,000	Install bridge ahead signs
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Inspection 2010/07/19

Inspection Comment: Structure is 12.60m in length and 4.90m deck width. Overall fair condition until guard rails changed. GPS coords: Long: 119 13' 26.5"; Lat: 51 56' 04.6"; +/-7m. 12.6m in length X 4.90m running width. PB Mar07/11. Requires complete guardrail replacement.

1	Complete	High	\$ 5,000	replace all guardrails, risers and mounting blocks. Works completed by the District in 2012. MRF 01/2013
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Structure #: K1040

Site #:	K1040		Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	9.92		Crossing Name:	#2
Project File ID #:	0565	Br.	01	Forest Service Road: FINN-FINN CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/18

Inspection Comment:

2	Complete	Low	\$ 1,000	Instal Bridge Ahead Signs
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Inspection 2010/07/19

Inspection Comment: Overall good condition. GPS coords: Long: 119 13' 10.2"; Lat: 51 56' 12.6"; +/-7m. PB Mar07/11 Wrong photos entered from 2010 inspection. Deck repairs required. Coordinates updated.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 20 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 5,000	Replace damaged guardrails, risers and mounting block on right abutment and damaged delineators. Works completed by the district in 2012. MRF 01/2013
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Structure #: K744

Site #:	K744	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	10.47	Crossing Name:	Camp Cr
Project File ID #:	0565	Br.	01
Forest Service Road:		FINN-FINN CREEK	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/20

Inspection Comment: Curb rail system in poor condition. Please remove the other Repairs from the list. They are completed. Consider installing no-post barriers.

1	Required	High	\$ 2,000	Replace curb rail system.
2	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2015/09/02

Inspection Comment: Small voids on the bottom side at the girders. It appears to this inspector the grout on the third gap is the result of sag in the 1x4 form board. I believe the gap is fully filled.

1	Complete	Medium	\$ 600	Install bridge ahead signs
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Inspection 2014/10/09

Inspection Comment: 3rd joint from right is failing and requires repair

4	Complete	Low	\$ 500	Install bridge ahead signs
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Structure #: K692A

Site #:	K692	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	28.54	Crossing Name:	Adams R
Project File ID #:	0565	Br.	01
Forest Service Road:		FINN-FINN CREEK	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/03/03

Inspection Comment: Very nice Bridge, left bank Rip rap while well stacked it is over steepened

1	Required	Medium	\$ 400	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 21 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Install bridge ahead signs
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Structure #: K1103

Site #:	K1103			Primary User Name:	INTERFOR CORPORATION
KM:	0.66			Crossing Name:	Finn Cr
Project File ID #:	0565	Br.	02	Forest Service Road:	FINN-CAMP CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/17

Inspection Comment: The curbs have a limited life expect no more than 2- 3 years. Replacement may require removal of gravel running surface

2	Required	High	\$ 400	Pull curbs back vertical and tighten bolts
1	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2013/09/18

Inspection Comment: Coordinates confirmed

2	Required	Low	\$ 1,000	Install Bridge Ahead Signs
3	Required	Low	\$ 1,000	Brush approaches to bridge
4	Required	Low	\$ 5,000	replace gravel retention timbers

Inspection 2010/07/18

Inspection Comment: Overall good condition except for curb stops.
 GPS coords: Long: 119 11' 30.4"; Lat: 51 57' 50.9"; +/- 7m
 PB Mar09/11 Coords updated.

1	Required	High	\$ 5,000	Remove gravel surface and filter cloth and replace curb stops..
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Structure #: K869

Site #:	K869			Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	0.01			Crossing Name:	Unnamed
Project File ID #:	0565	Br.	03	Forest Service Road:	FINN-TUM

REPAIRS

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 22 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/17

Inspection Comment: The curb risers are very rotten, the curbs less so but with a limited life. one 14' section and 2 riser sets have been replaced.

1	Required	High	\$ 5,500	Extensive rot and failing curb risers, curb timbers are slightly better shape but likely should all be replaced. One 14' curb section and 2 riser sets has been recently replaced. Materials required: 6- 16' and 3-14' 10x10" curb timbers 1150 BF 20 -2' and 20-3' riser blocks 833 BF
2	Required	Medium	\$ 400	Install bridge ahead signs
3	Required	Medium	\$ 250	Brush out bridge

Inspection 2013/09/18

Inspection Comment: Patch damaged left ballast wall

3	Required	Low	\$ 1,000	Install bridge ahead signs
2	Required	Medium	\$ 500	Patch damaged left ballast wall.

Inspection 2010/07/18

Inspection Comment: Overall Good condition.
 GPS coords: Long: 119 05' 12.1"; Lat: 51 59' 11.4"; +/-7m.
 PB Mar 11/11. Guardrail and riser repair required.

1	Required	High	\$ 5,000	Guardrails are rotten on both ends and both side and one is shattered. Require replacement.
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Inspection 2007/09/26

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Some punky risers and up to 70 mm. of curb rot. Three years is a reasonable expectation before replacement.
2	Required	Medium	\$ 0	Approach: Could use some fill. Some erosion of fill at the corners of the low chain approach.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 23 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K808

Site #:	K808			Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	3.30			Crossing Name:	Unnamed
Project File ID #:	0565	Br.	03	Forest Service Road:	FINN-TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2007/09/26

Inspection Comment: Overall: May require armoring to control downstream head wall erosion.. Region: Dec 6/07 GMC.

1	Required	Medium	\$ 0	Culvert: The fill and rip rap may have to be stabilized if erosion continues into the road.
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Inspection 2003/09/25

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Monitor the rip rap erosion at the outlet.
2	Required	Medium	\$ 0	Hazard: Monitor fill erosion at outlet.

Inspection 2001/08/04

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Monito rip rap.
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Structure #: K066

Site #:	K066			Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	3.98			Crossing Name:	Unnamed
Project File ID #:	0565	Br.	03	Forest Service Road:	FINN-TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/17

Inspection Comment: Structure requires new curbs and risers

2	Required	High	\$ 4,000	Rotten and failing risers and some curb sections, replace all. Materials required: 4-14' and 4-10' 10x10" curb timbers 800 BF
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 24 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

12-2' and 12-3' Riser timber blocks 500 BF

3	Required	High	\$ 300	Brush out bridge
1	Required	Medium	\$ 400	Install bridge ahead signs
4	Required	Medium	\$ 500	Grout repair top edge of the #2 sill cap

Inspection 2013/09/18

Inspection Comment: Abutments are post and pad with concrete cap beams

2	Required	Low	\$ 1,000	Install Bridge Ahead Signs
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Inspection 2010/07/18

Inspection Comment: Overall good condition. GPS coords: Long: 119 08' 17.7"; Lat: 51 52' 44.9"; +/-7m. PB Mar01/11. Curb repairs required. GPS coords updated.

1	Required	High	\$ 5,000	replace riser blocks and guardrails on left abutment - rotted out - insect damage.
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Inspection 2007/09/26

Inspection Comment: Region: Dec 4/07 GMc Replace curbs.

1	Required	Medium	\$ 0	Deck: Require curb repair and replacement. Some sub standard repairs have been done to damaged curbs. Some curb timbers are not bolted as well as some of the riser blocks. The undamaged curbs on the upstream have high rot values in the riser blocks and probably will not last to next inspection.
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Structure #: K1027

Site #:	K1027	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	8.33	Crossing Name:	Unnamed
Project File ID #:	0565	Br.	03
		Forest Service Road:	FINN-TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/17

Inspection Comment: The risers and many of the curb timbers have extensive rot, replace.

1	Required	High	\$ 5,200	Rotten and failing risers and some curb sections, replace all Materials required: 2-8', 4-12' and 6-16' 10x10" curb timbers 1066 BF 20-2' and 20-3' timber block risers 833 BF
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 25 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	High	\$ 300	Brush out bridge
2	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2013/09/18

Inspection Comment:

2	Required	Low	\$ 1,000	Install Bridge Ahead Signs
3	Required	Low	\$ 1,000	Brush approaches to bridge

Inspection 2007/09/26

Inspection Comment: Overall: Low bridge.

1	Required	Medium	\$ 0	Approach: Brush out
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Structure #: K807

Site #:	K807	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.	
KM:	16.63	Crossing Name:	Adams R	
Project File ID #:	0565	Br.	03	Forest Service Road: FINN-TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/17

1	Required	Medium	\$ 400	Install bridge ahead signs
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Inspection 2013/09/18

Inspection Comment: Coordinates confirmed.

2	Required	Low	\$ 1,000	Install Bridge Ahead Signs
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Inspection 2007/09/26

Inspection Comment: Region: Dec 6/07 Install new curbs.

2	Required	Medium	\$ 0	Approach: Requires fill at the bridge corners. Eroded and sink hole at the low chain approach.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 26 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2010/07/18

Inspection Comment: Overall good condition. Appears as if guardrails and riser have been recently replaced.
 GPS coords: Long: 119 05' 27.5"; Lat: 51 50' 57.3"; +/-7m.
 PB Mar 10/11 Confirm GPS coords in 2013 inspection. Those collected in 2010 look incorrect.

1	Complete	Medium	\$ 5,000	Replace broken riser left abutment, downstream side. Curbs replaced 2015
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Inspection 1995/09/20

Inspection Comment: Overall: Use peeper truck to check connections..

1	Complete	Medium	\$ 0	Deck: Tighten curbs. Curbs replaced 2015 - DC
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Inspection 2007/09/26

Inspection Comment: Region: Dec 6/07 Install new curbs.

1	Complete	Medium	\$ 0	Deck: Requires new curbs and risers, Requires 32- 36" and 32- 30" risers as well as 290' of 10x10" curb timber. Curbs, Risers, and mounting brackets replaced 2105 - all associated hardware was replaced because hardware was non-standard homemade nuts welded to Ready rod. DC
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Structure #: K830

Site #:	K830	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	0.14	Crossing Name:	Finn Cr
Project File ID #:	0565	Br.	04
		Forest Service Road:	FINN-BRANCH 1

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/08/03				
Inspection Comment: No issues of concern.				
1	Required	Medium	\$ 400	Brush out the bridge
2	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2013/09/18

Inspection Comment: PB Apr7,2014 Replace all timber components.

3	Required	Low	\$ 1,000	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 27 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Install Bridge Ahead Signs

Inspection 2010/07/18

Inspection Comment: No grout in joints and curb stop is not resting on the concrete deck, good condition.
 GPS coords: Long: 119 10' 19.8"; Lat: 51 58' 23.6"; +/-7m.
 PB Mar11/11. Requires bracket block, riser and guardrail replacement.

1	Required	Medium	\$ 5,000	replace all rises and one or two guardrails.
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Inspection 2007/09/26

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Will probably require curbs and risers prior to next inspection.
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Inspection 1998/09/22

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor beaver dam and rising water levels.
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Inspection 2013/09/18

Inspection Comment:
 PB Apr7,2014 Replace all timber components.

2	Complete	Medium	\$ 5,000	Replace all wood deck components prior to industrial use. Rails, risers, mounting blocks, Retaining boards replaced 2014. - DC
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Structure #: K825

Site #:	K825	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	3.50	Crossing Name:	#1
Project File ID #:	0590	Br.	01
Forest Service Road:	NORTH THOMPSON		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/07/15

Inspection Comment: Overall good condition.

1	Complete	Low	\$ 5,000	Replace guardrails.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 28 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K2010

Site #:	K2010			Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	17.10			Crossing Name:	Unnamed
Project File ID #:	0590	Br.	01	Forest Service Road:	NORTH THOMPSON

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: Repairs are not completed from the past inspections. There is a high risk of washout at this crossing. In our opinion the installation of new culvert would be the best option.

1	Required	High	\$ 40,000	Install new culvert
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Inspection 2017/07/27

Inspection Comment: The road edge of the upstream and downstream has been eroded back into the road surface. Traffic hazard. The flows are surpassing the culvert capacity, partly due to brush and debris and a bent inlet miter.

1	Required	High	\$ 3,000	The culvert inlet should be cleared of debris and the miter of the left culvert repaired.
2	Required	High	\$ 4,000	Rip rap inlet and outlet and add fill to road
3	Required	High	\$ 1,000	Brush out the channel

Inspection 2016/09/13

Inspection Comment: This culvert requires some matenance or replacement. There is little or no armouring at the outlet and the fill is eroding into the road surface. The fender logs are rotten and erosion has extended under both see photos. The inlet is also eroding back into the road due to high flow and the low chain culvert inlet is bent over impeding flows. The inlet is also overgrown and close to capacity at high water. If not repaired it will likely wash out. Consider replacement

1	Required	High	\$ 800	Repair bent inlet
2	Required	High	\$ 2,000	Place rip rap and fill to controll erosion and loss of structure
3	Required	High	\$ 200	Brush out inlet

Inspection 2015/08/18

Inspection Comment: The flows appear to be close to the culverts capacity, fill is being eroded back into the road prizm. The road has been narrowed to 4.3 m. The low chain culvert inlet is bent reducing capacity. Erosion of road edge is a traffic hazard. Consider another culvert to increas capacity of crossing

1	Required	High	\$ 200	Repair bent inlet on #1 culvert
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 29 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	High	\$ 3,000	Consider replacement or addition of a third culvert
3	Required	High	\$ 3,000	And rip rap to both ends of the culvert to controll erosion of road edge
4	Required	High	\$ 200	Brush out culvert
5	Required	High	\$ 350	New fender logs

Inspection 2012/09/15

Inspection Comment: COORDINATES - N52 29 58.5, W119 20 19.8 - USER KM 17.1 (NOT 19.5)
 CULVERTS APPEAR TO BE UNDERSIZED TO HANDLE FLOW, LEFT CULVERT INLET DAMAGED FROM BEDLOAD MOVEMENT AND PARTIALLY BLOCKED, ONLY 40cm FILL OVER TOP FOR 1200 IS INSUFFICIENT
 PB Jan 23,2013 Recommend replacement of this structure.

2	Required	Low	\$ 1	replace rotten approach logs
1	Required	Medium	\$ 30,000	REPLACE STRUCTURE WITH LARGER OPENING SIZE

Inspection 2006/03/30

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Monitor downstream headwall erosion.
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Structure #: K006

Site #:	K006		Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	19.60		Crossing Name:	Adolph Cr
Project File ID #:	0590	Br.	01	Forest Service Road: NORTH THOMPSON

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: The crossin at RB looks similar to the last year inspection. The Risers are in similar condition as well. The repairs are not completed from the past inspections. The repairs are required to assure that the structure will comly with the road safety and the load rating standards. Consider dredging the creek up stream. Consider installing no-post barriers.

1	Required	High	\$ 3,000	Conduct dredging the channel US to redirect the water to the center not the LS.
2	Required	High	\$ 6,000	Install no-post barriers.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 30 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

4	Required	High	\$ 400	Add more fill at the approaches. Est volume = 4m3
6	Required	High	\$ 500	Repair damaged ballast wall top at the left bank.
7	Required	High	\$ 2,000	Armour and fill the left bank approach.
3	Required	Medium	\$ 200	Brush approaches.
5	Required	Medium	\$ 200	Tighten curb bolts.

Inspection 2017/07/27

Inspection Comment: The left bank approach upstream side is eroded back in to the road edge. Armour and fill. Top of the left bank ballast wall has been damaged and rebar is exposed, see photo. the creek alignment has shifted onto the Left bank approach, perhaps the channel can be altered

1	Required	High	\$ 4,000	Armour and fill the left bank approach. Consider instream works to reestablish old alignment
2	Required	High	\$ 500	Repair damaged ballast wall top at the left bank, see photo. Contact RBE for repair prescription.
3	Required	Medium	\$ 250	Tighten curb bolts

Inspection 2014/08/01

Inspection Comment: Monitored debris above structure is not an issue. Erosion upstream camp side is not yet an issue. Deck curb repair item should be removed as it is nearly 20 years old. Structure is in good condition.

1	Required	Low	\$ 2,000	Consider installing 4 fenders
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Inspection 1999/09/13

Inspection Comment: Region: Monitor debris dam building upstream of bridge. rp99. RegionInsp: Monitor debris dam building upstream of bridge. rp99.

1	Required	Medium	\$ 0	Hazard: Monitor debris dam building upstream of bridge.
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Structure #: K700

Site #:	K700	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	25.12	Crossing Name:	#2
Project File ID #:	0590	Br.	01
Forest Service Road:	NORTH THOMPSON		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 31 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: The amount of riprap looks similar to the last inspection. Brushing still not completed. Consider installing no-post barriers.

1	Required	High	\$ 400	Replace 1-10"x10"x112" curb rail and 1-10"x10"x30" riser
2	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 300	Brush approaches.

Inspection 2015/08/18

Inspection Comment: There is a suspicious hole about 20 mm leaking rusty stain. This might suggest moisture ingress to the girder rebar. A general comment the structures in the district are very overgrown, this structure was brushed a year or so ago with a mechanical brusher this does not help the structure or the inspector. The materials brushed further clog the structure impeded flows and make inspection difficult. It appears that suggested repairs have been done.

1	Required	High	\$ 350	Brush out bridge and channel
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Inspection 2012/09/15

Inspection Comment: NO ISSUES

2	Required	Low	\$ 1	Brush Approaches.
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Inspection 2006/08/30

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Will require new risers and curb section very soon.
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Inspection 1997/08/06

Inspection Comment: Overall: Requires curb repair as well as removing wire lift loops from deck. Use grinder or cutting torch..

2	Required	Medium	\$ 0	Approach: Brush out around bridge.
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Inspection 2012/09/15

Inspection Comment: NO ISSUES

1	Complete	High	\$ 1	Add 2 bridge ahead signs.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 32 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2003/09/22

Inspection Comment:

1	Complete	Medium	\$ 500	Deck: Tighten curbs and replace rotten risers and curb sections as required.
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Inspection 2000/07/19

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Lifting loops should be cut off the bridge deck.
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Inspection 1997/03/06

Inspection Comment: Overall: Requires curb repair as well as removing wire lift loops from deck. Use grinder or cutting torch..

1	Complete	Medium	\$ 0	Deck: Replace 2 risers (10x10") and 1 curb section (10x10") x3.0 m. long. Damaged middle curb section can be rolled and redrilled. Cut off wire lifting loops extreme tire hazard.
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Structure #: PS-026

Site #:	K821		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	36.60		Crossing Name:	#5
Project File ID #:	0590	Br.	01	Forest Service Road: NORTH THOMPSON

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: The drawing prepared by SNT noted in comments was not available to the inspector. The riprap is in place. The log crib is in poor condition (see pictures). The risk of scour is high. The fill at the approaches was not added. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	Medium	\$ 1,000	Fill in approach fills to deck level

Inspection 2017/07/27

Inspection Comment: The center of bearing is 2.3-2.5 m back from the face of the old crib and are independent of this structure. The drawing prepared by SNT and noted in comments was not available for this inspector. The old crib is functioning well for its new purpose of fill retention and erosion control.

1	Required	Medium	\$ 1,000	Fill in approach fills to deck level
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 33 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/01

Inspection Comment:

1	Required	High	\$ 1,000	Grade approaches up to deck.
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Structure #: K1601

Site #:	K1601		Primary User Name:	TOLKO INDUSTRIES LTD.	
KM:	38.80		Crossing Name:	Lehber Creek	
Project File ID #:	0590	Br.	01	Forest Service Road:	NORTH THOMPSON

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: The repairs are not completed from the past inspections. The spread footing at LB-DS side is undermined in a range of 15-25cm below and for 70cm toward low chain direction measuring from US of the footing. The curb rail system at DS is extremely rotten and is starting falling to the creek. The scour at LB looks similar to the last inspection - average 1.3m from the top. This structure is UNSAFE to the traffic. Bridge closed sign was installed at low chain side.
 Consider installing no-post barriers. In a long term the structure appears to be too short for the crossing, consider replacing with a new one.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 400	The downstream curbs and risers are rotten, materials required 3-14' and 2-10' 10x10" curb timbers 517 BF and 9-3', 9-2' riser blocks 375BF
3	Required	High	\$ 1,000	Fill panels gaps and chipped panel, some rebar is exposed at the left bank ballast.
4	Required	High	\$ 600	Install bridge ahead signs.

Inspection 2017/07/27

Inspection Comment: The bridge is not well centered over the creek. The Right bank is bed rock and the left is large rounded steep eroded and unstable rock. The downstream footing face is exposed and 1.3 m back from the existing toe. The deck panels have been damaged from track equipment walking over the bridge, 3 major and a number of minor areas, see photos

1	Required	High	\$ 3,800	The downstream curbs and risers are rotten, materials required 3-14' and 2-10' 10x10" curb timbers 517 BF and 9-3', 9-2' riser blocks 375BF
2	Required	High	\$ 1,200	Fill panels gaps and chipped panel, some rebar is exposed at the left bank ballast. Contact RBE for repair prescription.
3	Required	Medium	\$ 500	Install bridge ahead signs

Inspection 2016/09/13

Inspection Comment:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 34 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

This structures rip rap at the low chain /#1 is very steep, unstable, round and if one rock fails all may folow. The downstream footing pad is visible

1	Required	High	\$ 2,800	Replace downstream curbs and risers, requires 841 BF of 10x10" curb timber. 2-12' 2-16' and 9-2' and 9-3' riser blocks
5	Required	High	\$ 400	Tighten girder clipps
4	Required	Low	\$ 250	Clean bearings and girder flanges
2	Required	Medium	\$ 400	Fill deck panel gaps
3	Required	Medium	\$ 300	Install bridge ahead sign at the high chain

Inspection 2013/09/17

Inspection Comment: PB Apr10.2014 Will request shop drawings from Rapid Span (W0 945). Load rating maintained at uknown.

N52 35 3.9
 W119 33 38.9
 Girder height = 1.235m
 Flange thickness = 2cm
 Flange width = 32cm
 Web thickness = 1cm
 Bearing distance = 25.5cm
 Girder spacing = 3m c-c
 Girder bracing at 1/3 span spacing
 Stream bottom to u/s girder = 2.3m

1	Required	Low	\$ 1,000	Install bridge ahead signs
2	Required	Medium	\$ 1,000	repair damaged ballast wall with grout to cover rebar

Structure #: K699

Site #:	K699	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.02	Crossing Name:	North Thompson R
Project File ID #:	0590	Br.	02
		Forest Service Road:	LEMPRIERE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/01

Inspection Comment: No repairs have been completed as per previous inspections. Repairs prior to 2012 are no longer valid. Did not see any broken X-ties. Structure is in fair condition - for a 5 tonne load rating. Poor condition for a 54 tonne load rating.
 PB Jan 16,2015 Full deck replacement completed in Sept 2014.

1	Required	Low	\$ 2,000
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Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 35 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Consider installing 4 fenders.

Inspection 2013/09/17

Inspection Comment:

PB Apr8.2014 Maintain 5 tonne load posting until complete deck replacement. Crossties showing extensive rot. Annual inspection.

5	Required	Low	\$ 1,000	repair broken concrete on woods cap beam. Form and pour grout to cover exposed rebar.
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Inspection 2012/09/19

Inspection Comment:

The bridge is generally in fair condition except for the timber deck, which is in poor condition and requires replacement. As an interim measure, the Ministry should limit traffic to pick-up trucks until the Ministry replaces the deck. Due to the poor condition of the timber deck, we were unable to inspect the bridge using the bridge inspection truck. The camp end ballast wall to girder welded connections have failed resulting in the ballast wall settling approximately 200 mm. The failure of the connection has not compromised the ability of the wall to retain fill but should be repaired to prevent further settlement/movement of the wall.

1	Required	High	\$ 150	Correctly orientate woods end upstream delineator
4	Required	Medium	\$ 3,500	Repair failed ballast wall to girder welds at camp end abutment

Inspection 2012/09/15

Inspection Comment:

COORDINATE - N52 28 52.9, W119 12 33.0
 CROSS TIES WERE DRILLED AND SOUNDED AND APPEARS TO BE 25/75 SOUND TO ROTTEN - NOT LIKELY REPLACED DURING LAST RE-DECK.
 NO ID PLATE FOUND
 PB Jan23.2013 Maintain posted 5 tonne load rating until crossties, deck and curbs replaced.

2	Required	High	\$ 1	Add 2 bridge ahead signs.
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Structure #: K867

Site #:	K867		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.07		Crossing Name:	Lempriere Cr
Project File ID #:	0590	Br.	02	Forest Service Road: LEMPRIERE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/13

Inspection Comment:

The bridge length is 27.44 measured in the field

1	Required	Low	\$ 200	Brush out approaches
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 36 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Low	\$ 350	Install bridge ahead signs
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Inspection 2013/09/17

Inspection Comment: Peeper truck noted on Site Information but not required for inspection.
 PB Apr8,2014 Replace all timber components.

2	Required	Low	\$ 5,000	brush road
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3	Required	Low	\$ 1,000	add bridge ahead signs
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Inspection 2007/09/27

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Would require fill at both approaches for industrial haul. Brush out approaches as well.
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Inspection 1998/09/16

Inspection Comment:

2	Required	Medium	\$ 0	Approach: More fill required to finish approach.
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Inspection 2010/07/15

Inspection Comment: Splice looked okay visually; no missing bolts or stress cracks veiwed by spyglass.

1	Complete	Medium	\$ 5,000	Replace guardrails on approaches. All curbs replaced 2015 - DC
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Inspection 2013/09/17

Inspection Comment: Peeper truck noted on Site Information but not required for inspection.
 PB Apr8,2014 Replace all timber components.

4	Complete	Medium	\$ 5,000	PB Apr8,2014 Replace all timber components. All curb rails, risers and mounting brackets replaced 2015 - DC
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Inspection 1998/09/16

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Tighten curbs. Curbs replaced 2015 - DC
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 37 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K011

Site #:	K011			Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	6.16			Crossing Name:	Canvas Cr
Project File ID #:	0590	Br.	03	Forest Service Road:	MANTEAU-CANVAS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: Structure in good condition. The repairs are not completed from the past inspections. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 600	Install bridge ahead signs.
2	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/08/18

Inspection Comment: None of the recent repair suggestions have been done. 4 Delins installed at this inspection

1	Required	Medium	\$ 300	Install bridge ahead signs
2	Required	Medium	\$ 250	Spikes used for decking are small and many are bent over, may require respiking

Inspection 2012/09/15

Inspection Comment: COORDINATES N52 28 37.2, W119 17 13.4

3	Required	High	\$ 1	Add 2 bridge ahead signs.
2	Required	Low	\$ 1	Brush left side approaches.
1	Required	Medium	\$ 1	Nail deck planks down correctly

Structure #: K823

Site #:	K823			Primary User Name:	WEST FRASER MILLS LTD.
KM:	9.30			Crossing Name:	Unnamed
Project File ID #:	0590	Br.	03	Forest Service Road:	MANTEAU-CANVAS CREEK



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 38 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: 10T signs are present. The repairs are not completed from the past inspections. The scour slightly is progressing at RB. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 5,000	Skewed deck requires 2,112 Bf of 3" plank
3	Required	High	\$ 600	Install bridge ahead signs.
4	Required	High	\$ 4,000	Replace curb rail system.
5	Required	Medium	\$ 300	Brush approaches.

Inspection 2016/09/14

Inspection Comment: The bridge was at one time subject to a debris torrent and rebuilt. It is no longer level across the six bearing points. The upstream high chain is low and the girders have a slight twist to them. the bearings are uneven and do not rest squarely on the blocks.
 for industrial haul a full rebuild will likely be required.
 The running planks are rotten and have not failed due to the treated subdeck.
 This bridge is a wide skewed 3 girder design

1	Required	High	\$ 5,000	Skewed deck requires 2,112 Bf of 3" plank
4	Required	Low	\$ 500	Install bridge ahead signs
2	Required	Medium	\$ 4,000	Replace curbs when redecking
3	Required	Medium	\$ 300	Brush out bridge

Inspection 2015/08/18

Inspection Comment: Bridge is a 3 girder skewed bridge and was damaged by a debris torrent. I believe the bridge was dug out after the flow event. The bearings are 2 lock blocks stacked per bearing point. The #1 downstream is not resting on the center of the block but well toward the end see photo.

1	Required	High	\$ 5,000	Skewed deck requires 2,112 Bf of 3" plank
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 39 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Low	\$ 350	Install bridge ahead signs
2	Required	Medium	\$ 300	Brush out bridge

Inspection 2014/08/01

Inspection Comment: Posted to 10 tonnes. No repairs have been completed since previous inspections. No scour issues that are critical were noted. No debris buildup was found. Structure is in poor condition due to deck.

PB Jan23,2015. Maintain posting at 10 tonnes. Requires all new timber decking. Annual inspection.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Inspection 2013/09/17

Inspection Comment: No change from previous inspection.

PB Apr9,2014 Structure has been posted to 10tonnes. Requires deck repairs. Will follow up with District re: posting and other available information. Load rating set to 10 tonnes. Should be thoroughly inspected prior to industrial haul.

2	Required	Low	\$ 1	Install bridge ahead signs
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Inspection 2010/07/15

Inspection Comment: No timber sills, girder on bearing pad on lock block otherwise it appears in good order.

1	Required	Medium	\$ 5,000	replace outer running planks and guardrails when log hauling starts.
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Inspection 2007/09/27

Inspection Comment: Overall: The bridge has suffered some damage and perhaps has been reinstalled after a debris torrent either overflowed or washed out this structure. This occurred 2003 I believe..

1	Required	Medium	\$ 0	Hazard: Monitor scour. Much of the face rip rap has been scoured.
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Inspection 2001/07/31

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor poorly placed upstream bearing lock blocks. My have been moved when bridge was partially washed out.
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Inspection 1998/09/16

Inspection Comment: Overall: Minimal clearance, unstable riprap, and some scouring of the lock block footing. This structure should be monitored closely..



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 40 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Abutment: Monitor rip rap stability and erosion.
2	Required	Medium	\$ 0	Approach: Monitor erosion.
3	Required	Medium	\$ 0	Hazard: Monitor for erosion after any extreme flows.

Inspection 1995/09/26

Inspection Comment:

1	Required	Medium	\$ 0	SuperStructure: Monitor bearings.
2	Required	Medium	\$ 0	Approach: Repair silt sumps.
3	Required	Medium	\$ 0	Hazard: Monitor scour.

Structure #: K822

Site #:	K822		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	9.40		Crossing Name:	Canvas Cr
Project File ID #:	0590	Br.	03	Forest Service Road: MANTEAU-CANVAS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: The repairs are not completed from the past inspections. The lock blocks condition appears to be similar to the last inspection. No additional shifting noted. Scour at the banks similar to the last inspection photos. Consider installing no-post barriers. Posted 5T.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 4,500	Curbs should be replaced, materials required: 933 BF of 10x10 timber curbs 2-18' 2-10' 2-16' and 2-12' 14- 3' riser blocks 350 BF
3	Required	High	\$ 2,000	Install new deck.
4	Required	High	\$ 600	Install bridge ahead signs.
5	Required	Medium	\$ 300	Brush approaches.

Inspection 2016/09/14

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 41 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Bridge is unchanged from last inspection. Lock block settling appears stable. Bridge is not well centered over the creek causing the rip rap at the #1 abutment to be over stepped.
 The deck and curbs are rotten.
 Road is very grown in.

1	Required	High	\$ 4,500	Curbs should be replaced, materials required: 933 BF of 10x10 timber curbs 2-18' 2-10' 2-16' and 2-12' 14- 3' riser blocks 350 BF
2	Required	High	\$ 4,000	Redeck for industrial haul
3	Required	High	\$ 300	Brush out bridge
4	Required	High	\$ 400	Install bridge ahead signs

Inspection 2015/03/18

Inspection Comment: Most of the suggested repairs have not been done. The settled lockblocks at the #1 abutment look to be stable and unchanged for a number of yeays 10 at least.
 The structure is not well centered over the creek causing the #1 rip rap to be very steep and unstable, but it to has endured a number of years. Most of the #@ rip rap has been eroded away and also should be monitored

1	Required	High	\$ 4,500	Curbs should be replaced, materials required: 933 BF of 10x10 timber curbs 2-18' 2-10' 2-16' and 2-12' 14- 3' riser blocks 350 BF
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Inspection 2014/03/01

Inspection Comment: 10 tonne load limit posted. Concrete lock blocks are shifting. No repairs have been completed as per previous inspections. Structure is in poor condition.

PB Jan23,2015. Maintain posting at 10 tonnes. Requires re-installation with new abutments and new timber decking. Not suitable for industrial haul. Annual inspection.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Inspection 2012/09/15

Inspection Comment: LEFT ABUTMENT HAS BEEN UNDERMINED WITH LOCK BLOCKS VISIBLY SETTLED. UPSTREAM GIRDER APPEARS TO HAVE TWISTED AT THE ABUTMENT AND BOTTOM CROSS BRACING ACROSS STRUCTURE IS BENT, UNCLEAR IF CROSS BRACING IS BENT FROM INSTALL DAMAGE OR FROM TWIST OF GIRDER. RECOMMED DOWNRATING OR BETTER YET, JUST REMOVE STRUCTURE.
 CHANGE ROAD NAME TO CANVAS CREEK FSR AT 3.3KM AS STRUCTURE IS NOT ON THE MANTEAU-CANVAS CREEK FSR, UNABLE TO CHANGE IN CBR DUE TO INSUFFICIENT PRIVELEGES
 PB Jan25,2013 Monitor abutments for stability and erosion. Maintain 10 tonne load rating.

3	Required	High	\$ 1	Add 2 bridge ahead signs.
1	Required	Low	\$ 1,000	REPLACE DOWNSTREAM GUARDRAIL
2	Required	Low	\$ 50,000	replace structure and abutments



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 42 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

4	Required	Low	\$ 1	Brush approaches.
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Inspection 2007/09/27

Inspection Comment:

2	Required	Medium	\$ 0	SuperStructure: Clean girders.
4	Required	Medium	\$ 0	Hazard: Continue to monitor abutment erosion. Large poorly graded round rip rap at the low chain abutment face has scoured out and the remaining rock and fill is unstable.

Inspection 1998/09/16

Inspection Comment: Overall: Any further erosion will compromise this structure. Steps outlined above should be taken to stop erosion and structure failure.. Region: Region noted inspection concerns rp01. Environmental: Use clean rip rap, as the rock must be placed in the creek..

1	Required	Medium	\$ 0	Abutment: Place rip rap at upstream low chain corner to stop any further erosion of lock blocks. Perhaps concrete poured in under blocks would help stabilize the abutment. Premix or stack and bank.
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Structure #: K012

Site #:	K012		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.77		Crossing Name:	Adolph Cr
Project File ID #:	0590	Br.	04	Forest Service Road: ADOLPH CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/17

Inspection Comment: Good structure

1	Complete	Low	\$ 1,000	add bridge ahead signs. Complete by M and B Construction Ltd. (DHP 16/03/05)
2	Complete	Medium	\$ 2,000	repair woods end upstream guardrail, requires 1 riser block Complete by M and B Construction Ltd. Repair actual cost includes mob cost of \$250.00(DHP 16/03/05)

Structure #: K727

Site #:	K727		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	8.40		Crossing Name:	Adolph #4
Project File ID #:	0590	Br.	04	Forest Service Road: ADOLPH CREEK

REPAIRS

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 43 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Repair #	Status	Priority	Estimate	Description
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Inspection 2007/09/25

Inspection Comment: Overall: Culvert may be under sized..

1	Suggested	Medium	\$ 0	Hazard: Monitor fro debris and after high water events.
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Inspection 2005/10/08

Inspection Comment: Overall: Culvert appears to be undersized and should be monitored closely.. Region: Gmc Dec/05 comments from last years Inspection Gmc Mar 31/05. This culvert is too small and appears to be overtopped in the past. This is not a good situation If the road is to be needed for the long term the crossing should be replaced. If it is going to be deactivated by 2010 it would seem practical to risk manage and leave as is.. Environmental: Culvert has a high probability of washout..

1	Suggested	Medium	\$ 0	Deck: #####
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2	Suggested	Medium	\$ 0	Hazard: Monitor after high water events.
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Inspection 2003/09/22

Inspection Comment: Region: Gmc Mar 31/05. This culvert is too small and appears to be overtopped in the past. This is not a good situation If the road is to be needed for the long term the crossing should be replaced. If it is going to be deactivated by 2010 it would seem practical to risk manage and leave as is..

1	Suggested	Medium	\$ 0	Hazard: Monitor after high water or extreme events.
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Inspection 2002/08/13

Inspection Comment: Overall: Appears that the culvert has been over topped this season. The road may not have washed out..

1	Suggested	Medium	\$ 0	Hazard: Monitor after freshet.
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Inspection 2000/07/19

Inspection Comment: Overall: This culvert is under sized and requires a larger culvert or additional culverts.. Region: gmc If the culvert blows out, replace with a much larger pipe. Monitor closely during and after high water events. Environmental: Culvert is undersized and washed out this spring further washouts may add material into the creek..



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 44 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Suggested	Medium	\$ 0	Culvert: Add rip rap to controll erosion of outlet fill.
2	Suggested	Medium	\$ 0	Hazard: A larger culvert to handle the high flows or add overflow culverts.

Inspection 1998/09/15

Inspection Comment: Overall: Culvert is under sized, may not handle extreme high water, consider over flow culvert or upgrade to larger culvert.. Environmental: Should this under sized culvert fail materials from road will be washed into the creek..

1	Suggested	Medium	\$ 0	Hazard: Monitor at high water, consider adding overflow culvert.
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Structure #: K728

Site #:	K728	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	13.45	Crossing Name:	Adolph #6
Project File ID #:	0590	Br.	04
		Forest Service Road:	ADOLPH CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2007/09/25

Inspection Comment: Overall: Bridge and low chain approach are not well aligned..

1	Suggested	Medium	\$ 0	Approach: Requires armoring and material at the low chain downstream corner of the bridge.
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Inspection 2004/08/31

Inspection Comment:

1	Suggested	Medium	\$ 0	Hazard: Divert surface water off approaches from the light erodable fill and /or rip rap the road shoulders to control erosion.
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Inspection 2002/08/13

Inspection Comment: Overall: The bridge vertical alignment is poor..

1	Suggested	Medium	\$ 0	Hazard: Monitor erosion if rip rap is not used to control erosion at the low chain approach.
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Inspection 1996/10/17

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 45 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Suggested	Medium	\$ 0	Approach: Grade and ditch to remove surface run off.
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Structure #: K1064

Site #:	K1064		Primary User Name:	WEST FRASER MILLS LTD.
KM:	5.72		Crossing Name:	Unnamed
Project File ID #:	0690	Br.	01	Forest Service Road: DARLINGTON

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2004/03/30				
Inspection Comment:				
1	Required	Medium	\$ 0	Hazard: Monitor debris upstream.

Structure #: K1063

Site #:	K1063		Primary User Name:	WEST FRASER MILLS LTD.
KM:	7.98		Crossing Name:	Machete Cr
Project File ID #:	0690	Br.	01	Forest Service Road: DARLINGTON

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/12				
Inspection Comment: There has been a small repair. see photo, at the ballast to panel left bank downstream. Curbs and risers have been replaced				
1	Required	Low	\$ 250	Logs spilled from a truck are under the bridge, a small amount of debris has accumulated on one log. Removal will reduce the possibility of collecting at high flows
Inspection 1999/03/15				
Inspection Comment: Overall: Road alignment from both approaches is poor..				
1	Required	Medium	\$ 0	Approach: A ditch and silt settle basin at the high chain upstream side may keep the approach dryer.
Inspection 2014/03/10				
Inspection Comment: The logs under bridge are not a concern and never will be. This creek does not have high enough debris movement potential for further items to get caught in them. Currently they make moving from one side to the other easier and drier. The ditch settlement repair has not been completed as per previous inspection but the ditch looks				



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 46 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)
 deep enough to fulfill its purpose. Structure is in good condition.

2	Complete	High	\$ 10,000	Replace guardrails prior to active use. Need 32m of guardrail, 14 blocks and 14 risers plus hardware.
1	Complete	Low	\$ 1,000	Consider installing 2 fenders on right side.

Structure #: K1045

Site #:	K1045			Primary User Name:	WEST FRASER MILLS LTD.
KM:	10.91			Crossing Name:	Machete Cr
Project File ID #:	0690	Br.	01	Forest Service Road:	DARLINGTON

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/07/21

Inspection Comment:

1	Complete	High	\$ 3,000	replace all curb rails and risers. Not sure whom completed but was done at time of 2013 routine inspection. DA.
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Inspection 2007/06/27

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Impact damage at the downstream side of the high chain curb. 3 damaged risers, 2 top and one side block at the high chain downstream corner. Not sure whom completed, but this was done at time of 2013 inspection. DA.
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Structure #: K675

Site #:	K675			Primary User Name:	WEST FRASER MILLS LTD.
KM:	14.97			Crossing Name:	Caverhill Cr
Project File ID #:	0690	Br.	01	Forest Service Road:	DARLINGTON

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/11

Inspection Comment: The bridge was installed upside down and the girder end wind braces are missing. If this is a composite design the panels are very close and likely have little or no grout. Viewed from the underside. Should the bracing be installed and the missing bolts install, this condition has been ongoing for years. Is the lack of grout an issue as well.

1	Required	Medium	\$ 400
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 47 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Tighten curb bolts and replace missing bolt on lower riser block to deck panel
2	Required	Medium	\$ 3,000	If indicated by the Peng. install missing bracing and bolts

Inspection 2013/07/31

Inspection Comment: Wood running planks rotted through in places. No visible connection to concrete deck. Surface of concrete deck and grout pockets not visible.

1	Required	Low	\$ 1,000	install bridge ahead signs
2	Required	Low	\$ 20	remove delineator from downstream channel, fell off bridge. Noticed in inspection review of pictures. DA.

Inspection 2007/06/27

Inspection Comment: Overall: As noted in past inspections, the girders are upside down..

1	Required	Medium	\$ 0	Deck: Impact curb damage. At the high chain downstream one section 18' has been split at the end. May not protect from breakthrough if hit. Also impact damage at the low chain at the approach as well as 1 bolt missing on all blocks were 2 are required.
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Inspection 2004/08/30

Inspection Comment: Overall: Girders appear to be upside down and bracing has also been altered. Region is aware of these conditions.. Region: GMcDec 5/05.

1	Required	Medium	\$ 700	Deck: At the high chain downstream one section 18' has been split at the end. May not protect from breakthrough if hit. Also impact damage at the low chain at the approach as well as 1 bolt missing on the riser support block and 1 loose.
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Inspection 2001/09/12

Inspection Comment: Overall: Major design changes appear to have occurred. Girders appear to upside down and bracing has been removed and modified. Does this compromise the structural integrity?. Region: Noted that the girders are upside down. It is not a problem

Gary McClelland, P.Eng.02.

1	Required	Medium	\$ 0	Deck: One section has suffered impact damage at the high chain downstream corner. The curbs also only have a single bolt per connection. The damaged section is 5.5 m. 10x10"
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Inspection 1998/10/22

Inspection Comment: Overall: Most of the components on this structure have been modified or are missing. i.e.. girders bracing and curbs..



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 48 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Deck: The high chain downstream curb is pushed over at the approach, and split at its mid span riser connection. (5.5 m. x250x250mm.) Curb connections (vertical bolt) have only single bolt, 3 downstream and 4 upstream. The riser bolts (horizontal) are loose and 1 missing upstream side.
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Inspection 1995/08/16

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Tighten curb connections, repair damaged curb.
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Structure #: K864

Site #:	K864	Primary User Name:	WEST FRASER MILLS LTD.
KM:	34.14	Crossing Name:	Lindquist Cr
Project File ID #:	0690	Br.	01
Forest Service Road:	DARLINGTON		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/11

Inspection Comment: The scaffolding is still under the bridge.
This bridge located at 10.0 Km.

1	Required	High	\$ 600	Replace all 4 delineators and posts
2	Required	High	\$ 200	Paint lock block fenders

Inspection 2013/08/01

Inspection Comment: Longitudinal cracks on under side of deck panels. May have occurred prior to installation and repaired. Monitor.

1	Required	Low	\$ 1,000	Replace bent and damaged delineators
2	Required	Medium	\$ 500	Install narrow structure sign on left approach.

Inspection 2010/07/21

Inspection Comment: peeper truck required
 update user km: 9.9km
 update FSR name: Darlington
 Site to be professionally inspected. Safe for industrial use until then. DA

1	Required	High	\$ 3,000	replace curb rails and risers
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 49 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\MOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2007/06/27

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Requires new curbs and risers. Damage at the low chain downstream has been repaired. Many of the remaining risers are rotten as well rot values in curbs is high.
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Structure #: K865

Site #:	K865	Primary User Name:	WEST FRASER MILLS LTD.
KM:	37.49	Crossing Name:	Darlington Cr
Project File ID #:	0690	Br.	01
Forest Service Road:	DARLINGTON		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/11

Inspection Comment: Kilometres appear to wrong, actual is 6.5 km
Curbs have been replaced

3	Required	High	\$ 200	Add approach fills and re-grade approaches to ensure end of slabs are not damaged due to traffic and maintenance equipment.
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Inspection 2010/07/21

Inspection Comment: update user km: 6.6km
update FSR name: Darlington

1	Required	High	\$ 4,000	replace all curb rails, risers, and blocks
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Inspection 2007/06/27

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Requires new curbs and risers. One failed riser block, many with high rot. Curbs also have significant rot.
2	Required	Medium	\$ 0	Approach: Brush out.
3	Complete	High	\$ 6,574	Guard rails and riser blocks have been replaced

Structure #: K866

Site #:	K866	Primary User Name:	WEST FRASER MILLS LTD.
KM:	39.60	Crossing Name:	Darlington Cr



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 50 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #:	0690	Br.	01	Forest Service Road:	DARLINGTON
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REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/11

Inspection Comment: Kilometre's appear to wrong correct to 4.7 km. Surface water is running across the bridge and has eroded the downstream fill at the corner of the bridge. This has also caused the oversteepened rip rap to fail. see photo

2	Required	High	\$ 2,000	Add rip rap and fill at the downstream corner of the #2 approach
3	Required	High	\$ 500	Divert surface water from bridge
4	Required	High	\$ 600	Add gravel for approaches, add gravel deck overlay with grader strips ensure no larger rock in gravel deck overlay. In order to protect concrete deck from tracked vehicles.
1	Required	Medium	\$ 600	Install bridge ahead signs

Inspection 2013/03/01

Inspection Comment: Minor damage to underside of concrete girders during bridge installation

1	Required	Medium	\$ 1,000	Install bridge ahead signs on both approaches.
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Inspection 2007/06/27

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Requires new curb components. Rotten and failing risers, as well as high rot in section of the curbs. Works appear to have been completed, as curbs noted as Good in 2013 inspection. DA.
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Inspection 2004/08/30

Inspection Comment:

1	Complete	Medium	\$ 2,000	Deck: Will require new curb components soon, very high rot values. Requires: 4-18' and 10-24" riser blocks all 10x10" timber. Completed old repair item. As curbs noted Fair in 2013. DA.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 51 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K028

Site #:	K028			Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	1.71			Crossing Name:	Smith Cr
Project File ID #:	0690	Br.	02	Forest Service Road:	SMITH LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2009/10/19

Inspection Comment: There is settling on the bush end which has created some large holes. These holes could cause vehicle damage if someone drove over them. There are tires on site and two of them were placed in the hole to alert drivers of the hole.

1	Required	High	\$ 1	Fill: large holes created from settling on bush end.
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Inspection 2013/08/01

Inspection Comment: Right downstream corner curb rail repaired since time of last inspection

1	Complete	Medium	\$ 2,000	Repair right upstream corner curb rail and reattach right downstream corner delineator. Noted completed during 2016 inspection. DA
2	Complete	Medium	\$ 1,000	Install narrow structure signs (bridge ahead) on both approaches Noted completed during 2016 routine inspection. DA.

Inspection 2009/10/19

Inspection Comment: There is settling on the bush end which has created some large holes. These holes could cause vehicle damage if someone drove over them. There are tires on site and two of them were placed in the hole to alert drivers of the hole.

2	Complete	Low	\$ 1	Guardrail: Contact damage on townside recommend repairing. Appears the hardware is bent, will probably require new bolts (x3). Approx 10ft of 10x10 curb and the riser could be salvage from the damaged curb.
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Structure #: TKA020

Site #:	K1676			Primary User Name:	TIMBER SALES MANAGER KAMLOOPS
KM:	5.10			Crossing Name:	Unnamed
Project File ID #:	0690	Br.	17	Forest Service Road:	NOMANS LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/21

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 52 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: The Structure is missing appropriate connection bolts from inside. The no-post barriers are not as per the MoFLNRO standards. Consider to add more gravel on the deck or clean the deck.

1	Required	High	\$ 2,000	Add more gravel at the bridge and the approaches. Est volume =20m3
2	Required	High	\$ 6,000	Replace the current barriers with as per the Ministry standards no-post barriers.
3	Required	High	\$ 300	Install connection bolts on inside at both sides of the bridge.

Structure #: TKA021

Site #:	K1677			Primary User Name:	TIMBER SALES MANAGER KAMLOOPS
KM:	0.15			Crossing Name:	unnamed
Project File ID #:	0690	Br.	27	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/21

Inspection Comment: The Structure is missing the appropriate connection bolts between the two sections from inside. No-post barriers are not as per the MoFLNRO standards.

1	Required	High	\$ 300	Both sides of the bridge - Install the connection bolts between the two bridge sections and the bearing timbers on inside.
2	Required	High	\$ 6,000	Consider replacing current barriers with as per the Ministry standards no-post barriers.

Structure #: K1409

Site #:	K1409			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00			Crossing Name:	Unnamed
Project File ID #:	0705	Br.	01	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/13

Inspection Comment: No significant issues

2	Required	High	\$ 200	Remove trees in channel under bridge
1	Required	Medium	\$ 300	Install bridge ahead signs
3	Required	Medium	\$ 300	Add fill to the left approach



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 53 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/09/21

Inspection Comment: Fills are okay

1	Required	Low	\$ 400	Install bridge ahead signs.
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Inspection 2011/08/08

Inspection Comment:

1	Required	Medium	\$ 0	Grade approaches to take out settling fill behind girders and ballast wall.
2	Complete	High	\$ 3,500	The approaches at each end of the bridge were excavated and then 1-3 meters from the bridge deck was backfilled with crush that was compacted in 1 foot lifts by a hand operated plate tamper. Then local material was re-installed back on the crush and then bucket tamped.

Structure #: K1408

Site #:	K1408		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00		Crossing Name:	Unnamed
Project File ID #:	0705	Br.	02	Forest Service Road: RABBIT FLATS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/13

Inspection Comment: No issues

1	Required	Medium	\$ 200	Install right approach bridge ahead sign
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Structure #: K1407

Site #:	K1407		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00		Crossing Name:	Unnamed
Project File ID #:	0705	Br.	02	Forest Service Road: RABBIT FLATS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/13

Inspection Comment: No issues

1	Required	Medium	\$ 300	Install bridge ahead sign at the left approach to serve two bridge within sight of each other
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 54 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/09/21

Inspection Comment: Fill repairs completed.

1	Required	Low	\$ 400	Install bridge ahead signs
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Structure #: K1408

Site #:	K1408		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00		Crossing Name:	Unnamed
Project File ID #:	0705	Br.	02	Forest Service Road: RABBIT FLATS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/09/21

Inspection Comment: Fill repairs completed.
 PB Dec 16, 2014 Grout repairs required to ballast wall. See repairs. RBE to provide prescription.

1	Required	Low	\$ 400	Install bridge ahead signs
2	Required	Medium	\$ 500	Left ballast wall u/s corner: cut exposed rebar and patch over.

Inspection 2011/08/08

Inspection Comment:

1	Required	Medium	\$ 0	Place new fill at approaches at girders
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Structure #: K1407

Site #:	K1407		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00		Crossing Name:	Unnamed
Project File ID #:	0705	Br.	02	Forest Service Road: RABBIT FLATS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2011/08/08

Inspection Comment: Fill punching down behind both ballast wall exposing the girders and causing some chipping to them. Most likely this approach settlement is due to improper approach fill compaction or water management in approaches. Repair as described should be satisfactory.

1	Required	Medium	\$ 0	Place new fill at approaches to protect the girders as they are getting damaged
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 55 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2008/09/05

Inspection Comment: Reviewed DA.

1	Required	High	\$ 200	Settled at both ends of the bridge, requires fill
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Structure #: K1408

Site #:	K1408			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00			Crossing Name:	Unnamed
Project File ID #:	0705	Br.	02	Forest Service Road:	RABBIT FLATS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2008/09/05

Inspection Comment: Reviewed DA.

1	Required	High	\$ 200	Settled at both ends of the bridge, requires fill
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Structure #: K1407

Site #:	K1407			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00			Crossing Name:	Unnamed
Project File ID #:	0705	Br.	02	Forest Service Road:	RABBIT FLATS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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2	Complete	High	\$ 3,500	The approaches at each end of the bridge were excavated and then 1-3 meters from the bridge deck was backfilled with crush that was compacted in 1 foot lifts by a hand operated plate tamper. Then local material was re-installed back on the crush and then bucket tamped.
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Structure #: K1408

Site #:	K1408			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00			Crossing Name:	Unnamed
Project File ID #:	0705	Br.	02	Forest Service Road:	RABBIT FLATS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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2	Complete	High	\$ 3,500	The approaches at each end of the bridge were excavated and then 1-3 meters from the bridge deck was backfilled with crush that was compacted in 1 foot lifts by a hand operated plate tamper. Then local material was re-installed back on the
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 56 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)
 crush and then bucket tamped.

Structure #: K698

Site #:	K698		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	0.00		Crossing Name:	North Thompson R
Project File ID #:	0731	Br.	01	Forest Service Road: BONE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/18

Inspection Comment: The repairs are not completed from the last Close Proximity inspection. The hand rail condition is causing hazard to pedestrians. Consider installing no-post barriers.

4	Required	High	\$ 5,000	Replace curb and rail system.
6	Required	High	\$ 600	Install bridge ahead signs.
9	Required	High	\$ 6,000	Install concrete no-post barriers.
1	Required	Low	\$ 300	Brush approaches.
2	Required	Low	\$ 500	Remove debris accumulated near the pier and abutment cap.
7	Required	Low	\$ 300	Clean deck.
3	Required	Medium	\$ 1,000	Replace 3 stringers at span 1 and 4.
5	Required	Medium	\$ 2,000	Replace 15 worn out running planks.
8	Required	Medium	\$ 1,000	Regrade left approach.

Inspection 2017/10/02

8	Required	Low	\$ 1	Remove debris accumulation from abutments & pier caps.
9	Required	Low	\$ 1	Brush approaches and spans 1, 3, and 4
1	Required	Medium	\$ 1	Replace 3 stringers in spans 1 and 4.
2	Required	Medium	\$ 1	Replace curb and rail. Replace curb with standard curb.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 57 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Medium	\$ 1	Replace approximately 15 wearing planks.
4	Required	Medium	\$ 1	Install bridge ahead signs and replace backwards delineators.
5	Required	Medium	\$ 1	Clean debris off deck.
6	Required	Medium	\$ 1	Regrade left approach.
7	Required	Medium	\$ 1	Consider installing concrete fenders.

Inspection 2016/09/15

1	Required	Medium	\$ 2,000	Repair curb hand rails
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Inspection 2015/07/13

Inspection Comment: This bridge was inspected during ideal weather conditions and with the use of a snooper truck to gain access to the girders, underside of deck, and piers. The approaches to the bridge are well graded, but no guide logs / barriers are present. The timber superstructure generally appears to be in good to fair condition. Isolated medium checks and cracks were found throughout the girders and stringers. Epoxy injection of these checks / splits may be an option to extend the service life of the girders, however this would primarily be for preventative maintenance purposes. The substructure of the bridge also generally appears to be in good to fair condition. Some rot and wide checks were found in ends of the timber bearing sills, however, the function of the pier / abutment caps are not affected. Some minor sloughing at the abutment backwalls was also noted.

1	Required	High	\$ 2,000	Install approach barriers at all corners of the bridge.
2	Required	High	\$ 4,000	Replace rotten / damaged portions of curb rail / handrail.
3	Required	High	\$ 500	Replace bridge hazard markers, particularly the damaged one at abutment 1 downstream.
4	Required	Medium	\$ 0	Regrade abutment 1 approach road gravel.
5	Required	Medium	\$ 2,000	Replace backwall timbers / backfill in front of backwall to mitigate continued sloughing of approach fill.

Inspection 2013/10/07

Inspection Comment: PB Mar 25,2014 See repairs in attached close proximity inspection report and as listed in Repair & Monitoring.

1	Required	High	\$ 500	Re-attach LBDS rail.
2	Required	High	\$ 1,500	Replace rotten retrofitted posts at RBDS.

Inspection 2012/10/12

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 58 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 1	replace damaged handrail on left abutment, down stream side
2	Required	Medium	\$ 1	replace curb stop on right abutment, up stream side

Inspection 2011/10/25

Inspection Comment: Based on the condition of the curbs and hand rail we recommend that the Ministry replace both rails. At this time, we recommend the Ministry increase the height of the curb to conform to current Ministry standards. The replacement date is based on the Ministry stated construction date. However, given the year the structure is stated built is in the late 1980's we suspect the girders may be older than this construction date. While no significant deterioration was noted the Ministry may wish to try and verify the construction date of the girders. PB March12,2012. See repair items.

1	Required	High	\$ 0	Replace curbs, blocking and hand rail.
2	Required	High	\$ 0	Reinstate camp end load posting sign.
3	Required	High	\$ 0	Install correct delineators.

Inspection 2007/05/29

Inspection Comment: Overall: Peeper truck inspected.. Region: GMc.

1	Required	Medium	\$ 0	Deck: Repair or replace guard and hand rail.
2	Required	Medium	\$ 0	Approach: Repair damaged sign.

Inspection 2002/08/15

Inspection Comment: Overall: Ground inspection only. Bridge was peeper inspected 2003, no issues noted rp03.

1	Required	Medium	\$ 0	Deck: Some small repairs to curbs and hand rail. Damaged at various locations, curb knocked off at the high chain downstream approach. Broken planks on the hand rail mid span upstream side and at the low chain approach upstream side.
2	Required	Medium	\$ 0	Approach: Brush and trees should be cleared around the bridge

Inspection 1999/09/14

Inspection Comment: Overall: Some trees have been deposited on the high chain upstream bank, they are very high up and it is uncertain if they were deposited at high water.. Environmental: Creosote drip onto river banks..

1	Required	Medium	\$ 0
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 59 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Deck: Repair damaged rails and posts.

Inspection 1997/03/07

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Replace rail post and damaged rail planks.
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Structure #: K1192

Site #:	K1192	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	0.18	Crossing Name:	Bone Cr
Project File ID #:	0731	Br.	02
		Forest Service Road:	BONE CREEK- HELLROAR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/15

Inspection Comment: This will need curbs and risers soon, likely will not make next inspection.

1	Required	Medium	\$ 400	Install bridge ahead signs
2	Required	Medium	\$ 8,500	Risers have extensive rot as well as some curb timbers, replace all soon. Materials required: 2-10', 2-12', 2-16', 2-18' and 5-20' 10x10" curb timbers 1766 BF 26-2' and 26-3' riser timbers 1083 BF
3	Required	Medium	\$ 300	Parg or cover damaged ballast wall top

Inspection 2010/07/16

Inspection Comment: Overall good condition

1	Required	Low	\$ 5,000	Add bridge ahead signs.
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Structure #: K1055

Site #:	K1055	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	6.76	Crossing Name:	Gum Cr
Project File ID #:	0731	Br.	03
		Forest Service Road:	GUM CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/18



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 60 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: The repairs are not completed from the last inspection. Consider installing no-post barriers.

2	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 500	Install new seal gasket between ballast wall and concrete slab.
4	Required	High	\$ 300	Brush approaches.
5	Required	High	\$ 600	Install bridge ahead signs.
1	Required	Medium	\$ 200	Clean deck

Inspection 2015/08/18

Inspection Comment: Recent curbs and risers upgrade, still no bridge ahead signs or brushing done

3	Required	High	\$ 300	Brush put bridge
2	Required	Low	\$ 300	Install bridge ahead signs
1	Required	Medium	\$ 400	Grade or ditch spring water off the High chain approach

Inspection 2012/10/12

Inspection Comment: PB Jan 16,2013 Curb, riser and mounting block repairs required.

1	Required	High	\$ 1	brush out right of way at approaches for better SSD
4	Required	High	\$ 1	Add 2 bridge ahead signs.

Inspection 2000/07/20

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Place rip rap and fill at bridge downstream corners and clear ditch line.
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Inspection 2012/10/12

Inspection Comment: PB Jan 16,2013 Curb, riser and mounting block repairs required.

3 Complete Medium \$ 1



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 61 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

add 2 delineators, 1 left sand 1right when guardrails are replaced

Inspection 2009/10/28

Inspection Comment: span length: 17.25m approx

Curb and riser repairs from previous inspection have not been completed.

1	Complete	Medium	\$ 1	Curb and riser repairs from previous inspection have not been completed, they still need repair.
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Inspection 2012/10/12

Inspection Comment:

PB Jan 16,2013 Curb, riser and mounting block repairs required.

2	Complete	High	\$ 1	replace guardrails and risers prior to industrial use - Guardrails/Risers and Mounting Brackets replaced. DC
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Structure #: 5008

Site #:	5008	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	2.69	Crossing Name:	
Project File ID #:	0731	Br.	15
		Forest Service Road:	BR7000

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/08/26

Inspection Comment: Should get analyzed for better load rating.

PB Mar 01,2011. Maintain posting at 5 tonnes. Annual inspection.

1	Required	High	\$ 5,000	Add fill to approaches and riprap upstream ends of abutments(sill logs)
2	Required	High	\$ 5,000	Retighten or add lashing to downstream end of structure.

Structure #: K1090

Site #:	K1090	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.15	Crossing Name:	Gollen Cr
Project File ID #:	10005	Br.	23
		Forest Service Road:	GOLLEN BRANCH 3

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/29

1	Required	Medium	\$ 600	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 62 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Install bridge ahead signs
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Inspection 2013/07/26

Inspection Comment: Removing soil from deck may extend life of curb blocks.

1	Required	Low	\$ 600	wash deck - could help extend life of curb blocks
2	Required	Low	\$ 500	install narrow structure signs on approaches. Low priority because of slow road
3	Required	Low	\$ 200	Brushing around bridge

Structure #: K1546

Site #:	K1546		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	9.40		Crossing Name:	Lemieux Creek
Project File ID #:	10185	Br.	02	Forest Service Road: ROUNDTOP FSR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/23

Inspection Comment: Bridge ahead signs are installed. Number of grout pockets per pannel=6. Web thickness = 9.8mm. Structure in good condition. Consider installing no-post barriers.

2	Required	High	\$ 500	Realign curb rail at LB-DS corner. Tighten all bolts.
3	Required	High	\$ 6,000	Install no-post barriers.
1	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/09/19

1	Required	Medium	\$ 650	Install bridge ahead signs
2	Required	Medium	\$ 300	Brush out bridge
3	Required	Medium	\$ 300	Clean bearings
4	Required	Medium	\$ 200	Tighten curb bolts

Structure #: K1446



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 63 of 318
 Date Printed: 2019/04/02
 User Id: IDIRIGMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Site #:	K1446		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	10.20		Crossing Name:	Mackenzie Cr
Project File ID #:	10329	Br.	01	Forest Service Road: MACKENZIE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/24

1	Required	Medium	\$ 500	Install bridge ahead signs
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Inspection 2013/07/10

Inspection Comment: deck appears to have been replaced recently.

1	Required	High	\$ 1,000	bridge ahead signs!
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Inspection 2012/08/06

Inspection Comment: No issues

1	Required	High	\$ 1	Add 2 bridge ahead signs.
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Inspection 2011/03/11

Inspection Comment: 2010 says rotten subdeck and ties but are found to be in fair condition with some minor cracking of ties PB Feb20,2012 Requires some crosstie, subdeck and running deck repairs.

1	Complete	High	\$ 2,000	PB Feb20,2012 Required some crosstie, subdeck and running deck repairs. Structural subdeck replaced in 2012. MRF 02/2013
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Inspection 2010/08/26

Inspection Comment: Overall, except for sub deck, structure is in good repair. Fish (juveniles) noted in stream channel. Timbers are treated.

1	Complete	High	\$ 5,000	Replace sub deck, new timbers placed over top old and rotting sub deck.
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Structure #: K1466

Site #:	K1466		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	11.50		Crossing Name:	Unknown
Project File ID #:	10593	Br.	01	Forest Service Road: THE LOOKOUT



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 64 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/07/31

Inspection Comment: No critical issues

1	Required	Low	\$ 400	Install bridge ahead signs
2	Required	Low	\$ 150	Brush out bridge
3	Required	Medium	\$ 200	Install delineators

Inspection 2014/08/03

Inspection Comment: Bridge ahead sign installation and gravel grading have not been completed as per previous inspection. Structure is in otherwise good condition.

1	Required	Low	\$ 2,000	Consider widening approaches and installing 4 fenders.
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Inspection 2011/10/24

Inspection Comment: structure has a 0.3m thick gravel deck with 2"x10" curbstops

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	Medium	\$ 1	grade gravel deck

Structure #: K1465

Site #:	K1465	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	12.90	Crossing Name:	Unknown
Project File ID #:	10593	Br.	01
		Forest Service Road:	THE LOOKOUT

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/17

Inspection Comment: The repairs are not completed from the past inspections. Curb rails are in poor condition. Consider installing no-post barriers. Instead of adding more gravel at the bridge consider removing gravel from the bridge if feasible.

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 65 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

The repairs are not completed from the past inspections. Curb rails are in poor condition. Consider installing no-post barriers. Instead of adding more gravel at the bridge consider removing gravel from the bridge if feasible.

1	Required	High	\$ 1,000	Replace curb rail system and gravel bumpers.
2	Required	High	\$ 300	Add more gravel at the bridge. Est. volume 3m3
3	Required	High	\$ 600	Install bridge ahead signs.
4	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/03/20

Inspection Comment: No identifying manufacturer marks on structure. Delineators have been added to this structure and repaired at this inspection, no other suggested repairs done

1	Required	Medium	\$ 400	Install bridge ahead signs
2	Required	Medium	\$ 200	Brush out bridge

Inspection 2014/08/03

Inspection Comment: Delineators have been installed. Bridge ahead sign installation and gravel grading has not been completed as per previous inspection. Structure is in good condition.

1	Required	Low	\$ 2,000	Consider installing 4 fenders prior to active use.
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Inspection 2011/10/24

Inspection Comment: structure has a gravel deck, 0.3m thick with 2"x10" curbstops

1	Required	High	\$ 1	add 2 bridge ahead signs
3	Required	Medium	\$ 1	grade gravel deck
2	Complete	High	\$ 1	add delineators 1 left abut, 1 right abut

Structure #: K070117

Site #:	K1580	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.25	Crossing Name:	Unnamed
Project File ID #:	10600	Br.	01
Forest Service Road:	CL10600.01		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 66 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2016/09/14

1	Complete	Medium	\$ 350	Install bridge ahead sign at high chain
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Inspection 2012/10/01

Inspection Comment:

1	Complete	High	\$ 1	Add 2 bridge ahead signs
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Structure #: K1611

Site #:	K1611	Primary User Name:	BC HYDRO
KM:	1.30	Crossing Name:	Demers Creek
Project File ID #:	10873	Br.	01
		Forest Service Road:	KA10873.01

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/12

Inspection Comment: No issues, road and bridge are merging back into the bush

1	Required	Low	\$ 300	Brush out bridge
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Structure #: 97-475

Site #:	K1663	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.20	Crossing Name:	Eakin Creek
Project File ID #:	10961	Br.	01
		Forest Service Road:	KA10961.01

REPAIRS

Repair #	Status	Priority	Estimate	Description
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1	Complete	High	\$ 20,000	See repair prescription from Drew Alway PEng attached in documents and photos. Extensive repairs required prior to industrial hauling. AG completed all works, plus added better approach fills.
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Structure #: K1122

Site #:	K1122	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	0.00	Crossing Name:	Unnamed
Project File ID #:	1422	Br.	01
		Forest Service Road:	TAWHEEL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 67 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2016/09/10

1	Required	Medium	\$ 600	Install bridge ahead signs
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Inspection 2012/08/06

Inspection Comment: REPLACE ALL UPSTREAM GUARDRAILS, DOWNSTREAM ONES ARE NEWER AND OK
 As noted on repair, this structure is a good candidate for curb replacement with retrofit HSS or W beam with galvanized rails if users see fit. Standard timber rail replacement is fine also. DA.

1	Complete	High	\$ 5,000	replace all upstream guardrails and risers, requires 6 brackets, risers, and 5 10' long guardrails. Superstructure is a good candidate for curb system replacement with retrofit HSS or Wbeam, with galvanized posts. DA. Noted as completed in 2016 inspection
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Inspection 2009/10/13

Inspection Comment: Debris in channel up and down stream noted in previous inspection is still there but is not impacting the structure.

Skewed bridge, check drawing for span length.

1	Complete	Medium	\$ 1	Guardrail: Replace the two failed risers. Noted as completed in 2016 inspection. DA
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Structure #: K1123

Site #:	K1123	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	3.26	Crossing Name:	Unnamed
Project File ID #:	1422	Br.	01
Forest Service Road:	TAWHEEL LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/12

Inspection Comment: The culvert is 50% blocked at the inlet with a beaver dam.

1	Required	High	\$ 1,000	Remove beaver dam at inlet
2	Required	Low	\$ 250	Brush up stream and downstream channel

Inspection 2014/08/09

Inspection Comment: Beaver dam is currently present. No current issues with sag in roof. Rip rap does not look to be installed on the outlet side but currently erosion is not an issue. Culvert is in fair condition.

1	Required	Medium	\$ 500	Remove beaver dam and install beaver prevention.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 68 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2000/09/07

Inspection Comment: Overall: Road narrow over culvert, The rip rap is steep and out to the end of the culvert at inlet, this is not the case on the outlet side. There is no head and wing wall erosion protection other than grass and the road has eroded down to 3.6 m. over the culvert.. Environmental: Site appears to have been seeded, grass has sprouted. Fish where noted in the creek..

1	Required	Medium	\$ 0	Culvert: Fill in erosion of road surface on outlet side and place rip rap to control further erosion.
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Structure #: K1404

Site #:	K1404	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	6.86	Crossing Name:	Stiger Cr
Project File ID #:	1422	Br.	01
		Forest Service Road:	TAWHEEL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/12

Inspection Comment: The right bank fender log has been pushed of the road side and the curb has been damaged on its end

1	Required	High	\$ 1,500	Reinstall fender logs, new downstream log, and repair damaged curb. 12' 10x10" Install delineator
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Inspection 2014/08/09

Inspection Comment: High chain sill erosion is not an issue. Structure is in good condition.

1	Required	Low	\$ 500	Reposition camp side log fenders.
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Structure #: K1019

Site #:	K1019	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	10.02	Crossing Name:	Unnamed
Project File ID #:	1422	Br.	01
		Forest Service Road:	TAWHEEL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/23

Inspection Comment: Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 300	Brush approaches.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 69 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	High	\$ 6,000	Install no-post barriers.
2	Required	Low	\$ 150	Clean deck

Inspection 2015/09/18

1	Required	Low	\$ 250	Brush out bridge
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Inspection 2009/10/13

Inspection Comment: Guardrail repair noted in previous inspection has not been completed, and is now highly recommend. PB Jan 5,2010. Guardrail requires repair as noted in 2006 & 2009. Licensee to indicate repair plans by June 1,2010 or structure will be closed to industrial traffic.

1	Complete	High	\$ 1	Guardrail: requires replacement, as noted is previous inspection. Will not be able to reuse all of the existing hardware, some will be recoverable. Curb replacement completed by Tolko. Gord Bower
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Inspection 2006/10/11

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Will require curb repair or replacement prior to next inspection. Extensive rot and some impact damage. Probably will not make next inspection. Requires 10 - 36" and 10 32" riser blocks and 4 - 18' x10"x10" curb timbers Curb replacement completed by Tolko. Gord Bower
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Structure #: K672

Site #:	K672	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	13.82	Crossing Name:	Nahalliston Cr
Project File ID #:	1422	Br.	01
Forest Service Road:	TAWHEEL LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/10

Inspection Comment: Remove partial beaver dam in culvert

1	Required	Medium	\$ 500	Remove beaver dam from inside the culvert
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Inspection 2010/07/21

Inspection Comment: update gradient: 1%
cbr information updated. Removed professional inspection required, as monitor items and repairs are fine. DA

1	Required	Medium	\$ 500
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 70 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

remove small beaver dam. DA

Inspection 1997/09/16

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Remove tree from inlet.
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Inspection 1995/08/15

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Remove debris from inlet.
2	Required	Medium	\$ 0	Hazard: Remove wood debris from inside culvert.

Structure #: K1010

Site #:	K1010		Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	2.50		Crossing Name:	Lost Horse Cr
Project File ID #:	1422	Br.	02	Forest Service Road: LOST HORSE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/23

Inspection Comment: The bridge ahead signs are not installed. New HSS railings. Structure in good condition.

1	Required	High	\$ 600	Install bridge ahead signs.
2	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/09/18

Inspection Comment: None of the recommended repairs have been done, both curbs have failed. Local source log curbs until recommended repairs are completed

3	Required	Low	\$ 650	Install bridge ahead signs
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Inspection 2012/08/07

Inspection Comment: LOGS BEING USED AS GUARDRAILS, APPEARS DOWNSTREAM LOG BROKE AFTER BEING HIT BY WINDFALL.
 Guardrail replacement should include upgrade of curb system to HSS or W beam with galvanized post retrofit. With new anchor bolts field installed insitu. PEng involvement required in prescription. DA. If curb repairs are not



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 71 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)
 completed by next inspection, structure will be downgraded.

3	Required	Low	\$ 1	add bridge ahead signs
2	Complete	Low	\$ 1	add delineators once guardrails installed

Inspection 2015/09/18

Inspection Comment: None of the recommended repairs have been done, both curbs have failed. Local source log curbs until recommended repairs are completed

1	Complete	High	\$ 6,000	<p>Previous inspection and recommended fix are as follows: REPLACE GUARDRAILS, PREVIOUS GUARDRAILS WERE LOGS RESTING ON LOCK BLOCKS, SLAB DO NOT HAVE BOLT HOLES FOR TYPICAL GUARDRAIL MOUNTING. MF</p> <p>Reccomend to replace with Ministry standard HSS or Wbeam curb retrofit system. Contact Drew Alway for details. New galvanized posts (3 per side) and anchor bolts require (2 per post, suggest UCAN heavy anchors 20 mm DIA, minimum 125 mm of embedment with hilti hit epoxy) , field drilled insitu. DA.</p>
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Inspection 2012/08/07

Inspection Comment: LOGS BEING USED AS GUARDRAILS, APPEARS DOWNSTREAM LOG BROKE AFTER BEING HIT BY WINDFALL.
 Guardrail replacement should include upgrade of curb system to HSS or W beam with galvanized post retrofit. With new anchor bolts field installed insitu. PEng involvement required in prescription. DA. If curb repairs are not completed by next inspection, structure will be downgraded.

1	Complete	High	\$ 6,000	<p>REPLACE GUARDRAILS, PREVIOUS GUARDRAILS WERE LOGS RESTING ON LOCK BLOCKS, SLAB DO NOT HAVE BOLT HOLES FOR TYPICAL GUARDRAIL MOUNTING. MF</p> <p>Reccomend to replace with Ministry standard HSS or Wbeam curb retrofit system. Contact Drew Alway for details. New galvanized posts (3 per side) and anchor bolts require (2 per post, suggest UCAN heavy anchors 20 mm DIA, minimum 125 mm of embedment with hilti hit epoxy) , field drilled insitu. DA.</p>
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Inspection 2015/09/18

Inspection Comment: None of the recommended repairs have been done, both curbs have failed. Local source log curbs until recommended repairs are completed

2	Complete	High	\$ 200	<p>Install delineators to new curb system</p> <p>completed after this inspection, under capital works. DA</p>
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Structure #: K1471

Site #:	K1471		Primary User Name:	MINISTRY OF FORESTS, LANDS AND NATURAL
KM:	3.20		Crossing Name:	unknown
Project File ID #:	1422	Br.	02	Forest Service Road: LOST HORSE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/23



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 72 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: The crack at the RB-DS side ballast wall in similar condition as per previous inspection. Otherwise the structure is in good condition. Consider installing no-post barriers to replace the rotten guide logs.

3	Required	High	\$ 600	Install bridge ahead signs.
4	Required	High	\$ 6,000	Install new no-post barriers.
2	Required	Medium	\$ 500	Fill potholes at the approaches. Est. volume 5m3

Structure #: K1432

Site #:	K1432			Primary User Name:	MINISTRY OF FORESTS, LANDS AND NATURAL
KM:	12.50			Crossing Name:	Blowdown Cr.
Project File ID #:	1422	Br.	10	Forest Service Road:	CP 879

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Required	Medium	\$ 2,000	Hand place additional 20 m ³ of 300 mm Dia rip rap to armour footings. DA November 2012.

Structure #: K1671

Site #:	K1671			Primary User Name:	KAMLOOPS FIELD UNIT-BCTS
KM:	3.40			Crossing Name:	unnamed
Project File ID #:	1422	Br.	27	Forest Service Road:	CP 878

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/23

Inspection Comment: 12 stringers are in good condition with no rot.

1	Required	Medium	\$ 400	Fill pothole at right bank. Est. volume=4m3
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Structure #: K1619

Site #:	K1619			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.20			Crossing Name:	unnamed
Project File ID #:	1422	Br.	46	Forest Service Road:	CL1422.46

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/12



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 73 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: No significant issues, stringers sound

1	Required	Low	\$ 200	Install right approach bridge ahead sign
2	Required	Medium	\$ 200	Brush out channel up and downstream

Inspection 2015/09/18

Inspection Comment: Consider changing class of this structure to log, which reflects the structure components better

1	Required	Medium	\$ 300	The structure surface is rough and potholed, grader could pull material onto the structure and level out
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Structure #: K1620

Site #:	K1620		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.60		Crossing Name:	unnamed
Project File ID #:	1422	Br.	46	Forest Service Road: CL1422.46

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/06/04

Inspection Comment: Monitor Item on U/S, right bank sill log exposed. Most likely occurred at time of construction. The abutment is a minor monitor issue that could have been dealt with at time of construction. Three log bundle abutments, lashed and pinned outside stringers. DA

2	Required	High	\$ 2,000	Add minimum of 0.2 m gravel on deck and regrade. DA.
1	Required	Medium	\$ 40	replace delineators

Structure #: WO3458

Site #:	K1668		Primary User Name:	MINISTRY OF FORESTS, LANDS AND NATURAL
KM:	11.40		Crossing Name:	unnamed
Project File ID #:	1422	Br.	50	Forest Service Road: CP 878

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/12

Inspection Comment: No issues this inspection, low bridge much debris upstream. Low flow likely not an issue.

2	Required	Medium	\$ 100	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 74 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Reinstall delineator at left end downstream

Inspection 2013/09/16

Inspection Comment:

1	Required	Low	\$ 200	Add bridge ahead signs
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Inspection 2017/09/12

Inspection Comment: No issues this inspection, low bridge much debris upstream. Low flow likely not an issue.

1	Not Required	Low	\$ 500	Low bridge much debris upstream. Low flow creek likely not an issue.
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Structure #: K1125

Site #:	K1125	Primary User Name:	INTERFOR CORPORATION
KM:	0.40	Crossing Name:	Paul Cr
Project File ID #:	3195	Br.	01
		Forest Service Road:	HYAS LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2002/08/07

Inspection Comment: Overall: Photo was taken of the distortion (out of round) at inlet..

1	Required	Medium	\$ 0	Culvert: Monitor rip rap and culvert distortion. Some distortion (see photo) at inlet. The crown has been pushed out of round, may be a result of the high steep fill and rip rap at the high chain upstream corner.
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Inspection 2006/10/03

Inspection Comment:

1	Complete	Medium	\$ 0	Culvert: Monitor steep rip rap.
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Inspection 2004/08/19

Inspection Comment:

1	Complete	Medium	\$ 0	Culvert: Monitor steep rip rap.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 75 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2000/09/08

Inspection Comment: Overall: Very steep and unstable, a large rock has slipped into the channel at the outlet. (see photo) More is likely to follow. The rip rap is large and stacked very steeply at the low chain downstream corner and the high chain upstream corner, both appear likely to fail.
 Drive by inspection only some small rock has fallen into the channel. Rp01. Environmental: Rip rap may slide into channel..

1	Complete	Medium	\$ 0	Culvert: Monitor closely for failure. N/A monitor item is being taken care off. DA.
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Structure #: K1402

Site #:	K1402		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.80		Crossing Name:	Meadow Cr
Project File ID #:	3714	Br.	01	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
4	Required	Medium	\$ 1,000	Manage surface drainage as too much water is pounding at both approaches. Saturating the approach fills compounding the issues with the ballast wall cracking.

Inspection 2017/09/13

Inspection Comment: No issues

1	Required	Medium	\$ 250	Tighten curbs and bevel cut ends
2	Required	Medium	\$ 300	Install bridge ahead signs

Inspection 2014/09/21

Inspection Comment: Fills are okay.

1	Required	Low	\$ 200	Install bridge ahead signs
3	Complete	High	\$ 200	Trim bracket timber blocks on three corners of skewed bridge to allow for at min 3" gap from ballast wall. As this timber bracket blocks are touching the ballast wall. This is causing the ballast walls to be at rest situation against the approach fill. These forces are higher than the structural strength of the integrated wing wall. Therefore cracking in the wing walls is starting to progress.
2	Complete	High	\$ 5,000	Two loads of clean gravel were hauled from a pit at 4.5km and was spotted at each end. 1) The approach was excavated out to just below the ballast wall 2) The base was levelled by using hand tools 3) A 4' x 8' wall plank was placed on edge against the base of the ballast wall and pressed into place by the excavator. 4) Local material was pressed against the plank up to the top of the plank 5) A non-woven geotextile blanket was placed over the bottom of the excavation



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 76 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

and up to the top of the bridge deck
 6) Clean gravel was placed against the ballast wall with local material back fill used out from the gravel
 7) The approaches were back filled and bucket compacted, levelled and the track compacted.

Structure #: K1403

Site #:	K1403			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.80			Crossing Name:	Ridge Cr
Project File ID #:	3714	Br.	01	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/09/13

Inspection Comment: The bridge ahead signs are not installed. The shear connector welding appears to be not extended enough. Consider installing no-post barriers.

1	Required	High	\$ 600	Install bridge ahead signs.
2	Required	High	\$ 6,000	Install no-post barriers.
4	Required	High	\$ 700	Extend the shear connector welding as per the fabricator specification.
3	Required	Low	\$ 100	Clean deck.

Inspection 2015/09/26

1	Required	Medium	\$ 650	Install bridge ahead signs
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Structure #: K292

Site #:	K292			Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	0.04			Crossing Name:	East Barriere R
Project File ID #:	3986	Br.	01	Forest Service Road:	EAST BARRIERE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/13

1	Required	High	\$ 300	Tree fallen into channel upstream of bridge collecting woody debris. remove tree
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Inspection 2010/07/21

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 77 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 500	brush approaches
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Inspection 2004/03/18

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Tree leaning out onto bridge from upstream side. Remove tree.
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Structure #: K160

Site #:	K160	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	12.76	Crossing Name:	John Cr
Project File ID #:	3986	Br.	01
		Forest Service Road:	EAST BARRIERE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/13

1	Required	High	\$ 400	Brush out bridge and remove tree and other woody deris from upstream of the structure
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Inspection 2013/07/24

Inspection Comment: Monitor for potential scour on Left abutment
 Previous items:
 Curbs have been replaced. Minor sinkhole on Left end is filled.
 Users could add riprap to left bank to alleviate concerns with scour and approach fill erosion. It is fine as a monitor, but may become a repair item in the near future. DA.

1	Required	Low	\$ 500	Install bridge ahead signs on both approaches
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Inspection 2007/06/26

Inspection Comment:

2	Required	Medium	\$ 0	Approach: Brush out around the b ridge.
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Inspection 2001/09/11

Inspection Comment:

1	Complete	Medium	\$ 0	Hazard: Monitor debris build up upstream of the bridge. is a monitor item. DA.
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Inspection 2010/07/21



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 78 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment:

Minor repair in approach fill. DA. 2010

1	Complete	Medium	\$ 2,000	replace curb rails and risers. Completed at time of 2013 inspection. DA.
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Inspection 2007/06/26

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: May require curbs prior to next inspection. Completed at time of 2013 inspection. DA.
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Structure #: K161

Site #:	K161	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	19.94	Crossing Name:	East Barriere R
Project File ID #:	3986	Br.	01
Forest Service Road:	EAST BARRIERE LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/13

Inspection Comment: Bridge ahead signs have been installed

1	Required	High	\$ 400	Brush out around bridge and remove tree from across channel
2	Required	Medium	\$ 2,000	Remove the impact damaged curb straighten or replace bolts and replace

Inspection 2013/07/24

Inspection Comment: Structure OK - missing bridge ahead signs and could use minor brushing

2	Required	Low	\$ 500	minor brushing around bridge corners
1	Complete	Low	\$ 500	install bridge ahead signs on both approaches noted complete during 2016 inspection

Structure #: PS-019

Site #:	K1540	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	14.80	Crossing Name:	Unnamed
Project File ID #:	4482	Br.	01
Forest Service Road:	Cahility Creek FSR		



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 79 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/11/01				
1	Required	Medium	\$ 600	Install bridge ahead signs

Structure #: PS-020

Site #:	K1541	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	16.10	Crossing Name:	unknown
Project File ID #:	4482	Br.	01
		Forest Service Road:	Cahility Creek FSR

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/13				
Inspection Comment: No significant girder anomalies noted.				
3	Required	High	\$ 300	Reinstall delineators
1	Required	Medium	\$ 350	Install bridge ahead signs
2	Required	Medium	\$ 250	Reinstall no post nose at right bank
4	Required	Medium	\$ 300	Clean deck and fill approaches

Inspection 2016/11/01

Inspection Comment: Original Inspection Record didn't have an Inspection date, or Inspector Name or Company. I added the names and entered the date based on the datetimestamp in the data. Confirm the correct date and revise as required.

1	Required	Medium	\$ 600	Install bridge ahead signs
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Structure #: K163

Site #:	K163	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	9.40	Crossing Name:	Cicero Cr
Project File ID #:	4611	Br.	01
		Forest Service Road:	4611



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 80 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/13

Inspection Comment: Aggradation upstream directed thawleg to right bank near inlet. Scour along right upstream bank occurring. Recommend to place rip-rap at toe of fill. Small fish noted in stream upstream of culvert.

1	Required	Medium	\$ 2,000	Place rip-rap at toe of fill right bank upstream for 6 metres.
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Structure #: K1043

Site #:	K1043		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.10		Crossing Name:	Martin Cr
Project File ID #:	4771	Br.	01	Forest Service Road: MAD RIVER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: Structure in good condition.

1	Required	High	\$ 100	RB - fill pothole. Est. volume = 0.5m3
2	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2015/09/03

Inspection Comment: Bridge ahead signs as suggested have not been installed

1	Complete	Medium	\$ 600	Install bridge haead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 200	Brusg out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2012/09/16

Inspection Comment: NO ISSUES, COORDINATES OK
 PB Jan16,2013 Curbs will require replacement prior to next inspection (2 to 3 years as per inspectors comments).



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 81 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

NO ISSUES, COORDINATES OK

PB Jan16,2013 Curbs will require replacement prior to next inspection (2 to 3 years as per inspectors comments).

1	Complete	High	\$ 1	Add 2 bridge ahead signs. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Structure #: K608

Site #:	K608	Primary User Name:	WEST FRASER MILLS LTD.
KM:	6.10	Crossing Name:	Unnamed
Project File ID #:	4771	Br.	01
Forest Service Road:	MAD RIVER		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: The repairs are not completed from the last inspection with exception to the new bridge ahead sign installation and brushing. The upstream side looks clean with no woody debris or rock accumulation. The lean of RB cap is 3 degrees.

1	Required	High	\$ 1,500	LB-US install 2 new no-post barrier segments (#2 and #3) LB-DS connect nose segment
2	Required	High	\$ 1,000	The downstream curb has suffered impact damage. Bolts could be salvaged, but would require 1-3' 10x10" riser timber. Perhaps longer bolts and a wider bottom riser block would allow enough width to escape further damage.

Inspection 2015/09/03

Inspection Comment: The downstream curb has suffered impact damage, see photo. Bolts could be salvaged, but would require 1-3' 10x10" riser timber. The bridge ahead signs have not been installed as suggested. Also noted there is a slight lean to the #2 (town side) sill toward the creek, minimal but should be monitored

1	Required	High	\$ 600	The downstream curb has suffered impact damage, see photo. Bolts could be salvaged, but would require 1-3' 10x10" riser timber. Perhaps longer bolts and a wider bottom riser block would allow enough width to escape further damage.
2	Required	Medium	\$ 600	Install bridge ahead signs
3	Required	Medium	\$ 100	Brush out bridge
4	Required	Medium	\$ 1,000	The #1 approach upstream no posts are not connected

Inspection 2006/10/12

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor debris, rock and woody debris. Very steep rock fall upstream of bridge.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 82 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2003/09/29

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor clearance at the inlet.
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Inspection 2012/09/16

Inspection Comment: COORDINATES - N51 41 27.1, W119 36 12.7
 BEDLOAD BUILD UP AT INLET RIGHT SIDE - DIG OUT
 PB Jan23,2013. See repairs re: debris accumulation.

1	Complete	Low	\$ 500	REPLACE RISERS ON D/S RIGHT SIDE, 2 SETS OF RISERS AND BRACKETS Replaced guardrails and risers. MRF 02/2013
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Structure #: K796

Site #:	K796	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	19.27	Crossing Name:	Mad R
Project File ID #:	4771	Br.	01
Forest Service Road:	MAD RIVER		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/08/02

Inspection Comment: The left bank upstream rip rap is very unstable, lower portion will fail soon. see photo

2	Required	High	\$ 600	Lift no post back up on the road and realign the rest
3	Required	Low	\$ 150	Minor brushing

Inspection 2005/08/02

Inspection Comment:

2	Required	Medium	\$ 0	Abutment: Continue to monitor rip rap. Steep and unstable, material continues to ravel from the front of the bulkhead. This has caused voids to develop behind the bulkheads.
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Inspection 2017/08/02

Inspection Comment: The left bank upstream rip rap is very unstable, lower portion will fail soon. see photo

1	Complete	Medium	\$ 400	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 83 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2011/10/21

Inspection Comment:

PB Mar8.2012 Monitor abutment fills and oversteepend rip rap.

1	Complete	High	\$ 1	add 2 bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 1999/09/16

Inspection Comment:

Overall: Poor rip rap placement may allow overhanging rip rap to fail (see photo). Region: gmc.

1	Complete	Medium	\$ 0	Abutment: Replace rip rap to controll erosion that may expose footings. This is a monitor item MRF 10/14
2	Complete	Medium	\$ 0	Hazard: Monitor rip rap closely for failure if not repaired. This is a monitor item. MRF 10/14

Inspection 2011/10/21

Inspection Comment:

PB Mar8.2012 Monitor abutment fills and oversteepend rip rap.

2	Complete	High	\$ 1	add delineators; 1 left abut, 1 right abut
3	Complete	High	\$ 1	replace guardrails and risers and possibly mounting blocks prior to industrial use Replaced guardrails and risers MRF 02/2013

Structure #: K053

Site #:	K053	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	20.73	Crossing Name:	Unnamed
Project File ID #:	4771	Br.	01
Forest Service Road:	MAD RIVER		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/04

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Inspection 2002/08/16

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor debris dam upstream of bridge.
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Inspection 2017/08/02



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 84 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: The curbs have failed, see photo, traffic hazard

1	Complete	High	\$ 4,000	Curbs and risers have failed due to rot. Materials required: 4-16' and 2-8' curbs 666BF and 12-2' and 12-3' riser blocks 555 BF Completed by BCTS contractor under contract EN19TEE004. (AJS Dec 18 2018)
2	Complete	Medium	\$ 200	Install 4 delineators Completed by BCTS contractor under contract EN19TEE004. (AJS Dec 18 2018)

Inspection 2011/10/21

Inspection Comment:

1	Complete	High	\$ 1	add 2 bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	High	\$ 1	brush out approaches Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2017/08/02

Inspection Comment: The curbs have failed, see photo, traffic hazard

3	Complete	High	\$ 400	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
4	Complete	Medium	\$ 450	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
1	Complete	Low	\$ 1	Replaced guardrails and risers. MRF 02/2013

Structure #: K1175

Site #:	K1175	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	25.37	Crossing Name:	Mad R
Project File ID #:	4771	Br.	01
		Forest Service Road:	MAD RIVER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: Structure in good condition with exception of curb rail system. Few segments were changed recently. Consider installing no-post barrier.

1	Required	High	\$ 200	Install 2 risers 2-10"x10"-36"
2	Required	High	\$ 6,000	Consider installing no-post barriers.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 85 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Medium	\$ 300	Brushing
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Inspection 2015/09/03

Inspection Comment: None of the suggested repairs have been done

1	Complete	Medium	\$ 500	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 200	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2012/09/16

Inspection Comment: NO ISSUES

1	Complete	High	\$ 1	Add 2 bridge ahead signs. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Low	\$ 1	Brush approaches. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Structure #: K1434

Site #:	K1434	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00	Crossing Name:	Mad R
Project File ID #:	4771	Br.	02
Forest Service Road:	SAGER CREEK		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/19

Inspection Comment: No issues
remove abutment repair item as structure was replaced

2	Complete	Low	\$ 1,000	add bridge ahead signs
1	Complete	High	\$ 150,000	GMc May 15/08Either rebuild abutment, install a longer portable or replace with permanent bridge Bridge was replaced MRF 11/2013

Structure #: K1420

Site #:	K1420	Primary User Name:	CANFOR LIMITED
KM:	8.76	Crossing Name:	Unknown
Project File ID #:	4771	Br.	10
Forest Service Road:	HOLE IN THE WALL		



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 86 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2013/09/19				
Inspection Comment: N51 45 40.2 W119 41 22.0 remove rock from outlet				
1	Required	Low	\$ 1,000	remove rock from stream at outlet

Structure #: K1505A

Site #:	K1505	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.20	Crossing Name:	Unknown
Project File ID #:	4771	Br.	18
		Forest Service Road:	SAGER BR 18

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/16				
Inspection Comment: The road shoulder erosion at RB of the bridge is present. The log retaining wall in similar condition as in the last year. The repairs are not completed from the last inspection. Consider installing no-post barriers.				
1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 600	Install bridge ahead signs.
3	Required	High	\$ 500	Water bar or reslope Right bank approach to remove flows onto the bridge, clean deck
Inspection 2017/08/02				
Inspection Comment: The creek runs hard onto the upstream right bank fill and the onto the face of the left bank crib. This has eroded the face of the LB crib which is very rotten. The upstream end of the right bank has failed due to rot. Possibility of erosion and crib failure. Continue to monitor				
2	Required	High	\$ 500	Water bar or reslope Right bank approach to remove flows onto the bridge, clean deck
1	Required	Medium	\$ 400	Install bridge ahead signs



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 87 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2015/09/03

Inspection Comment: No bridge ahead signs have been installed as suggested from last inspection

1	Required	Medium	\$ 500	Install bridge ahead signs
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Inspection 2011/11/17

Inspection Comment: structure was not complete: deck to girder clips were not fastened, approach fill not completed or compacted, no fenders, delineators or bridge ahead signs.

1	Required	High	\$ 1	add 2 bridge ahead signs
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Structure #: K1415

Site #:	K1415			Primary User Name:	INTERFOR CORPORATION
KM:	0.00			Crossing Name:	George Cr
Project File ID #:	5072	Br.	01	Forest Service Road:	VAVENBY-ADAMS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/30

Inspection Comment: It appears that the GPS is incorrect or it is not plotted on the map correctly. The curbs have many rotten risers and some curb timbers have high rot, limited life, plan to replace GPS 11U 0328253 5709144

2	Required	High	\$ 1,000	Reposition nopost fenders
3	Required	Low	\$ 3,000	Curbs will some need replacement, material for full replace: 4-12' and 2-16' 10x10" curb timbers and 10-2' and 10-3' riser blocks 1084BF
1	Required	Medium	\$ 600	Install bridge ahead signs

Inspection 2013/09/27

Inspection Comment:

1	Required	Low	\$ 1,000	Add bridge ahead signs
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Structure #: K816

Site #:	K816			Primary User Name:	INTERFOR CORPORATION
KM:	6.35			Crossing Name:	Roberts Cr
Project File ID #:	5072	Br.	01	Forest Service Road:	VAVENBY-ADAMS



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 88 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
6	Suggested	Medium	\$ 6,000	PB Nov01.2017 Requires mounting block Burrard coupler replacement (grouted or mechanical), existing retrofit connections are stripping out of the concrete. Requires assessment and engineered procedure.

Inspection 2016/09/30

Inspection Comment: Some of the top risers are failing and the remaining curbs and risers range from good to poor. Full replacement or as required.

2	Required	High	\$ 3,800	Some of the risers are failing 4 and 3 curb sections have extensive rot. Repair as required or all
1	Required	Medium	\$ 600	Install bridge ahead signs
3	Required	Medium	\$ 3,000	Excavate and install drain for spring at the left approach

Inspection 2013/09/27

Inspection Comment:

1	Required	Low	\$ 1,000	Install bridge ahead signs
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Inspection 2010/08/17

Inspection Comment: Overall structure is in good repair. consider installing grates at both ends of bridge deck to prevent road surface erosion onto deck.

1	Required	High	\$ 5,000	Reditch approaches to alleviate sedimentation.
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Inspection 2007/09/20

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor rip rap scour. Some scouring of the high chain rip rap.
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Structure #: K845

Site #: K845 **Primary User Name:** CANADIAN FOREST PRODUCTS LTD.

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 89 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	24.58			Crossing Name:	Cedar Cr trib
Project File ID #:	5072	Br.	01	Forest Service Road:	VAVENBY-ADAMS

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2015/09/09				
1	Required	Medium	\$ 200	Brush out the inlet

Structure #: K057

Site #:	K057			Primary User Name:	INTERFOR CORPORATION
KM:	29.96			Crossing Name:	Cedar Cr trib
Project File ID #:	5072	Br.	01	Forest Service Road:	VAVENBY-ADAMS

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2006/10/13				
Inspection Comment: Overall: The first 10 m . Of the culvert has lost the majority of the infill material. The culvert still has some larger rock and pools in this section and is still fish passable. Should erosion continue new material may have to placed at the inlet.. Region: Dec 06/06 GMc Check to ensure fish paasge is still required. If so ensure the material placed in the culvert top replace the blown away bed materials is the same size as the largest stream bed particles. Baffles should be considered to mechanically lock the bed in place.				
1	Required	Medium	\$ 0	Hazard: Monitor bedload erosion and migration. The first 10 m . Of the culvert has lost the majority of the infill material.

Inspection 2002/08/20

Inspection Comment: Overall: Some of the Bedload material placed in the culvert has washed down from the inlet.. Region: GMc.				
1	Required	Medium	\$ 0	Culvert: Monitor erosion of fill in culvert.

Structure #: K059

Site #:	K059			Primary User Name:	INTERFOR CORPORATION
KM:	4.67			Crossing Name:	#2 Goat Cr
Project File ID #:	5072	Br.	04	Forest Service Road:	ADAMS-TUM TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 90 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2017/09/08

Inspection Comment: All the deck components have a limited life, plan for repair. If road is reopened structure will not take much industrial haul

4	Suggested	Medium	\$ 5,000	PB Feb08.2018 Complete timber deck replacement required. Girder ends / flanges and bearings require cleaning. Proper length ballast wall timbers required to retain fill.
1	Required	High	\$ 500	Clean bearings and girder flanges
3	Required	High	\$ 300	Brush out bridge

Inspection 2014/10/09

Inspection Comment: Bearings need cleaning. Install Bridge Ahead signs

3	Required	Low	\$ 500	Install Bridge Ahead signs
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Inspection 2011/07/29

Inspection Comment: West Bridge Corp
 Date 14.3.88
 Serial #3814388
 36000LBS
 L75

1	Required	High	\$ 750	clean bearings
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Inspection 2008/09/15

Inspection Comment:

1	Required	Low	\$ 500	Clean end of girders and bearings. There may not be any ballast walls.
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Structure #: K810

Site #:	K810	Primary User Name:	INTERFOR CORPORATION
KM:	11.02	Crossing Name:	#3 Anderson Cr
Project File ID #:	5072	Br.	04
		Forest Service Road:	ADAMS-TUM TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/23

Inspection Comment: This bridge recently survived a debris torrent, 8' vertical cut banks above and below bridge, most of the rip rap has been washed away. I believe the channel was previously armoured well above the bridge, this too is gone. Some



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 91 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

rock remains in front of the high chain /#1 abutment. The rest is gone and the bed is scoured to near half the height of the lower row of lock blocks. The flow appears to have been to deck height or more.
 The curbs are in relatively poor condition, some risers are rotten and failing but some of the curb timbers are fair. Recommend replace all. Monitor bridge closely if not rebuilt.

1	Required	Medium	\$ 3,000	Curb risers are rotten and failing, some curb timbers have extensive rot, materials to replace all are: 4-10' and 2-8' 10x10" curb timber 467 BF and 8-2' and 8-3' riser blocks 334 BF
2	Required	Medium	\$ 450	Install bridge ahead signs
3	Required	Medium	\$ 250	Brush out bridge
4	Required	Medium	\$ 5,000	Bridge will require rearmouring

Inspection 2013/09/18

Inspection Comment: Appear to be concrete slab girders

PB March 25, 2014. Load rating set to unknown. No file information. Low risk; good for industrial haul.

1	Required	Low	\$ 1,000	Install Bridge Ahead signs
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Inspection 2007/09/20

Inspection Comment: Region: Dec 6/07 GMc New curbs must be installed.

2	Required	Medium	\$ 0	Approach: Brush out.
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Structure #: K621

Site #:	K621	Primary User Name:	INTERFOR CORPORATION
KM:	20.84	Crossing Name:	McConnel Cr
Project File ID #:	5072	Br.	04
Forest Service Road:	ADAMS-TUM TUM		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/21

Inspection Comment: The repairs are not completed from the past inspections. The remaining riprap looks similar as to the last inspection. Consider installing the no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 200	RB-fill potholes. Est. volume 2m3
3	Required	High	\$ 2,000	Install cross drain culvert at RB



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 92 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

4	Required	High	\$ 4,500	Armour both abutments with approved by PEng riprap
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Inspection 2017/03/03

Inspection Comment: As noted in last inspection actions taken know may save this structure from washing out. Repairs might be made without removing the girders. The right bank approach (L/C) also still has water running across the road. Will require a culvert or redirect water. condition static from last inspection

1	Required	High	\$ 1,000	Install a cross drain culvert at the right bank
2	Required	High	\$ 4,500	Armour both abutments
4	Required	High	\$ 400	Brush out the bridge
3	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2016/09/23

Inspection Comment: This structure might well be salvaged if some instream works is done and some rip rap added. The #2/ low chain approach now has some water flowing across the road. Upstream investigation would reveal a course of action Curbs have been updated

3	Required	High	\$ 4,000	Rearmour and place rip rap
1	Required	Medium	\$ 400	Install both bridge ahead signs
2	Required	Medium	\$ 300	Brush out the bridge

Inspection 2013/09/18

Inspection Comment: N51 36 01.3
 W119 15 21.7
 PB March24,2014 Replace all timber components.

3	Required	Low	\$ 1,000	Install Bridge Ahead signs
2	Complete	High	\$ 2,000	Replace all guardrails, riser blocks and bracket blocks.

Inspection 2010/08/18

Inspection Comment: Overall structure is in good repair.
 PB Mar 10/11. Guardrails require repair.

1	Complete	Medium	\$ 5,000	Replace 3 risers and 1-15 guardrail.
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Inspection 2006/10/18

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 93 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 0	Deck: Requires riser block, 26"x10"x10". Split, damaged riser block.
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Structure #: K122

Site #:	K122	Primary User Name:	INTERFOR CORPORATION
KM:	21.18	Crossing Name:	Wallace Cr
Project File ID #:	5072	Br.	04
		Forest Service Road:	ADAMS-TUM TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/23

Inspection Comment: New curbs installed

1	Required	Medium	\$ 400	Install bridge ahead signs
2	Required	Medium	\$ 300	Brush out bridge
3	Required	Medium	\$ 400	Reinstall backer rod at deck joints

Inspection 2013/09/18

Inspection Comment: N51 36 15.0
 W119 14 47.1
 PB March 24.2014 Replace all timber components.

2	Required	Low	\$ 1,000	Install Bridge Ahead signs
3	Complete	High	\$ 5,000	Replace all guardrails, riser blocks and bracket blocks

Inspection 2010/08/17

Inspection Comment: Overall the structure is in good repair with the exception of deck joints and guardrails and risers.
 PB Mar 09/11. Requires deck repairs.

1	Complete	High	\$ 5,000	Replace all mounting blocks, risers and guardrails will not stop any vehicle, also heavy conk and insect damage.
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Inspection 2007/09/20

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 94 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 0	Deck: Extensive rot, not immediately requiring repair. It is unlikely that the curbs will make it to the next inspection.
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Structure #: K1145

Site #:	K1145		Primary User Name:	INTERFOR CORPORATION
KM:	35.34		Crossing Name:	Unnamed
Project File ID #:	5072	Br.	04	Forest Service Road: ADAMS-TUM TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/21

Inspection Comment: Structure is UNSAFE due to missing appropriate connection bolts between girder and lock blocks & ballast wall. The banks under the bridge looks similar as to the last year inspection. Consider installing new abutments, ballast wall and riprap.

1	Required	High	\$ 300	Brush approaches.
2	Required	High	\$ 400	LB-DS repair one no-post barrier segment
3	Required	High	\$ 600	Install bridge ahead signs.
5	Required	High	\$ 1,000	Install appropriate connection bolts between girder and lock blocks/balast wall
4	Required	Medium	\$ 400	Clean bearings

Inspection 2017/08/03

Inspection Comment: The bridge has not suffered further erosion, it is resting on 4 lock blocks, one /bearing. It does not appear to have bearing pads or is it pinned to the blocks. The bridge is not equal elevation at the 4 bearing points. Site plan appears to have been done recently

3	Required	High	\$ 300	Clean bearings
1	Required	Medium	\$ 350	Install bridge ahead signs

Inspection 2016/09/23

Inspection Comment: Bridge does not appear to be level, likely due to the fact that its only resting on individual lock blocks, no bearing pads and not pinned. The deck width is 4.85 m. from curb to curb

1	Required	Medium	\$ 500	Install bridge ahead signs
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Inspection 2015/09/09

Inspection Comment: Bridge ahead not installed as suggested



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 95 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 600	Install bridge ahead signs
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Inspection 2013/09/18

Inspection Comment: N51 41 59.1
 W119 10 36.2

4	Required	Low	\$ 1,000	Install Bridge Ahead Signs
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Inspection 2010/08/17

Inspection Comment: Overall the structure is in good repair.
 PB Mar09/11. Cross ties to be inspected in 2011.

2	Required	High	\$ 5,000	replace log ballast walls with treated timber.
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3	Required	Medium	\$ 5,000	Riprap both banks at each abutment.
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Inspection 2017/08/03

Inspection Comment: The bridge has not suffered further erosion, it is resting on 4 lock blocks, one /bearing. It does not appear to have bearing pads or is it pinned to the blocks. The bridge is not equal elevation at the 4 bearing points. Site plan appears to have been done recently

2	Complete	High	\$ 300	Brush out bridge Brushed out by BCTS road monitor contractor (AJS Jan 4 2018)
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Inspection 2016/09/23

Inspection Comment: Bridge does not appear to be level, likely due to the fact that its only resting on individual lock blocks, no bearing pads and not pinned.
 The deck width is 4.85 m. from curb to curb

2	Complete	Medium	\$ 300	Brush out bridge Brushed out by BCTS road monitor contractor (AJS Jan 4 2018)
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Inspection 2015/09/09

Inspection Comment: Bridge ahead not installed as suggested

2	Complete	High	\$ 250	Brush out bridge Brushed out by BCTS road monitor contractor (AJS Jan 4 2018)
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Structure #: K062

Site #:	K062	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	37.17	Crossing Name:	#9
Project File ID #:	5072	Br.	04
		Forest Service Road:	ADAMS-TUM TUM



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 96 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/23

1	Complete	Medium	\$ 600	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 400	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2013/09/18

Inspection Comment: 119 10 45.2
51 42 53.7

3	Complete	Low	\$ 1,000	add bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2010/08/17

Inspection Comment: Structure overall good repair.

2	Complete	Medium	\$ 5,000	Brush out area. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Structure #: K063

Site #:	K063		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	37.80		Crossing Name:	Lyost Cr
Project File ID #:	5072	Br.	04	Forest Service Road: ADAMS-TUM TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/21

Inspection Comment: Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 300	RB-fill potholes. Est. volume = 3m3
3	Required	High	\$ 6,000	Install no-post barriers.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 97 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Medium	\$ 300	Brush approaches
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Inspection 2015/09/09

Inspection Comment: GPS coords are N 51 43.325 W 119 10.637
 The curbs have been replaced and delins where repaired at inspection. Bridge ahead signs and brushing not done

2	Complete	High	\$ 200	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
1	Complete	Medium	\$ 600	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2012/10/14

Inspection Comment: gps coords were confirmed/corrected in previous inspection. structure data incorrect, structure data sheets filled out and CBR to be corrected and inspection reentered in CBR.

2	Complete	High	\$ 1	add bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
1	Complete	Low	\$ 1	brush Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Structure #: K883

Site #:	K883		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	39.79		Crossing Name:	Camp Six Cr
Project File ID #:	5072	Br.	04	Forest Service Road: ADAMS-TUM TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/08/03				
Inspection Comment: One 14' curb section on the downstream at the right bank end is rotten. Also on the downstream side 3 of the riser connections only have One bolt. This allows the riser to rotate and split. The bottom riser blocks(7) that connect to the panels have only 2 bolts, 3upstream side and 4 downstream. No survey equipment to establish benchmark for girder deflection.				
1	Required	High	\$ 2,000	Replace 14' curb section and 4 -2' and 2 -3' riser blocks
3	Required	High	\$ 500	Reposition the rolled over no post

Inspection 2002/08/14

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor debris.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 98 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2011/10/22

Inspection Comment: one riser should have been replaced as it is rotten. welding on the side of structure indicates this is the old K063 structure!
 PB Mar8,2012 One riser requires replacement.

1	Complete	High	\$ 1	add 2 bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	High	\$ 1	add delineators: 2 right abut, 1 left abut Replaced 4 delineators under contract EN18TEE002. (AJS Dec 3 2018)
3	Complete	High	\$ 500	One riser to replace Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2017/08/03

Inspection Comment: One 14' curb section on the downstream at the right bank end is rotten. Also on the downstream side 3 of the riser connections only have One bolt. This allows the riser to rotate and split. The bottom riser blocks(7) that connect to the panels have only 2 bolts, 3upstream side and 4 downstream.
 No survey equipment to establish benchmark for girder deflection.

2	Complete	High	\$ 300	Brush out bridge Completed by road monitoring contractor. (AJS Jan 12 2018)
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Structure #: K064

Site #:	K064		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	51.84		Crossing Name:	#12
Project File ID #:	5072	Br.	04	Forest Service Road: ADAMS-TUM TUM

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/08/03

Inspection Comment: The concrete girders have unusual and excessive cracks, which are also more pronounced than normal. see photo. All conections checked on top are welded, the deck has a light layer of sand and gravel.

2	Required	High	\$ 300	Tighten curbs and replace missing wahers and nut.
4	Required	Medium	\$ 300	Move no post back into place

Inspection 2005/08/02

Inspection Comment: Overall: Hair line cracks noted.. Region: GMc. Dec 6/05 Cracks should be traced with a felt pens to monitor change. The bridge should be observed from underneath to monitor how wide the cracks become under load.

2	Required	Medium	\$ 0	Abutment: Monitor unstable rip rap.
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Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 99 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Medium	\$ 0	SuperStructure: Monitor cracks in girders. Significantly more cracks than usual, average a crack every 200 mm. Not observable on the top side of the girders.
4	Required	Medium	\$ 0	Hazard: Monitor erosion of rip rap

Inspection 2002/08/14

Inspection Comment:

2	Required	Medium	\$ 0	Hazard: Monitor rip rap erosion.
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Inspection 2017/08/03

Inspection Comment: The concrete girders have unusual and excessive cracks, which are also more pronounced than normal. see photo. All connections checked on top are welded, the deck has a light layer of sand and gravel.

1	Complete	Medium	\$ 400	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2011/10/22

Inspection Comment:

1	Complete	High	\$ 1	add 2 bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2008/09/15

Inspection Comment:

1	Complete	High	\$ 500	Impact damage to one curb section. requires 1-10'x10"x10" timber and 2- 32" riser blocks Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2017/08/03

Inspection Comment: The concrete girders have unusual and excessive cracks, which are also more pronounced than normal. see photo. All connections checked on top are welded, the deck has a light layer of sand and gravel.

3	Complete	High	\$ 400	Brush out bridge Completed by roads monitor contractor. (AJS Jan 12 2018)
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Inspection 2011/10/22

Inspection Comment:

2	Complete	High	\$ 1	add delineators: 2 left abut, 1 right abut Delineators confirmed up by BCTS road monitor in 2016. (AJS Jan 12 2018)
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 100 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K741

Site #:	K741			Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	0.86			Crossing Name:	Adams R
Project File ID #:	5072	Br.	07	Forest Service Road:	TUM TUM-HARBOUR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/21

Inspection Comment: Span 1 and 3 deck is concrete deck. Span 1 (LB side) is good. Span 3 (RB side) - Fair (few damaged edges at the deck joints). The repairs are not completed from the past inspections. Consider installing no-post barrier. High risk of SAFETY.

1	Required	High	\$ 300	Brush approaches
2	Required	High	\$ 600	RB of the bridge - repair damaged concrete deck pannels
3	Required	High	\$ 600	Install bridge ahead signs.
6	Required	High	\$ 6,000	Install no-post barriers.
4	Required	Low	\$ 400	Regrade approaches.
5	Required	Medium	\$ 500	Nail the loose deck segments with long nails

Inspection 2016/08/14

6	Required	Low	\$ 0	Install large delineators at approaches.
7	Required	Low	\$ 0	Remove debris from abutment caps.
1	Required	Medium	\$ 0	Replace damaged blocking and risers at right end downstream corner (900 x 250 mm x 4).
2	Required	Medium	\$ 0	Nail down deck planks with full size spikes.
3	Required	Medium	\$ 0	Regrade approaches.
4	Required	Medium	\$ 0	Install bridge ahead signs.
5	Required	Medium	\$ 0	Consider installing fenders at approaches.

Inspection 2015/09/09



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 101 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: Suggested repairs have not been done. Ground inspection only.

1	Required	Low	\$ 500	Clean sills
2	Required	Medium	\$ 600	Install bridge ahead signs

Inspection 2013/10/08

Inspection Comment: PB Apr 15,2014 See attached Associated Engineering Peeper Inspection for details.

4	Required	High	\$ 500	Remove dirt between girders on sill to prevent rot in sill.
3	Required	Low	\$ 500	Patch chip on 2nd deck panel on RBUS.

Inspection 2012/10/14

Inspection Comment: cbr required update, insufficient and incorrect structure data concrete deck panels at start of each approach for less than 1/2 distance of spans 1 and 3. 1 concrete deck panel has minor chip at one end but no rebar exposed.

1	Required	High	\$ 1	brush out approaches
2	Required	High	\$ 1	add 2 bridge ahead signs

Inspection 2000/07/28

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor recent fill slump at low c chain abutment.
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Inspection 1997/07/10

Inspection Comment: Overall: The high chain approach is quite narrow, more fill and rip rap to retain the fill would help the approach..

1	Required	Medium	\$ 0	Approach: More fill is required at the high chain approach.
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Inspection 1994/09/06

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Redeck bridge and tighten curbs.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 102 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Medium	\$ 0	Abutment: Fill high chain approach.
3	Required	Medium	\$ 0	Approach: Fill in high chain approach.

Inspection 2013/10/08

Inspection Comment: PB Apr 15,2014 See attached Associated Engineering Peeper Inspection for details.

2	Complete	High	\$ 2,000	Replace six rotten curb risers and blocks attached to concrete panels at LB.
1	Complete	Medium	\$ 13,500	Replace rotten deck. 40000x100x3900

Structure #: K1190

Site #:	K1190		Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	1.64		Crossing Name:	Dudgeon Cr
Project File ID #:	5072	Br.	07	Forest Service Road: TUM TUM-HARBOUR

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/29				
2	Required	High	\$ 300	Brush out bridge
1	Required	Medium	\$ 500	Install bridge ahead signs

Inspection 2013/09/18

Inspection Comment: N51 38 32.9
 W119 09 24.4
 Appears to be a composite deck

2	Required	Low	\$ 1,000	Install Bridge Ahead signs
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Inspection 2010/08/17

Inspection Comment: Overall the structure is good in repair.

1	Required	High	\$ 5,000	Brush out approaches delineators hidden and reduced.
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Inspection 2007/09/20

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 103 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Approach: Brush out around the bridge.
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Structure #: K1191

Site #:	K1191	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	10.15	Crossing Name:	Dudgeon Cr
Project File ID #:	5072	Br.	07
Forest Service Road:	TUM TUM-HARBOUR		

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/29				
1	Required	Medium	\$ 600	Intall bridge ahead signs
2	Required	Medium	\$ 500	A spring running in the #2 approach upstream side is running onto the rip rap, divert off road
Inspection 2013/09/18				
Inspection Comment: N51 35 16.3 W119 07 54.8 Ballast wall does not show signs of movement. Cracks on compression side only. Replace guard rails before hauling. PB Apr14,2014 Monitor damage to ballast wall. Likely was hit by bracket block during installation of outside slab.				
2	Required	Low	\$ 1,000	Install Bridge Ahead signs

Structure #: K1143

Site #:	K1143	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	2.00	Crossing Name:	Sunset
Project File ID #:	5072	Br.	08
Forest Service Road:	SUNSET-MAMMOTH		

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/08/03				
Inspection Comment: Curbs and risers are generally poor with a few exceptions. Limited curb and riser life				
2	Required	High	\$ 6,000	Curbs and risers have a limited life consider replacement. Materials required: 12-10', 4 -16' Curb timbers1533BF and 11-2' and11-3' riser blocks 916BF
1	Required	Medium	\$ 400	Install bridge ahead signs



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 104 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/10/09

Inspection Comment: Install Bridge Ahead signs

1	Required	Low	\$ 500	Install Bridge Ahead signs
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Structure #: K1193

Site #:	K1193		Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	4.15		Crossing Name:	Unnamed
Project File ID #:	5072	Br.	08	Forest Service Road: SUNSET-MAMMOTH

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/21

Inspection Comment: The repairs are not completed from the past inspections. Consider installing the no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 2,500	Replace curb rail system
4	Required	High	\$ 600	Install bridge ahead signs.
3	Required	Medium	\$ 300	Brush approaches

Inspection 2015/09/09

Inspection Comment: None of the suggested repairs have been completed

1	Required	High	\$ 5,000	Curbs are rotten, materials required: 516 BF of 10x10" curb timber, 2-19' and 2-12' pieces 8-2' and 8-3' riser blocks 334 BF
2	Required	High	\$ 300	New delineators
4	Required	High	\$ 250	Brush out bridge
3	Required	Medium	\$ 600	Install bridge ahead signs

Inspection 2012/10/14

Inspection Comment: road washed out at 1.5km, remainder of road overgrown and other failing sections and bush is reclaiming the road. structure data inventory and paper inspections required until CBR structure Information is updated



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 105 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

road washed out at 1.5km, remainder of road overgrown and other failing sections and bush is reclaiming the road. structure data inventory and paper inspections required until CBR structure Information is updated

1	Required	High	\$ 1	brush and repair road prior to industrial use
2	Required	High	\$ 1	REPLACE GUARDRAILS AND RISERS PRIOR TO INDUSTRIAL USE
3	Required	High	\$ 1	add delineators; 1 left and 1 right after guardrails replaced.
4	Required	High	\$ 1	Add bridge ahead signs.

Inspection 2005/08/03

Inspection Comment: Overall: Road is washed out at approximately 2km. And is also very overgrown..

1	Required	Medium	\$ 0	Approach: Road into bridge washed out and overgrown. Brush out and repair washout if used for industrial haul
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Structure #: PS-044

Site #:	K1679		Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	6.10		Crossing Name:	Unnamed
Project File ID #:	5072	Br.	08	Forest Service Road: SUNSET-MAMMOTH

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/08/03

Inspection Comment: Tree has fallen over onto the downstream curb, no damage done.

1	Required	High	\$ 200	Tree in downstream channel has fallen across the curb, remove tree
2	Required	Medium	\$ 400	Install bridge ahead signs

Structure #: K733

Site #:	K733		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.72		Crossing Name:	Adams R
Project File ID #:	5072	Br.	10	Forest Service Road: OLIVER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 106 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2018/06/21

Inspection Comment: Cracked footing at ABLB-US looks similar to the last inspections. At LB are missing appropriate connection. This is UNSAFE. It appears that the bearing plates are too small and you cannot connect them at this time. Consider installing connection bolts with alternative adjustment design by QP.

1	Required	High	\$ 1,500	RB-DS side move no-post barrier closer to the bridge LB-DS side replace no. 1 barrier
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Inspection 2017/08/01

Inspection Comment: The ties and decking are good, appears to have been recently replaced. The upstream cracked footing appears unchanged. The right bank bearings are buried, the left bank bearing bolts are all broken. Suggest brushing and cleaning bearings. The bridge is very grown in.

1	Required	High	\$ 400	Brush out around and under the bridge
2	Required	High	\$ 300	Clean bearings and girders

Inspection 2014/07/24

Inspection Comment: PB Jan26,2015 Detailed peeper inspection results attached as PDF document.

3	Required	Low	\$ 1,000	Clear debris from bearings, abutment sills, girder ends and girder flanges.
8	Required	Low	\$ 400	Repair approaches.
9	Required	Low	\$ 600	Brushing adjacent to both ends of bridge.
10	Required	Low	\$ 750	Repair delamination in left end downstream pedestal.

Inspection 2006/08/31

Inspection Comment:

1	Required	Medium	\$ 0	SuperStructure: Monitor bearing crack in concrete at the high chain upstream girder end.
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Inspection 1997/07/10

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor block cracks in sill at high chain upstream.
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Inspection 2014/07/24

Inspection Comment: PB Jan26,2015 Detailed peeper inspection results attached as PDF document.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 107 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

7	Complete	High	\$ 650	Replace section of curb rail at right end upstream corner (approx 6m long & 275 bd ft) where connection to blocking has failed. Complete Take of and Replacement was completed by M and B Construction Ltd. (DHP 16/03/05)
11	Complete	High	\$ 500	Install bridge ahead signs at both approaches. Completed by M and B Construction Ltd. (DHP 16/03/05)
4	Complete	Medium	\$ 600	Realign downstream fenders & replace damaged section at right end downstream corner. Completed by M and B Construction Ltd. (DHP 16/03/05)
1	Complete	High	\$ 500	Install load posting signs until deck is replaced. Deck is replaced with complete take of and replacement in 2015 - M and B Construction (DHP16/03/05).
2	Complete	High	\$ 35,000	For industrial hauling replace deck and ties (11200 bd ft). Complete take of and replacement completed by M and B Construction (DHP 16/03/05).
5	Complete	High	\$ 150	Replace right end upstream and left end downstream delineators. All new delineators installed on tele-spar posts. Lags may need loosening to prevent damage if hit.
6	Complete	High	\$ 16,000	Replace right end upstream and left end downstream delineators.

Inspection 2013/09/18

Inspection Comment:

PB Apr 10,2014 Continue to monitor cross ties for signs of rot. Annual inspection until deck replaced. See repairs. Users should anticipate downrating of structure by March 31, 2015 depending on tie condition and results of 2014 inspections.

5	Complete	Medium	\$ 500	Re-install overturned no-post fender Complete by M and B Construction Ltd. (DHP 16/03/05)
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Inspection 2012/06/20

Inspection Comment:

None of the repairs as recommended by last inspections were implemented.
 PB Jan23,2013 Monitor bearing crack in concrete at the high chain upstream girder end as noted in previous inspections. Monitor cross ties for signs of rot.

4	Complete	High	\$ 1	Add 2 bridge ahead signs. Complete by M and B Construction Ltd. (DHP 16/03/05)
2	Complete	Low	\$ 1,000	Replace rotten planks: 4 x 10 - Few rotten planks (~6 boards 8' long) Complete Take of and Replacement was completed by M and B Construction Ltd. (DHP 16/03/05)
3	Complete	Low	\$ 1,000	Replace the two (2 x 10') approaching rails section Complete Take of and Replacement was completed by M and B Construction Ltd. (DHP 16/03/05)

Inspection 2009/10/20

Inspection Comment:

Timber guard rail damaged from impact at both ends on downstream side.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 108 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 2,500	replace riser blocks (x2) at ends and replace guard rail timbers (2 @ 10ft) where damaged at ends of bridge. Also, add 1 row of deck planks to each side of existing deck to fill large large gap between edge of deck and guard rail - see photos Complete Take of and Replacement was completed by M and B Construction Ltd. (DHP 16/03/05)
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Inspection 2000/07/25

Inspection Comment: Overall: Requires new deck and curbs..

1	Complete	Medium	\$ 0	Deck: Requires new deck and curbs, plus the ties are looking fairly rotten and some will require replacement. Complete Take of and Replacement was completed by M and B Construction Ltd. (DHP 16/03/05)
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Structure #: K061

Site #:	K061	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	5.34	Crossing Name:	Oliver Cr
Project File ID #:	5072	Br.	10
		Forest Service Road:	OLIVER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/25

Inspection Comment: The Structure in good condition. The curb rails likely has 3-5 of years left. The road access by the ATV due to landslide.

1	Required	Medium	\$ 200	LB- fill potholes. Est. volume=2m3
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Inspection 2013/09/18

Inspection Comment: PB Apr10,2014. Outstanding curb and risers repairs.

4	Complete	Low	\$ 1,000	Install Bridge Ahead Signs Complete by M and B Construction Ltd. Signs on Telespar with Concrete bases(DHP 16/03/05)
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Inspection 2012/06/20

Inspection Comment: The rail section and risers from last inspection were not replaced.
PB Jan 15,2013 Outstanding repairs to curbs, risers and blocks.

1	Complete	Low	\$ 500	Reinstall no post barriers
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Inspection 2013/09/18

Inspection Comment: PB Apr10,2014. Outstanding curb and risers repairs.

10	Complete	Medium	\$ 1,000	re-install approach barriers Complete by M and B Construction Ltd. (DHP 16/03/05)
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 109 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

re-install approach barriers
 Complete by M and B Construction Ltd. (DHP 16/03/05)

Inspection 2012/06/20

Inspection Comment: The rail section and risers from last inspection were not replaced.
 PB Jan 15,2013 Outstanding repairs to curbs, risers and blocks.

3	Complete	Low	\$ 2,000	Repair rails (2 10' sections), risers and hardware. Complete by M and B Construction Ltd. Repair actual cost includes mob cost of \$250.00(DHP 16/03/05)
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Inspection 2009/10/20

Inspection Comment:

1	Complete	High	\$ 2,000	replace riser block and guard rail section (10') see photo Complete by M and B Construction Ltd. Repair actual cost includes mob cost of \$250.00(DHP 16/03/05)
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Structure #: K1126

Site #:	K1126	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	6.25	Crossing Name:	Unnamed
Project File ID #:	5072	Br.	10
		Forest Service Road:	OLIVER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/25

Inspection Comment: The Structure is in good condition. The riprap looks similar to the last inspection. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
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Inspection 2015/09/02

Inspection Comment: Appears all suggested repairs from last inspection have been completed, with the exception of brushing

1	Complete	Medium	\$ 200	Brush out bridge Completed by BCTS roads monitor contractor (AJS Jan 12 2018)
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Inspection 2012/06/20

Inspection Comment: PB Jan 21,2013 Monitor high chain downstream rip rap for stability. Toe was lost as noted in 2006 inspection. Guardrails require replacement.

1	Complete	Low	\$ 500	Brushing of approaches
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 110 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Completed by BCTS road monitor contractor (AJS Jan 12 2018)

5	Complete	High	\$ 1	Add bridge ahead signs. Complete by M and B Construction Ltd. (DHP 16/03/05)
4	Complete	High	\$ 10,000	Replace rail with start of industrial activity Complete by M and B Construction Ltd. Repair actual cost includes mob cost of \$250.00(DHP 16/03/05)

Structure #: K802

Site #:	K802		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	7.77		Crossing Name:	Oliver Cr
Project File ID #:	5072	Br.	10	Forest Service Road: OLIVER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/25

Inspection Comment: Structure in good condition.

1	Required	High	\$ 300	RB-DS side repair damaged precast deck. Contact RBE for prescription.
2	Required	Medium	\$ 300	Brush approaches

Inspection 2014/10/09

Inspection Comment: Guardrails need replacement before hauling
 PB Jan26,2015 Replace all timber components.

1	Complete	Low	\$ 500	Install bridge ahead signs
2	Complete	Low	\$ 3,000	Replace guardrails prior to industrial hauling

Structure #: K669

Site #:	K669		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	11.48		Crossing Name:	Oliver Cr
Project File ID #:	5072	Br.	10	Forest Service Road: OLIVER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/25

Inspection Comment: The spread footing at RB side is exposed but not undermined. At the LB side the geotetile is covering the footings, could not assess properly. Noted some debris at the girder at US side showing that the water was flowing above the curent girder elevation. Consider replacing the a structure with the new longer structure.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 111 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

The spread footing at RB side is exposed but not undermined. At the LB side the geotextile is covering the footings, could not assess properly. Noted some debris at the girder at US side showing that the water was flowing above the current girder elevation. Consider replacing the structure with the new longer structure.

1	Required	High	\$ 10,000	Reinstall the bridge at higher elevation.
2	Required	High	\$ 1,500	Replace all running planks
3	Required	High	\$ 1,500	Install the new no-post barrier at RB-/DS corner and realign the existing barrier at LB-DS corner.
4	Required	Medium	\$ 300	Brush approaches.

Inspection 2017/08/01

Inspection Comment: This bridge is very low for the volatile and high flow fluctuations. The bridge has been damaged from a debris dam against the bridge. The upstream has been damaged as a result of the debris dam or probably from the removal of the debris. Both of the abutments have had most of the rip rap washed away. The upstream girders bottom flange has been bent downstream as well as bowed along its length. The diagonal braces at this location are bent, see photos
 Traffic cones have been nailed to the deck to keep traffic centered on the deck.
 Bridge height may be a concern in the future, consider removal repair and rebuild at a higher elevation

1	Required	High	\$ 0	Remove Bridge repair and reinstall at a higher elevation
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Inspection 2014/10/09

Inspection Comment: Decking is new.

4	Required	Medium	\$ 1,000	Move right d/s fender back into position
3	Complete	Low	\$ 800	Install bridge ahead signs Complete by M and B Construction Ltd. (DHP 16/03/05)

Structure #: K1503

Site #:	K1503		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	17.60		Crossing Name:	Unknown
Project File ID #:	5072	Br.	10	Forest Service Road: OLIVER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2012/06/19

Inspection Comment: Structure was surveyed to be replaced during inspection
 PB Jan 15, 2013 Monitor abutment for further scour. Structure should be replaced or reinstalled on reconstructed abutments c/w rip rap and new deck, ties and curbs. Maintain 5 tonne rating. LC sill was repaired in 2012.

1	Complete	High	\$ 1
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 112 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Add 2 bridge ahead signs

Inspection 2011/10/22

Inspection Comment: right abutment is heavily scoured. Another large flow will likely erode the sill log from under the structure. PB Mar7.2012 This structure should be replaced in 2012 or downrated to 5 tonnes.

1	Complete	High	\$ 1	add 2 bridge ahead signs
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Inspection 2010/07/18

Inspection Comment: Labelled as permanent built as temporary.

2	Complete	High	\$ 1	Add 2 Bridge Ahead signs.
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Inspection 2011/10/22

Inspection Comment: right abutment is heavily scoured. Another large flow will likely erode the sill log from under the structure. PB Mar7.2012 This structure should be replaced in 2012 or downrated to 5 tonnes.

2	Complete	High	\$ 1	add delineators, 2 left abut, 1 right abut
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3	Complete	High	\$ 1	replace running deck and guardrails prior to industrial use
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Inspection 2010/07/18

Inspection Comment: Labelled as permanent built as temporary.

1	Complete	High	\$ 1	Replace log sills with new temporary or permanent materials.
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Structure #: K1504A

Site #:	K1504	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	20.50	Crossing Name:	Unknown
Project File ID #:	5072	Br.	10
		Forest Service Road:	OLIVER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/25

Inspection Comment: The movement of the material in the creek is significant. In our opinion the clearance under the bridge is getting smaller compared to the last inspection. The bedload under the girder in the middle is getting larger. Consider installing no-post barriers.

1	Required	High	\$ 6,000	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 113 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Install no-post barriers.
3	Required	High	\$ 5,000	PB Feb01.2019 The channel in the vicinity of the bridge should be heavily dredged to avoid damage or loss of the structure should a debris or highflow event occur.
2	Required	Medium	\$ 100	Fill pothole at LB. Est. volume=1m3

Structure #: K1164

Site #:	K1164			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	18.10			Crossing Name:	Unnamed
Project File ID #:	5072	Br.	13	Forest Service Road:	SOUTH DUDGEON

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/21

Inspection Comment: The pipes at LB are leaning: DS side - 6 degrees, US side 5 degrees. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-ost barriers.
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Inspection 2017/09/08

Inspection Comment: The rotating left bank pipe columns appears to be unchanged. The curbs have had some upgrades but many have limited life.

1	Complete	High	\$ 2,500	Listed curbs just marginal, consider replacement. 2-16' 3- 10' and 21 riser blocks Replaced 9 mounting blocks and 9 risers. Replaced 2@15' and 4@10 of guard rail. Contract EN18TEE002. (AJS Dec 3 2018)
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Inspection 2016/09/29

Inspection Comment: Some curb/riser repair required. The #1 pipe columns are leaning back toward the approaches causing the bearing plates to pinch at the front, see photos

1	Complete	High	\$ 2,000	Replace 4 riser blocks and one 16' 10x10" curb Replaced 9 mounting blocks and 9 risers. Replaced 2@15' and 4@10 of guard rail. Contract EN18TEE002. (AJS Dec 3 2018)
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Inspection 2015/09/09

Inspection Comment: The bridge ahead signs have been installed, the curbs have not been.

1	Complete	High	\$ 1,500	Replace two sections of curb and 6 risers and 2 bolt Materials required: 1- 10' and 1-15' curb sections and 3-2' 3-3' riser blocks 333Bf Replaced 9 mounting blocks and 9 risers. Replaced 2@15' and 4@10 of guard rail. Contract EN18TEE002. (AJS Dec 3 2018)
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 114 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/09/10

Inspection Comment: P.Eng. inspection required on left side posts and bearing sandwiches.

2	Complete	High	\$ 1,000	Replace broken curbs Replaced 9 mounting blocks and 9 risers. Replaced 2@15' and 4@10 of guard rail. Contract EN18TEE002. (AJS Dec 3 2018)
3	Complete	Low	\$ 500	Install bridge ahead signs

Structure #: K1669

Site #:	K1669	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	0.30	Crossing Name:	Roberts Creek
Project File ID #:	5072	Br.	20
		Forest Service Road:	ROBERTS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: No large collection of woody debris upstream noted . The repairs are not completed from the last inspection.

1	Required	High	\$ 100	Fill the sink hole at LB.
3	Required	High	\$ 2,000	Replace curb rail system

Inspection 2016/10/01

Inspection Comment: This structure is a L75 Ruskin super serial #06400
The curb to curb inside is 4.27 and the deck width is 3.65 m.

1	Required	High	\$ 2,500	Curb timbers have extensive rot. Curbs are are bolted to metal riser brackets. Materials recommended: 4-12' and 4-10' 734BF
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Inspection 2015/09/17

Inspection Comment: This is Ruskin manufactured steel I beam Structure. It is on a 2-3% grade up to the High chain approach (#1)

1	Required	Medium	\$ 300	Clean bearings and gider flanges
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Structure #: K1681

Site #:	K1681	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	2.40	Crossing Name:	Lecelerc Cr
Project File ID #:	5072	Br.	20
		Forest Service Road:	ROBERTS CREEK



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 115 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/09

Inspection Comment: The log culvert/bridge 8.5 m. long with a clear span of 7.3 m. It appears that the structure is comprised of 2 layers of logs and a layer of fill contained by a log on each side. This is only a presumption as the second layer is not accessible. Gaps between lower logs appear to be geotextile encased logs. The outside width is 8.25 m. and the road width is 7.0 m. The two log retaining the deck fill are not cabled or pinned. Addition of curb logs or no posts should be considered.
 The lower two rows of logs are all cabled through the mid span and the outside 2 logs are cabled toger 1.0 m in from the ends. The bottom row of 12 unpeeled fir average 640 mm. in dia. It is supposed that the second row is 10 logs of similar dimensions. The lower 2 row depth is 1.4 m +/-
 Sill logs are single 700 mm logs, all logs have not been peeled. Gravel deck fill is encased in geotextile

1	Required	High	\$ 2,000	Intall curb protection and perhaps fenders
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Structure #: K1691

Site #:	K1691	Primary User Name:	CLEARWATER FIELD UNIT-BCTS
KM:	2.00	Crossing Name:	Unknown
Project File ID #:	5072	Br.	25
		Forest Service Road:	S. DUDGEON BR25

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/08

Inspection Comment: This culvert is an aluminium, the fill at inlet is 0.4 m and the outlet is 1.3 m. The footing has been eroded and the culvert is mishaped along its length from this condition.

1	Required	High	\$ 200	Brush out the outlet
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Structure #: TKA009

Site #:	K1672	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	15.00	Crossing Name:	unnamed
Project File ID #:	5451	Br.	08
		Forest Service Road:	KA5451.08

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/28

Inspection Comment:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 116 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure is new. Missing connection bolts between bearing timbers and girder from inside.

1	Required	High	\$ 500	Connect the girder to the bearing timbers with appropriate connection bolts from inside. Need to drill the hole in the bearing pads.
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Structure #: K1595

Site #:	K1595		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.60		Crossing Name:	Barnes Creek
Project File ID #:	5483	Br.	27	Forest Service Road: KA R17698

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/09/13

Inspection Comment: Structure in good condition. Consider installing no-post barriers.

3	Required	High	\$ 6,000	Install no-post barriers.
4	Required	High	\$ 200	Fill potholes at RB side - est. volume =2m3.
2	Required	Low	\$ 100	Clean deck.
1	Required	Medium	\$ 150	Brush US side of the bridge.

Inspection 2012/06/20

Inspection Comment: (Qx4) slab girders. 1060mm x 400mm deep. Welded shear key connections. Site ID plate installed D/S R/B No record drawings. Load rating based on utilization and no identifiable damage to the girders. Previous curb repairs most likely did not replace bracket and riser timber blocks. DA.

2	Complete	Low	\$ 100	Brush out approach on upstream right bank approach.
1	Complete	Medium	\$ 2,000	Replace curb risers (600mm x 10" x 10") 10 required. Replace curb blocks (800mm x 10" x 10") 10 required. Replace due to ant damage and rot. Clean fill off of all curb blocks and risers to prevent rot. Curbs were recently replaced. Recommend using treated wood for curb riser and block replacement.
3	Complete	High	\$ 0	BCTS Kamloops has replaced the riser support blocks, riser blocks and gaurdrails on this bridge. All new hardware was used to attach the new components to the bridge.

Structure #: K021

Site #:	K021	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	1.21	Crossing Name:	White R



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 117 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #: 5922 Br. 01 Forest Service Road: NORTH BLUE

REPAIRS

Repair #	Status	Priority	Estimate	Description
6	Suggested	Low	\$ 8,000	PB Feb01.2019 Recommend approach works to improve vertical and horizontal alignment at both approaches. Grout repair outstanding for ballast wall. Contact RBE for prescription.

Inspection 2018/06/17

Inspection Comment: The repairs are not completed from the last inspection with exception of brushing. The bearing assembly at both abutments is similar to the last inspection. Repairing ballast wall with exposed ribbar which is rusting is important. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
4	Required	High	\$ 600	Install bridge ahead signs.
3	Required	Low	\$ 300	Grout chipped top edge of the #1 downstream ballast wall
2	Required	Medium	\$ 200	RB and LB-Fill small potholes. Est. volume=2m3

Inspection 2015/08/15

Inspection Comment: This structure is not well aligned vertically, the bridge is on approximately on a 3% grade down from the high chain, level would have suited this site. This grade aggravates the low chain approach alignment. The issues noted re: the #2 abutment bearings are the result of the grade of the girders not mirrored in the cutoff of the pipe column. This has caused the front to compress/pinch the bearing pad. It does not appear to bottom out at the pinched edge. Also noted the #2 girder ends are not resting well over the pipe, see photo. The #1 abutment if fine

1	Required	High	\$ 300	Brush out bridge
2	Required	Low	\$ 300	Grout chipped top edge of the #1 downstream ballast wall
3	Required	Medium	\$ 350	Install 2 bridge ahead signs

Inspection 2012/09/15

Inspection Comment: RIGHT ABUTMENT BEARING PADS ARE SQUISHING OUT OF BEARING PLATE, TOP PLATE OF BEARING SANDWICH IS NOW BENT AS A RESULT - WILL NEED TO JACK UP WOODS END OF BRIDGE SLIGHTLY TO REPAIR
 NO OTHER ISSUES

2	Required	High	\$ 1	Add 2 bridge ahead signs.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 118 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2011/10/24

Inspection Comment: bearing pads on right abutment (high chain side) have only 2mm remaining before the girder is resting fully onto the pile. Left abutment bearing pads are fair.
 PB Feb10,2012. Inspect guardrails for repair in 2012.

2	Required	High	\$ 1	add 2 bridge ahead signs
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Inspection 2010/07/19

Inspection Comment: Guardrails need to be addressed as is safety issue with many public users.
 PB Mar 01/11. Replace curbs, risers and bracket blocks.

2	Required	Low	\$ 5,000	RegROUT deck joints in next or two.
3	Required	Medium	\$ 5,000	Brush out bridge site.

Inspection 2007/09/26

Inspection Comment:

2	Required	Medium	\$ 0	Approach: Brush out bridge.
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Inspection 2011/10/24

Inspection Comment: bearing pads on right abutment (high chain side) have only 2mm remaining before the girder is resting fully onto the pile. Left abutment bearing pads are fair.
 PB Feb10,2012. Inspect guardrails for repair in 2012.

1	Complete	High	\$ 1	replace mounting blocks, risers and guardrails
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Inspection 2010/07/19

Inspection Comment: Guardrails need to be addressed as is safety issue with many public users.
 PB Mar 01/11. Replace curbs, risers and bracket blocks.

1	Complete	High	\$ 5,000	Replace mounting blocks, risers and guardrails.
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Structure #: K899A

Site #:	K899	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	2.58	Crossing Name:	Unnamed
Project File ID #:	5922	Br.	01
Forest Service Road:	NORTH BLUE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 119 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2018/06/17

Inspection Comment: Structure in good condition with exception to deck.

1	Required	High	\$ 1,000	At both ends of the deck slabs fill the cap connection holes with grout.
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Structure #: K1539

Site #:	K1539	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.40	Crossing Name:	Unknown
Project File ID #:	6545	Br.	01
		Forest Service Road:	MCMURPHY FSR

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/21				
1	Required	Medium	\$ 200	Brush out inlet

Structure #: K2005

Site #:	K2005	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.50	Crossing Name:	Unnamed
Project File ID #:	6545	Br.	07
		Forest Service Road:	MCMURPHY-IVY

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/21				
Inspection Comment: Curbs and risers have significant rot and should be monitored				
3	Complete	High	\$ 300	Brush out the bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
1	Complete	Medium	\$ 400	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 500	Both the first sections of the downstream noposts have been knocked over, reinstall Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2013/09/20

Inspection Comment: no issues

1	Complete	Low	\$ 1,000	add bridge ahead signs
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 120 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)
 Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2007/10/04

Inspection Comment:

1	Complete	Medium	\$ 0	Approach: Brush out. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Structure #: K1158

Site #:	K1158	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.66	Crossing Name:	Unnamed
Project File ID #:	6545	Br. 08	Forest Service Road: MCMURPHY-LEYDEN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: Structure in good condition. Brushing still not completed.

1	Required	Medium	\$ 300	Brush approaches.
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Inspection 2015/09/03

Inspection Comment: Previous inspections mentioned bedload build up, it does not appear to be an issue and continues to flush through

1	Required	High	\$ 300	Brush out the creek channel at the inlet
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Structure #: K1075

Site #:	K1075	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	2.12	Crossing Name:	Unnamed
Project File ID #:	6545	Br. 08	Forest Service Road: MCMURPHY-LEYDEN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: Structure in good condition.

1	Required	Low	\$ 300	Brush approaches
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 121 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K1147

Site #:	K1147			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.36			Crossing Name:	Unnamed
Project File ID #:	6545	Br.	08	Forest Service Road:	MCMURPHY-LEYDEN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: Culvert is not plugged with woody debris. The repairs are not completed from the previous inspections. Road very brushy. ATV access.

1	Required	Medium	\$ 300	Brush approaches.
2	Required	Medium	\$ 200	Remove the tree from the approach

Inspection 2015/09/03

Inspection Comment: The road ends just beyond the culvert

1	Required	Low	\$ 200	Trees across the #2 approach
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Inspection 2006/09/01

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor piping.
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Structure #: K1080

Site #:	K1080			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.25			Crossing Name:	Unknown
Project File ID #:	6545	Br.	09	Forest Service Road:	MCMURPHY-LABBY

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/10/15

Inspection Comment:

1	Required	Medium	\$ 1,000	remove log at outlet
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 122 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2007/10/04

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Remove tree from the outlet and from the low chain ditch line.
2	Required	Medium	\$ 0	Culvert: Remove tree from the outlet and from the low chain ditch line.

Structure #: K1082

Site #:	K1082		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.23		Crossing Name:	Unnamed
Project File ID #:	6545	Br.	09	Forest Service Road: MCMURPHY-LABBY

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/10/15

Inspection Comment:

1	Required	Low	\$ 1,000	weir
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Inspection 2007/10/04

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Clear woody debris from inlet.
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Inspection 2005/10/10

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Clear debris from inlet.
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Structure #: K1081

Site #:	K1081		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.12		Crossing Name:	Unnamed
Project File ID #:	6545	Br.	11	Forest Service Road: MCMURPHY-ROWAN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 123 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2013/09/20

Inspection Comment: no issues

3	Required	Low	\$ 2,000	brush road
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Structure #: K1133

Site #:	K1133	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.24	Crossing Name:	Unnamed
Project File ID #:	6545	Br.	14
		Forest Service Road:	MCMURPHY-LEYDEN SPUR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/21

1	Required	Medium	\$ 300	Brush out road and inlet
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Structure #: K1506

Site #:	K1506	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.00	Crossing Name:	Unknamed
Project File ID #:	6545	Br.	15
		Forest Service Road:	STEARNS CREEK FSR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/08/14

Inspection Comment: structure overall in good repair. Structure and site data updated.
 PB Mar09/11 Requires deck repairs prior to industrial haul.

3	Required	Medium	\$ 1	Remove gravel from deck caused by road erosion
4	Complete	High	\$ 15,600	Timber take off and repair required for March 2016 (DHP 02/16). Completed by Wadlegger Logging and Construction Ltd. Steel girder and bush side ballast wallrequired some adjustment to fit 5 pressure treated 3.5 metre timber deck panels (DHP 16/03/05).



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 124 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2010/08/14

Inspection Comment: structure overall in good repair. Structure and site data updated.
 PB Mar09/11 Requires deck repairs prior to industrial haul.

2	Complete	High	\$ 1	Add 2 Bridge Ahead signs
1	Complete	High	\$ 1	Replace guardrails within next year or so or prior to industrial haul.

Structure #: K1078

Site #:	K1078	Primary User Name:	INTERFOR CORPORATION
KM:	0.16	Crossing Name:	Gollen Cr
Project File ID #:	7458	Br.	01
Forest Service Road:	ADAMS WEST		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: The riprap looks similar to the last year inspection. The banks looks similar to the last year inspection. Brushing completed. Installed no-post barriers are not spread enough. No sink hole noted-completed. Please remove old Repairs and Monitorings from the list.

1	Required	High	\$ 800	Install compression seal between the pannels
3	Required	High	\$ 600	Repair damaged concrete deck pannels from underneath.

Inspection 2015/09/11

Inspection Comment: Curbs and bridge ahead signs have been installed

3	Required	Medium	\$ 300	Parge the panel crack bottom side at the first panel from the #2 approach
4	Required	Medium	\$ 1,500	The creek is dry, material could be added to controll erosion of rip rap as this time

Inspection 2010/08/17

Inspection Comment: Overall Structure requires minor work to put back into good repair.
 PB Mar08/11 Contact Reg Bridge engineer for grout pocket repair prescription.

1	Required	Medium	\$ 5,000	Armour bank upstream from right abutment.
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Inspection 2017/09/08

Inspection Comment: The spalling underside of the panel is likely caused by the close proximity of the two panels, see photo



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 125 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	High	\$ 300	Fill in panel gaps
2	Complete	Low	\$ 200	Minor brushing

Inspection 2016/09/30

Inspection Comment: Bridge ahead signs have been installed. Erosion is stable

1	Complete	High	\$ 300	Fill in deck panel gaps
2	Complete	Medium	\$ 1,000	Install nopost transition end sections

Inspection 2015/09/11

Inspection Comment: Curbs and bridge ahead signs have been installed

1	Complete	High	\$ 200	Fill in sink hole at the #2 approach
5	Complete	Low	\$ 50	Install 2 bridge washers on curbs
6	Complete	Low	\$ 600	Add fender transition pieces and align
2	Complete	Medium	\$ 300	Fill in gaps between deck panels with specified compressions seals.

Inspection 2013/09/27

Inspection Comment: P. Eng. inspection recommended to determine procedure to repair rebar exposed rebar on underside of deck at each end of the bridge.

PB March24.2014 Continue to monitor for scour. Scheduled for professional inspection and prescription. Bridge is non-composite therefore end panels can be replaced if/when required.

4	Complete	Low	\$ 500	Reset fenders so they protect curbs. Cost does not include mob-demob. Repair may not prove effective if grader pushes concrete fenders to side.
1	Complete	High	\$ 2,000	Repair concrete where there is exposed rebar on the underside of the two end deck panels. Recommend P.Eng to inspect and establish repair procedure.
2	Complete	High	\$ 5,000	Replace curbs, curb risers and mounting blocks. If curbs not replaced tighten bolts.
3	Complete	Low	\$ 600	Install bridge ahead signs on both approaches

Structure #: K813

Site #: K813 **Primary User Name:** INTERFOR CORPORATION

KM: 0.74 **Crossing Name:** Burton Cr

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 126 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #: 7458 Br. 01 Forest Service Road: ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/30

Inspection Comment: This super elevated bridge is also a composite design. There bolts missing at most connections and plan brace bolts are upside down.
 The bearings are covered in dirt.
 Curbs and risers require replacement
 Bridge should be reassessed

1	Required	High	\$ 5,500	Most curb components have extensive rot, material required for full replacement: 2-18' and 4-16' 10x10" curb timbers 834BF 14-2' and 14-3' riser blocks 584 BF
2	Required	High	\$ 1,000	Redo brace connections, replace missing and flip upside down bolts
3	Required	High	\$ 400	Clean bearings and flanges

Inspection 2013/09/27

Inspection Comment: At User Km 74.4

1	Required	Low	\$ 1,000	Install Bridge Ahead Signs
2	Required	Low	\$ 1,000	Install Delineators

Inspection 2010/03/17

Inspection Comment: Overall, structure in good repair. Structure found at 74.5km on ADAMS WEST Road, crossing name is Burton Creek GPS coords are out by 20km. Site coordinates for this site are Long 119 27' 58.6", Lat 51 28' 58.1". Structure ID plate says right structure GPS says wrong location.
 PB Mar11/11 Coordinates updated.

1	Required	Medium	\$ 5,000	Clean off bearing pads.
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Inspection 2001/03/06

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Repair curb risers and rotten curb sections.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 127 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K166

Site #:	K166			Primary User Name:	INTERFOR CORPORATION
KM:	17.92			Crossing Name:	Sinmax
Project File ID #:	7458	Br.	01	Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/13				
Inspection Comment: Some of the deck areas not covered in gravel reveal a deficiency of grout in the deck joints, see photo. This is likely caused by abrasion of gravel on the less than solid grout. Consider cleaning deck and further examining this condition. A lack of rip rap at the right bank and over steepened fill has caused raveling back toward the sill.				
2	Required	Low	\$ 300	Reinstall nose section of right downstream no post
1	Not Required	High	\$ 1,000	Clear deck and examine deck grout joints

Inspection 1999/08/18

Inspection Comment: Region: Erosion continues on the #2 upstream side of the road fill. Not a concern yet, but should be monitored.. RegionInsp: Erosion continues on the #2 upstream side of the road fill. Not a concern yet, but should be monitored..				
2	Not Required	Medium	\$ 0	Hazard: Erosion continues on the #2 upstream side of the road fill. Not a concern yet, but should be monitored.
1	Complete	Medium	\$ 0	Deck: Extensive curb and riser rot consider replacement. old repair n/a

Structure #: K1493

Site #:	K1493			Primary User Name:	INTERFOR CORPORATION
KM:	35.50			Crossing Name:	Eberts
Project File ID #:	7458	Br.	01	Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2013/07/25				
Inspection Comment: Checked drainage patterns above. OK. Recommend minor drainage control above inlet and some armouring of fill above inlet. To prevent minor fill erosion above outlet would require to either armour top of fill or place berm on outside edge of road. Recommended to monitor for now because erosion is minimal.				
2	Required	Medium	\$ 1,000	Direct run-off from spur to left (woods) side of inlet. Armour top of fill above inlet with 50 - 100 mm rock. Rock source is in gravel borrow area on woods side of



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 128 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)
 crossingng.

Inspection 2010/10/15

Inspection Comment: crossing is located in the Kamloops District

1	Required	High	\$ 2,500	drainage issue inlet side
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Structure #: K789A

Site #:	K789	Primary User Name:	INTERFOR CORPORATION
KM:	40.31	Crossing Name:	Spapilem Cr
Project File ID #:	7458	Br.	01
		Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/30

1	Required	High	\$ 400	Remove woody debris from upstream of culvert
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Structure #: K789

Site #:	K789	Primary User Name:	INTERFOR CORPORATION
KM:	40.31	Crossing Name:	Spapilem Cr
Project File ID #:	7458	Br.	01
		Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/30

Inspection Comment: The spraycrete is intact and functioning well

1	Required	High	\$ 200	Brush out upstream of culvert
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Structure #: K789A

Site #:	K789	Primary User Name:	INTERFOR CORPORATION
KM:	40.31	Crossing Name:	Spapilem Cr
Project File ID #:	7458	Br.	01
		Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/30



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 129 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Medium	\$ 3,000	Consider blocks or rocks to control head wall erosion
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Structure #: K789

Site #:	K789			Primary User Name:	INTERFOR CORPORATION
KM:	40.31			Crossing Name:	Spapilem Cr
Project File ID #:	7458	Br.	01	Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2010/10/15				
Inspection Comment: consider backwater structure if channel is fish bearing site is in the Kamloops District repair a duplicate of K789A				
1	Required	High	\$ 2,500	drainage over fillslope

Structure #: K789A

Site #:	K789			Primary User Name:	INTERFOR CORPORATION
KM:	40.31			Crossing Name:	Spapilem Cr
Project File ID #:	7458	Br.	01	Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2010/10/15				
Inspection Comment: consider backwater structure if chanel is fish bearing				
1	Required	High	\$ 2,500	drainage over fillslope
Inspection 2009/10/27				
Inspection Comment: new surfacing fill is ravelling down to creek. - Retain or pull back fill.				
1	Required	High	\$ 5,000	pul back or retain oversteepened fill on new surfacing - ravelling down to creek - sediment source
2	Required	High	\$ 6,000	build outlet apron or pool - culvert is purchd 0.85m and secondary culvert (north one) is dry, so the structure is a barrier to fish passage.

Structure #: K789



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 130 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Site #:	K789			Primary User Name:	INTERFOR CORPORATION
KM:	40.31			Crossing Name:	Spapilem Cr
Project File ID #:	7458	Br.	01	Forest Service Road:	ADAMS WEST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2001/09/12

Inspection Comment: Overall: The invert on the north culvert is worn through at the outlet.. Environmental: Road surface water is running into the creek, over the downstream headwall fill..

1	Required	Medium	\$ 0	Hazard: Add fill and or rip rap to control headwall erosion.
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Inspection 1999/03/18

Inspection Comment: Overall: Both culverts are taking water..

1	Required	Medium	\$ 0	Culvert: There is some erosion of the fill at the downstream head wall, any increase will require repair. Excavate and place rip rap at road side.
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Structure #: K1124

Site #:	K1124			Primary User Name:	INTERFOR CORPORATION
KM:	13.48			Crossing Name:	Johnson Cr
Project File ID #:	7458	Br.	04	Forest Service Road:	JOHNSON LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/21

Inspection Comment: Curb rails are replaced. Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 300	Fill potholes at the approaches. Est volume = 3m3
2	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2012/03/02

Inspection Comment: HEADWATERS STRUCTURE BUT WITHIN KAMLOOPS AREA? Unable to change in CBR EXPOSED FILLS BELOW CAPBEAM, POSSIBLE FUTURE ISSUE

1	Required	High	\$ 1
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 131 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Add bridge ahead signs.

Inspection 2015/09/22

1	Complete	High	\$ 3,000	Limited life of curbs and risers, materials required 3-14' 2-10' and 1-15' Curb timbers 642 BF of 10x10" timber 8-2' and 8-3' riser blocks 333 BF of 10x10"
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Inspection 2000/09/08

Inspection Comment: Overall: The bridge was finished but the approaches were not yet finished. Equipment was on site to finish job..
 Environmental: Site not completed at inspection..

1	Complete	Medium	\$ 0	Approach: The approaches were incomplete at the time of inspection.
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Structure #: K1422

Site #:	K1422		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00		Crossing Name:	Gollen
Project File ID #:	7458	Br.	09	Forest Service Road: GOLLEN CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/29

Inspection Comment: The #1 upstream nopost have been puhed off the road, see photo

1	Required	High	\$ 1,000	The #1 upstream nopost have been puhed off the road, see photo. Reinstall
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Inspection 2013/07/26

Inspection Comment: Left approach is at 9%. Raise approach if lowbeds drag on bridge. No sign of beds dragging on concrete ballast wall.

Abutment posts are not coated with tar. Engineer to determine if applying tar now is cost effective to extend life of posts.

PB Apr7,2014. Painting towers not required.

3	Required	Low	\$ 1,000	Install bridge ahead (narrow structure) signs on approaches
2	Required	Medium	\$ 5,000	raise left (mill) approach do if lowbeds drag on ballastwall

Inspection 2010/08/17

Inspection Comment: OVrall structure is in good repair. Grout was likely poor install job.
 PB Mar09/11. Bridge is non-composite. Grout in seams is non-structural; compression seals should be in place.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 132 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

OVrall structure is in good repair. Grout was likely poor install job.
 PB Mar09/11. Bridge is non-composite. Grout in seams is non-structural; compression seals should be in place.

1	Required	Low	\$ 5,000	Fill approaches.
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Inspection 2007/09/21

Inspection Comment: Overall: The grout pockets are filled with a tar and gravel mix.. Region: GMC Dec 5/07.

1	Required	Medium	\$ 0	Hazard: Monitor scouring. Some scouring has occurred at the high chain rip rap.
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Inspection 2013/07/26

Inspection Comment: Left approach is at 9%. Raise approach if lowbeds drag on bridge. No sign of beds dragging on concrete ballast wall.

Abutment posts are not coated with tar. Engineer to determine if applying tar now is cost effective to extend life of posts.

PB Apr7,2014. Painting towers not required.

1	Complete	Medium	\$ 800	replace damaged riser blocks and bolt
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Inspection 2010/08/17

Inspection Comment: OVrall structure is in good repair. Grout was likely poor install job.
 PB Mar09/11. Bridge is non-composite. Grout in seams is non-structural; compression seals should be in place.

3	Complete	Medium	\$ 5,000	Replace 2 damaged riser blocks.
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Structure #: K811

Site #:	K811		Primary User Name:	INTERFOR CORPORATION
KM:	5.52		Crossing Name:	Gollen Cr
Project File ID #:	7458	Br.	09	Forest Service Road: GOLLEN CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/10/14

Inspection Comment: The culvert inlet fill height is 1.8 and the outlet is 2.6 grade is 3%. The culvert is very grown in and measurments may not be exact. There was no way to confirm overall length. Diameter is 3.0 m
 The culvert inlet has laogs jamed across, this has raised the creek bed approximately 1.0 m. above the invert.

2	Required	High	\$ 500	Brush out around the culvert
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 133 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2013/07/26

Inspection Comment: Need to measure: culvert length, inlet and outlet cover, and gradient during next inspection to update the structure details tab. Also check culvert diameter. This has been added to the Monitoring status to bring it to the attention of the next inspector.

1	Required	Low	\$ 1,000	brush around inlet and outlet
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Inspection 2010/08/17

Inspection Comment: Overall, culvert is in good repair.

1	Required	High	\$ 5,000	Brush out area and access to inlet and outlet. Remove brush from area unsafe to walk on.
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Inspection 1999/09/18

Inspection Comment: Region: Monitor unstable rip rap at outlet, water from high chain approachr is weeping onto rip rap.p99.
 RegionInsp: Monitor unstable rip rap at outlet, water from high chain approachr is weeping onto rip rap.p99.

1	Required	Medium	\$ 0	Culvert: Monitor rip rap stability.
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Structure #: K734

Site #:	K734		Primary User Name:	INTERFOR CORPORATION
KM:	1.64		Crossing Name:	Upper Adams R
Project File ID #:	7458	Br.	12	Forest Service Road: ADAMS EAST

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Required	Medium	\$ 1	Plan for replacement of Pier 2 dolphins in the next 2 years.

Inspection 2018/07/21

Inspection Comment: 2018 Close Proximity Inspection
 Bridge is generally in fair condition with minor maintenance required. The bridge was inspected at low water with the pier piles exposed below the sheathing. The rot in Pier 1 pile 7 has not increased since the previous inspection. The Pier 2 dolphin piles are rotten, and one is broken with missing or rotten sheathing and require replacing.
 The deck panels are heavily worn and the repairs around the grout pockets in Span 2 are delaminating and require monitoring. Grout pockets are sound at location of delaminating deck repairs.
 The deck was 80% covered in gravel and debris which prevented a detailed inspection to determine if concrete delamination has progressed since last year. Concrete spalling was not observed. Most of the grout in the pockets is recessed and collect water.
 Scour was monitored during this inspection and was determined that since last inspection there has been minimal increase in scour depths, with the depth of scour reducing at Pier 1 since previous measurements were taken. We have determined the estimated remaining service life based on the age of the timber piles. If no further deterioration occurs future inspections may determine the same estimated remaining service life



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 134 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

6	Required	Low	\$ 1	Replace missing or damaged sheathing planks
1	Required	Medium	\$ 1	Plan for replacement of Pier 2 dolphins in next 2 years.
2	Required	Medium	\$ 1	Clear debris from deck.
3	Required	Medium	\$ 1	Install compression seals at Piers 1 & 2.
4	Required	Medium	\$ 1	Consider installing fenders at approaches.
5	Required	Medium	\$ 1	Remove debris accumulation from abutments & pier caps.

Inspection 2018/06/22

Inspection Comment: Sheathing planks not replaced, compression seals not installed, debris removed from the deck. No debris near Pier #2 noted. Pier # 2 piles are showing aging. Consider replacing both piers and installing the concrete no-post barriers.

4	Required	High	\$ 6,000	Install no post barriers.
1	Required	Medium	\$ 100	Install 1-2"x10" -120" gravel bumper
3	Required	Medium	\$ 400	Install compression seals at the Pier #1 and #2
5	Required	Medium	\$ 1,000	Replace damaged sheathing planks

Inspection 2017/10/04

1	Required	Low	\$ 1	Plan for replacement of Pier 2 dolphins in next 5 years.
5	Required	Low	\$ 1	Remove debris accumulation from abutments & pier caps.
6	Required	Low	\$ 1	Remove debris accumulation from around Pier 2 dolphin.
7	Required	Low	\$ 1	Replace missing or damaged sheathing planks
2	Required	Medium	\$ 1	Clear debris from deck.
3	Required	Medium	\$ 1	Install compression seals at Piers 1 & 2.
4	Required	Medium	\$ 1	Consider installing fenders at approaches.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 135 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2016/08/14

1	Required	Low	\$ 0	Plan for replacement of Pier 2 dolphins in next 5 years.
5	Required	Low	\$ 0	Fill potholes in approaches.
6	Required	Low	\$ 0	Remove debris accumulation from abutments & pier caps.
7	Required	Low	\$ 0	Remove debris accumulation from around Pier 2 dolphin.
8	Required	Low	\$ 0	Install large delineators at approaches.
2	Required	Medium	\$ 0	Clear debris from deck.
3	Required	Medium	\$ 0	Install compression seals at Piers 1 & 2.
4	Required	Medium	\$ 0	Consider installing fenders at approaches.

Inspection 2014/07/25

Inspection Comment: PB Feb 2,2015 Detailed peeper inspection results attached as PDF document.

10	Required	High	\$ 12,000	Replace curb rail & grading strip (5850 bd ft).
7	Required	Low	\$ 2,750	Remove debris from abutments, pier caps & bearings.
8	Required	Low	\$ 100	Install large delineator at right end downstream corner.
9	Required	Low	\$ 18,000	Plan for replacement of pier 2 dolphins in the next 5 years.
11	Required	Low	\$ 2,600	Consider removing formwork from sub deck to facilitate inspection of grouted joints. Specialist access required.
1	Required	Medium	\$ 300	Clear debris from deck.
2	Required	Medium	\$ 4,000	Install 4 new compression seals.
3	Required	Medium	\$ 25,000	Repair damage to top of ballast walls and left end deck panel prior to installation of joint. Given extent of damage an engineered solution is required.
4	Required	Medium	\$ 500	Repair damage to left end deck panel prior to installation of joint.
5	Required	Medium	\$ 6,000	Install rip rap at both ends to stabilize embankments.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 136 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

6	Required	Medium	\$ 4,500	Consider installing fenders at all corners.
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Inspection 2013/03/06

Inspection Comment: Severe scaling around grout pockets could reduce load transfer ability of composite deck. Attached pictures should assist P.Eng. with structural capacity of deck. Need peeper truck for proper inspection of superstructure and piers.

1	Required	High	\$ 2,000	Wash deck, check all grout pockets, repair concrete around grout pockets with traffic patch grout. Minimum 8 pockets need repair. P.Eng to provide procedure for repair.
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Inspection 2012/10/13

Inspection Comment:

1	Required	High	\$ 1	add 2 bridge ahead signs
3	Required	Low	\$ 1	brushing

Inspection 2012/09/19

Inspection Comment: The bridge is generally in fair condition. The precast concrete deck is showing signs of wear including severe scaling of a number of grout pockets and spalling along the top edge of the ballast wall. This may be a result of heavy use and/or the large amount of gravel that is being tracked onto the bridge deck.

2	Required	Medium	\$ 1,500	Reset failed pier joint compression seals.
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Inspection 2006/10/18

Inspection Comment: Overall: Low water may be a good time to add plate to the bottom section of the dolphin.. Region: Dec 11/06 GMC.

1	Required	Medium	\$ 0	Hazard: Monitor for debris snagging on new dolphin.
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Inspection 2005/08/03

Inspection Comment: Overall: May require repairs to the upstream mid span pier. It no longer has sheathing or pile protection. It appears that 1 pile maybe broken or pushed over. A peeper and boat inspection might be an option to clear debris from pile and inspect piles.. Region: Gmc Dec 5/05.

1	Required	Medium	\$ 0	Deck: Monitor groute pockets.
2	Required	Medium	\$ 0	Abutment: Remove debris from pier and repair sheathing.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 137 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Medium	\$ 0	Hazard: Reove debris from pier.
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Inspection 2004/10/14

Inspection Comment: Overall: May require repairs to the upstream mid span pier. It no longer has sheathing or pile protection. Also there are some of the grout pockets breaking up.. Region: GMC Mar 15/05.

1	Required	Medium	\$ 0	Deck: Monitor the grout pockets.
2	Required	Medium	\$ 0	Abutment: May require new sheathing or nose cone at the mid span pier.

Inspection 2001/08/06

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Failed curb and risers at high chain approach. Risers are rotten at approaches and the curbs have extensive rot. Requires 16'x10"x10' curbs and as well as risers 24"x10x10"
2	Required	Medium	\$ 0	Hazard: Monitor erosion of low chain fill at sill.

Inspection 1998/11/11

Inspection Comment:

1	Required	Medium	\$ 0	Deck: First curb section at the high chain upstream approach is split, 4.8 m x250 mm. x 250 mm.
2	Required	Medium	\$ 0	Hazard: Remove debris off shear and piles, mid span.

Inspection 1997/07/09

Inspection Comment: Overall: Monitor breakdown of grout pockets..

1	Required	Medium	\$ 0	Deck: Monitor concrete grout in pockets on the deck.
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Inspection 1994/08/08

Inspection Comment: Overall: Tighten bearing nuts..

1	Required	Medium	\$ 0	SuperStructure: Tighten bearing nuts.
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Structure #: K126

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 138 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Site #:	K126	Primary User Name:	INTERFOR CORPORATION
KM:	6.43	Crossing Name:	Gannett Cr
Project File ID #:	7458	Br.	12
		Forest Service Road:	ADAMS EAST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: Curb rails are new. Guide logs are new but not pinned. Deck joints seal is falling to the creek. Need something more permanent. The girders are starting to rust. Would recommend to test the steel.

2	Required	High	\$ 600	Fill deck joints with paraseal or equivalent approved by the Ministry.
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Inspection 2017/09/07

Inspection Comment: This structure is depositing a lot of sand and dust in the channel and surrounding area. Dust inhibitor recommended All the deck panel gaps are open and material is falling through. The bridge requires curbs and risers none of last years recommended repairs were done

2	Required	High	\$ 500	Fill deck panel gaps
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Inspection 2016/09/27

Inspection Comment: The girders and bracing as well as the creek are getting alot of water and mud from missing joint rubbers. Causing rust throughout.

2	Required	High	\$ 600	Fill deck joints
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Inspection 2015/09/11

Inspection Comment: The deck panel has been repaired, but the deck joints have not been filled.

1	Required	High	\$ 1,500	Fill deck joints
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Inspection 2014/09/10

Inspection Comment: Same repairs as previous - repair or replace deck panel with exposed rebar and re-seal joints PB Dec29,2014 Annual inspection until deck panel repaired or replaced. Deck repairs to be coordinated with District.

3	Required	Low	\$ 1,500	replace all deck joints
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Inspection 2010/10/15

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 139 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 1,000	place expanding foam between cracks. clean prior to.
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Inspection 1995/09/19

Inspection Comment:

1	Required	Medium	\$ 0	SuperStructure: Tighten horizontal brace and check others with long ladder or peeper truck.
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Inspection 2017/09/07

Inspection Comment: This structure is depositing a lot of sand and dust in the channel and surrounding area. Dust inhibitor recommended All the deck panel gaps are open and material is falling through.
 The bridge requires curbs and risers
 none of last years recommended repairs were done

1	Complete	High	\$ 5,500	Replace curbs and risers, materials required for all: 4-14' and 6-10' 10x10" curb timbers 967 BF 16-2' and 16-3' curb riser blocks 667
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Inspection 2016/09/27

Inspection Comment: The girders and bracing as well as the creek are getting alot of water and mud from missing joint rubbers. Causing rust throughout.

1	Complete	High	\$ 5,200	Replace curbs and risers, materials required for all: 4-14' and 6-10' 10x10" curb timbers 967 BF 16-2' and 16-3' curb riser blocks 667
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Inspection 2014/09/10

Inspection Comment: Same repairs as previous - repair or replace deck panel with exposed rebar and re-seal joints
 PB Dec29,2014 Annual inspection until deck panel repaired or replaced. Deck repairs to be coordinated with District.

2	Complete	High	\$ 7,000	Replace deck panel
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Inspection 2013/08/08

Inspection Comment: Damaged concrete deck panel is worse. Exposed rebar. Recommend P.Eng procedure for repair.
 PB Mar 12,2014 Repair will be difficult. Bridge is non-composite therefore option to replace panel. See district for repair procedure.

1	Complete	High	\$ 1,500	Repair damaged concrete panel. Cost is for repair work only. P.Eng. to prepare repair procedure.
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Structure #: K131

Site #:	K131	Primary User Name:	INTERFOR CORPORATION
KM:	6.88	Crossing Name:	Michel Cr
Project File ID #:	7458	Br.	12
		Forest Service Road:	ADAMS EAST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 140 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2012/10/13

Inspection Comment: new guardrails and risers but many of the mounting blocks were not replaced and are rotten
 PB Jan 21,2013 Replace rotten mounting blocks.

1	Required	High	\$ 1	add 2 bridge ahead signs
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Inspection 1999/08/05

Inspection Comment: Overall: No measures have been taken since the last inspection to mitigate the footing erosion. Monitor after extreme flow events..

1	Required	Medium	\$ 0	Abutment: Monitor very closely any heavy flows may further erode the footings. Placement of new angular rip rap may help stop further erosion and direct flows away from footings.
2	Required	Medium	\$ 0	Hazard: Monitor closely during extreme flow events.

Inspection 1998/11/11

Inspection Comment: Overall: Structure appears to have been washed out. The footings have been shored up with timbers. The channel is approximately 2 m. wider than the bridge is long. Rip rap piled up on the upstream side of the bridge may restrict flows and cause further problems.. Region: Structure appears to have been washed out. The footings have been shored up with timbers. The channel is approximately 2 m. wider than the bridge is long. Rip rap piled up on the upstream side of the bridge may restrict flows and cause further problems. If water volume exceeds capacity flows may seek a new channel down either of the approaches.. RegionInsp: Structure appears to have been washed out. The footings have been shored up with timbers. The channel is approximately 2 m. wider than the bridge is long. Rip rap piled up on the upstream side of the bridge may restrict flows and cause further problems. If water volume exceeds capacity flows may seek a new channel down either of the approaches.. Environmental: If water volume exceeds capacity flows may seek a new channel down either approach..

1	Required	Medium	\$ 0	Abutment: Monitor for further erosion.
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Inspection 2013/08/08

Inspection Comment: Mounting blocks have not been replaced. Significant rot in blocks.
 PB Mar 12,2014 Rotten mounting blocks require replacement.

1	Complete	Medium	\$ 1,000	Replace curb mounting blocks.
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Inspection 2012/10/13

Inspection Comment: new guardrails and risers but many of the mounting blocks were not replaced and are rotten
 PB Jan 21,2013 Replace rotten mounting blocks.

2	Complete	Medium	\$ 1	replace rotten mounting blocks not replaced with new guardrails and risers
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Structure #: K801



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 141 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Site #:	K801			Primary User Name:	INTERFOR CORPORATION
KM:	8.12			Crossing Name:	Rock Cr
Project File ID #:	7458	Br.	12	Forest Service Road:	ADAMS EAST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: All repairs are completed with exception of the filing deck joints. The bolts were tighten last year. The steel component showing significant rust. We would recomend to test the steel of the girders. Riprap appears to look similar to the last inspection.

2	Required	High	\$ 600	Replace deck seals and / or fill deck joints with paraseal
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Inspection 2017/10/04

2	Required	High	\$ 1	Seal deck panel joints .
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Inspection 2017/09/07

Inspection Comment: This structure should be closely inspected with a peeper. Very busy and traffic travels at high rate of speed. I believe there is also an environmental aspect to this site. All the panel joints are open and much material and large volumes of dust are deposited into the channel and cover the entire channel and surrounding area. Dust inhibitors should be considered.
 The bridge its self is very rusty and based on staining it may indicate panel to girder connections are not secure. 2 Bolts are missing on the diagonal plan braces. When under load the bridge shudders and bangs uncharacteristically. The curbs and risers are rotten and a number of the risers have failed. P.eng assessment recommended

2	Required	High	\$ 400	Fill gaps between deck panels
4	Required	High	\$ 500	Apply dust inhibitor to approaches

Inspection 2016/09/27

Inspection Comment: The bridge should be checked with a peeper truck, when the bridge is under load there is a considerable amount of noise and movement. At some of the bolted connection there is some indication of movement. two of the plan brace bolta are missing one at each end of the bridge. The panel joints are all open and much water and dirt is falling/weeping onto the girders and braces. Also observe the panel to girder connections. Thoroughly check with peeper truck.

3	Required	High	\$ 600	Reinstall all the deck joint rubbers
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Inspection 2013/08/08

Inspection Comment: Monitor rip-rap. Need proper rubber gaskets if joints between panels are to be sealed.

1	Required	Low	\$ 1,500	clean deck joints and install rubber joints
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 142 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2007/09/21

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor erosion. Rip rap is large, stacked steeply and unstable.
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Inspection 2017/10/04

1	Complete	High	\$ 1	Replace curbs, blocks, and risers.
6	Complete	Low	\$ 1	Ream holes and install missing plan bracing bolts

Inspection 2017/09/07

Inspection Comment: This structure should be closely inspected with a peeper. Very busy and traffic travels at high rate of speed. I believe there is also an environmental aspect to this site. All the panel joints are open and much material and large volumes of dust are deposited into the channel and cover the entire channel and surrounding area. Dust inhibitors should be considered.
 The bridge its self is very rusty and based on staining it may indicate panel to girder connections are not secure. 2 Bolts are missing on the diagonal plan braces. When under load the bridge shudders and bangs uncharacteristically. The curbs and risers are rotten and a number of the risers have failed. P.eng assessment recommended

1	Complete	High	\$ 5,000	Curbs and risers are very rotten, materials required: 933 BF of 10x10" curb timber 4 -14', 2- 10' and 2 - 18' 16- 2' and 16 - 3' riser blocks
3	Complete	High	\$ 300	Bolt missing diagonal plan braces or weld

Structure #: K1032

Site #:	K1032		Primary User Name:	INTERFOR CORPORATION
KM:	15.36		Crossing Name:	Momich R
Project File ID #:	7458	Br.	12	Forest Service Road: ADAMS EAST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/03

Inspection Comment: The risers have been replaced, one block on the downstream at the right bank side

1	Suggested	High	\$ 1,000	PB Feb5.2018 Requires timber mounting block(s) replaced.
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Inspection 2012/10/13

Inspection Comment: new gaurdrails and riser blocks placed onto existing heavily rotted mounting blocks!!
 PB Jan 16,2013 Mounting blocks require replacement. Structure may be downrated in March 2014 following 2013 inspection if mounting blocks not replaced.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 143 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	High	\$ 1	Add 2 bridge ahead signs.
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Inspection 2013/03/08

Inspection Comment: Mounting blocks for curb risers need replacing. Need fall restraint and proper equipment to do work.
 PB Mar 12,2014. Rotten mounting blocks require replacement.

1	Complete	High	\$ 4,000	replace curb mounting blocks. Need fall restraint and proper equipment to do work.
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Inspection 2012/10/13

Inspection Comment: new gaurdrails and riser blocks placed onto existing heavily rotted mounting blocks!!
 PB Jan 16,2013 Mounting blocks require replacement. Structure may be downrated in March 2014 following 2013 inspection if mounting blocks not replaced.

1	Complete	High	\$ 1	replace existing rotted mounting blocks so this comment can be excellent since it appears the guardrails and riser blocks are new this year.
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Inspection 2009/09/24

Inspection Comment:

1	Complete	High	\$ 1	Replace guardrail, many components show 100% rot.
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Structure #: K670

Site #:	K670		Primary User Name:	INTERFOR CORPORATION
KM:	25.31		Crossing Name:	Swift Cr
Project File ID #:	7458	Br.	12	Forest Service Road: ADAMS EAST

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: The ABRB-US looks similar to the last year inspection. The footing eroded below. The structure is Unsafe. Consider installing a new longer structure for this crossing. The structure condition its been monitored. The repairs are still required to assure that the structure will comly with the road safety and the load rating standards. We believe that this structure fails under both the safety and the current load rating. Please consider to conduct load rating check for this crossing.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	Low	\$ 100	Replace one washer at RB-DS side

Inspection 2017/09/03

Inspection Comment: No significant change to raveling at the upstream right bank footing. Bridge has been brushed



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 144 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Low	\$ 300	Tighten curb bolts
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Inspection 2016/09/27

Inspection Comment: The exposed footing right bank upstream appears to be relatively unchanged, limited access under bridge

1	Complete	High	\$ 500	Brush out bridge, high fall hazard, use safty harness
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Inspection 2015/09/11

Inspection Comment: The curbs have been replaced and bridge ahead signs are in place, brushing was not done. The exposed footing shows little further erosion, continue to monitor closely

1	Complete	Medium	\$ 250	Brush out bridge
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Inspection 2013/09/11

Inspection Comment: I forgot to take the left approach picture. No concerns with left approach. Bridge over rock canyon. Need fall arrest system and maybe bucket truck to replace mounting blocks.

PB Mar12,2014 Mounting blocks require replacement.

2	Complete	Low	\$ 500	Brush adjacent to bridge. Minor brushing on approaches at same time. Suggest use of machine or bucket truck to do the brushing. Cost estimate is not known.
1	Complete	High	\$ 2,000	Replace mounting blocks and 12 ft of curb. Riser blocks still good. Fall arrest system required for workers. Likely need a bucket truck to do work safely.
3	Complete	Low	\$ 500	Install bridge ahead signs

Structure #: K1184

Site #:	K1184			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	25.95			Crossing Name:	Unnamed
Project File ID #:	7458	Br.	13	Forest Service Road:	HARBOUR LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/29

Inspection Comment: Both approaches on this bridge are very saturated and punching out. High side of both have springs and ditch lines are not deep or performing well. The deck and curbs are covered in mud much of which finds its way into the creek

1	Required	High	\$ 2,000	Add settling/catch basins in ditch lines and reditch both approaches
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Inspection 2013/09/18

Inspection Comment: Recommend installing lock block at right downstream corner to prevent guardrail impacts

PB Apr8,2014 Widen approaches towards ditchline to improve tracking and reduce guardrail damage. Will require cutting new slope and re-establishing ditch.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 145 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Recommend installing lock block at right downstream corner to prevent guardrail impacts

PB Apr8,2014 Widen approaches towards ditchline to improve tracking and reduce guardrail damage. Will require cutting new slope and re-establishing ditch.

2	Required	High	\$ 1,000	Repair bracket block, riser, one length of guardrail in right downstream corner. Damaged again by heavy impact. Place lock block to fend traffic.
3	Required	Low	\$ 1,000	Install Bridge Ahead signs
4	Required	Medium	\$ 2,000	PB Apr8,2014 Widen approaches towards ditchline to improve tracking and reduce guardrail damage. Will require cutting new slope and re-establishing ditch.

Inspection 2007/09/20

Inspection Comment: Region: Dec 5/07 GMc From a usability recommended repairs should be undertaken. As well, consider cutting into upstream banks to improve tracking.

2	Required	Medium	\$ 0	Approach: Surface water off the high chain approach has eroded the fill from the corners of the bridge. This has also occurred at the low chain but to a lesser degree. The eroded fill is also causing the traffic not to run out on the corner of the bridge. Low bed traffic appears to have trouble at both approaches. Some may be due to eroded fill at bridge corners. Armoring the high chain upstream ditch and moving the road over as well as reditch @ the low chain would solve the tracking issues.
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Inspection 2010/08/17

Inspection Comment: Overall the structure is in good repair.

1	Complete	Medium	\$ 5,000	Repair mounting block riser and guardrail for right abutment on downstream side heavy damage due to impact.
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Inspection 2007/09/20

Inspection Comment: Region: Dec 5/07 GMc From a usability recommended repairs should be undertaken. As well, consider cutting into upstream banks to improve tracking.

1	Complete	Medium	\$ 0	Deck: Impact damage to both ends of the downstream curb. Pull curb back @ high chain end, may require new riser @ the low chain end.
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Inspection 2004/10/13

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Monitor damaged curb.
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Structure #: K088

Site #: K088 **Primary User Name:** INTERFOR CORPORATION
KM: 8.92 **Crossing Name:** Gannett Cr



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 146 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #:	7458	Br.	14	Forest Service Road:	GANNETT LAKE
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REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: Bridge ahead signs in place. The leaning of the concrete cap is 0.5 degrees at RB-DS corner. The rest is good. Structure in good condition. Consider installing no-post barriers. Please remove the Monitoring items from the list.

2	Required	High	\$ 6,000	Install no-post barriers.
1	Required	Medium	\$ 100	RB-fill potholes

Inspection 2015/09/11

Inspection Comment: The curbs and risers have been replaced.

1	Complete	Medium	\$ 650	Install bridge ahead signs
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Structure #: WO1620

Site #:	K1648	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	13.30	Crossing Name:	Gannett Creek
Project File ID #:	7458	Br.	14
Forest Service Road:	GANNETT LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/07

Inspection Comment: The bridge requires at minimum 5 sections of 10' 10x10" curbs

1	Required	High	\$ 2,500	Some sections have extensive rot, bridge requires at minimum 5 sections of 10' 10x10" curbs
2	Required	High	\$ 300	Move fender logs out of the line of traffic

Inspection 2015/09/11

1	Required	Low	\$ 150	Three 10" curb timbers have extensive rot, replace or monitor closely
2	Required	Medium	\$ 650	Install bridge ahead signs



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 147 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K1141

Site #:	K1141			Primary User Name:	INTERFOR CORPORATION
KM:	9.59			Crossing Name:	Momich #2
Project File ID #:	7458	Br.	15	Forest Service Road:	MOMICH CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/11

Inspection Comment: High chain bearing pad looks similar to the last inspection. Bridge ahead signs are present. Structure in good condition. Consider installing no-post barriers.

2	Required	High	\$ 6,000	Install no-post barriers.
1	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/09/11

Inspection Comment: New curbs have been installed the rest of the suggested repairs have not been completed
 No adverse affects from the shallow rubber pads on #1

2	Required	High	\$ 400	Brush out bridge
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Inspection 2012/10/13

Inspection Comment: bank erosion on left abutment. little to no access to left abutment. had to hack a path. Access and egress for MOFR employees and contractors is an issue.
 PB Jan 21,2013 Monitor high chain bearing pads for performance. Guardrails require replacement.

3	Required	High	\$ 1	Safety issue for access and egress, brush approaches and around fills and fill slopes
4	Required	Low	\$ 1	Brush approaches.

Inspection 2015/09/11

Inspection Comment: New curbs have been installed the rest of the suggested repairs have not been completed
 No adverse affects from the shallow rubber pads on #1

1	Complete	Medium	\$ 400	Install one bridge ahead sign at the #1 approach
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Inspection 2012/10/13

Inspection Comment: bank erosion on left abutment. little to no access to left abutment. had to hack a path. Access and egress for MOFR employees and contractors is an issue.
 PB Jan 21,2013 Monitor high chain bearing pads for performance. Guardrails require replacement.

1	Complete	Medium	\$ 1
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 148 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				add 2 bridge ahead signs
2	Complete	High	\$ 1	replace guardrails and risers prior to industrial use

Structure #: K091

Site #:	K091			Primary User Name:	INTERFOR CORPORATION
KM:	12.03			Crossing Name:	Momich Cr
Project File ID #:	7458	Br.	15	Forest Service Road:	MOMICH CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/27

Inspection Comment: Bridge has newer curbs and risers, but has not had bridge ahead signs installed

2	Required	Low	\$ 200	Light brushing around bridge
1	Required	Medium	\$ 500	Install bridge ahead signs

Inspection 2013/09/27

Inspection Comment:

1	Required	Low	\$ 1,000	Brush approaches
2	Required	Low	\$ 1,000	Install Bridge Ahead signs

Structure #: K1142

Site #:	K1142			Primary User Name:	BELL POLE CANADA INC.
KM:	19.81			Crossing Name:	Stukemapten Cr
Project File ID #:	7458	Br.	15	Forest Service Road:	MOMICH CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/11

Inspection Comment: Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 600	Install bridge ahead signs.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 149 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	High	\$ 700	Fill potholes at the approaches. Est volume = 7m3
4	Required	High	\$ 6,000	Install no-post barriers.
3	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/09/10

Inspection Comment: New curbs and the bridge has been brushed out, no bridge ahead signs installed

1	Required	Medium	\$ 650	Install bridge ahead signs
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Inspection 2012/10/13

Inspection Comment: beaver activity upstream
 PB Jan 21,2013 Guardrails require replacement.

3	Required	High	\$ 1	Add 2 bridge ahead signs.
1	Complete	High	\$ 1	replace guardrails and risers prior to industrial use
2	Complete	Medium	\$ 1	brush out approaches

Structure #: K1037

Site #:	K1037		Primary User Name:	INTERFOR CORPORATION
KM:	0.46		Crossing Name:	Tsikwustum Creek
Project File ID #:	7458	Br.	16	Forest Service Road: ROCK CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/22

Inspection Comment: The structure is in good condition. It appears that the footings are not rotating. Everything is leveled. The rubber strap is in place between slabs and concrete cap beams. Brushing not completed. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	Medium	\$ 400	Fill potholes at both approaches. Est. volume =4m3
3	Required	Medium	\$ 300	Brush approaches



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 150 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2017/09/07

Inspection Comment: No issues

1	Required	Low	\$ 250	Brush out bridge
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Inspection 1998/11/11

Inspection Comment: Environmental: Site does not appear to have been seeded..

1	Required	Medium	\$ 0	Approach: Requires more fill at the high chain approach.
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Structure #: K093

Site #:	K093		Primary User Name:	BELL POLE CANADA INC.
KM:	0.08		Crossing Name:	Cayenne Cr
Project File ID #:	7458	Br.	17	Forest Service Road: CAYENNE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/09/10

Inspection Comment: Similar condition to previous year. Appears to have slightly more rot.
 Replace prior to industrial use.
 Needle beam hanging loose.
 PB Jan 14,2015 Maintain 5 tonne posting. Annual inspection.

5	Required	Low	\$ 50,000	Replace before industrial use
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Inspection 2013/09/27

Inspection Comment: PB Mar27,2014 Structure is 25 years old. Load rating set to 5 tonnes based on age and lack of any midspan drilling data.

4	Required	Low	\$ 5,000	Shim needlebeam correctly
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Inspection 2012/10/13

Inspection Comment: structure beyond normal service life

1	Required	High	\$ 1	replace structure prior to industrial use
2	Required	High	\$ 1	clear away bruhs from approaches



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 151 of 318
 Date Printed: 2019/04/02
 User Id: IDIRIGMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	High	\$ 1	Add bridge ahead signs.
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Inspection 2001/03/05

Inspection Comment: Overall: Appears to have active industrial haul, needle beam should be tightened.. Stringer: Some top rot on exposed stringers as well as some rot at the top and end of #1 stringer high chain..

1	Required	Medium	\$ 0	Deck: Requires new deck. 14 ' wide
2	Required	Medium	\$ 0	Approach: Monitor fill at low chain approach. Redirect or install a culvert at the low chain. Ditch at low chain upstream side is directing water through crib. The ditch and drainage may have been changed at the low chain approach causing water to flow down to the bridge.

Inspection 1999/09/17

Inspection Comment: Overall: For industrial haul will require redecking and needle beam tightened.. Stringer: Stringers had no significant rot..

1	Required	Medium	\$ 0	Deck: For industrial haul will require decking.
2	Required	Medium	\$ 0	Approach: Brush out around bridge.

Inspection 1997/07/09

Inspection Comment: Overall: Requires a new deck for industrial haul. Also requires needle beam to be shimmed and tightened..

1	Required	Medium	\$ 0	Deck: For industrial haul deck will have to be replaced.
2	Required	Medium	\$ 0	Approach: Brush out around the bridge for industrial haul, does not appear as though the bridge is being used, may not require brushing.

Structure #: K745

Site #:	K745	Primary User Name:	BELL POLE CANADA INC.
KM:	3.33	Crossing Name:	Unnamed
Project File ID #:	7458	Br.	17
		Forest Service Road:	CAYENNE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2011/07/05

Inspection Comment: PB Mar8.2012 Structure identified as Canfor RP tenure, will be turned back to licencee.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 152 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Suggested	High	\$ 10,000	timber rails, blocks, and risers
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Inspection 2009/10/01

Inspection Comment: Repair's from previous inspection have not been completed.

1	Suggested	Medium	\$ 1	Due to damaged components, missing and incorrect hardware and rot recommend replacing the guardrails. Will require new hardware.
2	Suggested	Medium	\$ 1	Add rock to steep unprotected slopes and fill. Add road fill too corners of bridge.

Inspection 2006/10/19

Inspection Comment:

1	Suggested	Medium	\$ 0	Deck: Impact damage at the high chain upstream side. Requires a 10'x10"x10" timber. The curb bolts are also loose and the high chain downstream end of the curb has only one bolt at the riser.
2	Suggested	Medium	\$ 0	Abutment: Monitor steep and unstable rip rap
3	Suggested	Medium	\$ 0	Approach: Fill could be added at the corners of the bridge.

Inspection 2003/09/30

Inspection Comment:

1	Suggested	Medium	\$ 0	Deck: The curbs require repair, straighten and bolting, add washers and tighten loose curbs.
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Inspection 2000/07/27

Inspection Comment:

1	Suggested	Medium	\$ 0	Deck: The low chain downstream is bent over, the mid upstream is also damaged at the connections. The discarded curb over the downstream side could be used to repair the upstream damaged curb.
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Inspection 1997/07/09

Inspection Comment: Overall: Require curb repairs..

1	Suggested	Medium	\$ 0	Deck: Redo all bolts, use damaged curb section for new risers. Require 1 curb section (16'x10x10"). Drill and countersink bolts.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 153 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Suggested	Medium	\$ 0	Abutment: Monitor for failure due to washout.
3	Suggested	Medium	\$ 0	Hazard: Monitor or remove trees from channel.

Structure #: K094

Site #:	K094		Primary User Name:	BELL POLE CANADA INC.
KM:	10.05		Crossing Name:	Cayenne Cr
Project File ID #:	7458	Br.	17	Forest Service Road: CAYENNE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/12

Inspection Comment: The structure is in similar condition as per previous inspection. The repairs are not completed from the past inspections. 5T sign posted. Barricade is placed. ATV access only.

1	Required	High	\$ 45,000	Replace the structure.
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Inspection 2017/09/05

Inspection Comment: The road was open this season because persons unknown have dragged the lock blocks from the road to allow access. This bridge deck and stringers are in very poor condition. Consider removal or more secure road block

1	Required	High	\$ 3,000	No repairs recommended, recommend removal
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Inspection 2015/09/10

Inspection Comment: None of the suggested repairs have been done and its unlikely stringers were checked for rot. There are only 5 stringers and 3 ends have very significant rot. Consider replacement not repair

1	Required	High	\$ 0	Replace structure or close
2	Required	Medium	\$ 600	Install bridge ahead signs
4	Required	Medium	\$ 300	Remove tree from across channel just below bridge

Inspection 2014/09/10

Inspection Comment: Similar condition to previous year. Appears to have slightly more rot. Replace prior to industrial use. PB Jan 14,2015 Maintain 10 tonne posting. Annual inspection.

3	Required	Low	\$ 50,000	Replace before industrial use
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Inspection 2013/09/27

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 154 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

PB Mar27,2014 Structure is 25 years old. Load rating set to 10 tonnes based on age, lack of drilling data and risk of pocket rot. Post to 10 tonnes when accessible.

2	Required	Low	\$ 1,000	Install Bridge Ahead signs
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Inspection 2007/09/21

Inspection Comment: Overall: Only 5 stringers and #2 is poor may soon need load rating.. Region: GMC Dec 4/07 OK until 09. Stringer: Some deterioration of stringers noted from last inspection..

1	Required	Medium	\$ 0	Hazard: Monitor rip rap erosion. Both downstream corners and the upstream high chain corner are eroded.
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Inspection 2003/09/30

Inspection Comment: Stringer: No significant rot was found..

1	Complete	Medium	\$ 0	Approach: Brushy out around the bridge
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Structure #: K855

Site #:	K855		Primary User Name:	BELL POLE CANADA INC.
KM:	14.44		Crossing Name:	Unnamed
Project File ID #:	7458	Br.	17	Forest Service Road: CAYENNE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/13

Inspection Comment: The structure decking has extensive rot values and is hazardous to traffic. The structure is UNSAFE and it should be considered to be CLOSED.

1	Required	High	\$ 45,000	Replace with a new structure.
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Inspection 2017/09/03

Inspection Comment: The deck is a traffic hazard, 2 tonne signs are in place The road has been posted closed at the POC and further up the road lock blocks were placed across the road. The blocks have been dragged off and full sized trucks can navigate up the road. The road is very overgrown and had many trees and brush to remove to access the bridge. Recommend a more robust road barrier at the POC.
 The #1 stringer left bank and #7 both ends have extensive rot, as well as the sill upstream left bank. #4 face log right bank has extensive rot and a tie back is rotten and crushing at the left bank upstream. The deck has failed and is a traffic hazard. The structure is 19 years old, recommend removal. No further core sample were deemed required.

1	Required	High	\$ 4,000	No repair recommended, given overall condition and age recommend removal.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 155 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2015/09/10

Inspection Comment: No repairs have been done. The structure is load rated @2 tonnes, replace for any haul use. access to some stringers is limited but enough sampling was done to conclude the structure has reached end of life. Deck is poor and may be a traffic hazard

1	Required	High	\$ 0	Replace or close structure
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Inspection 2014/09/10

Inspection Comment: Similar condition to previous year. Appears to have slightly more rot. Replace prior to industrial use. PB Jan 14,2015 Maintain 10 tonne posting. Annual inspection.

5	Required	Low	\$ 50,000	Replace before industrial use
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Inspection 2012/10/31

Inspection Comment: too unsafe to perform close proximity inspection with a ladder; ground too uneven to keep ladder stationary and stable. Requires a peeper truck for close proximity inspection as per previous recommendations in order to check midspan sections of the stringers. PB Jan 23,2013 Structure is not suitable for industrial use.

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	replace structure prior to industrial use
3	Required	High	\$ 1	brush right of way and approaches
4	Required	High	\$ 1	replace running planks

Inspection 2010/10/15

Inspection Comment: 10.55m c/c downstream span
 10.8m c/c upstream span
 peeper truck or close prox with 2 crew required
 ties placed wide side down
 stringers 50-60cm dia. too high to measure or assess. visually appeared in good condition and treated
 PB Mar11/11. Requires close proximity 2 man inspection in 2011 to gather as-built info and drill for rot. Requires professional inspection prior to any industrial haul.

1	Required	High	\$ 10,000	decking and ties
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Inspection 2008/09/16

Inspection Comment:

1	Required	Medium	\$ 6,500	Rot pockets and one failed section, will not take much industrial haul. For full deck replacement requires 2360 bf of 4" planking
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 156 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2006/10/19

Inspection Comment: Stringer: Stringers appear sound..

1	Required	Medium	\$ 0	Deck: Requires new deck if used for industrial haul.
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Structure #: K846

Site #:	K846		Primary User Name:	BELL POLE CANADA INC.
KM:	17.61		Crossing Name:	Unnamed
Project File ID #:	7458	Br.	17	Forest Service Road: CAYENNE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/13

Inspection Comment: The structure is in poor condition due to presence of large holes in the deck: 0.7x2.0m, 1.5x0.5m. The structure is hazardous to traffic. The structure is UNSAFE and should be considered for Closure.

1	Required	High	\$ 50,000	Consider to install a new structure.
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Inspection 2017/09/03

Inspection Comment: The deck is a traffic hazard, 2 tonne signs were reinstalled. The road has been posted closed at the POC and further up the road lock blocks were placed across the road. The blocks have been dragged off and full sized trucks can navigate up the road. The road is very overgrown and had many trees and brush to remove to access the bridge. Recommend a more robust road barrier at the POC. Stringers were not cored as removal by P.eng was recommended.

1	Required	High	\$ 4,000	No repair recommended, region P.eng. has recommended removal
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Inspection 2015/09/10

Inspection Comment: Bridge is posted @ 2 tonnes due to deck condition. No repairs have been done. In remarkably good shape for its age may be a candidate for a short term redeck. Deck is a traffic hazard, close bridge if not repaired

1	Required	High	\$ 5,000	Requires new deck and some ties if not replaced, deck materials required: 2000 BF of 4" decking and ties as required
2	Required	Medium	\$ 600	Bridge ahead signs
3	Required	Medium	\$ 200	Brush out bridge

Inspection 2014/09/10

Inspection Comment: Similar condition to previous year. Appears to have slightly more rot. Replace prior to industrial use. PB Jan 14,2015 Repost to 2 tonnes due to deck condition. Annual inspection.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 157 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

4	Required	Low	\$ 50,000	Replacing bridge prior to industrial use
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Inspection 2012/10/31

Inspection Comment: Structure should be closed due to rotted and unsafe deck. Falling through while walking over structure. PB Jan 23,2013 Removal of this structure should be considered. If not crossing should be closed to access.

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	brush out road and approaches
3	Required	High	\$ 1	replace structure prior to industrial use

Inspection 2011/07/05

Inspection Comment: close proximity inspection completed. load rating required based on observations made herein. given install date the structure is beyond typical service life.
 10.9m downstream c/c
 11.1m upstream c/c
 PB Mar12,2012. Set load rating to 39 tonnes based on collected stringer data. Gravel trucks 15 tonnes.

1	Required	High	\$ 10,000	deck
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Inspection 2010/10/15

Inspection Comment: ties placed wide side down
 PB Mar11/11. Replacement date set to 2012 from 2011. Requires professional inspection prior to any industrial haul.

1	Required	High	\$ 10,000	decking
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Inspection 2008/09/16

Inspection Comment: Stringers are treated and sound.

1	Required	High	\$ 6,000	The deck planks are worn and some have extensive rot and have failed. Requires 2016 bf. of 4" decking
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Inspection 2006/10/19

Inspection Comment: Stringer: Stringers are sound..

1	Required	Medium	\$ 0	Deck: If used for industrial haul will require redecking. Dirty and very abraded. One section failed, high rot values at many locations.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 158 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K1038

Site #:	K1038			Primary User Name:	INTERFOR CORPORATION
KM:	22.30			Crossing Name:	Unnamed
Project File ID #:	7458	Br.	18	Forest Service Road:	TRACEY CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/27				
2	Required	High	\$ 300	Brush out bridge
1	Required	Medium	\$ 600	Intall bridge ahead signs

Inspection 2013/09/27

Inspection Comment:				
1	Required	Low	\$ 1,000	Install Bridge Ahead signs

Inspection 2007/09/21

Inspection Comment:				
2	Required	Medium	\$ 0	Approach: Brush out around the bridge

Structure #: K614

Site #:	K614			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	5.55			Crossing Name:	Unnamed
Project File ID #:	7458	Br.	46	Forest Service Road:	CL7458.46

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/07/13				
Inspection Comment: The structure in similar condition as in the last year with exception to small sink hole presence at LB. Stringers with surface rot 1-2cm.				
1	Required	High	\$ 100	LB-fill sink hole.
2	Required	High	\$ 600	Install bridge ahead signs.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 159 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	High	\$ 400	Install 4 delineators.
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Structure #: K615

Site #:	K615			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	5.64			Crossing Name:	Unnamed
Project File ID #:	7458	Br.	46	Forest Service Road:	CL7458.46

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/13

Inspection Comment: Structure in similar condition as in the last year. 5T posted.

1	Required	High	\$ 600	Install bridge ahead signs.
2	Required	High	\$ 400	Install 4 delineators

Structure #: K693

Site #:	K693			Primary User Name:	INTERFOR CORPORATION
KM:	2.80			Crossing Name:	Red Sands Bridge
Project File ID #:	7468	Br.	01	Forest Service Road:	MUD LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/17

Inspection Comment: The repairs are not completed from the past inspections with exception of installing 1-delineator at RB. The crib (retaining wall) at LB is starting to fall to the creek (see picture). The running planks and curb rail system is in poor condition. The pier #1 leaning in similar condition as per the last inspection. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 7,000	Plan for removal or replacement of timber retaining walls. Engage P.Eng to determine if sloping up to abutments with reinforced soil and/or armouring with rip rap is appropriate.
4	Required	High	\$ 600	Install bridge ahead signs.
6	Required	High	\$ 4,000	Replace curb rails.
7	Required	High	\$ 6,000	Replace all decking.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 160 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Medium	\$ 400	Install new bearing bolts at span 1 & 2 girder connections.
5	Required	Medium	\$ 1,000	Remove debris accumulated near pier #1

Inspection 2017/10/03

3	Required	High	\$ 1	Install delineator at RBUS corner, and replace RBDS delineator
8	Required	Low	\$ 1	Regrade right approach.
1	Required	Medium	\$ 1	Plan for removal or replacement of timber retaining walls. Engage P.Eng to determine if sloping up to abutments with reinforced soil and/or armouring with rip rap is appropriate.
2	Required	Medium	\$ 1	Install new bearing bolts at span 1 & 2 girder connections.
4	Required	Medium	\$ 1	Install bridge ahead signs.
5	Required	Medium	\$ 1	Replace curbs and risers.
6	Required	Medium	\$ 1	Replace subdeck and wearing planks.
7	Required	Medium	\$ 1	Remove debris accumulation from pier 1.

Inspection 2016/09/18

Inspection Comment: Most of the curb sections have extensive rot, given the extent of tourist traffic to the commercial venture. The life of the curbs is very limited and planning for replacement is recommended. The running planks have many rot pockets and will require repair or full redecking soon.
 This inspection is only a ground inspection

1	Required	High	\$ 12,500	Requires 3433 BF of 10x10" curb timber and 42-2" riser blocks 700 BF 28-12', 2-14', 2-16' and 2-8' curb sections
2	Required	Medium	\$ 200	Reinstall the high chain load rate sign
3	Required	Medium	\$ 14,000	Deck planks have pockets of rot and will require repair soon if not a full redecking. Requires 8400 BF of 3" decking

Inspection 2013/10/08

Inspection Comment: PB Apr 14,2014 See attached Associated Engineering close proximity peeper inspection.

2	Required	Medium	\$ 250	Add delineator LBDS.
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Inspection 2012/09/15

Inspection Comment: NO ISSUES



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 161 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 1	Add 2 bridge ahead signs.
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Inspection 2002/03/15

Inspection Comment: Overall: Ground inspection only Bridge was peeper inspected 2003, no issues noted rp03.

1	Required	Medium	\$ 0	SuperStructure: Replace broken bolt. (1 1/4x 4") Region is reviewing other bolts under tension.
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Inspection 2013/10/08

Inspection Comment: PB Apr 14,2014 See attached Associated Engineering close proximity peeper inspection.

1	Complete	Medium	\$ 3,750	Replace damaged curb at LBDS. Wearing deck removed and replaced as well (D.H.P January 30, 2015).
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Inspection 2012/09/15

Inspection Comment: NO ISSUES

2	Complete	Low	\$ 1	Brush approaches. Telespar with concrete bases not burried D.H.P. january 30, 2015
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Structure #: 5011

Site #:	5011	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)	
KM:	8.23	Crossing Name:	Mud River	
Project File ID #:	7468	Br.	01	Forest Service Road: MUD LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/18

Inspection Comment: Bridge is not removed. Posted 5T. The condition of the structure similar to the last inspection. Approximately 3.5 km from the bridge rock slide -walking access only.

1	Required	High	\$ 15,000	Remove the structure.
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Inspection 2017/07/30

Inspection Comment: The road is partially overgrown 2 slides, one just barely passable with ATV. Road has 3 questionable log culverts on the 8.6 km ATV trip. The bridge will not take industrial haul and soon will not be passable as decking is very rotten. Piles and pier are not safely accessible and appear to be in poor condition. consider removal before piles fail.

1	Required	High	\$ 0	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 162 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Remove bridge before pier fails and bridge is lost

Inspection 2014/03/03

Inspection Comment: Structure is difficult to access - even with atv. It is in poor condition.

PB Jan26,2015 Structure requires professional inspection prior to any industrial use. Users can expect load rating to be reduced below industrial haul by March 2016 due to deck and pier condition. See repairs.

1	Required	Low	\$ 250	Install bridge ahead signs prior to active use.
2	Required	Low	\$ 2,000	Install 4 fenders prior to active use.
3	Required	Low	\$ 20,000	Replace sub deck and install a running deck prior to active use.
4	Required	Low	\$ 12,000	Replace guardrails prior to active use. 140' of 10x10 on span 1, 100' of 10x10 and 20 risers on span 2 plus hardware
5	Required	Low	\$ 30,000	Replace all cross ties prior to active use.

Structure #: K694

Site #:	K694	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	10.70	Crossing Name:	Red Sands Cr
Project File ID #:	7468	Br.	01
		Forest Service Road:	MUD LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/18				
Inspection Comment: The riprap at the RB scoured more compared to the last inspection. No settlement progression of the structure noted. Consider installing no-post barriers.				
2	Required	High	\$ 6,000	Intall no-post barriers.
3	Required	Low	\$ 300	Brushing
1	Required	Medium	\$ 200	RB- fill pothole. Est. volume=2m3

Inspection 2006/08/31

Inspection Comment: Overall: The erosion of the low chain rip rap appears to have stabilized. The bridge is low at the low chain upstream corner. No mention in previous inspection of this condition. This may be the result of recent settling or the bridge may have been installed this. Region: Dec6/06 Gmc RUP holder should set permanent hubs (spike??) on all 4 corners of the bridge, take elevations with a precise level. Provide the elevations t to the MOFr. They should take elevation either during industrial haul or in a year a year to determine if the footing is settling.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 163 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Hazard: Monitor low chain erosion.
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Inspection 2003/09/24

Inspection Comment: Overall: The bridge is not well aligned over the creek. The footings are very close to the creek on the low chain..

1	Required	Medium	\$ 0	Abutment: Monitor sill erosion.
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Inspection 2012/10/15

Inspection Comment: PB Jan24,2013. If industrial traffic is proposed for this structure, the bridge should be assessed and monitored for settlement as previously noted 2006.

2	Complete	Low	\$ 1	brushing Completed by BCTS roads monitor contractor. (AJS Jan 12 2018)
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1	Complete	Medium	\$ 3,000	Wearing Deck needs replacing prior to Industrial Haul (D.H.P. 2014). Removed and replaced October 19, 2014 by Sage Forestry Ltd. Timbers purchased at local mill Wadlegger(D.H.P.).
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Inspection 2012/10/15

Inspection Comment: PB Jan24,2013. If industrial traffic is proposed for this structure, the bridge should be assessed and monitored for settlement as previously noted 2006.

1	Complete	Medium	\$ 1	add 2 bridge ahead signs. Note: These telespar posts in prefabricate concrete bases were installed with concrete above the ground line. Materials piled up around the base. Intended Permanent installation is suspect and to be inspected in spring 2015 under snow free conditions.
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Structure #: TKA018

Site #:	5010	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	14.09	Crossing Name:	
Project File ID #:	7468	Br.	01
Forest Service Road:	MUD LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/18

Inspection Comment: Structure in good condition.

2	Suggested	Low	\$ 5,000	PB Feb06.2019 Assess downstream steel curb / post bolted connections. Rail was impacted and re-installed. Bush side / left bank approach should be widened into cut slope to improve alignment for loaded traffic.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 164 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 200	Fill potholes at the approaches
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Structure #: 5013

Site #:	5013	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)	
KM:	1.21	Crossing Name:		
Project File ID #:	7468	Br.	17	Forest Service Road: BR8200

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2009/10/28				
Inspection Comment: Span length: 8.0m Posted to 5 tonnes. See pdf for stringer info. PB Mar 12,2010. Maintain posting at 5 tonnes based on 2009 inspection. Annual inspection.				
1	Suggested	Medium	\$ 1	Replace top log on downstream side, currently there is no curb on this side.

Structure #: K1612A

Site #:	K1612	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)	
KM:	5.00	Crossing Name:	Unknown	
Project File ID #:	7468	Br.	20	Forest Service Road: REDSANDS

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Suggested	High	\$ 7,500	PB Feb01.2019 Voids in grout seams in deck gaps require repair. Contact RBE for prescription.

Structure #: K104

Site #:	K104	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)	
KM:	10.15	Crossing Name:	Unnamed	
Project File ID #:	7524	Br.	01	Forest Service Road: TROPHY MOUNTAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/23				
Inspection Comment: The repairs are not completed from the preavious inspections. The Ballast wall ribbar is exposed now. Consider installing no-post barriers.				
1	Required	High	\$ 6,000	Install no-post barriers.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 165 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	High	\$ 300	Fill sink hole at LB
4	Required	High	\$ 600	Install bridge ahead signs.
5	Required	High	\$ 600	Repair the ballast wall at ABLB-US corner
2	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/09/16

Inspection Comment: None of the suggested repairs have been done

1	Required	High	\$ 300	Brush out bridge
2	Required	High	\$ 350	Fill sink hole at #1 approach
3	Required	Medium	\$ 250	The #1 abutment upstream side the ballast wall has cracked due to forces caused by the tight riser block. see photo. Parg or grout crack

Inspection 2012/08/05

Inspection Comment: COORDINATES - 51 46 54.8N, 119 58 34.5W
NO ISSUES

1	Required	High	\$ 1	Add bridge ahead signs.
2	Required	Low	\$ 1	Brush approaches.

Inspection 2006/10/11

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor rip rap scour. The creek makes a tight corner and is running hard onto the low chain upstream corner. Some erosion at the low chain upstream corner, not a concern at this inspection.
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Structure #: K106

Site #:	K106	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	2.51	Crossing Name:	Spahats Cr
Project File ID #:	7524	Br.	03
		Forest Service Road:	SPAHATS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 166 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2018/06/23

Inspection Comment: Brushing and bridge ahead signs installed. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 400	Fill potholes at both approaches. Est. volume=4m3
3	Required	High	\$ 400	LB-DS corner replace curb rail 1-10"x10"x125"

Inspection 2006/10/11

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor woody debris collecting upstream of the bridge.
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Inspection 2015/09/16

Inspection Comment: No bridge ahead signs have been installed as suggested

2	Complete	High	\$ 250	Brush out bridge
1	Complete	Medium	\$ 650	Install bridge ahead signs

Inspection 2012/08/05

Inspection Comment: NO ISSUES

1	Complete	High	\$ 1	Add bridge ahead signs
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Structure #: K107A

Site #:	K107		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	7.07		Crossing Name:	#1
Project File ID #:	7524	Br.	03	Forest Service Road: SPAHATS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/07

Inspection Comment: Grout pockets are in working condition free of defect. A few stick up a couple mm. Structure is in excellent condition.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 167 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Low	\$ 1,000	Grade approaches
2	Required	Low	\$ 2,000	Consider installing 4 fenders.

Structure #: K970

Site #:	K970		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	9.29		Crossing Name:	Spahats #2
Project File ID #:	7524	Br.	03	Forest Service Road: SPAHATS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/23

Inspection Comment: Structure is undersized. Consider replacing the structure in near future.

1	Required	Medium	\$ 6,000	Add more fill material to widen the road and add more riprap at the CI.
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Inspection 2015/09/16

Inspection Comment: No rip rap has been added as suggested in last inspection.

2	Required	Medium	\$ 5,000	PB Feb 12,2016 Structure is undersized. Add 10m3 to widen road surface and armour fill slopes.
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Inspection 2012/08/05

Inspection Comment: MINOR SLOUGHING AT INLET DUE TO NO RIPRAP
 ID PLATE WASHED AWAY
 PB Jan 25,2013 Structure is undersized. Recommend replacement.

1	Required	Medium	\$ 2,000	add riprap to inlet, estimate 10 m3
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Inspection 2009/10/22

Inspection Comment: As noted in previous inspection this culvert does appear to be undersized. Also due to rust this structure may be close to the end of its life.
 PB Jan7,2010. Continue to monitor culvert condition. Not a candidate for shotcrete repair.

1	Required	Medium	\$ 1	Rock armouring required on upstream wingwalls, also repair eroded road edge and widen road for industrial traffic.
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Inspection 2003/10/01

Inspection Comment: Overall: High water may be close to culvert capacity..

1	Required	Medium	\$ 0	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 168 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Culvert: Requires more rip rap and fill. Traffic hazard.

Inspection 2001/03/08

Inspection Comment: Overall: Fill is eroded out into the road surface on a corner and is a traffic hazard. The culvert also appears to be undersized.. Region: gmc Rebuild and armour inlet and outlet slopes, monitor during high water. If pipe blows out, realign and replace with larger pipe or bridge. GMc Feb 13/02.

1	Required	Medium	\$ 0	Culvert: Traffic hazard, place rip rap and add fill to eroded head wall (see photo)
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Inspection 1999/09/20

Inspection Comment: Overall: Eroded fill and failed rip rap. fill eroded out into road surface placed ribbon and sticks as warning at inspection..

1	Required	Medium	\$ 0	Culvert: Place rip rap and fill in eroded road.
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Structure #: K863

Site #:	K863		Primary User Name:	WEST FRASER MILLS LTD.
KM:	0.61		Crossing Name:	Criss Cr
Project File ID #:	7529	Br.	01	Forest Service Road: CRISS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/29

Inspection Comment: The repairs are not completed from the last inspection. Consider installing no-post barriers. 10T posted

1	Required	High	\$ 1,000	Repair deck with PEng recommended product by Sika
2	Required	High	\$ 100	tighten all curb rail bolts.
3	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2015/09/25

Inspection Comment: None of the recommended repairs have been done. Two corners have suffered deck panel damage, the upstream first panel from #2 approach with exposed rebar. The #1 approach first panel downstream side has been damaged as well but rebar is not directly exposed, see photos.
 Ministry recommends:
 Recommend use of overhead SikaTop product for deck panel repair, remove loose concrete, hand wire brush as much rust removal as possible. Then follow manufactures recommendations to install SikaTop product, minimum 50 mm cover. If repairs are not completed shortly then a more expensive panel replacement will be required. DA.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 169 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 1,000	Two corners have suffered deck panel damage, the upstream first panel from #2 approach with exposed rebar. The #1 approach first panel downstream side has been damaged as well but rebar is not directly exposed, see photos.
2	Required	High	\$ 350	Tighten all curb and riser bolts

Inspection 2013/09/16

Inspection Comment: repair of right deck joint from last not completed.
 Exposed rebar from deck panels is not good for assisting this structure in meeting it's designed servicability life.
 Grout repairs must get completed shortly or else panel replacement will be required. DA

1	Required	High	\$ 2,000	Reccomend use of overhead SikaTop product for deck panel repair, remove loose concrete, hand wire brush as much rust removal as possible. Then follow manufactures reccomendations to install SikaTop product, minimum 50 mm cover. If repairs are not completed shortly then a more expensive panel replacement will be required. DA.
3	Required	High	\$ 4,000	Install no-post approach barriers in line with timber curbs to prevent future curb and deck panel damage. DA.
2	Required	Low	\$ 1,000	brush road

Inspection 2010/09/28

Inspection Comment: MOFL L-75
 #825 MBS
 03/96

 peeper truck required for close prox. of abutment left
 Note the concrete repair for exposed rebar on deck panel. DA

1	Required	High	\$ 2,000	Concrete repair required for one deck panel, damaged at time of installation. A couple of options available for repair, depending on location and thickness of material required. Discuss with regional bridge engineer. DA
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Inspection 1999/08/17

Inspection Comment: Overall: All the groute joints between the deck panels are cracked..

1	Required	Medium	\$ 0	Approach: Brush out approaches.
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Inspection 2004/08/19

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Curbs are very loose, tighten. old repair DA
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Inspection 2001/09/14

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 170 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 0	Deck: Tighten curb bolts. old repair. DA
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Structure #: K177

Site #:	K177		Primary User Name:	WEST FRASER MILLS LTD.
KM:	10.68		Crossing Name:	Criss Cr
Project File ID #:	7529	Br.	01	Forest Service Road: CRISS CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/06/18

Inspection Comment: Installed delins to the #1 approach.
 The bottom riser blocks have extensive rot, the upper block and curb rails hwere upgraded in the past but not the bottom.

2	Required	High	\$ 2,200	Will require 20 - 3' 10x10" to replace the lower risers. This may require removal of gravel fill and 6x6 fill retaining timber which are also rotten 500 BF Existing other curb components may be reused.
1	Required	Medium	\$ 100	Grade gravel running surface

Inspection 2013/09/16

Inspection Comment: deck still not graded

10	Required	Low	\$ 1,000	add bridge ahead signs
2	Required	Medium	\$ 4,000	Reccomend to add a grader strip. DA.

Inspection 2010/09/29

Inspection Comment:

1	Required	Low	\$ 2,500	grade deck prior to operational use
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Inspection 2004/08/19

Inspection Comment: Region: GMc Apr 26-06 Mile Board indicates 0.5 km but that is from the far end. Bridge is about 12 km from the beginning of the Criss Cr FSR off of the Deadman Public Road.

1	Required	Medium	\$ 4,500	Deck: Requires new curbs and risers. 4-8', 4-6', 10-8.5' 10x10" curb sections and 20-27" 10x10" riser blocks
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 171 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Deck: Requires new curbs and risers. 4-8', 4-6', 10-8.5' 10x10" curb sections and 20-27" 10x10" riser blocks

Inspection 2001/09/14

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Requires new curbs and risers.
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Inspection 2013/09/16

Inspection Comment: deck still not graded

1	Complete	Medium	\$ 200	Add delineators to one end completed at 2016 inspection
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Structure #: K1419

Site #:	K1419		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	1.00		Crossing Name:	Brookfield Cr
Project File ID #:	7669	Br.	01	Forest Service Road: CLEARWATER-100 MILE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/11

Inspection Comment: Integrity of the custom manufactured box girders due to rust should be examined with a peeper truck. The girders are shallower at the right bank. The fractured basalt sub grade while under cut still appears to be secure.

1	Required	Medium	\$ 200	Install 2 delineators
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Inspection 2011/10/23

Inspection Comment: structure data and GPS coords taken and CBR updated. cross tie ends are completely rotten, axe goes right through but unknwn how far this translates to underside of the deck. Use peeper truck to evfaluat cross ties and view steel box beams. PB Feb 16,2012. Professionally inspected Jan 27 and Feb 8, 2012. Crossties require replacement by March 31, 2012. Loss of section due to rot.

1	Required	High	\$ 1	add 2 bridge ahead signs
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Inspection 2004/10/16

Inspection Comment: Overall: Will require new deck components soon..

2	Required	Medium	\$ 0	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 172 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Abutment: Monitor erosion.
3	Required	Medium	\$ 0	Hazard: Monitor scouring of cribs, appears stable, eroded to bedrock.

Inspection 2011/10/23

Inspection Comment: structure data and GPS coords taken and CBR updated. cross tie ends are completely rotten, axe goes right through but unknown how far this translates to underside of the deck. Use peeper truck to evaluate cross ties and view steel box beams.
 PB Feb 16, 2012. Professionally inspected Jan 27 and Feb 8, 2012. Crossties require replacement by March 31, 2012. Loss of section due to rot.

2	Complete	High	\$ 1	replace cross ties prior to industrial use. Cross ties replaced and redecked.
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Inspection 2010/08/17

Inspection Comment: With rotten ties, no protection from impact and may want to load rate based on loss of cross tie effective area.
 PB Mar09/11. Deck repairs required in 2011 including cross tie replacement.

1	Complete	High	\$ 5,000	Replace cross ties and decking. Done in 2012 MRF 09/14
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Inspection 2007/10/05

Inspection Comment: Overall: Formerly given temp # 3012.

1	Complete	Medium	\$ 0	Deck: The curbs are rotten and supported on rotten ties unlikely to offer any impact protection. Done in the spring of 2012. MRF 09/14
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Inspection 2004/10/16

Inspection Comment: Overall: Will require new deck components soon..

1	Complete	Medium	\$ 0	Deck: Deck may have life extended if patched. Probably will only last a short time. Ties have high rot values.
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Structure #: K819

Site #:	K819		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	1.21		Crossing Name:	Brookfield Cr
Project File ID #:	7669	Br.	01	Forest Service Road: CLEARWATER-100 MILE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/09				

Inspection Comment: The bridge width is 20 m.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 173 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

The bridge width is 20 m.

1	Required	Medium	\$ 200	Install a bridge ahead sign, one way road
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Inspection 2013/09/20

Inspection Comment: Bridge measures to 8.6m span along direction of skewed slabs, abutments are ~5.5m apart measured square. VERY skewed slab bridge.

2	Required	Low	\$ 500	install bridge ahead sign, only 1 required for 1 way road.
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Inspection 2010/08/17

Inspection Comment: Structure is cast in place concrete bridge deck

1	Required	High	\$ 5,000	REplace downstream guardrails and riser block and place filter cloth and curbstop then replace fill.
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Inspection 2004/10/16

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor concrete spill way.
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Structure #: K893

Site #:	K893		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	13.47		Crossing Name:	Cold Scour
Project File ID #:	7669	Br.	01	Forest Service Road: CLEARWATER-100 MILE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/24

Inspection Comment: Beaver dam not present under the bridge. Structure in good condition.

1	Required	High	\$ 100	Remove woody debris from under the bridge
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Inspection 2012/08/06

Inspection Comment: 7.6M O/A LENGTH, SKEWED
 OLD SLAB BRIDGE IS STILL ON SITE
 NO BEAVER DAM NOTED UNDER BRIDGE



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 174 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Complete	High	\$ 1	Add 2 bridge ahead signs.
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Structure #: K109

Site #:	K109	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	18.94	Crossing Name:	Mann Cr
Project File ID #:	7669	Br. 01	Forest Service Road: CLEARWATER-100 MILE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/04

Inspection Comment: Recommend downstream curbs and risers be replaced

1	Required	High	\$ 3,000	The downstream curbs and risers are rotten, materials required: 633 BF of 10x10" timber. includes 2-10' and 1-16' curb timber and 5 -2' and 5-3' riser blocks
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Inspection 2014/06/18

Inspection Comment: NO significant scour under wing walls and abutment. Remove scour hazard from repair list and leave as monitor item.

1	Required	High	\$ 500	Replace one curb block and tightened all curb bolts and mounting block bolts. (10x10 inch block)
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Structure #: K1519

Site #:	K1519	Primary User Name:	CANFOR LIMITED
KM:	35.00	Crossing Name:	Unnamed
Project File ID #:	7669	Br. 01	Forest Service Road: CLEARWATER-100 MILE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/08

Inspection Comment: New! Structure is in excellent condition.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Structure #: WO1263

Site #:	K113	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	11.60	Crossing Name:	Unnamed
Project File ID #:	7669	Br. 02	Forest Service Road: SOCK LAKE-ROAD 1



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 175 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/24

Inspection Comment: This bridge is very low approximately .55 m. above the creek. The bridge should likely be removed and rebuilt , unless the is a very short term installation. The bridge is very long for the site. It will not take industrial haul
 Three of the four panels are very worn and rotten.
 The curbs are in poor condition and may not offer much impact protection, mainly due to poor bracket connection to the ties, traffic hazard.
 The deck is only 3.65 m. wide

2	Required	High	\$ 5,000	Bridge should likely be rebuilt, all new decking new curbs and risers as well as being raised higher
1	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2013/07/10

Inspection Comment:

1	Required	High	\$ 1,000	bridge ahead signs
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Structure #: K1101

Site #:	K1101		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	0.07		Crossing Name:	Clearwater R
Project File ID #:	7669	Br.	03	Forest Service Road: ROAD 2A

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/09

Inspection Comment: The left/#1 no posts have been moved, the upstream sections(2) have disconnected and pushed onto the curb cables and anchor. The other, (1) is pushed into the walk way. The first 3 curb posts upstream left side have been impact damaged, see photo. The connection to the concrete slabs are damaged

4	Required	High	\$ 2,000	Patch and repair grout joint undesides as required
3	Required	Medium	\$ 500	Paint or repair bases of hand rail posts
5	Required	Medium	\$ 500	RegROUT mid span deck joint on top



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 176 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2013/10/08

Inspection Comment: PB Apr 11.2014 See attached AE peeper inspection report in PDF and required repairs.

1	Required	High	\$ 17,000	Repair spalling concrete areas on the underside of the panels.
2	Required	High	\$ 3,000	Repair RBUS deck panel post anchor.
7	Required	Low	\$ 500	Set LB bridge ahead sign closer to bridge.
5	Required	Medium	\$ 1,500	Re-seal joints between deck and ballast wall.

Inspection 2013/09/20

Inspection Comment: N51 38 31.1
W120 4 36.3

PB Apr 11.2014 See Associated Engineering peeper inspection from 2013.

2	Required	High	\$ 2,000	repair exposed rebar on underside of deck and review other joints for grout adhesion.
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Inspection 2016/09/09

Inspection Comment: The left/#1 no posts have been moved, the upstream sections(2) have disconnected and pushed onto the curb cables and anchor. The other, (1) is pushed into the walk way. The first 3 curb posts upstream left side have been impact damaged, see photo. The connection to the concrete slabs are damaged

1	Complete	High	\$ 1,000	The left/#1 no posts have been moved, the upstream sections(2) have disconnected and pushed onto the curb cables and anchor. The other, (1) is pushed into the walk way. .Reposition noposts
2	Complete	High	\$ 2,500	The first 3 curb posts upstream left side have been impact damaged, see photo. The connection to the concrete slabs are damaged and require repair, see photo

Inspection 2013/10/08

Inspection Comment: PB Apr 11.2014 See attached AE peeper inspection report in PDF and required repairs.

6	Complete	Medium	\$ 500	Reset LBUS concrete barrier
3	Complete	Medium	\$ 3,000	Repair settlement at LB approach.Both approaches filled with Ashphalt. DC 2014.
4	Complete	Medium	\$ 2,000	Remove gravel from deck.Bridge cleaned off by licensee. Holes in both approached filled with asphalt. DC 2014

Inspection 2010/08/17

Inspection Comment: Overall structure is good repair. Unsure if missing girder to girder connection bolts at base of span 1 on pier is a problem? Doesn't appear if bolts were ever used or if welded; this should be reviewed.
PB Mar09/11 Scheduled for professional inspection in 2011. Anticipated peeper inspection in 2011.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 177 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 5,000	Repair pot holes at high chain approach (west side) affecting approach to slow vehicle. Holes repaired. DC 2014
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Structure #: K112A

Site #:	K112	Primary User Name:	CANFOR LIMITED
KM:	4.67	Crossing Name:	Brookfield Cr
Project File ID #:	7669	Br.	05
		Forest Service Road:	REFLECTOR LAKE-ROAD5

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/24				
Inspection Comment: Structure in good condition with exception to the no-post barriers placement.				
1	Required	High	\$ 1,000	Add more fill at the LB corners and RB-DS corner to realign no-post barriers.

Structure #: K1050

Site #:	K1050	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	13.47	Crossing Name:	Mann Cr
Project File ID #:	7669	Br.	05
		Forest Service Road:	REFLECTOR LAKE-ROAD5

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/24				
Inspection Comment: Structure in good condition. Consider replacing rotten guide logs with concrete no-post barriers.				
3	Required	High	\$ 6,000	Install no-post barriers
1	Required	Medium	\$ 1,500	add more fill at both ends. Est. volume = 15m3
2	Required	Medium	\$ 300	Brush approaches
Inspection 2015/08/15				
Inspection Comment: All suggested repairs with the exception of the approach repair have been done. New curbs and risers recently installed				
1	Required	Medium	\$ 1,500	Add fill to the #1 approach for industrial haul
Inspection 1997/07/11				
Inspection Comment:				



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 178 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Approach: Fill in approach and grade up approach at the high chain.
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Inspection 2012/03/06

Inspection Comment: BRIDGE IS 12.6m O/A, RISERS ARE VISIBLE UNDER CAP BEAM

1	Complete	High	\$ 1	Add bridge ahead signs.
2	Complete	Low	\$ 1	Brush approaches.

Structure #: K1633

Site #:	K1633		Primary User Name:	CANFOR LIMITED
KM:	4.25		Crossing Name:	Unknown
Project File ID #:	7669	Br.	06	Forest Service Road: ROAD 6 AND ROAD 20

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/04				
Inspection Comment: All the bridges inspected on this road have had only partial curb repairs. This creates a bit of a conundrum as there is always a number of components that have very limited life. It is difficult to quantify the repairs, minimum six risers have extensive rot				
1	Required	High	\$ 500	Repair split riser and others with extensive rot

Inspection 2014/08/07

Inspection Comment: Structure is in fair condition.
 PB Jan29,2015 No file information. Canfor install under FIA. Replace all timber components.

1	Required	High	\$ 500	Replace guardrails. 102' of guardrail plus 12 blocks and 12 risers needed.
2	Required	Low	\$ 500	Consider installing bridge ahead signs.

Structure #: K1621

Site #:	K1621		Primary User Name:	CANFOR LIMITED
KM:	8.90		Crossing Name:	Unknown
Project File ID #:	7669	Br.	06	Forest Service Road: ROAD 6 AND ROAD 20

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 179 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/07

Inspection Comment: Structure is in fair condition.

PB Jan29,2015 Replace all timber components.

3	Required	High	\$ 10,000	Replace guardrails. Require 72' of guardrail and 10 blocks and 10 risers plus hardware.
1	Required	Low	\$ 500	Consider installing bridge ahead signs.
2	Required	Low	\$ 2,000	Consider installing 4 fenders.

Structure #: K1632

Site #:	K1632			Primary User Name:	CANFOR LIMITED
KM:	10.10			Crossing Name:	Unknown
Project File ID #:	7669	Br.	06	Forest Service Road:	ROAD 6 AND ROAD 20

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/04

Inspection Comment: Small beaver dam at the downstream side of the bridge. Some newer curb and riser repairs, but many of the risers and one section of curb have extensive rot

4	Required	High	\$ 10,000	Replace guardrail components. Require various 10' 10x10 guardrail sections plus multiple risers and mounting blocks.
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Inspection 2014/08/07

Inspection Comment: Structure is in fair condition.

1	Required	High	\$ 10,000	Replace guardrail components. Require various 10' 10x10 guardrail sections plus multiple risers and mounting blocks.
2	Required	Low	\$ 500	Consider installing bridge ahead signs.
3	Required	Low	\$ 2,000	Consider installing 4 fenders.

Structure #: K1622

Site #:	K1622			Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	11.10			Crossing Name:	Unknown
Project File ID #:	7669	Br.	06	Forest Service Road:	ROAD 6 AND ROAD 20

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 180 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/07

Inspection Comment: Culvert is in good condition.

1	Required	Medium	\$ 500	Reattach beaver gate on downstream side.
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Structure #: PS-033

Site #:	K1647	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.00	Crossing Name:	Wylie Creek
Project File ID #:	7669	Br.	12
		Forest Service Road:	MANN CREEK-ROAD 12

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2015/08/15				
1	Required	High	\$ 200	Tighten curb bolts

Structure #: K1652

Site #:	K1652	Primary User Name:	CANFOR LIMITED
KM:	0.10	Crossing Name:	Unknown
Project File ID #:	7669	Br.	15
		Forest Service Road:	ROAD 7B TFL

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/04				
Inspection Comment: No notes as to why the last inspection was rejected. There are no markings on structure wo# etc. The bridge requires curbs and risers				
1	Required	High	\$ 4,000	Curbs and risers have high to extensive rot. Materials required for full replacement: 4-12' and 2-16' 10x10" curb timbers 700 BF 10-2' and 10-3' riser blocks 417 BF Some of the existing curb sections (2 newer) may be reused as risers
2	Required	Low	\$ 250	Minor brushing

Inspection 2016/09/24

1	Required	High	\$ 3,200	Curbs and risers have high to extensive rot. Materials required for full replacement: 4-12' and 2-16' 10x10" curb timbers 700 BF 10-2' and 10-3' riser blocks 417 BF
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Structure #: K1098

Site #:	K1098	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	4.16	Crossing Name:	Mann Cr
Project File ID #:	7669	Br.	15
		Forest Service Road:	ROAD 7B TFL



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 181 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/07/10

Inspection Comment: old abutments, newer slabs. Monitor right abutment.

2	Required	High	\$ 2,000	Deck joints need to be sealed.
4	Required	Medium	\$ 2,000	Use grout to patch concrete footing

Inspection 2007/09/18

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Brush out corners of the bridge.
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Inspection 2000/08/10

Inspection Comment: Overall: Requires work on the approaches, as they stand they are a hazard to traffic..

1	Required	Medium	\$ 0	Approach: Brush out the road. Fill in the approaches and install blocks or something to contain the fill. The distances from the old wing to the girders are; low chain downstream corner 1.2 m., upstream 1.3m. And the high chain downstream is 1.1 m. and the upstream is 1.3 m.
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Inspection 2013/07/10

Inspection Comment: old abutments, newer slabs. Monitor right abutment.

1	Complete	High	\$ 1,000	Bridge ahead signs
3	Complete	High	\$ 5,000	Replace guard rails.

Structure #: K750

Site #: K750 **Primary User Name:** CANADIAN FOREST PRODUCTS LTD.

KM: 0.17 **Crossing Name:** Mann Cr

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 182 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #:	7669	Br.	17	Forest Service Road:	Moira Lake Rec. Site
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REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2000/08/10

Inspection Comment: Overall: New deck was installed, it is 2.4 m. narrower than the original deck. The curbs appear to be only bolted through the decking. (see photo) The stringers now have very high rot values at the bearings.. Stringer: Stringers are very rotten on there ends. Rot values may increase dramatically..

1	Required	Medium	\$ 0	Abutment: Monitor scour.
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Inspection 2013/07/10

Inspection Comment: 1 delineator installed

1	Complete	High	\$ 1,000	Bridge ahead signs.
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Structure #: K135

Site #:	K135	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	9.13	Crossing Name:	Smoke Cr
Project File ID #:	8090	Br.	01
Forest Service Road:	SMOKE CREEK		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/16

Inspection Comment:

1	Required	Low	\$ 1	Install bridge ahead sign on right side
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Inspection 2016/09/16

Inspection Comment: This bridge requires new curbs and risers.

1	Complete	High	\$ 2,200	curbs and risers are rotten. Materials required: 10-10' and 2-6' 10x10" curb timbers 933 BF 20-2' and 2-3' riser blocks 383 BF Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 183 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

4	Complete	High	\$ 1,000	Reinstall low chain upstream concrete noposts Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 200	Clean deck Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
3	Complete	Medium	\$ 200	Brush bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2013/09/16

Inspection Comment:

2	Complete	Low	\$ 1	Re-install existing upstream left fender. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2010/07/19

Inspection Comment: Overall good condition - May want to consider cathodic protection.
 GPS coords: Long: 119 16' 46.7"; Lat: 52 05' 01.6"; +/-7m.

1	Complete	Low	\$ 5,000	Put right abutment - downstream fenders back into position. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2007/09/24

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Many of the bolts, through the flange style, are missing. One is not tight. Completed by BCTS under contract EN18TEE002 (AJS Jan 12 2018)
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Structure #: K1467

Site #:	K1467	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	9.90	Crossing Name:	Wilkins Creek
Project File ID #:	8090	Br.	02
		Forest Service Road:	NORTH FROTH

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Required	Medium	\$ 100	Bridge needs K-plate. June 5, 2015 Inspection DRB Forestry (DHP 03/16).

Inspection 2018/06/17

Inspection Comment: The repairs are not completed from the past inspections. Condition of the running planks, missing few segments of curb rail system make this structure UNSAFE. The bridge closed sign was installed at low chain. This structure has poor foundation. Consider replacing the structure with new one. Consider installing no-post barriers. Girder details attached in pictures.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 184 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

We drilled for rot at the ties and the remaining curb rail segment. We only found surface rot in both.

1	Required	High	\$ 72,000	Replace the structure with new.
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Inspection 2017/07/31

Inspection Comment: The deck is clipped to the flanges with non standard clips, see photo. The bridge appears to be bearing on inpeeled logs, the right bank is buried and rocks and gravel on the flanges. The furthest in creek side is 1.3 m. and the left bank is not buried and log pairs are 1.1 m. from the girder ends

1	Required	Medium	\$ 400	Install bridge ahead signs
2	Required	Medium	\$ 300	Brush out bridge

Inspection 2015/03/19

Inspection Comment: This is a Saunders Bridge, see photo of girder plate. There are no external girder stiffeners but a pipe diaphragm approximately .45 m. from the girder ends.
 The deck consists of prefab deck panels, each has 4 modified flange clips.
 It may be an issue that the girder first bearing point is in as much as .95 m. from the girder end.
 None of the suggested repairs have been done

2	Required	Low	\$ 150	Brush out bridge
1	Required	Medium	\$ 300	Install bridge ahead signs

Inspection 2012/09/14

Inspection Comment: SHORT FLHR DATE DUE TO SPRUCE LOG SILLS
 PB Jan 15,2013 Changed replacement date to 2016 based on log sill condition and lack of deck/girder connection.
 Requires deck clips to connect deck to girders. See repairs.

2	Required	High	\$ 1	Add bridge ahead signs.
3	Required	Low	\$ 1	Brush approaches.

Inspection 2011/10/24

Inspection Comment: There are no deck to girder bolts or clips or anything.

2	Required	High	\$ 1	add 2 bridge ahead signs
2	Complete	Medium	\$ 4,800	Replaced wood with panels from Clearwater yard (4050). More work on substructure or removal to be planned(rhm)

Inspection 2018/06/17

Inspection Comment: The repairs are not completed from the past inspections. Condition of the running planks, missing few segments of curb rail system make this structure UNSAFE. The bridge closed sign was installed at low chain. This structure has



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 185 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

poor foundation. Consider replacing the structure with new one. Consider installing no-post barriers. Girder details attached in pictures.
 We drilled for rot at the ties and the remaining curb rail segment. We only found surface rot in both.

2	Complete	High	\$ 2,000	Installed used panels from Clearwater yard(rhm) Replace all deck. Replace curbs 2-10"x10"x125", and risers 4-10"x10"x24"
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Inspection 2012/09/14

Inspection Comment: SHORT FLHR DATE DUE TO SPRUCE LOG SILLS
 PB Jan 15,2013 Changed replacement date to 2016 based on log sill condition and lack of deck/girder connection. Requires deck clips to connect deck to girders. See repairs.

1	Complete	Low	\$ 1	Install deck to girder clips
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Inspection 2011/10/24

Inspection Comment: There are no deck to girder bolts or clips or anything.

1	Complete	High	\$ 1	use clips to hold deck to girder
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Structure #: K697

Site #:	K697		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	4.33		Crossing Name:	Unnamed
Project File ID #:	8256	Br.	01	Forest Service Road: SERPENTINE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: The structure is been reinstalled. Is sitting on lock blocks. Please remove all old Repair and Monitoring from the list. The creek is flowing on a steep grade. The rounded riprap might cause some scouring in the future. Please update the load rating for the structure.

1	Required	High	\$ 800	Install new bracing at RS of the bridge
2	Required	High	\$ 700	RB-DS corner - Install guide log. Pin all guide logs at each corner as per the Ministry standards.
3	Required	High	\$ 600	Install bridge ahead signs.
4	Required	High	\$ 300	Brush at the approaches.

Inspection 2016/09/13

Inspection Comment: Structure is relatively unchanged from last inspection. Very little traffic over this structure, load rate signs are in place. Deck is about 50% rotted through and will only take light occasional traffic. No repairs have been done on this structure



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 186 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 45,000	Replace structure for iindustrial haul
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Inspection 2015/03/17

Inspection Comment: None of the suggested repairs appear to have been done. There is a slump across the road above the bridge, passable at this time. Looks like an active area.

1	Required	High	\$ 1,000	The tie supporting the first curb bracket on the downstream side is broken
2	Required	High	\$ 250	Clean sills and girder flanges
4	Required	Low	\$ 200	Cross drain road to remove surface water
3	Required	Medium	\$ 300	Install bridge ahead signs

Inspection 2014/03/02

Inspection Comment: Repair items prior to 2010 can be removed. They are no longer issues or are doubles.
 What has not been repaired - No bridge ahead signs. No sub deck or running plank replacement. Bracing has not been repaired.
 What has been repaired. Guradrails were replaced. Delineators installed. 54 ton signs present.
 Structure is in fair condition. But needs a new deck before active use. A hoe recently drove over bridge tearing up unprotected subdeck.

 PB Jan 27,2015 Structure requires replacement prior to any industrial haul. Maintain 10 tonne posting due to deck condition, failing abutments, cantilevered girders and unaddressed issues with the steel girders.

1	Required	Low	\$ 2,000	Consider adding 4 fenders.
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Inspection 2013/09/17

Inspection Comment: PB Apr14,2014. Requires deck replacement, see repairs. Subdeck is starting to fail. Maintain 54 tonne posting. Structure will be load rated in March 2015 as required based on deck condition.

3	Required	High	\$ 3,000	Replace sub-deck and add running planks. Single plank replaced in sub-deck to repair 2" hole. Daryll Cairns September 19/2014
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Inspection 2012/09/15

Inspection Comment: OLD LOG CRIB HAS BEEN NOTCHED SO THAT GIRDERS ARE NO LONGER BEARING ON IT
 STRUCTURE RE-SIGNED TO 54 TONNES
 NO ID PLATE FOUND
 PB Jan24.2013 Maintain posted load rating of 54 tonnes. D Cunliffe letter on file.

1	Required	High	\$ 1	Add bridge ahead signs.
2	Required	Low	\$ 1	Brush approaches.

Inspection 2011/10/20



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 187 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: No load rate posted****old cedar cribs appear in fair condition. Overspan is resting on top crib log on High chain side. Wrong structure data upon inspection; new data should be entered and updated. Appears to be timber sill for overspan, not steel pipe and precast pad and deck is untreated timber as is running surface. PB Mar10/11. Girder issue has not been addressed. Girders are now bearing on old high chain crib. Curbs require replacement. Post to 10 tonnes. See previous comments. GMc mar 31/09. Canfor should provide as built information and CRP certification for the overspanning girders. The bend in the girder (see photo) appears unchanged. Has the issue been addressed? Below are comments from last inspection.

Dec 6/06. GMc RUP Holder should provide Certification and As built to MOFr. The bent downstream girder should be addressed.

2	Required	High	\$ 1	Add 2 bridge ahead signs
3	Required	High	\$ 1	add delineators 2right and 1 left

Inspection 2010/03/17

Inspection Comment: bent bracing should be repaired and sills should be checked; two people required. PB Mar10/11. Girder issue has not been addressed. Girders are now bearing on old high chain crib. Curbs require replacement. Post to 10 tonnes. See previous comments. GMc mar 31/09. Canfor should provide as built information and CRP certification for the overspanning girders. The bend in the girder (see photo) appears unchanged. Has the issue been addressed? Below are comments from last inspection.

Dec 6/06. GMc RUP Holder should provide Certification and As built to MOFr. The bent downstream girder should be addressed.

1	Required	High	\$ 5,000	Replace all guardrails; rotten and insect and impact damage.
2	Required	Medium	\$ 5,000	Repair bent bracing at center span.

Inspection 2008/09/09

Inspection Comment: GMc mar 31/09. Canfor should provide as built information and CRP certification for the overspanning girders. The bend in the girder (see photo) appears unchanged. Has the issue been addressed? Below are comments from last inspection.

Dec 6/06. GMc RUP Holder should provide Certification and As built to MOFr. The bent downstream girder should be addressed.

1	Required	High	\$ 2,500	the curb timbers are short at the ends. This with high rot allows the bolts to pull out of the timer ends. there has also been some impact damage. Rot values in 4 timber sections are also high. Requires 4 10x10" curb sections 1-16', 2-15' and 1-8'
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Inspection 2003/09/23

Inspection Comment: Overall: This structures life is probably more in the 3 year range largely due to the dry rot and fiber lose.. Region: gmc Sep1-04, discussed 04 inspection with Ron. No posting required yet. Stringer: The stringers have significant rot values, primarily top rot in the mid stringers. The bearing points have high dry rot values with a lose of fiber..



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 188 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Abutment: Monitor the very high low chain downstream corner.
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Inspection 2000/07/20

Inspection Comment: Stringer: Stringers have no significant rot..

1	Required	Medium	\$ 0	Abutment: Monitor crib face erosion.
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Inspection 2011/10/20

Inspection Comment: No load rate posted****old cedar cribs appear in fair condition. Overspan is resting on top crib log on High chain side. Wrong structure data upon inspection; new data should be entered and updated. Appears to be timber sill for overspan, not steel pipe and precast pad and deck is untreated timber as is running surface. PB Mar10/11. Girder issue has not been addressed. Girders are now bearing on old high chain crib. Curbs require replacement. Post to 10 tonnes. See previous comments. Gmc mar 31/09. Canfor should provide as built information and CRP certification for the overspanning girders. The bend in the girder (see photo) appears unchanged. Has the issue been addressed? Below are comments from last inspection.

Dec 6/06. Gmc RUP Holder should provide Certification and As built to MOFr. The bent downstream girder should be addressed.

1	Complete	High	\$ 1	replace guardrails and risers prior to industrial use Guardrails replaced by District in 2012 MRF 01/2013
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Structure #: K696A

Site #:	K696	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	8.86	Crossing Name:	Moonbeam Cr
Project File ID #:	8256	Br.	01
Forest Service Road:	SERPENTINE CREEK		

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/07/28				
Inspection Comment: No issues				
2	Suggested	Medium	\$ 2,000	PB Feb27.2018 Requires concrete repair to one deck panel at ballast wall interface. Contact RBE for repair prescription.
1	Required	Medium	\$ 400	Install bridge ahead signs

Structure #: K1507A

Site #:	K1507	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.75	Crossing Name:	Dominion Creek
Project File ID #:	8256	Br.	03
Forest Service Road:	DOMINION CR MAINLINE		



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 189 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/07/28

Inspection Comment: The left bank rip rap only extends 7.0 m. above the bridge, some rip rap is stock piled downstream left bank. The right bank downstream appears stable.
 11U 0356907 5818049 are the structure coordinates km. 7.5

1	Required	High	\$ 3,000	Place the left bank upstream rip rap as required.
3	Required	High	\$ 1,000	remove woody debris dam collecting under the bridge, see photo
2	Required	Medium	\$ 150	Brush out bridge

Inspection 2011/10/25

Inspection Comment: right abutment (high chain), downstream side rip rap appears stable. No rip rap was noted 75m upstream on the low chain side. GPS coordinates and km are good.
 Old structure is still in place just upstream of the new structure.

1	Required	High	\$ 1	add the required rip rap approximately 75m upstream on the low chain side to prevent scour of stream; near old flood channel
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Structure #: K1683

Site #:	K1683		Primary User Name:	CLEARWATER FIELD UNIT-BCTS
KM:	1.91		Crossing Name:	Unnamed
Project File ID #:	8256	Br.	05	Forest Service Road: DOM NORTH FSR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/19

Inspection Comment: 6-700mm diameter steel pipes are installed at the crossing. Pipes are partly buried due to high debris and agradation occurrence. Crossing the site is UNSAFE. For that crossing we suggest either designing a new ford or installing large diameter culvert structure with trash rack. Bridge Closed sign installed at low chain side.

1	Complete	High	\$ 10,000	clear avalanche debris, wood, gravel and rock, from the upstream side and inlets. Contour upstream bank to maintain direction of flow(rhm2018/12/13)
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Structure #: K1079



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 190 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Site #:	K1079			Primary User Name:	
KM:	15.25			Crossing Name:	Willis Cr
Project File ID #:	8397	Br.	01	Forest Service Road:	RAFT-RAFT RIVER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/08

Inspection Comment: Repair items prior to 2011 can be removed as they are no longer valid. Delineators are installed as per previous inspection. Structure is in good condition.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Structure #: K098

Site #:	K098			Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	23.50			Crossing Name:	Molliet Cr
Project File ID #:	8397	Br.	01	Forest Service Road:	RAFT-RAFT RIVER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/08

Inspection Comment: Delineators have been replaced as per previous inspections. Gravel is still present thickly on the deck and may require powerwashing. Structure is in good condition.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Inspection 2011/10/05

Inspection Comment:

2	Required	Medium	\$ 0	Clean gravel off of deck
1	Complete	Medium	\$ 0	Repair riser block and replace downstream guardrail REplaced all curb rails and some risers in 2012. MRF 01/2013

Structure #: K1102

Site #:	K1102			Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	38.38			Crossing Name:	Maxwell
Project File ID #:	8397	Br.	01	Forest Service Road:	RAFT-RAFT RIVER

REPAIRS

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 191 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: Brushing is completed. Please remove the brushing from CBR. Consider installing no-post barriers.

1	Required	High	\$ 500	Install 5 new deck rubber joints
2	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 100	Fill potholes at the approaches. Est. volume =1m3

Inspection 2009/10/22

Inspection Comment: Span length: 15.5m

2	Required	Medium	\$ 1	Repair deck panel joints seals, 2 of them have failed.
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Inspection 2012/09/13

Inspection Comment: no issues

1	Complete	High	\$ 1	Add bridge ahead signs.
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Structure #: K056

Site #:	K056		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	39.08		Crossing Name:	#5
Project File ID #:	8397	Br.	01	Forest Service Road: RAFT-RAFT RIVER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/08

Inspection Comment: Bridge ahead signs have not been installed as per previous inspection. Brushing is not an issue. Structure is in good condition.

1	Required	Low	\$ 2,000	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 192 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Consider installing 4 fenders.

Inspection 2011/10/21

Inspection Comment:

1	Required	High	\$ 1	add 2 bridge ahead signs
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Inspection 2005/08/04

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Brush out around bridge.
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Inspection 2011/10/21

Inspection Comment:

2	Complete	High	\$ 1	replace guardrails and risers prior to industrial use. New Curbs, Risers and bracket blocks replaced. DC 2014
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Structure #: K861

Site #:	K861	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	45.95	Crossing Name:	Raft R
Project File ID #:	8397	Br.	01
		Forest Service Road:	RAFT-RAFT RIVER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: Structure in good condition with exception of precence of nails sticking out at deck joints. This is hazard. Please remove. Consider installing no-post barriers.

1	Required	High	\$ 300	Remove all nails from deck joints
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2	Required	High	\$ 6,000	Install no-post barriers.
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Inspection 2014/08/08

Inspection Comment: Guardrails have not been installed as per previous inspection. 36 blocks and risers plus 65m of guardrail timbers are required. Bridge ahead signs and delineators have not been installed as per previous inspection. Guards are too rotten to hold new delineators. Brushing is not an issue. Structure is in fair condition - due to failed guards.

PB Jan 26,2015 Replace all timber components.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 193 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
2	Complete	High	\$ 10,000	Replace guardrails. 36 blocks and 36 risers plus 65m of guardrail timbers plus hardware are required. Guardrails Replaced by CANFOR 2014.

Structure #: K1536

Site #:	K1536	Primary User Name:	CANFOR LIMITED
KM:	48.00	Crossing Name:	Unnamed
Project File ID #:	8397	Br.	01
		Forest Service Road:	RAFT-RAFT RIVER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: The repairs are not completed from the last inspection. The deck has a hole and is in poor condition. The structure is missing appropriate connection bolts between girder and lock blocks. The structure is UNSAFE. Between the lock blocks and the girder there should be installed bearing timber. Due to the deck condition, the Bridge Closed Sign were installed at the approaches.
 Drilling of ties show no deep rot just the surface rot (see pictures). Consider installing no-post barrier. Beaver dam under the bridge is 2 times larger that in the last year.

3	Required	High	\$ 1,000	Connect the girder to lock blocks.
4	Required	High	\$ 2,500	Remove beaver dam from under the bridge.

Inspection 2017/09/06

Inspection Comment: Heavy hauling deck is deteriorating quickly. Deck planks at a minimum, ties probably should be as well. The curbs are 12x12" and the down stream has extensive rot. Recommend full deck replace. Clear beaver dam at upstream girder.
 The tie to girder connection are J clips, see photo

1	Required	High	\$ 1,500	Remove beaver dam
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Inspection 2014/08/08

Inspection Comment: Bridge ahead signs have not been installed as per previous inspection. Deck timbers are weakly attached to girders. A cross braces is dented. There do not appear to be bearing pads between girders and lockblocks. Structure is in fair condition.

 PB Jan26,2015 Install deck clips for cross-tie/girder connection. Requires new curb / riser configuration (minimum 3 risers per side).

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Inspection 2018/06/16

Inspection Comment: The repairs are not completed from the last inspection. The deck has a hole and is in poor condition. The structure is missing appropriate connection bolts between girder and lock blocks. The structure is UNSAFE. Between the lock blocks and the girder there should be installed bearing timber. Due to the deck condition, the Bridge Closed



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 194 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Sign were installed at the approaches.

Drilling of ties show no deep rot just the surface rot (see pictures). Consider installing no-post barrier. Beaver dam under the bridge is 2 times larger that in the last year.

2	Complete	High	\$ 2,500	Replace all decking. Panels were supplied by BCTS from CW yard. Tolko installed panels. BCTS added two more deck clips to the 3m panel in October 2018(rhm)
1	Complete	High	\$ 1,000	Replace curb rail system.

Inspection 2017/09/06

Inspection Comment: Heavy hauling deck is deteriorating quickly. Deck planks at a minimum, ties probably should be as well. The curbs are 12x12" and the down stream has extensive rot. Recommend full deck replace. Clear beaver dam at upstream girder.
The tie to girder connection are J clips, see photo

2	Complete	High	\$ 4,500	Replace ties 13-8x10"x16' 1386 BF Replaced panels(R Muglich)
3	Complete	High	\$ 3,800	Rplace deck planks, materials required: 13'wx17' lx4" 884 BF Replaced panels (R Muglich)

Inspection 2012/09/13

Inspection Comment: structure does not have a timber cap between steel bridge and concrete lock blocks, girder clips are on top flange but not connected to deck
no ID plate
PB Jan 15,2013 Lag cross ties to girders; may require deck clips.

3	Complete	High	\$ 1	Add bridge ahead signs.
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Inspection 2010/08/17

Inspection Comment: No bridge ID plate. Structure in good repair.
PB Mar10/11. Lag cross ties to girders; may require deck clips.

1	Complete	High	\$ 500	Lag deck to girders, may require deck clips.
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Inspection 2012/09/13

Inspection Comment: structure does not have a timber cap between steel bridge and concrete lock blocks, girder clips are on top flange but not connected to deck
no ID plate
PB Jan 15,2013 Lag cross ties to girders; may require deck clips.

1	Complete	Low	\$ 1,000	BOLT DECK TO DECK CLIPS - Deck Clips bolted to Girders. 4/side. DC 2013
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Structure #: K854

Site #: K854 **Primary User Name:** CANADIAN FOREST PRODUCTS LTD.

KM: 51.46 **Crossing Name:** Raft R

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 195 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #:	8397	Br.	01	Forest Service Road:	RAFT-RAFT RIVER
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REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/08

Inspection Comment: Guardrails have not been replaced as per previous inspection. Brushing has not been completed but it is not critical, and bridge ahead signs have not been installed. Structure is in fair condition.

PB Jan 26,2015 Replace all timber components.

2	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Inspection 2011/10/21

Inspection Comment: PB Mar 8.2012 Requires mounting blocks replaced.

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Complete	High	\$ 1	new mounting blocks required; likely the guardrails and risers should be replaced at the same tim

Inspection 2014/08/08

Inspection Comment: Guardrails have not been replaced as per previous inspection. Brushing has not been completed but it is not critical, and bridge ahead signs have not been installed. Structure is in fair condition.

PB Jan 26,2015 Replace all timber components.

1	Complete	Low	\$ 10,000	Replace guardrails. Guardrails require 50m of guardrail, 28 risers and 28 blocks. All wooden componenets replaced - DC
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Structure #: K117

Site #:	K117	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	60.76	Crossing Name:	Raft R
Project File ID #:	8397	Br.	01
Forest Service Road:	RAFT-RAFT RIVER		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/17

Inspection Comment: No issues



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 196 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Medium	\$ 5,000	brush road
1	Complete	Low	\$ 1,000	add bridge ahead signs

Structure #: K969

Site #:	K969		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	0.45		Crossing Name:	Candle Cr
Project File ID #:	8397	Br.	02	Forest Service Road: RAFT-RAFT PEAK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2008/09/17

Inspection Comment: The inlet and channel above the culvert should be cleared of woody debris to allow full unimpeded flows through the culvert. The log across the inlet has caused bedload build up and restricted flows through the culvert. GMc Oct22/08 Inspected the culvert Oct 16/08. The log staddling the inlet should be removed ASAP. The outlet rip rap should be watched closely and photographed at each inspection for monitoring purposes. The outlet rip rap should be inspected by local staff after each highwater event. GMc Oct 21/08 Leon advises that the log has been removed

1	Required	High	\$ 400	The inlet and channel above the culvert should be cleared of woody debris to allow full unimpeded flows through the culvert.
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Inspection 2007/09/19

Inspection Comment: Overall: Very precarious wing and head wall stability issues as well bedload and woody debris build ups.. Region: GMc Dec 05/07 Clear up debris at inlet.

1	Required	Medium	\$ 0	Culvert: Monitor downstream wing and head walls for failure.
2	Required	Medium	\$ 0	Hazard: Remove woody debris from channel and inlet.

Inspection 2005/08/04

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Monitor erosion of fill and road.
2	Required	Medium	\$ 0	Culvert: Monitor unstable rip rap.
3	Required	Medium	\$ 0	Hazard: Remove log from inlet



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 197 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2003/10/01

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Monitor fill erosion.
2	Required	Medium	\$ 0	Culvert: Monitor rip rap.
3	Required	Medium	\$ 0	Hazard: The log across the inlet should be removed.

Inspection 2001/03/08

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Monitor outlet fill and rip rap.
2	Required	Medium	\$ 0	Hazard: Remove log from inlet.

Inspection 1999/09/19

Inspection Comment: Overall: High probability of failure with any oversaturation or erosion.. Environmental: High probability of failure with any oversaturation or erosion..

1	Required	Medium	\$ 0	Culvert: Monitor unstable rip rap.
2	Required	Medium	\$ 0	Hazard: Clear debris from inlet.

Inspection 2012/09/13

Inspection Comment: OUTLET DOES NOT APPEAR TO BE ERODING FURTHER
 PB Jan25,2013 Monitor outlet rip rap for stability.

1	Complete	Low	\$ 1	Brush approaches. Completed MRF 12/2013
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Inspection 2011/10/05

Inspection Comment: Rip Rap at outlet looks fine, but there is a significant drop off at outlet potential for erosion, but no change from last inspection. There are some rip rap material at the inlet slowing the water into the pipe so this helps.
 PB Mar8.2012. Annual inspection to monitor outlet rip rap.

1	Complete	Medium	\$ 0	Brush out around structure Brushing completed. MRF 12/2013
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Structure #: K968

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 198 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Site #:	K968		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	2.79		Crossing Name:	Candle #2
Project File ID #:	8397	Br.	02	Forest Service Road: RAFT-RAFT PEAK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2012/09/13

Inspection Comment: NO ISSUES

1	Required	Low	\$ 1	Brush approaches.
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Inspection 2007/09/19

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor piping and scouring. Some scouring of rip rap and damp sacking at the inlet.
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Structure #: K1099

Site #:	K1099		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	4.59		Crossing Name:	McCorvie Cr
Project File ID #:	8397	Br.	03	Forest Service Road: RAFT-MARTIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: The repairs from the last inspection completed. Please remove them from CBR. The structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 300	Clean deck
2	Required	High	\$ 400	Fill potholes at the approaches. Est. volume = 4m3
3	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2015/09/17

Inspection Comment: New curbs have been installed, no bridge ahead signs or brushing done

2	Complete	Low	\$ 200
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 199 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Brush out bridge
1	Complete	Medium	\$ 650	Install bridge ahead signs

Inspection 2012/09/13

Inspection Comment: REPLACE GUARDRAILS

1	Complete	Low	\$ 10,000	REPLACE ALL GUARDRAILS AND RISERS BEFORE INDUSTRIAL USE
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Inspection 2009/10/22

Inspection Comment: Span length: 9.5m

1	Complete	Medium	\$ 1	Repair damaged riser as a temp fix, a better solution would be to replace all the guardrail components, existing is starting to rot.
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Structure #: K820

Site #:	K820		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	15.45		Crossing Name:	Raft R
Project File ID #:	8397	Br.	03	Forest Service Road: RAFT-MARTIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/28

Inspection Comment: The crew who redecked this structure tossed all the woody debris over the corners of the bridge, making a near impassable jumble

1	Required	High	\$ 1,000	Clean sills and bearings
2	Required	Medium	\$ 300	Brush out bridge

Inspection 2013/09/19

Inspection Comment:

3	Required	Low	\$ 1,000	add bridge ahead signs
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Inspection 2010/08/17

Inspection Comment: Overall fair condition, need to remove soil from bearing pads.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 200 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 5,000	Clean off bearing pads
2	Required	Medium	\$ 5,000	Brush out site

Inspection 2007/09/19

Inspection Comment:

1	Required	Medium	\$ 0	SuperStructure: Clean off bearing pads.
2	Required	Medium	\$ 0	Approach: Brush out.

Inspection 2004/10/15

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Brush out around the bridge.
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Inspection 2001/03/08

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Brush out bridge approaches.
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Structure #: K795

Site #:	K795	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	6.59	Crossing Name:	Richie Cr
Project File ID #:	8397	Br.	06
Forest Service Road:	RAFT-KOWALSKI		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/06

Inspection Comment: The curbs have a limited life

1	Required	Medium	\$ 3,000	Curbs have a limited life, materials required to replace: 4-18' and 6-3' 10x10" curb timber 750 BF
2	Required	Medium	\$ 300	Brush out bridge

Inspection 2014/03/08



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 201 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: Guardrails have been repalced since previous inspection. Riprap is fine and there is no log under structure. All repairs prior to 2011 can be removed. Structure is in good condition.

1	Required	Low	\$ 1,000	Second tie from woods side is broken. Replace.
2	Required	Low	\$ 2,000	Consider installing 4 fenders.

Structure #: K1020

Site #:	K1020		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	1.75		Crossing Name:	Unnamed
Project File ID #:	8397	Br.	09	Forest Service Road: RAFT-WEST RAFT

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/06

Inspection Comment: The road is grown in and impassable beyond. The bridge requires all curbs and risers

1	Required	High	\$ 6,000	Requires curbs and risers 1450 BF, 4-16', 4-10' and 14-2' 14-3' riser blocks
2	Required	High	\$ 400	Brush out bridge and road
3	Required	High	\$ 250	Install 4 delineators
4	Required	Low	\$ 400	Install bridge ahead signs

Inspection 2014/08/08

Inspection Comment: Road is heavily brushed in. No repairs have been completed as per previous inspections. Structure is in fair condition.

1	Required	High	\$ 10,000	Install all new guardrail components. 32m of guardrail timbers, 14 blocks and 14 risers plus hardware.
2	Required	Low	\$ 2,000	Consider installing 4 fenders.
3	Required	Low	\$ 500	Consider installing bridge ahead signs.

Inspection 2010/08/17

Inspection Comment: Overall, is in good repair.

1	Required	High	\$ 5,000	Brush out road and structure.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 202 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2007/09/19

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Will require fill at approaches for industrial haul. Brush out around the bridge.
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Structure #: K1100

Site #:	K1100	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	6.96	Crossing Name:	Unnamed
Project File ID #:	8397	Br.	09
		Forest Service Road:	RAFT-WEST RAFT

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: Brushing not completed since the last inspection. Accumulation of bedload occurred in the pipe at low chain side only.

1	Required	High	\$ 300	Brush approaches.
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Inspection 2015/09/16

Inspection Comment: Bed load for the most part has flushed through

1	Required	Low	\$ 500	Brush out inlet and road
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Inspection 2012/09/13

Inspection Comment: no issues, no bedload build up upstream or inside structure

1	Required	Low	\$ 1	Brush approaches
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Structure #: K1054

Site #:	K1054	Primary User Name:	WEST FRASER MILLS LTD.
KM:	0.00	Crossing Name:	Unnamed
Project File ID #:	8398	Br.	01
		Forest Service Road:	AVOLA MOUNTAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 1999/09/10

Inspection Comment:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 203 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Culvert: Bend the culvert invert down at the inlet.
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Inspection 1997/08/11

Inspection Comment: Overall: Culvert invert should be bent back down. The culvert class should possibly be changed to "I" for inactive..

1	Required	Medium	\$ 0	Culvert: Bend the culvert invert back down at the inlet.
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Structure #: K1053

Site #:	K1053		Primary User Name:	WEST FRASER MILLS LTD.
KM:	0.01		Crossing Name:	Unnamed
Project File ID #:	8398	Br.	01	Forest Service Road: AVOLA MOUNTAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2007/09/28

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Would require more fill for industrial haul.
2	Required	Medium	\$ 0	Hazard: Monitor after freshet or extreme flows.

Inspection 1999/09/10

Inspection Comment: Overall: Culvert may not handle flows either because of ice or high volume.. Region: Monitor at extreme high water, as it appears that the culvert may not be adequate due to ice or extreme flows.. Environmental: Culvert may wash out, too small diameter..

1	Required	Medium	\$ 0	Culvert: Add fill and riop rap protection. Bend down culvert invert.
2	Required	Medium	\$ 0	Hazard: Monitor at extreme high water, as it appears that the culvert may not be adequate due to ice or extreme flows.

Inspection 1997/08/11

Inspection Comment: Overall: Very rough culvert installation..

1	Required	Medium	\$ 0
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 204 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Approach: Grade and add more cover fill.
2	Required	Medium	\$ 0	Culvert: Cover fill is low, requires more fill, may be able to grade up.

Structure #: K037

Site #:	K037			Primary User Name:	WEST FRASER MILLS LTD.
KM:	22.81			Crossing Name:	Lion Cr
Project File ID #:	8398	Br.	01	Forest Service Road:	AVOLA MOUNTAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/07/29

Inspection Comment: 7m span X 4.8m wide, repair or replace structure. Should be downrated from industrial haul traffic 1-2 years. PB Mar 01/11. Structure removed in 2010.

1	Suggested	High	\$ 5,000	repair or replace structure - load rate to check.
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Inspection 2008/09/12

Inspection Comment: GMC Mar 30/09 This structure should be professionally inspected or closed in by Aug 1, 2009.
 The bridge has not deteriorated significantly from last inspection.

1	Suggested	High	\$ 200	Fill sink holes at the high chain end of the bridge.
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Inspection 2007/09/28

Inspection Comment: Overall: No bridge ahead signs. The bridge has been posted @ 5 tonnes by others. Brims indicates 2 tonne load rating. Continue to monitor closely if not removed.. Region: GMC Dec 4/07 This structure should be closed, strengthened with new curbs and needle beams at each abutment, or replaced. Stringer: No significant change or indication of failure..

1	Suggested	Medium	\$ 0	Deck: Not worth repair.
2	Suggested	Medium	\$ 0	Approach: Fill sink hole and brush out.

Inspection 2006/10/12

Inspection Comment: Overall: Equipment have made wet crossing at this site. Consider closure or replacement, due to deck components and sink hole at high chain.. Region: GMc Dec 7/06 The best thing to do would be to close but it needs to stay open, post to 2 tonnes. Stringer: No indication of failure.

1	Suggested	Medium	\$ 0	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 205 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Approach: Fill sink holes.

Inspection 2005/10/09

Inspection Comment: Overall: No sign of failure or significant stringer rot change.. Region: Gmc Dec 5/05 Posted to 5 T Inspect annually. Stringer: No significant change from last inspection..

1	Suggested	Medium	\$ 0	Approach: Fill in sink holes Sink at high chain approach, probably a result of the failed bulkheads.
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Inspection 2004/09/02

Inspection Comment: Overall: 5 tonne appears to fine no significant changes. Bridge is posted at 5 tonnes. Region: Mar 14/05 GMc. Stringer: The rot at #1 bearing of #5 stringer is now thru, top rot is fairly consistent at 100 mm. The rest of the sampled location are good..

1	Suggested	Medium	\$ 0	Approach: Fill in sink holes.
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Inspection 2003/09/26

Inspection Comment: Overall: This structure may require a load rating. GMc Feb 3/04 This structure should be posted to 5 T,strengthened or replaced. Region: This structure should be posted to 5 T, strenghtened or replaced. Stringer: The stringers have on average 80 mm. Of top rot and extensive rot at the high chain due to fill on stringer ends..

1	Suggested	Medium	\$ 0	Approach: Fill in the sinks holes at the high chain.
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Inspection 2001/08/02

Inspection Comment: Stringer: Some rot values are increasing due to fill on the stringer ends, may deteriorate quickly..

1	Suggested	Medium	\$ 0	Deck: Reconnect curbs.
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Inspection 1999/09/10

Inspection Comment: Overall: Stringers are still in fairly good condition, not so with the deck components.. Stringer: Stringer rot values do not appear to have increased dramatically from last inspection..

1	Suggested	Medium	\$ 0	Deck: Reconnect curbs.
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Inspection 1997/08/11

Inspection Comment: Overall: Curb repairs are required now and a new full deck will be required soon.. Stringer: Stringer #2 at bearing has significant rot, others may follow quickly as these stringers are very dry..

1	Suggested	Medium	\$ 0	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 206 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Deck: Cable/bolt the curbs to the bridge.

Inspection 1994/03/08

Inspection Comment: Stringer: Good..

1	Suggested	Medium	\$ 0	Deck: Cable and or bolt curbs.
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Structure #: K797

Site #:	K797	Primary User Name:	WEST FRASER MILLS LTD.
KM:	2.89	Crossing Name:	Mad R
Project File ID #:	8398	Br.	02
		Forest Service Road:	DENNIS LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2004/09/02

Inspection Comment: Region: GmcMar 16/05. Stringer: The stringers have on average 60-80mm and on the sides most locations have 80-120mm of rot. The stringers are slabed top and bottom..

1	Suggested	Medium	\$ 0	Approach: Brush out around the bridge
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Inspection 1999/09/16

Inspection Comment: Stringer: Stringer rot is minimal, most has occurred where the bark was not removed..

1	Suggested	Medium	\$ 0	Approach: Brush out around the bridge.
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Inspection 1997/08/11

Inspection Comment: Stringer: Stringers are sound, some locations still have bark on the stringer sides..

1	Suggested	Medium	\$ 0	Abutment: Monitor blocking under high chain crib.
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2	Suggested	Medium	\$ 0	Hazard: Monitor crib blocks at the high chain.
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Inspection 1995/09/08

Inspection Comment: Overall: Not placing rip rap may compromise this structure.. Stringer: Stringers are good..

1	Suggested	Medium	\$ 0	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 207 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Abutment: Monitor for scour. Placing damp sacks along crib face may minimize further scour.

Structure #: K127

Site #:	K127	Primary User Name:	WEST FRASER MILLS LTD.
KM:	5.54	Crossing Name:	Stratton Cr
Project File ID #:	8398	Br.	03
		Forest Service Road:	STRATTON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/07/29

Inspection Comment: 6m span X 5.3m wide. Close down due to very rotten deck - almost not safe to walk on. PB Mar09/11. Structure was removed in 2010.

1	Suggested	High	\$ 5,000	Replace structure or repair, undermining of right abutment
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Inspection 2007/09/28

Inspection Comment: Overall: Running strip failure and rotten stringers are of primary concern. This structure appears to have been over spanned at one time and the structure removed, likely 2005-6. The condition is poor, Brims indicates a rating of 2 tonnes but the bridge has been posted by other @ 5 tonnes. Recommend closure and removal.. Region: GMC Dec 4/07 Recommend Closure or replacement. Stringer: Stringers are rotten, no indication of failure..

1	Suggested	Medium	\$ 0	Abutment: Monitor for failure.
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Inspection 2004/09/02

Inspection Comment: Region: GMc Mar 14/05. Stringer: Rot values on #1 & 7 are through at bearing, no other significant changes. Lots of top rot.

1	Suggested	Medium	\$ 0	Hazard: Monitor scour.
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Inspection 2003/09/26

Inspection Comment: Overall: The current load rate seems reasonable.. Stringer: No indications of stringer failure..

1	Suggested	Medium	\$ 0	Approach: Monitor crib erosion.
2	Suggested	Medium	\$ 0	Hazard: Monitor crib erosion. Along the face of the high chain crib and has caused a large sink hole to developed behind the high chain crib downstream side.

Inspection 2002/08/16

Inspection Comment: Overall: No significant changes to structure.. Stringer: No indication of failure..



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 208 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Suggested	Medium	\$ 0	Hazard: Monitor crib scour.
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Inspection 1998/09/18

Inspection Comment: Overall: Expect 3 years of life for stringers, deck components may not make 3 years.. Stringer: Stringer rot values may start to accelerate, some core rot was evident. Life of stringers is probably more toward the 3 year in the 3-5 rating..

1	Suggested	Medium	\$ 0	Hazard: Monitor crib erosion.
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Structure #: K040A

Site #:	K040	Primary User Name:	MINISTRY OF FORESTS, LANDS AND NATURAL
KM:	0.91	Crossing Name:	Lion Cr
Project File ID #:	8398	Br. 04	Forest Service Road: PARK ROAD

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: The repairs are not completed from the past inspections. No deck clip installed, no additional layer of planks added, no bridge ahead signs installed. Consider installing no-post barriers.

4	Suggested	High	\$ 5,000	PB Feb01.2019 Deck clips should be installed where lags are missing and wear deck should be added over subdeck.
1	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 600	Install bridge ahead signs.
2	Required	Medium	\$ 2,000	Install deck clips where lags are missing and wear deck should be added over subdeck.

Inspection 2016/09/20

1	Required	Medium	\$ 600	Install bridge ahead signs
2	Required	Medium	\$ 2,000	PB Jan26.2017 Deck clips should be installed where lags are missing and wear deck should be added over subdeck.

Inspection 2014/08/04

Inspection Comment: Bridge signs have not been installed as per previous inspection. There is no issue at all erosion on right abutment at this time. Structure is in good condition.

1	Required	Low	\$ 2,000	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 209 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Consider installing 4 fenders prior to active use.

Inspection 2012/09/16

Inspection Comment: COORDINATES - N51 53 56.8, W119 24 14.9
 SINGLE LOCK BLOCKS UNDER EACH GIRDER, EROSION AROUND RIGHT SIDE ABUTMENT HAS STARTED BUT NOT AN ISSUE YET, CONTINUE TO MONITOR. NO GEOTEXTILE USED UNDER RIPRAP TO PROTECT THE FILL UNDER THE LOCK BLOCKS.
 NO ID PLATE FOUND

1	Required	High	\$ 1	Add bridge ahead signs.
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Structure #: K042

Site #:	K042	Primary User Name:	WEST FRASER MILLS LTD.
KM:	13.48	Crossing Name:	Upper Raft R
Project File ID #:	8398	Br.	04
		Forest Service Road:	PARK ROAD

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/18

Inspection Comment: The curbs and risers have extensive rot, primarily the downstream, probablt best to replace all. Bridge ahead signs installed

1	Required	High	\$ 3,000	The curbs and risers have extensive rot, primarily the downstream, probably best to replace all. Materials required for all: 4-10' and 2-14' 10x10" curb timbers. 566 BF 10-2' and 10-3' riser blocks 417 BF
2	Required	Medium	\$ 500	Add fill to bridge corners
3	Required	Medium	\$ 200	Brush bridge

Inspection 2013/09/17

Inspection Comment: no issues

1	Required	Low	\$ 1,000	add bridge ahead signs
2	Required	Medium	\$ 5,000	brush road

Inspection 2000/07/25

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 210 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Deck: Requires 2 new curb sections 10'x10"x10" as well as 2 riser sections.
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Inspection 1997/03/11

Inspection Comment: Overall: Requires curb repair..

1	Required	Medium	\$ 0	Deck: Replace 2 curb sections, the low chain downstream and the high chain upstream. Use the old curb section to cut new risers. Require 2 curb sections @ 3.2 m. long 10x10" fir timber.
2	Required	Medium	\$ 0	Hazard: Monitor scour.

Inspection 1994/08/08

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Repair damaged curbs.
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Structure #: K799

Site #:	K799		Primary User Name:	WEST FRASER MILLS LTD.
KM:	18.03		Crossing Name:	Unnamed
Project File ID #:	8398	Br.	04	Forest Service Road: PARK ROAD

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/16

Inspection Comment: The structure noted settlement looks similar to the last year inspection. Brushing completed. Gravel bumpers not installed. Please remove all old repairs from the CBR.

1	Required	High	\$ 6,000	Install no-post barriers
2	Required	Medium	\$ 100	LB- fill pothole. Est. volume =1m3

Inspection 2017/07/28

Inspection Comment: The erosion of the abutments is unchanged. The right bank has very little protection, the creek is generally a low volume flow but lack of protection may compromise the structure. curbs and risers have been updated but grader timbers were not installed. The deck gravel surface is eroding along the edges. The lack of fill up to the base of the sill and rip rap to retain it has allowed fill at the bridge ends to settle.

2	Required	Low	\$ 100	Brush out bridge
1	Required	Medium	\$ 1,000	Install deck gravel grader timber or remove gravel from deck



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 211 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2016/09/18

Inspection Comment: Erosion of the abutments does not appear to have significantly changed. Curbs have been replaced but the gravel retaining boards were not

1	Required	High	\$ 1,000	Install gravel retaining boards or remove deck gravel
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Inspection 2014/08/03

Inspection Comment: Riprap is poor but not yet a concern. Bridge ahead signs have not been installed, brushing has not been completed and the guardrails have not yet been replaced as per previous inspections. All repairs prior to 2010 could be removed as they are covered by the monitor item. Structure is in good condition. Quad access only due to 2 bridge removals on either side of Park Road.

2	Required	High	\$ 3,000	10cm of gravel on the deck should be removed.
1	Required	Low	\$ 2,000	Install 4 fenders prior to active use.

Inspection 2013/09/23

Inspection Comment: No issues

2	Required	Low	\$ 1,000	add bridge ahead signs
3	Required	Medium	\$ 5,000	brush road

Inspection 1998/09/18

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor rip rap after extreme flows or high water.
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Inspection 2015/09/01

Inspection Comment: Bridge ahead signs have been installed and some brushing around bridge has recently been done.

4	Complete	Medium	\$ 5,000	PB Feb16.2016 Replace all timber components.
1	Complete	High	\$ 3,500	Curbs will require replacement soon. Materials required 433 BF of 10x10 curb timber 8-2' and 8-3' riser blocks, 333 BF Curb rails, risers, mounting brackets replaced 2015 - DC

Structure #: K647A

Site #: K647 **Primary User Name:** BC HYDRO

KM: 2.03 **Crossing Name:** Unnamed

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 212 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #: 8398 Br. 06 Forest Service Road: E AVOLA-LION CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
2	Suggested	High	\$ 6,000	PB Feb05.2019 Structure requires remaining deficiencies rectified. Additional abutment fill and additional armouring required; footings are shallow with little cover and may become exposed. Bedrock encountered during install. Endfills are oversteepened.

Inspection 2018/06/16

Inspection Comment: The grout between panels looks sufficient and is in place. At the LB abutment the geotextile is pocketing below the ballast wall. It is recommended to add more fill to avoid the road fill material entering the creek.

1	Required	High	\$ 600	ABLB- add more fill material below the ballast wall.
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Structure #: K1704

Site #:	K1704	Primary User Name:	CLEARWATER FIELD UNIT-BCTS
KM:	4.75	Crossing Name:	Unnamed
Project File ID #:	8398	Br. 06	Forest Service Road: E AVOLA-LION CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/16				
Inspection Comment: 2000 diameter CSP. The coupler connection gap filled with gravel. Water is not piping.				
1	Suggested	Low	\$ 4,000	PB Feb05.2019 Road looks to be narrow at crossing. Additional rock fill should be considered to widen road prism.

Structure #: K800

Site #:	K800	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.26	Crossing Name:	Berry Cr #2
Project File ID #:	8410	Br. 01	Forest Service Road: BERRY CR FSR

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/16				
Inspection Comment: Structure in good condition. Walking access only.				



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 213 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 1,000	Brush entire road
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Inspection 2007/10/04

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Brush out road.
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Inspection 2005/10/09

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor for rip rap erosion.
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Structure #: K1696

Site #:	K1696		Primary User Name:	CLEARWATER FIELD UNIT-BCTS
KM:	12.89		Crossing Name:	Unnamed
Project File ID #:	8410	Br.	01	Forest Service Road: BERRY CR FSR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/17

Inspection Comment: Coupled connections are poorly installed (see pictures). The structure was not piping during the inspection.

1	Required	High	\$ 1,000	Seal the coupled connections with alternative method.
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Structure #: K1052

Site #:	K1052		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	4.10		Crossing Name:	Berry Cr
Project File ID #:	8410	Br.	02	Forest Service Road: BERRY-MESSITER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/17

Inspection Comment: The removal of the large boulder from the bearing pad not completed. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 214 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	High	\$ 350	Remove boulder resting at bearing pad.
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Inspection 2015/09/01

Inspection Comment: Bearing points have been moved in from the former bearing approximately 1.0 m at both girder ends. A new diaphragm appears to have been welded at the new bearing. None of the recommended repairs have been done

2	Required	Low	\$ 250	Remove rock from resting on bearing pad
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Inspection 2009/10/27

Inspection Comment: Span length: approx 20.0m
 Bridge length: approx 22.3m

 Update this inspection record, this structure is a steel girder, timber deck, pipe riser abutment.

1	Required	Low	\$ 1	Remove large rock sitting on townside downstream bearing sandwich.
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Inspection 2015/09/01

Inspection Comment: Bearing points have been moved in from the former bearing approximately 1.0 m at both girder ends. A new diaphragm appears to have been welded at the new bearing. None of the recommended repairs have been done

1	Complete	Medium	\$ 500	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2012/09/15

Inspection Comment: STRUCTURE INFO DOES NOT MATCH - SITE DATA SHEET COMPLETED
 PB Jan 16,2013 Structure data updated.

1	Complete	High	\$ 1	Add bridge ahead signs. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Structure #: K1028

Site #:	K1028	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	7.25	Crossing Name:	Snowball Cr
Project File ID #:	8410	Br.	02
		Forest Service Road:	BERRY-MESSITER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/07/31

2	Required	High	\$ 150	Install damaged right bank delineators
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 215 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 400	Install bridge ahead signs LMU Nov 30,2017 K1052 and K1028 both have bridge ahead signs.
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Structure #: K829

Site #:	K829	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	9.00	Crossing Name:	Unnamed
Project File ID #:	8410	Br.	02
		Forest Service Road:	BERRY-MESSITER

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/17

Inspection Comment: The culvert coupled connections are wide and leaking (both of them) (see picture). The culvert should be replaced before will burst. The overflow culvert inlet not clean as mentioned in the repairs section. Please remove the old/not active repairs from CBR.

1	Required	High	\$ 1,000	Clean overflow culvert inlet.
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Inspection 2017/07/31

Inspection Comment: Flow through culvert is very low at this inspection and likely to decline further into August. This may offer the opportunity to rope access the culvert to fully inspect. By the time flows reach the outlet, flows appear to be equal through and under the cuovert. The culvert is worn through at outlet and back into the culvert. The overflow culvert still has not been cleared.

1	Required	High	\$ 1,000	The overflow culvert is partially blocked at the inlet
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Inspection 2016/09/18

Inspection Comment: The culvert seems to be performing relatively well, the invert is worn through and water is piping. The outlet is perched 1.7 m. out of the fill and sags. A boulder and woody debris was cleared through the culvert at this inspection. Some woody debris is still accumulated at the inlet will require a chain saw. The overflow culvert is partially filled with rock and should be cleared. Given the volumn and velocity through this culvert it should be maintained and monitored closely. The downstream implications are very high if it fails.

1	Required	High	\$ 1,000	Clear the overflow culvert of rock and gravel
2	Required	High	\$ 500	Clear remaining woody debris from inlet

Inspection 2015/09/01

Inspection Comment: Culvert overflow inlet is partially blocked, see photo. The water volumn is such that the ivert is not visisble. There is a fair amount piping at the outlet and some of the corrogation is worn through so it is assumable that the invert may have substantial wear.

1	Required	High	\$ 500	The overflow culvert is partially blocked at the inlet with rock and gravel.
3	Required	High	\$ 250	Remove woody debris from inlet



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 216 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Medium	\$ 300	Brush out the downstream road side
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Inspection 2010/07/20

Inspection Comment: Overflow pipe has coarse rocky material over lip of inlet; doesn't appear to have been utilized. 3m of total fill over inlet, 1.5m rock for 6m then 3m gravel fill; outlet has 6m to 8m fill, too dangerous to get directly above pipe for an accurate measurement. 1200mm overflow pipe is set back ~3m from the inlet of the 3000mm pipe and has an invert elevation of ~1.5m above the invert of the 3000mm pipe. The 1200mm pipe appears to be in fair shape. PB Mar 11/11. Repairs to inlet to address piping and repairs to failing outlet invert should be completed during the 2011 season.

1	Required	High	\$ 5,000	PB Mar 11/11. Repairs to inlet to address piping and repairs to failing outlet invert should be completed during the 2011 season.
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Inspection 2007/09/24

Inspection Comment: Overall: Culvert was inspected with G. McClelland regional bridge engineer..

1	Required	Medium	\$ 0	Hazard: fine material or bentonite was proposed to be placed at the inlet to seal the upper end of the culvert.
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Inspection 2005/10/10

Inspection Comment: Overall: Monitor and/or inspect at low water. A fair volume of water is flowing out under the culvert at the outlet. It is causing some erosion of the fill, but appears to be relatively stable. It is uncertain where the water is coming from, damaged helical seal, poor connections, worn invert or piping from the inlet.. Region: GMc Dec 5/05; Aug 29/06 GMc Inspected.

1	Required	Medium	\$ 0	Hazard: Monitor piping and subsequent erosion.
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Inspection 2004/09/03

Inspection Comment: Overall: Monitor piping and invert wear. Possibly schedule a inspection at low water to examine the invert and connections.. Region: GMc Mar 14/05 This culvert should be closely monitored every spring and at every heavy highwater event. Discuss with Ron Peace if removal of the boulder in the pipe is necessary.

1	Required	Medium	\$ 0	Culvert: Monitor piping and invert wear. Possibly schedule a inspection at low water to examine the invert and connections.
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2	Required	Medium	\$ 0	Hazard: Monitor flow under the culvert and erosion.
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Inspection 2003/09/24

Inspection Comment: Overall: Perhaps at next inspection a rope could be used to secure the inspector from sliding down the culvert to measure the gap between sections..

1	Required	Medium	\$ 0	Hazard: Monitor piping.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 217 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2002/08/16

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor piping and invert erosion.
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Inspection 2000/07/21

Inspection Comment: Overall: If the overflow is required it may erode the outlet fill..

1	Required	Medium	\$ 0	Hazard: Monitor piping.
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Inspection 1998/09/21

Inspection Comment: Region: Requires some debris control and hydraulic improvements. Environmental: Approximately 3.0 m. drop from outlet..

1	Required	Medium	\$ 0	Hazard: Monitor piping under culvert.
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Structure #: KT70919

Site #:	K1549	Primary User Name:	BC TIMBER SALES - HEADQUARTERS		
KM:	2.60	Crossing Name:	Unnamed		
Project File ID #:	8410	Br.	10	Forest Service Road:	CL8410.10

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/17

Inspection Comment: The repairs are not completed from the past inspections. Coordinates are adequate. No settlement noted. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
2	Required	High	\$ 500	The downstream at the low chain/#2 has been damaged. Material required 1 -30" 10x10" curb riser and 2 bolts 32"
3	Required	High	\$ 600	Install bridge ahead signs.

Inspection 2016/09/18

1	Required	High	\$ 500	The downstream at the low chain/#2 has been damaged see photo material required 1 -30" 10x10" curb riser and 2 bolts 32"
2	Required	Medium	\$ 400	Install bridge aheadsigns



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 218 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/03

Inspection Comment: Lockblocks are sideways and pinned in place but there is no bearing pad. its steel on concrete. Bridge ahead signs have not been installed and 10' section of guardrail has not been replaced as per previous inspection. Bridge is in fair condition.
 MJF Inspection tab details re-entered Jan 15-2015.

3	Required	Medium	\$ 2,000	Add approach barriers to all 4 corners of structure.
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Inspection 2012/10/14

Inspection Comment:

1	Required	High	\$ 1	add bridge ahead signs
2	Required	Low	\$ 1	replace 1 downstream guardrails and riser due to damage
1	Complete	Low	\$ 1	Added running planks

Structure #: K024

Site #:	K024		Primary User Name:	WEST FRASER MILLS LTD.
KM:	3.26		Crossing Name:	Unnamed
Project File ID #:	8411	Br.	01	Forest Service Road: PEDDIE MOUNTAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/20

Inspection Comment: The repairs are not completed from the past inspections. The deck has large holes (0.9x0.3m and 0.4x0.2m). This structure is UNSAFE. Bridge closed sign were installed at both ends.

1	Required	High	\$ 60,000	Replace the structure.
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Inspection 2017/07/30

Inspection Comment: The road to this structure is washed out at 0.6 km and ATV access only. The bridge is load rated at 20 tonnes. The decking is rotten and failing, curbs are near poor condition. The ties are spaced at 63 cm center to center. The girders are non standard design and have lost mass due to heavy rusting and spall, see photo.
 Girder pairs are only braced at their ends.
 Repair is likely not an option, recommend replacement

1	Required	High	\$ 0	Repair not recommended replace structure
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Inspection 2016/09/19

Inspection Comment: This structure has a limited life, repair is not recommended. The decking is poor and the average spacing on the ties is 600 mm. the curbs have extensive rot.
 Consider for replacement or closure
 The road is being brushed at this inspection



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 219 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

This structure has a limited life, repair is not recommended. The decking is poor and the average spacing on the ties is 600 mm. the curbs have extensive rot.
 Consider for replacement or closure
 The road is being brushed at this inspection

1	Required	High	\$ 43,000	No repairs recommended, consider for replacement or close
2	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2015/08/20

Inspection Comment: The girders are not standard design, they are rusty, very pitted and have suffered a substantial loss of mass. see photo. None of the suggested repairs have been done.
 Consider replacement for industrial haul. Posted @ 20 tonnes
 Road grown in use ATV

1	Required	Medium	\$ 300	Brush out bridge
2	Required	Medium	\$ 400	Install bridge ahead signs
3	Required	Medium	\$ 1,000	Add fill to bridge corners
4	Required	Medium	\$ 43,000	Considers replacement

Inspection 2012/09/15

Inspection Comment: NO ADDITIONAL ISSUES

1	Required	High	\$ 1	Add bridge ahead signs.
2	Required	Low	\$ 1	Brush approaches.

Inspection 2011/10/24

Inspection Comment: no signs for posting were given when visiting Clearwater office. Structure data taken and CBR updated, 2011-Ed Folk.
 PB Feb10,2012. This structure requires posting at 20 tonnes.

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	consider extra bracing between the outer and inner girders

Structure #: K136

Site #: K136 **Primary User Name:** WEST FRASER MILLS LTD.

KM: 4.07 **Crossing Name:** Unnamed

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 220 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #:	8411	Br.	01	Forest Service Road:	PEDDIE MOUNTAIN
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REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/20

Inspection Comment: The repairs are not completed from the past inspections. The structure is in poor condition. We suggest replacing the structure with new one. 20T posted.
 Access by ATV.

1	Required	High	\$ 60,000	Install a new structure.
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Inspection 2017/07/30

Inspection Comment: The road is washed out at 0.6 km and only accessible by ATV
 This structure has non standard girder design and no bracing other than at the girder ends. It is currently rated at 20 tonnes. The curbs and risers are rotten, ties have random spacing and appear to be copper treated. Newer decking has a failed section at the high chain end, see photo. One lock block is starting to crumble.
 Repair may not be an option, consider replacement

1	Required	High	\$ 0	Due to load rating and condition likely not worth repair, consider replacement
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Inspection 2016/09/19

Inspection Comment: This structure requires new curbs and risers, the existing are only 8"

2	Required	High	\$ 2,500	Replace curbs and risers, existing are only 8" consider 10"
1	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2015/08/20

Inspection Comment: Bridge super structure does not conform to standard MOF design. Load rated @ 20 tonnes. None of the suggested repairs have been done. road grown in use ATV
 Consider upgrading girders or replace for industrial haul

1	Required	High	\$ 400	Brush out bridge
2	Required	Medium	\$ 350	Install bridge ahead signs

Inspection 2012/09/15

Inspection Comment: GIRDERS HAVE NO INDICATION THAT PLAN BRACING WAS EVER REQUIRED (IE WELD MARKS OR BOLT HOLES)
 NO ID PLATE FOUND



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 221 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 1	Add bridge ahead signs.
2	Required	Low	\$ 1	Brush approaches.

Inspection 2011/10/24

Inspection Comment: not much change from last year except increased spalling of lower lock blocks on high chain side (left abutment). GPS coords same as last year when corrected. No Load limit sign. PB Feb 16,2012 Post to 20 tonnes in 2012 when accessible.

1	Required	High	\$ 1	add bracing to increase load capacity
2	Required	High	\$ 1	add 2 bridge ahead signs
3	Required	High	\$ 1	brush out approaches, road and r/w. ensure brushing debris is removed otherwise creates a hazard to inspectors accessing the underside of the structure; safety first.

Inspection 2010/07/19

Inspection Comment: Overall Fair condition but requires some attention to maintain. Unsure of makeup of superstructure, not really an I-beam as indicated, almost appears to be a type of railcar assembly. Depending on available as-built information a structural load rating should be performed. No information was readily available on the structure on site, if no as-built data in MOF files then as-built information will need to be gathered. GPS coords: Long 119 2.4' 38.3"; Lat 52 03' 53.9" +/-8m. PB Mar09/11. Post to 20 tonnes due to lack of plan bracing. Unsuitable for log haul until plan bracing installed. GPS coords updated.

1	Required	Low	\$ 5,000	Replace ballast walls and place more rip rap under structure.
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Structure #: K974

Site #:	K974	Primary User Name:	WEST FRASER MILLS LTD.
KM:	5.17	Crossing Name:	Unnamed
Project File ID #:	8411	Br.	01
Forest Service Road:	PEDDIE MOUNTAIN		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/07/19

Inspection Comment: Overall good condition.

1	Required	Medium	\$ 5,000	Brush out around culvert.
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Structure #: K1012

Site #:	K1012	Primary User Name:	WEST FRASER MILLS LTD.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 222 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	8.85			Crossing Name:	Unnamed
Project File ID #:	8411	Br.	01	Forest Service Road:	PEDDIE MOUNTAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/20

Inspection Comment: The brushing of the CI and CO not completed.

1	Required	Low	\$ 400	Brush culvert inlet and outlet.
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Inspection 2015/08/20

Inspection Comment: None of the suggested repairs have been done.

1	Required	High	\$ 400	Brush out entire culvert and channel
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Inspection 2012/09/15

Inspection Comment: NO ISSUES

1	Required	Low	\$ 1	Brush approaches
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Structure #: K1013

Site #:	K1013			Primary User Name:	WEST FRASER MILLS LTD.
KM:	9.41			Crossing Name:	Unnamed
Project File ID #:	8411	Br.	01	Forest Service Road:	PEDDIE MOUNTAIN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/20

Inspection Comment: The repairs are not completed from the last inspection. Consider installing no-post barrier. Monitor the sink hole at the right bank.

1	Required	High	\$ 200	RB-fill sink hole
2	Required	High	\$ 6,000	Install no-post barriers.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 223 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Low	\$ 300	Brush approaches.
4	Required	Medium	\$ 500	Repair ballast wall.

Inspection 2015/03/20

Inspection Comment: None of the suggested repairs have been done

3	Required	High	\$ 300	Brush out bridge
1	Required	Medium	\$ 1,000	The #2 upstream top section is cracked through, see photo. Patch crack
2	Required	Medium	\$ 400	Install bridge ahead signs

Inspection 2012/09/15

Inspection Comment: NO ISSUES, GOOD INSTALL

1	Required	High	\$ 1	Add bridge ahead signs.
2	Required	Low	\$ 1	Brush approaches.

Inspection 2000/07/20

Inspection Comment: Overall: Bridge could have been shifted toward the high chain.. Environmental: Site does appear to have been seeded..

1	Required	Medium	\$ 0	Abutment: Monitor rip rap.
2	Required	Medium	\$ 0	Approach: Grade or widen high chain fill.

Structure #: K748

Site #:	K748		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	8.85		Crossing Name:	Baker Cr
Project File ID #:	8412	Br.	01	Forest Service Road: JONES CR\GRANITE MTN

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2000/07/26

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 224 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Culvert: Monitor over steepened rip rap.
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Structure #: K857

Site #:	K857	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	9.48	Crossing Name:	Baker Cr
Project File ID #:	8412	Br.	01
		Forest Service Road:	JONES CR\GRANITE MTN

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 1998/11/12				
Inspection Comment:				
1	Required	Medium	\$ 0	Culvert: Monitor outlet fill riprap.

Inspection 1996/10/31

Inspection Comment:				
1	Required	Medium	\$ 0	Culvert: Monitor outlet fill riprap.

Structure #: K1596

Site #:	K1596	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.40	Crossing Name:	Unknown
Project File ID #:	8412	Br.	11
		Forest Service Road:	CL8412.11

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/23				
Inspection Comment: From the picture it looks like the situation at the RB with settling lock blocks is unchanged. We measured the gap at the corner and it was 6cm. The repairs are not completed from the last inspection. Consider installing no-post barriers.				
1	Required	High	\$ 2,000	Replace curb rail system.
2	Required	High	\$ 6,000	Install no-post barriers.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 225 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	High	\$ 600	Install bridge ahead signs.
4	Required	High	\$ 300	Brush approaches.

Inspection 2017/09/09

Inspection Comment: The right bank abutment appears stable and unchanged, 1.7 m of the sill planks are unsupported, see photo. This road sees little or no use. The upstream curbs have significant rot, the downstream side is slightly better condition.

2	Required	High	\$ 2,500	Install upstream curbs requires 2-18' and 5-2' and 5-3' riser blocks Curbs and risers will require repair or replacement soon. Material for full replacement are: 4-18' 10x10" curb timbers 600 BF 10-2' and 10-3' curb riser blocks 417 BF
1	Required	Low	\$ 250	Install bridge ahead signs
3	Required	Medium	\$ 300	Brush out upstream channel

Inspection 2016/09/28

Inspection Comment: The bridge is 10.01 m. long and is a Pioneer Precast structure. It is not well centered over the creek. It could be a meter to the low chain. The lock block abutment on the right bank is settled which has caused the 4" sill plank to have voids between it and the blocks, see photo

1	Required	Medium	\$ 600	Install bridge ahead signs
2	Required	Medium	\$ 400	Brush out bridge
3	Required	Medium	\$ 3,500	Curbs and risers will require repair or replacement soon. Material for full replacement are: 4-18' 10x10" curb timbers 600 BF 10-2' and 10-3' curb riser blocks 417 BF

Inspection 2015/09/12

Inspection Comment: No measurable change in the #2 abutment, 1.7 m. is not supported by lock blocks.
None of the suggested repairs have been done
The out to out measurement for this Pioneer Precast bridge is 10.0 m.

3	Required	High	\$ 400	Brush out bridge
1	Required	Medium	\$ 600	Install bridge ahead signs

Inspection 2014/08/05

Inspection Comment: Concrete slabs are 10m, not 10.6m. No repairs have been done on this structure as per previous inspections. Last years photo of right abutment looks similar to this years. No movement. 20 tonne load rating posted. Structure is in poor condition due to abutments.
PB Jan14,2015 Annual inspection. Maintain 20 tonnes posting.

1	Required	Low	\$ 2,000	Consider widening road and installing 4 fenders when abutments are repaired.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 226 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2012/09/13

Inspection Comment: COORDINATES - N51 34 20.9, 119 50 1.1
 RECOMMEND DOWNRATING DUE TO CAMP SIDE ABUTMENT
 PB Jan 23.2013 Load rating set at 20 tonnes due to failing right abutment.

1	Required	High	\$ 10,000	REMOVE STRUCTURE AND REPAIR ABUTMENT, INSTALL STANDARD CONCRETE SILL OR PAD AND POST WITH CAP BEAM
2	Required	Low	\$ 1	Install bridge ahead signs
3	Required	Low	\$ 1	Brush approaches.

Structure #: K1597

Site #:	K1597			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.70			Crossing Name:	Unknown
Project File ID #:	8412	Br.	11	Forest Service Road:	CL8412.11

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/23

Inspection Comment: The tree fallen on the bridge causing damage to the right - downstream corner of the structure. The structure Closed sign was installed at low chain side. The deck, ties and curb rail system are not in good shape. Consider replacing all the components not just repair. Consider installing no-post barriers. The repairs are not completed from the last inspection.

1	Required	High	\$ 1,000	RB side replace: 7 Ties 8"x8"x170", 16 planks 4"x10"x117", 1 Curb rail 10"x10"x117", 2 Risers 10"x10"x30
2	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 600	Bridge ahead signs.
4	Required	High	\$ 500	Install appropriate connection bolts between girder and the sill log and the ballast wall.
5	Required	Medium	\$ 300	Brushing at the approaches.

Inspection 2016/09/28

Inspection Comment: Bridge is located on a grown in road and it is wet and shaded a good portion of the time. Component may deteriorate if used for industrial haul.

1	Required	Medium	\$ 500	Install bridge ahead signs
2	Required	Medium	\$ 300	Pin bridge to sills



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 227 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Medium	\$ 300	Brush out bridge
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Inspection 2014/03/05

Inspection Comment: As built data collected. There is a 20"long 8x16" piece of treated sill timberwedged under a girder on the downstream right side. Unsure why it is there as it is loose an non-functional. No repairs have been completed to structure as per previous inspections. Structure is in good condition.
 PB Jan14,2015 See repairs. Girders required to be properly fixed to sills.

2	Required	High	\$ 1,000	Pin girders to timber sills.
1	Required	Low	\$ 2,000	Consider installing 4 fenders prior to active use.

Inspection 2012/09/13

Inspection Comment: COORDINATES - N51 34 15.7, W119 51 04.2
 NO ISSUES
 PB Jan23,2013 Shop drawings pending- fabricated 2001. Load rating set to unknown.

2	Required	High	\$ 1	add bridge ahead signs
1	Required	Low	\$ 1	brush out road

Structure #: K1598

Site #:	K1598		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	2.00		Crossing Name:	Unknown
Project File ID #:	8412	Br.	11	Forest Service Road: CL8412.11

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/09

Inspection Comment: The bridge deck appears to be always damp and shaded, it will only take limited traffic and for industrial haul will require redecking

1	Required	High	\$ 500	Brush out bridge and channel
3	Required	Low	\$ 250	Install bridge ahead signs
2	Required	Medium	\$ 250	Lag girders to sill

Inspection 2015/09/12

Inspection Comment: None vof the suggested repairs have been done.

2	Required	High	\$ 300	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 228 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Brush out bridge and road
1	Required	Medium	\$ 300	Pin girders to sill
3	Required	Medium	\$ 650	Install bridge ahead signs

Inspection 2014/08/05

Inspection Comment: As built data collected. No repairs have been completed to structure as per previous inspections. Structure is in fair condition due to unpinned girders.
 PB Jan14,2015 See repairs. Girders are required to be pinned or lagged to timber sills. MJF. Photos uploaded Jan 15,2015

1	Required	High	\$ 1,000	Pin girders to timber sills.
2	Required	Low	\$ 2,000	Consider installing 4 fenders prior to use.

Inspection 2012/09/13

Inspection Comment: COORDINATES - N51 34 16.0, W119 51 16.5
 NO ISSUES
 NO ID PLATE
 PB Jan23,2013 Shop drawings pending- fabricated 2001. Load rating set to unknown.

2	Required	High	\$ 1	add bridge ahead signs
1	Required	Low	\$ 1	brushing

Structure #: K1563

Site #:	K1563		Primary User Name:	MINISTRY OF FORESTS, LANDS AND NATURAL
KM:	1.30		Crossing Name:	No Name S3
Project File ID #:	8412	Br.	25	Forest Service Road: CL8412.25

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/07/22				
Inspection Comment: The erosion at the corners of the structure is progressing since the last inspection. Deck is covered with dirt. Cannot assess if the shear connectors are properly welded. Consider to install a new foundation for the current structure or deactivate the bridge. 10T posted at low chain side.				
1	Required	High	\$ 25,000	Consider to reinstall the current structure on a new foundation.

Inspection 2017/09/09

Inspection Comment: Past inspection indicates that the shear cons are not welded. The deck is covered in mud this inspection. The road is water barred and the bridge is rated at 10 tonnes.
 Should the bridge be activated structure should be cleared of gravel and abutments assessed.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 229 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Past inspection indicates that the shear cons are not welded. The deck is covered in mud this inspection. The road is water barred and the bridge is rated at 10 tonnes. Should the bridge be activated structure should be cleared of gravel and abutments assessed.

1	Required	Low	\$ 0	No repair recommended as road and bridge appear to be deactivated
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Inspection 2015/09/16

Inspection Comment: The shear connections are not welded, gravel was removed on 3 shear plates and there was no welds

1	Required	High	\$ 2,000	Clear gravel and weld shear connections
3	Required	High	\$ 2,000	Finnish approaches for industrial haul
2	Required	Medium	\$ 650	Install bridge ahead signs

Inspection 2012/09/13

Inspection Comment: POSTED 10T LOAD RATING SIGN AS PER PLANNED COMMENTS
 Jan 15, 2013 No drawings on file. Tenure to be determined. Set load rating to 10 tonnes, there are issues with the abutment sills and likely with the shear connectors (may not be connected).

1	Required	High	\$ 1	Add 2 bridge ahead signs.
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Inspection 2011/11/25

Inspection Comment: girders have gravel cover but no geotextile or curb stops toe prevent gravel from entering the stream. girders appear very uneven so it is doubtful the shear connectors were welded or at the very least not welded correctly. gravel should be cleaned from deck and shear connections checked then complete gravel cover correctly by placing curb stops and non-woven geotextile over deck before placing gravel cover.
 PB Mar7.2012 No drawings on file. Tenure to be determined. Set load rating to 10 tonnes, there are issues with the abutment sills and likely with the shear connectors (may not be connected).

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	remove gravel cover to check if shear connections are indeed welded and if so, done properly.

Structure #: K1455A

Site #:	K1455		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	12.00		Crossing Name:	Slake Creek
Project File ID #:	8414	Br.	01	Forest Service Road: MCCORVIE LAKES

REPAIRS

Repair #	Status	Priority	Estimate	Description
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 230 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2017/09/10

Inspection Comment: The culvert at this site is 900 mm. and is likely under sized. It has been tagged K1455 and coordinated match those on the map.
 The culvert is perched 2 m. beyond the fill at the outlet and is 1.7 m above the creek bottom

1	Required	High	\$ 200	Brush out inlet and channel
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Inspection 2011/03/12

Inspection Comment:

1	Required	Medium	\$ 0	Brush out around structure
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Structure #: K695

Site #:	K695	Primary User Name:	INTERFOR CORPORATION
KM:	0.87	Crossing Name:	Foam Cr
Project File ID #:	8415	Br.	01
		Forest Service Road:	FOAM-FOAM CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/20

Inspection Comment: Brushing not completed. Structure in good condition.

1	Required	Medium	\$ 300	Brush approaches.
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Inspection 2012/09/14

Inspection Comment: NO ISSUES

1	Required	Low	\$ 1	Brush Approaches.
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Inspection 2004/09/03

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Monitor rip rap at the outlet.
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Inspection 2002/03/15

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 231 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Hazard: Monitor fill erosion.
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Inspection 1998/09/21

Inspection Comment: Overall: Eroded fill at culvert has narrowed the road to approximately 4.6 m..

1	Required	Medium	\$ 0	Culvert: Add fill to cover fill and rip rap to protect from further erosion.
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Inspection 1996/10/28

Inspection Comment: Overall: For industrial haul repairs to fill should be done.. Region: Gmc.

1	Required	Medium	\$ 0	Culvert: Rip rap and fill in erosion to head walls.
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Structure #: K645

Site #:	K645		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	15.00		Crossing Name:	Unnamed
Project File ID #:	8417	Br.	01	Forest Service Road: MILEDGE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2006/08/30

Inspection Comment: Overall: Rail car frame used for superstructure, the deck has failed sections and is not connected to the superstructure adequately.. Region: Dec 11/06 GMc RUP holder should supply certification and as built or provide a professional load rating. Otherwise post to 5 Tonnes..

1	Suggested	Medium	\$ 0	Deck: Requires new decking.
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Inspection 2004/09/01

Inspection Comment: Overall: There are no secured deck to girder connections.. Region: GMc Mar 15/05 RUP holder must provide load rating for structure to MOF.

1	Suggested	Medium	\$ 400	Deck: Requires new deck plank. One failed section. (10.5' x 10x4")
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Structure #: K002

Site #:	K002		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	4.90		Crossing Name:	Clemina Cr
Project File ID #:	8420	Br.	01	Forest Service Road: CL8420.01



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 232 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 1997/08/06

Inspection Comment: Overall: This bridge is very dirty from high chain runoff, clean bridge to extend component life span.. District: gmc.
Region: gmc.

3	Required	Medium	\$ 0	Hazard: Remove failed snowmobile bridge just upstream from this bridge.
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Inspection 2016/09/14

1	Complete	Medium	\$ 400	Surface water from the high chain/#2 is running onto the bridge. The water is also loading up the fill and the road is punching out. Redirect this water Completed by BCTS contractor. (AJS Jan 12 2018)
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Inspection 2007/09/27

Inspection Comment:

3	Complete	Medium	\$ 0	Approach: Redirect high chain surface water and brush out. Completed by BCTS contractor. (AJS Jan 12 2018)
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Inspection 2004/08/31

Inspection Comment:

2	Complete	Medium	\$ 0	Approach: Brush out. Completed by BCTS roads monitor contractor. (AJS Jan 12 2018)
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Inspection 2001/07/31

Inspection Comment:

1	Complete	Medium	\$ 0	Approach: Brush out bridge approaches. Completed by BCTS roads monitor contractor. (AJS Jan 12 2018)
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Inspection 1997/08/06

Inspection Comment: Overall: This bridge is very dirty from high chain runoff, clean bridge to extend component life span.. District: gmc.
Region: gmc.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 233 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Complete	Medium	\$ 0	Approach: Grade approaches to remove surface runoff from the bridge. Completed by BCTS contractor. (AJS Jan 12 2018)
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Inspection 2010/08/17

Inspection Comment: Overall good repair except for guardrails. Cathodic protection should have been moved from downstream site to this one.

3	Complete	Low	\$ 5,000	Clean dirt off pads and flange of girders and cross ties. Complete by M and B Construction Ltd. (DHP 16/03/05)
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Inspection 2007/09/27

Inspection Comment:

2	Complete	Medium	\$ 0	SuperStructure: Clean footings and flanges. See Repair number 3 for completion information
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Inspection 2000/07/20

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Clean deck to prolong life. See item number 3 for repair status.
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Inspection 2013/09/17

Inspection Comment: Still has outstanding repair items

PB Apr4,2014 See repair items. Monitor left bank for scour, may require additional armouring.

4	Complete	Low	\$ 1,000	add bridge ahead signs. D.H.P. signs installed / completed by DRB Forestry.
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Inspection 2010/08/17

Inspection Comment: Overall good repair except for guardrails. Cathodic protection should have been moved from downstream site to this one.

1	Complete	High	\$ 5,000	replace all guardrails and some risers.
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Inspection 2007/09/27

Inspection Comment:

1	Complete	Medium	\$ 0
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 234 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Deck: Requires new curbs and risers as well as decking. One damaged riser. Some of the curbs have high rot, one section is very rotten at the connection. Clean deck and install new planks Requires 1240 square feet of 4" plank.

Inspection 2004/08/31

Inspection Comment:

1	Complete	Medium	\$ 6,000	Deck: One damaged riser. Some of the curbs have high rot, one section is very rotten at the connection. The rest are in fair condition. It may be better to replace all than do a patch job. Clean deck and install new planks Requires 1240 square feet of 4" plank.
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Inspection 1997/08/06

Inspection Comment: Overall: This bridge is very dirty from high chain runoff, clean bridge to extend component life span.. District: gmc. Region: gmc.

1	Complete	Medium	\$ 0	Deck: Replace broken upstream curb section. Requires 1 (10x10x24") riser and 1 (10x10"x9") fir timber curb rail.
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Structure #: K824

Site #:	K824		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	9.80		Crossing Name:	Clemina Cr
Project File ID #:	8420	Br.	01	Forest Service Road: CL8420.01

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/14

Inspection Comment: The deck panel repair area is located at the first upstream riser at the #1 end of the bridge. Likely caused by impact to curb, see photo. The area involved is 24"x12"

1	Required	Medium	\$ 500	Install bridge ahead signs
4	Required	Medium	\$ 500	Fill panel gaps at both ends of the bridge

Inspection 2013/09/17

Inspection Comment: PB Apr4,2014. Requires concrete deck panel repair (underside of panel at riser).

3	Required	Low	\$ 1,000	add bridge ahead signs
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Inspection 2010/08/17

Inspection Comment: Non-composite structure, pipe and pad - not precast PB Mar11/11. Requires curb,riser and bracket block replacement. Also requires concrete deck panel repair.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 235 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 5,000	Put larger (heavier) and more angular riprap under structure and key it in.
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Inspection 2001/07/31

Inspection Comment: Overall: If this design is composite style then there is no groute between the panels.. Region: gmc The is a non composite bridge..

1	Required	Medium	\$ 0	Deck: Replace failed riser block and bolt.
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Inspection 2016/09/14

Inspection Comment: The deck panel repair area is located at the first upstream riser at the #1 end of the bridge. Likely caused by impact to curb, see photo. The area involved is 24"x12"

2	Complete	High	\$ 500	The deck panel repair area is located at the first upstream riser at the #1 end of the bridge. Likely caused by impact to curb, see photo. The area involved is 24"x12" Exposed rebar, see photo Completed by BCTS contractor. (AJS Jan 12 2018)
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Inspection 2013/09/17

Inspection Comment: PB Apr4,2014. Requires concrete deck panel repair (underside of panel at riser).

4	Complete	Medium	\$ 500	PB Apr4,2014. Requires concrete deck panel repair (underside of panel at riser). Completed by BCTS contractor. (AJS Jan 12 2018)
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Inspection 2016/09/14

Inspection Comment: The deck panel repair area is located at the first upstream riser at the #1 end of the bridge. Likely caused by impact to curb, see photo. The area involved is 24"x12"

3	Complete	Low	\$ 200	Brush out bridge Completed by BCTS roads monitor contractor. (AJS Jan 12 2018)
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Inspection 1995/09/26

Inspection Comment: Overall: Is this structure a composite design? If so there is no grout between panels..

2	Complete	Medium	\$ 0	Approach: Excavate and repair culvert at #1 approach. Completed by BCTS contractor. (AJS Jan 12 2018)
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Inspection 2010/08/17

Inspection Comment: Non-composite structure, pipe and pad - not precast
PB Mar11/11. Requires curb,riser and bracket block replacement. Also requires concrete deck panel repair.

2	Complete	High	\$ 4,000	Requires bracket block, riser and curb repair. Deck panel has spalled under one riser, requires repair.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 236 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K1584

Site #:	K1584			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.40			Crossing Name:	South Fork Clemina Creek
Project File ID #:	8420	Br.	09	Forest Service Road:	CL8420.09

REPAIRS

Repair #	Status	Priority	Estimate	Description
5	Required	High	\$ 5,000	PB Apr4,2014. Replace all timber components.
6	Required	High	\$ 20,000	PB Apr4,2014. Failing abutments should be professionally inspected for rotation and reinstalled with taller pipe towers.
4	Required	Medium	\$ 4,000	PB Apr4,2014 Approaches are narrow and need widening.

Inspection 2018/06/19

Inspection Comment: The repairs are not completed from the past inspections. 5T posted.

1	Required	High	\$ 5,000	Replace all timber components.
3	Required	High	\$ 300	Brush approaches.
2	Required	Medium	\$ 4,000	Widen the approaches.

Inspection 2015/08/17

Inspection Comment: Asbuilt and girder measurements done at this inspection. Only the upstream pipe of the #1 abutment appears to be radically out of vertical, see photo. The bridge was posted @ 5 tonnes see photo. The road to the bridge is completely overgrown

1	Required	High	\$ 5,000	Curbs are rotten and need to be replaced. Materials required:110' of 10x10" curb timber 916.6 Bf. 16-2' and 16-3' riser blocks, 666.6 Bf
2	Required	Low	\$ 2,000	Brush out road to bridge

Inspection 2014/08/01

Inspection Comment: As built data collected for girder load rating. Camp upstream pile is not broken yet. compare past photos to this years to see if the pile is moving more each season. Delineators all repaired. 5 ton sign re-posted. bridge signs not installed as per previous inspection. Road is not active. extremely rough. Monitored approach fills - wood downstream is the only one showing dirt movement. Bridge is in poor condition due to rough road, and failing abutment. Road is quad access only due to roughness and brush. PB Jan14,2015 Footings are rotating. Annual inspection. Structure requires reposting to 5 tonnes. See repairs.

1	Required	High	\$ 200	Post road deactivation sign at start of crossditches. The road is fine up to that point then trucks slam into the first hole at speed.
2	Required	Low	\$ 2,000	Consider installing fenders once road is widened.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 237 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2012/10/15

Inspection Comment: approaches are eroded and narrowed approach.
 PB Jan 15,2013 Pick up all structure and girder details for load rating in 2013.

1	Required	Medium	\$ 1	add 2 bridge ahead signs
2	Required	Medium	\$ 1	add delineator; 1 left.
3	Required	Medium	\$ 1	replace all guardrails

Structure #: K001

Site #:	K001		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.30		Crossing Name:	Albreda R
Project File ID #:	8421	Br.	01	Forest Service Road: E ALBRED A RIVER-BR 1

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/14

Inspection Comment: GPS coordinates are 11 U 0357719 5828701

1	Complete	Medium	\$ 400	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 250	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2007/09/27

Inspection Comment:

2	Complete	Medium	\$ 0	Approach: Brush out. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2003/09/22

Inspection Comment: Overall: Gmc Feb-03 Next inspection paint area of damaged concrete so that further spalling can be monitored.

2	Complete	Medium	\$ 0	Approach: Brush out at the bridge. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2007/09/27

Inspection Comment:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 238 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Complete	Medium	\$ 0	Deck: Requires new curbs and risers prior to next inspection. The curbs on this structure are not standard design. They have a 6" timber placed, like a shim, between the bottom riser block and the deck panel edge. Risers and rails replaced in Sept of 2009 as per Cengea structure maintenance tab. (AJS Dec 3 2017)
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Inspection 2004/08/31

Inspection Comment: Overall: Painted some of the spalled areas, unable to reach 2 (see photos) Does not appear to be any worse..
 Region: test data.

1	Complete	Medium	\$ 500	Deck: One rotten tie at the high chain downstream side, the others are in fair condition with fungal growth. Requires 1- 14' 10x10 timber Risers and rails replaced in Sept of 2009 as per Cengea structure maintenance tab. (AJS Dec 3 2009)
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Inspection 2003/09/22

Inspection Comment: Overall: Gmc Feb-03 Next inspection paint area of damaged concrete so that further spalling can be monitored.

1	Complete	Medium	\$ 200	Deck: There is one rotten section. The downstream curb #2 section from the high chain is very rotten and should be replaced. The rest are in poor condition and will require replacement soon. The curbs have spacer blocks between the bottom riser and the deck panel. The rotten section is 14'x10"x10" Risers and rails replaced in Sept of 2009 as per Cengea structure maintenance tab. (AJS Dec 3 2009)
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Structure #: K1473

Site #:	K1473		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	2.90		Crossing Name:	Unnamed
Project File ID #:	8421	Br.	04	Forest Service Road: CL8421.04

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/20				
Inspection Comment: Structure in good condition. The curb rails were replaced. Please remove the Monitoring requirement. Consider installing no-post barriers.				
2	Required	High	\$ 6,000	Install no-post barriers. RHM(BCTS) - reviewed in field. No room for no post barriers. Speeds are generally slow through this section.
1	Required	Medium	\$ 300	Brushing approaches



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 239 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/01

Inspection Comment: Structures K1472 and 73 were mixed up in the GPS. This structure is the first one encountered on the road at 2.9km (user 5km) and is indeed 8.6 m long. Structure is in good condition. Update gps to 52 37 02.1 x 119 08 41.4. Structure is in good condition.
 PB Jan 15,2015 Record superstructure identifiers (fabricators job #). Western Concrete Structure.

2	Required	Low	\$ 2,000	Consider widening road and installing four fenders.
1	Complete	Low	\$ 250	brush out around structure. Completed by BCTS roads monitor contractor. (AJS Jan 12 2018)

Inspection 2015/08/17

Inspection Comment: This is the second bridge on the road it is not located on the map correctly it is the first of the two bridges whose location is in question. K1472 is 0.8 km down the road. The GPS coords are N 52 37.034 W 119 08.689 There were no identifiers on the structure other than it was made by Western Concrete. The bridge is 8.6 m. long Curbs were recently replaced on this structure, but for some reason two 11' 6" curb sections were not replaced and they have extensive rot.
 All suggested repairs have been done with the exception of the nopost fenders and road widening

6	Complete	Medium	\$ 2,000	PB Feb22.2016 replace remaining original curb sections. Note: Work was likely completed after Bridge inspection was completed and submitted in the fall to Branch Engineering and then resulted in PB instructions in 2016. Complete by M and B Construction Ltd. Repair actual cost includes mob cost of \$250.00. Also cost for supplying all timbers with pressure treated ones is captured here(DHP 16/03/05).
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Inspection 2014/08/01

Inspection Comment: Structures K1472 and 73 were mixed up in the GPS. This structure is the first one encountered on the road at 2.9km (user 5km) and is indeed 8.6 m long. Structure is in good condition. Update gps to 52 37 02.1 x 119 08 41.4. Structure is in good condition.
 PB Jan 15,2015 Record superstructure identifiers (fabricators job #). Western Concrete Structure.

3	Complete	Low	\$ 1	Replace guardrails prior to active use. 8 10x10 risers and 8 blocks. 30' of guardrail. hardware. See 2015 repairs (DHP 16/03/05)
4	Complete	Low	\$ 200	Consider bridge ahead signs. Completed by M and B Construction (DHP 16/03/05).

Structure #: K1472

Site #:	K1472			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	3.80			Crossing Name:	Unnamed
Project File ID #:	8421	Br.	04	Forest Service Road:	CL8421.04

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/20

Inspection Comment: Structure in good condition. Consider instaling no-post barriers.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 240 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 6,000	Install no-post barriers. RHM(BCTS) - reviewed in field. No room for no post barriers. Speeds are generally slow through this section.
2	Required	Medium	\$ 300	Brush approaches

Inspection 2014/08/01

Inspection Comment: Structures K1472 and 73 were mixed up in the GPS. This structure is the first second encountered on the road at 3.8km (user 5.8) and is indeed 7.6 m long. Bridge ahead signs and new guardrails have not been installed as per previous inspection. Structure is in good condition.
Update gps to 52 37 20.3 x 119 09 12.9.

2	Required	Low	\$ 2,000	consider widening road and installing 4 fenders.
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Inspection 2015/08/17

Inspection Comment: This is the third bridge on the road and is .8 km past k1473, it appears to located on the map correctly. the bridge is 7.6 m long. Of the suggested repairs all were completed with the exception of road widening and fender install, the bridge was not brushed out.

1	Complete	Medium	\$ 200	Brush out bridge Completed by BCTS roads monitor contractor. (AJS Jan 12 2018)
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Inspection 2014/08/01

Inspection Comment: Structures K1472 and 73 were mixed up in the GPS. This structure is the first second encountered on the road at 3.8km (user 5.8) and is indeed 7.6 m long. Bridge ahead signs and new guardrails have not been installed as per previous inspection. Structure is in good condition.
Update gps to 52 37 20.3 x 119 09 12.9.

1	Complete	Low	\$ 200	brush out around structure. Completed by BCTS roads monitor contractor. (AJS Jan 12 2018)
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Inspection 2011/10/25

Inspection Comment: user km=5km

2	Complete	High	\$ 1	replace guardrails and risers prior to industrial use
3	Complete	High	\$ 3,500	Replace timber blocks, riser blocks, and rails (DHP 15/05). Complete by M and B Construction Ltd. Repair actual cost includes mob cost of \$250.00. Also cost for supplying all timbers with pressure treated ones is captured here(DHP 16/03/05).
4	Complete	High	\$ 300	Install bridge ahead signs (DHP 15/05). Completed by M and B Construction (DHP 16/03/05).

Inspection 2011/10/25

Inspection Comment: user km=5km

1	Complete	High	\$ 1	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 241 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

add 2 bridge ahead signs. Completed by M and B construction DHP 16/03/05.

Structure #: K794

Site #:	K794			Primary User Name:	INTERFOR CORPORATION
KM:	7.85			Crossing Name:	Rennie Cr
Project File ID #:	8422	Br.	01	Forest Service Road:	EAST BLACKPOOL

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/26

Inspection Comment: The bridges curbs and risers are in poor condition and have a very limited life. Replace all recommended

3	Required	Medium	\$ 2,500	Replace all timber components.
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Inspection 2012/09/16

Inspection Comment: NO ISSUES. PREVIOUS INSPECTION IS CORRECT, STRUCTURE IS AN 11.5m O/A SLAB BRIDGE ON TYPICAL CAPBEAM AND RISERS
 PB Jan25,2013 Look for any structure identifying marks, no drawings on file.

1	Required	High	\$ 1	Add 2 bridge ahead signs.
2	Required	Low	\$ 1	Brush approaches.

Structure #: K792

Site #:	K792			Primary User Name:	INTERFOR CORPORATION
KM:	10.22			Crossing Name:	McClennon Cr
Project File ID #:	8422	Br.	01	Forest Service Road:	EAST BLACKPOOL

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/23

Inspection Comment: One lock block below the girder at RB-US side has a crack. It is preaty solid and the piece was intact. This should be repaired.

1	Required	High	\$ 4,500	Install no-post barriers at other 3 corners.
2	Required	High	\$ 400	RB-US corner - repair cracked lock block
3	Required	High	\$ 200	Install connection bolt at RB-US side



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 242 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/06

Inspection Comment: Brushing has been completed since previous inspections. Riprap and bridge signs have not been installed since the previous inspection. Scour is not critical. Lockblocks on camp side do not appear to have moved since the previous inspection photos. Structure is in fair condition.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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Inspection 2013/03/20

Inspection Comment: At the time of this inspection, this bridge was in fair to good condition. The substructure components (lock blocks) although structurally sound were founded on poorly compacted materials, and because a suitable cross cap was not installed, the weight of the bridge is not shared evenly by all blocks. This has resulted in some settlement at both ends. At this time it appears that the bearings have stabilized and do not presently pose a concern. Both ballast and wing walls were found to be in very poor condition due to advanced rot throughout. They will require replacement if sustained heavy haul is expected. The superstructure components including, steel stringers, crossties deck and wheelguards were in fair to good condition at the time of inspection.

1	Required	High	\$ 4,200	Replace both ballast walls with treated materials.
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Inspection 2012/09/16

Inspection Comment: CONTINUE TO MONITOR SETTLING. 1 CRACKED LOCK BLOCK ON RIGHT U/S SIDE. STEEL SHIM INSERTED BELOW LEFT U/S PLATE DUE TO SETTLED LOCK BLOCK TO FILL GAP. COORDINATES - N51 33 35.0, W120 05 25.2
 PB Jan 25.2013 Monitor abutments and differential settlement of lock block foundation. Monitor cracking on right abutment lock block.

1	Required	High	\$ 1	Add 2 bridge ahead signs
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Inspection 2010/08/17

Inspection Comment: Lock block should be laid on side and bearing pad should not span over 2 lock blocks
 PB Mar 10/11 Monitor abutments and differential settlement of lock block foundation.

1	Required	Medium	\$ 5,000	Place larger riprap against both abutments.
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Inspection 2012/09/16

Inspection Comment: CONTINUE TO MONITOR SETTLING. 1 CRACKED LOCK BLOCK ON RIGHT U/S SIDE. STEEL SHIM INSERTED BELOW LEFT U/S PLATE DUE TO SETTLED LOCK BLOCK TO FILL GAP. COORDINATES - N51 33 35.0, W120 05 25.2
 PB Jan 25.2013 Monitor abutments and differential settlement of lock block foundation. Monitor cracking on right abutment lock block.

2	Complete	Low	\$ 1	Brush Approaches.
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Inspection 2010/08/17

Inspection Comment: Lock block should be laid on side and bearing pad should not span over 2 lock blocks
 PB Mar 10/11 Monitor abutments and differential settlement of lock block foundation.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 243 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Lock block should be laid on side and bearing pad should not span over 2 lock blocks
 PB Mar 10/11 Monitor abutments and differential settlement of lock block foundation.

2	Complete	High	\$ 5,000	Brush out, low to no visibility on sharp corner.
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Inspection 2007/09/19

Inspection Comment:

1	Complete	Medium	\$ 0	Approach: Brush out around the bridge.
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Structure #: K793

Site #:	K793		Primary User Name:	INTERFOR CORPORATION
KM:	10.23		Crossing Name:	McClennon Cr
Project File ID #:	8422	Br.	01	Forest Service Road: EAST BLACKPOOL

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/23

Inspection Comment: The monitoring measurements in monitoring section. It appears that not to much changed since the last inspection. Please note that the paint on the lock blocks is starting to fade. The repairs are not completed from the past inspections with exception of the new bridge ahead sign installation. The girder is not connected to the lock blocks. This make this structure UNSAFE.

1	Required	High	\$ 4,500	Install no-post barriers at other 3 corners.
2	Required	Medium	\$ 300	Brush approaches.

Inspection 2016/09/25

Inspection Comment: Lock block reference points 1-6 were measured and values were the same except for #3 the old number was 110 mm and this inspection it is 128 mm
 The two right bank bearing blocks are rotating back toward the fill, likely due to the bearing being on the back side of the block. The downstream gap is 58 mm, see photo

1	Required	High	\$ 4,500	Curbs and risers are rotten, materials required: 4-20' curb timbers and 10-2' and 10-3' riser blocks 1083 BF
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Inspection 2015/09/17

1	Required	Medium	\$ 350	Clean bearings and pin to blocks
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Inspection 2014/08/06

Inspection Comment: Measurements as follows - 1 420mm, 2 810mm, 3 1280mm, 4 740mm, 5 620mm, 6 980mm, 7 340mm, 8 470mm, 9 520mm, 10 350mm. Two of these lockblocks have moved greater than 5mm so Professional Inspection is required.
 A single deck plank was replaced and brushing has been completed as per previous inspections. None of the



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 244 of 318
 Date Printed: 2019/04/02
 User Id: IDIRIGMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

other repairs have been completed. The bearing pad monitor from 1995 was confusing as they did not appear to move as the entire wall is moving. But the movement has broken one bolt from the abutment on the camp side and the woods side does not appear to have bolts pinning the structure to the lockblocks. Structure is in poor condition due to abutment and not being pinned.

2	Required	High	\$ 1,000	Girders are not all pinned to lock blocks. Decide if they should be.
1	Required	Low	\$ 2,000	Consider installing 4 fenders.

Inspection 2012/09/16

Inspection Comment: COORDINATES - N51 33 35.1, W120 05 38.7
 MEASUREMENTS ARE AS FOLLOWS - #1 - 38, #2 - 82, #3 - 95, #4 - 77, #5 - 61, #6 - 94
 WOULD BE HELPFULL TO HAVE SPECIFIC SPOTS TO MEASURE INSTEAD OF A TWO FOOT LONG HORIZONTAL LINE AS YOU GET A DIFFERENT MEASUREMENT DEPENDING ON WHERE ON THE LINE YOU ARE MEASURING FROM AS THE LOCK BLOCKS ARE NOT SQUARE. CONSIDER DRILLING IN NAILS AND LEAVE PLUMB BOBS HANGING TO CONDUCT FUTURE SETTLEMENT MEASUREMENTS TO GET EXACT MEASUREMENTS FROM YEAR TO YEAR OR MONTH TO MONTH WHEN ACTIVELY HAULING.
 PB Jan 25,2013. Abutment measurements appear unchanged from Oct 2008 and Oct 2009 numbers. Annual inspection.

2	Required	High	\$ 1	Add 2 bridge ahead signs.
3	Required	Low	\$ 1	Brush Approaches.
1	Required	Medium	\$ 500	REPLACE ONE DECK PLANK ON UPSTREAM SIDE, 10.5"X4"

Inspection 2011/08/12

Inspection Comment: Lock block abutments have shifted continue to monitor, they do not appear to have shifted anymore from last inspection.

1	Required	Medium	\$ 0	Replace deck planks
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Structure #: K749

Site #:	K749		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	0.64		Crossing Name:	McDougall Cr
Project File ID #:	8425	Br.	01	Forest Service Road: HASCHEAK CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/07/08

Inspection Comment: Delineators have been replaced. Bedrock has been solid - regarding 1995 monitor item. Guardrails should be removed from the monitor section. Structure is in good condition.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 245 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Consider installing 4 fenders.

Inspection 2011/11/25

Inspection Comment:

PB Mar 8.2012 Requires curb, riser and mounting block replacement.

1	Required	High	\$ 1	add 2 bridge ahead signs
3	Complete	High	\$ 1	replace guardrails and risers and mounting blocks prior to industrial use.
1	Complete	High	\$ 3,500	Timber mounting blocks, Riser blocks, and Timber Rails (Entered May 27, 2015 D.Porter)
3	Complete	High	\$ 2,500	Replace guardrails risers and bracket blocks (DHP 11/09/15) Completed by Profor (DHP 16/03/05)

Structure #: K609

Site #:	K609	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	1.68	Crossing Name:	Scuitto Cr
Project File ID #:	8439	Br.	01
		Forest Service Road:	SCUITTO LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2005/08/31

Inspection Comment: Overall: Man made dam of rock and branches, .5m. +/- high. At the inlet. Region: GMc Dec 5/05 Check with Water Management branch and the water Licence holder about the dam. If not legitimate, remove the dam.

1	Not Required	Medium	\$ 0	Culvert: Monitor or remove dam. Man made dam of rock and branches, .5m. +/- high.
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Structure #: K944

Site #:	K944	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	1.66	Crossing Name:	North Fork McGillvray Cr
Project File ID #:	8445	Br.	01
		Forest Service Road:	TOD MTN.

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2006/10/03

Inspection Comment:

1	Required	Medium	\$ 0	
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 246 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Hazard: Monitor or repair head wall erosion. Site could use a couple more loads of rip rap. Both head walls are being eroded.

Inspection 2002/03/07

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: The head/wing wall erosion downstream side will continue to erode back into the road. Rip rap will control this erosion.
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Structure #: TKA0701

Site #:	K1474	Primary User Name:	MINISTRY OF FORESTS, LANDS AND NATURAL
KM:	2.80	Crossing Name:	Unkown
Project File ID #:	8534	Br.	04
		Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Required	Medium	\$ 5,000	Replace handling damaged diaphragms during next move. DA.

Inspection 2016/10/05

2	Required	High	\$ 500	Install 5 missing lags and tighten loose ones
1	Required	Medium	\$ 600	Install both bridge ahead signs

Inspection 2013/09/16

Inspection Comment: Road name per existing signs: Branch 4. Russell creek.

Steel superstructure likely good for another 30 years. Timber elements will have to be replaced before then.

1	Required	High	\$ 200	Install 5 lag screws - cross-tie to girder connection. Hole in girder is 3/4 inch dia. Will need 3/4 ?? or 5/8 inch dia. x 6 inch lag screws. Check lag screw diameter at threads is 3/4 or less.
3	Required	Low	\$ 200	Clean ditch and grade road on approaches when grading road. Breach small soil berm on left approach before end of bridge so surface run-off drains to side of road and not on bridge.
2	Required	Medium	\$ 1,000	Install narrow structure signs (bridge ahead) on both approaches

Structure #: K612

Site #:	K612	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	5.05	Crossing Name:	Blomley Cr
Project File ID #:	8535	Br.	01
		Forest Service Road:	S. BARRIERE LAKE



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 247 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/07/22				
Inspection Comment: Structure in good condition. Consider installing no-post barriers.				
1	Required	High	\$ 6,000	Install no-post barriers.

Structure #: K782

Site #:	K782	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)	
KM:	11.91	Crossing Name:	S Barriere Cr	
Project File ID #:	8535	Br.	01	Forest Service Road: S. BARRIERE LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/07/22				
Inspection Comment: Structure in good condition. Consider installing no-post barriers.				
1	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2009/10/07

Inspection Comment: Span Length: 12.15m Deck damage caused by tracked equipment crossing bidge without using something to protect the deck.				
1	Complete	Low	\$ 1	Fix the dip on the bushside approach, minor deck damage has resulted from this. Old repair appears complete in 2012 inspection.DA.

Inspection 1997/09/22

Inspection Comment: Region: Inspection date was 1999 but changed so that structure will be inspected after its first high water. rp99. RegionInsp: Inspection date was 1999 but changed so that structure will be inspected after its first high water. rp99. Environmental: Seeding was completed and has sprouted..				
1	Complete	Medium	\$ 0	Approach: High chain requires more fill.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 248 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)
 Old repair appears complete at time of 2012 inspection. DA.

Structure #: K875

Site #:	K875			Primary User Name:	WEST FRASER MILLS LTD.
KM:	34.38			Crossing Name:	Skull Cr
Project File ID #:	8553	Br.	01	Forest Service Road:	JAMIESON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/14				
Inspection Comment: The bridge requires curb repair, which will involve a welder				
1	Required	Medium	\$ 500	3 corners the top metal rail has been bent back, see photo Repair will require a welder

Inspection 2013/06/24

Inspection Comment: Reccomend the addition of no-post barriers. DA.				
2	Required	Low	\$ 1,000	straighten out bent steel guard rail
1	Required	Medium	\$ 2,000	clean deck and seal joints between slabs. slab joints are being fractured due to debris. Reccomended product is foam backer rod with use of Paraseal. DA.
3	Required	Medium	\$ 4,000	Could benefit from no post concrete approach barriers. Length required 12 m lengths. Ensure each length has at least one drainage barrier (CDB-E concrete barrier detail). DA.

Inspection 2004/08/23

Inspection Comment: Overall: The #6 girder has hair line cracks at mid span that appear to be more frequent and larger than the other girders and typical cracking of this style of bridge.. Region: GMc More cracking maybe due to this being longer than your average slab, high traffic and being on curve. Map any crack wider than 0.25 mm.				
1	Required	Medium	\$ 0	SuperStructure: Monitor girder cracks.The #6 girder has hair line cracks at mid span that appear to be more frequent and larger than the other girders and typical cracking.

Structure #: K933

Site #:	K933			Primary User Name:	WEST FRASER MILLS LTD.
KM:	51.69			Crossing Name:	Jamieson Cr #5
Project File ID #:	8553	Br.	01	Forest Service Road:	JAMIESON CREEK

REPAIRS

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 249 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: The repairs from the last inspection are not completed. The steel should be tested to see if the current load rating is adequate. Structure in fair condition. Consider installing no-post barriers.

1	Required	High	\$ 1,500	Test steel in girders.
2	Required	High	\$ 100	Low chain side - replace one delineator. Need to be bolted to metal.
3	Required	High	\$ 6,000	Install no-post barriers.
4	Required	Medium	\$ 300	Clean cap beam

Inspection 2014/08/11

Inspection Comment: Girder flange delamination is not yet a major concern as specified flange has same measurement as in 2011 - 14.25mm, but it highlights the importance of regular powerwashing of the four corners of the abutments. The log has been removed as per previous inspection. The deck gravel is bermed and will pool water as it currently sits. Structure is in otherwise good condition.
 PB Dec 15,2014 Maintained at load rating "unknown". Girders appear to be marginal for industrial haul and should be checked. FLHRD unchanged at 2015. Should be considered for replacement.

1	Required	Low	\$ 500	Install all four delineators. A steel drill bit and proper sized bolts are required to attach to the steel guardrails.
2	Required	Low	\$ 2,000	Consider installing 4 fenders.
3	Required	Low	\$ 500	Consider removing gravel off of deck.

Inspection 2011/06/27

Inspection Comment: No ID plate seen
 Peeper truck required to inspect girders

2	Required	High	\$ 200	Clean debris off of outside bearings, cleaning of this approach material on the bearings and flanges should be completed by the RUP holder on a more frequent basis. It will allow the structure to extend it's servicable period. DA.
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Inspection 2005/08/30

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 250 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Approach: Grader should be able to redirect surface water off high chain approach.
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Inspection 2011/06/27

Inspection Comment: No ID plate seen
 Peeper truck required to inspect girders

1	Complete	Low	\$ 1,000	Remove log by next freshet. Suggest cutting away with chainsaw Log removed MRF 2014
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Structure #: K932

Site #:	K932		Primary User Name:	WEST FRASER MILLS LTD.
KM:	52.40		Crossing Name:	Jamieson Cr #4
Project File ID #:	8553	Br.	01	Forest Service Road: JAMIESON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2004/03/23

Inspection Comment: Overall: The deterioration of the girders due to rust may be a concern.. Region: GMc Dec 1/05 Monitor for any deck distress on low chain Downstream Corner..

1	Complete	Medium	\$ 0	Abutment: Monitor gabion deterioration. Old repair prior to replacement
2	Complete	Medium	\$ 0	Approach: Fill in corner erosion. Old repair prior to replacement

Inspection 2002/07/31

Inspection Comment: Overall: The girders on this structure are very rusty, with heavy spalling and lose of mass. Should the girder dimensions be recorded?.

1	Complete	Medium	\$ 0	Abutment: Monitor failed gabion. old repair prior to replacement
2	Complete	Medium	\$ 0	SuperStructure: Monitor girders for failure and any movement. Old repair prior to replacement
3	Complete	Medium	\$ 0	Hazard: Monitor abutment erosion and gabion wing wall. Old repair prior to replacement



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 251 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K931

Site #:	K931			Primary User Name:	WEST FRASER MILLS LTD.
KM:	53.20			Crossing Name:	Jamieson Cr #3
Project File ID #:	8553	Br.	01	Forest Service Road:	JAMIESON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: The steel of rusting girders should be tested to see if the current load rating is adequate. Structure in fair condition. Consider installing no-post barriers at high chain side.

1	Required	High	\$ 600	Install 4 new delineators. They have to be bolted to metal.
3	Required	High	\$ 500	Clean the cap beam corners.
4	Required	High	\$ 1,500	Test girders to see if the current loading is adequate.
5	Required	High	\$ 3,000	At high chain side install no-post barriers.
2	Required	Medium	\$ 400	Fill potholes at the approaches. Est. volume =4m3

Inspection 2015/09/23

Inspection Comment: None of the suggested repairs appears to have been done

2	Required	High	\$ 400	Clean the sills and bearings
1	Required	Medium	\$ 250	repair the Upstream #2 delineator

Inspection 2014/08/11

Inspection Comment: High chain abutment scour is not a critical concern. Girders have not been powerwashed as per previous inspection - as a result the corrosion will get worse and spread. Structure is in fair condition due to rusting. PB Dec 15,2014 Maintained at load rating "unknown". Girders appear to be marginal for industrial haul and should be checked. FLHRD unchanged at 2015. Should be considered for replacement. Girders experiencing delamination.

1	Required	Low	\$ 2,000	Consider installing 4 fenders.
2	Required	Low	\$ 500	Install all four delineators. A steel drill bit and correct sized bolts will be needed to attach them to the steel guardrails.

Inspection 2011/06/27

Inspection Comment: No ID plate seen
 Structural review and load rate required



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 252 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

PEng review to be completed in 2012. DA

1	Required	High	\$ 100	Clean all debris off girders, flanges and bearing location. This is a routine RUP maintenance item that should be done on a more frequent basis. Because this maintenance has not been completed regularly it has possibly decreased the servicable life of this structure. DA
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Inspection 2002/07/31

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor High chain abutment scour
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Structure #: K930A

Site #:	K930	Primary User Name:	WEST FRASER MILLS LTD.
KM:	54.90	Crossing Name:	Jamieson Cr #2
Project File ID #:	8553	Br.	01
		Forest Service Road:	JAMIESON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: Structure is new in excellent condition.

1	Required	Medium	\$ 100	LB-fill pothole. Est. volume = 1m3
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Structure #: K929

Site #:	K929	Primary User Name:	WEST FRASER MILLS LTD.
KM:	57.60	Crossing Name:	Jamieson Cr #1
Project File ID #:	8553	Br.	01
		Forest Service Road:	JAMIESON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: The all steel structure is installed above the old structure. The old structure cast in place wing walls are cracking and leaning toward the creek. The falling of the girder, concrete deck pannels and wing wall to the creek is high. The inspector believe that this is just a temporary install to allow the access and the future new structure will be installed following appropriate decomission plan for the old structure.

1	Required	High	\$ 25,000	Remove all cast in place concrete components from the creek, old girder, girder deck pannels and reinstall the structure.
2	Required	High	\$ 300	Grade approaches



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 253 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2015/09/23

Inspection Comment: The girders are very rusty, and the top flanges are deteriorating. there are a number of unresolved previous suggestions

1	Required	Medium	\$ 500	Bend back mid curb rail at downstream side and install delineator
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Inspection 2014/08/11

Inspection Comment: All repairs prior to 2011 should be removed as they are no longer valid. Wing wall crack has not been repaired. Powerwashing of girders has not been completed and severe rusting is taking over all steel surfaces. Structure is in fair condition. Yellow warning signs are posted and real delineators should be considered. PB Dec 15,2014 Maintained at load rating "unknown". Girders appear to be marginal for industrial haul and should be checked. FLHRD unchanged at 2015. Should be considered for replacement. Girders experiencing delamination.

1	Required	Low	\$ 500	Consider installing 4 REAL delineators. Yellow warning signs are not the same as proper yellow and black striped delineator signs. A steel drill bit and correct sized bolts will be needed to attach them to the steel guardrails.
2	Required	Low	\$ 2,000	Consider installing 4 fenders.
3	Required	Low	\$ 1,000	Spalling has occurred on both abutments and steel is exposed on the high chain side. Repair spalling.

Inspection 2011/06/27

Inspection Comment: No plate ID seen
 Bridge to have structural review to determine servicable capacity in 2012. Repairs should still be completed. DA

1	Required	Low	\$ 1,000	Wing wall crack
2	Required	Medium	\$ 100	Clean all approach materials off of the outside girder flanges and bearings. This cleaning should be completed by the primary RUP holder on a more frequent timeframe. If not completed these girders will have a decreased servicable life. DA

Inspection 2002/07/31

Inspection Comment:

1	Complete	Medium	\$ 0	Hazard: Monitor scouring of cribs. No longer valid MRF 2014
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Inspection 1999/08/19

Inspection Comment: Overall: Rip rap has been piled on the low chain approach for the repairs required on this bridge..

1	Complete	Medium	\$ 0	Abutment: Rip rap creek channel and #1 crib upstream corner. No longer valid MRF 2014
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 254 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Complete	Medium	\$ 0	Approach: At both approaches there is erosion at the corners of the bridge. There is rip rap on site and some should be used to stabilize these corners. No longer valid MRF 2014
3	Complete	Medium	\$ 0	Hazard: Rip rap to protect wing wall. No longer valid MRF 2014

Inspection 1996/11/04

Inspection Comment: Overall: Road erosion is a hazard on this structure..

1	Complete	Medium	\$ 0	Abutment: Monitor broken low chain downstream wing wall. No longer valid MRF 2014
2	Complete	Medium	\$ 0	Approach: Add rip rap and fill to control further erosion of the road surface, at the high chain downstream and low chain upstream corners of the bridge. No longer valid MRF 2014

Structure #: K1062

Site #:	K1062		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	12.92		Crossing Name:	Jamieson Cr
Project File ID #:	8553	Br.	02	Forest Service Road: BLACK PINES

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/14

Inspection Comment: No significant issues

1	Required	High	\$ 150	Install both downstream delineators
2	Required	Medium	\$ 200	Install right approach bridge ahead sign

Inspection 2014/08/11

Inspection Comment: Guardrails have been replaced as per previous inspections. Structure is in good condition.

SUPERSTRUCTURE IS CONCRETE SLAB BRIDGE NOT STEEL GIRDER. 12.4m span.

1	Required	Low	\$ 500	Install 1 left and 1 right delineator
2	Required	Low	\$ 2,000	Consider installing 4 fenders.

Inspection 2011/06/30

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 255 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

No ID plate seen

1	Complete	High	\$ 10,000	Timber Rails, blocks, and risers Identified complete in routine inspection MRF 2014
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Inspection 2008/08/06

Inspection Comment: DA reviewed. possible candidate for retrofit curbs. Not sure if this is BCTS admin or MFR

1	Complete	High	\$ 2,300	Requires 4-18', 2-8' x10"x10" and 12-32"and 12-36" riser blocks.1300 bf Identified complete in routine inspection MRF 2014
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Inspection 2005/03/30

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: requires one 18' curb timber or a 8' and 10' 10x10" Also requires a 12' and 8' 6x6" grader strip timbers Identified complete in routine inspection MRF 2014
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Structure #: K926

Site #:	K926	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	1.50	Crossing Name:	Unnamed
Project File ID #:	8553	Br.	20
Forest Service Road:	BEAVERHUT LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/14

Inspection Comment: The culvert length is 12.0 m. and is an 2.1 m. x 1.4 m. culvert arch. The fill height is 0.6 m at the outlet and 0.5 m. at the inlet
 The culvert is not sitting square on its flat bottom but is rolled slightly with the left side high.
 Culvert is fish passable

1	Required	Medium	\$ 300	Brush out inlet and roll rock out of inlet
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Structure #: K927

Site #:	K927	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	2.50	Crossing Name:	Gizard Cr
Project File ID #:	8553	Br.	20
Forest Service Road:	BEAVERHUT LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2009/10/19



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 256 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: Steep and scoured wingwall on the downstream right bank was noted in previous inspection. There appears to be no recent scour, what rock is left and the new vegetation growth is what is holding it up. Recommend continue monitoring for more scour.

1	Required	High	\$ 1	Recommend placing appropriate sized rock at outlet to create a streambed at the same height as the bottom of the culvert. Also rearmour the oversteepened wingwall to prevent as further scouring.
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Inspection 2004/08/23

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Monitor erosion.
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Structure #: K788

Site #:	K788	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)		
KM:	4.46	Crossing Name:	Shelly Cr		
Project File ID #:	8553	Br.	20	Forest Service Road:	BEAVERHUT LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/14

Inspection Comment: The invert of this culvert is rusted through

1	Required	High	\$ 300	Clear the inlet of recent beaver activity
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Structure #: K180

Site #:	K180	Primary User Name:	WEYERHAEUSER COMPANY LIMITED		
KM:	12.94	Crossing Name:	Beaverhut Cr		
Project File ID #:	8553	Br.	20	Forest Service Road:	BEAVERHUT LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2012/08/02

Inspection Comment: No change from previous inspections
 No approach logs are installed and with the drop into the stream are recommended to be installed
 This inspection is listed under the old K180 timber structure. The PS structure will be inspected in 2014

1	Required	Medium	\$ 1	add approach logs due to drop into stream with an otop bridge
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 257 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2007/10/09

Inspection Comment: Overall: Estimated life is 2007, structure requires deck and approach repairs. Given the overall condition and age repair may not be warranted.. Region: GMc Feb 19/08 Poste to 10 T in 2008.. Stringer: There is rot particularly at the low chain upstream timber ends, most extensive on ends and some core rot and punky. 13 (12"x6" timbers) close to end of life..

1	Required	Medium	\$ 0	Deck: Deck requires repair of failed deck planks for short term fix as structure life is probably up. 4x10" planks.
2	Required	Medium	\$ 0	Abutment: Failing crib is probably causing sink hole at the high chain end of bridge.
3	Required	Medium	\$ 0	Approach: Fill in sink hole. Sink hole at the high chain end of the bridge downstream side, likely caused by failing crib.

Inspection 2006/10/10

Inspection Comment: Overall: Rotten old crib is failing which may be causing sink holes too develop at the high chain approach. The deck is also in very poor condition and requires immediate attention.. Region: GMc Jan 16.07. This bridge should not be used for industrial haul. The stability of the crib cannot be predicted. The structure should be replaced or downrated by Oct 07. Stringer: The stringers are rotten on there ends but generally sound with some punky wood at the newer bearing needle beam. The newer span is 2.9 m..

1	Required	Medium	\$ 0	Deck: Requires deck patching or replacement. Full replacement probably not worth doing. Hole in deck and hazard to traffic. (4"x10" planks)
2	Required	Medium	\$ 0	Abutment: Monitor old crib.
3	Required	Medium	\$ 0	Approach: Fill in sink hole at the high chain approach. This condition may continue as the old crib fails.

Inspection 2004/08/23

Inspection Comment: Overall: New needle beams and curbs have been added to this structure.. Stringer: Some top rot, minimal. There is also rot out at the stringer ends, well back from the newly placed needle beams..

1	Required	Medium	\$ 0	Abutment: Continue to monitor old crib.
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Inspection 2001/09/13

Inspection Comment: Overall: Extremely rotten crib, monitor closely for failure.. Stringer: Timbers have some rot on ends and at bearing, minimal..

1	Required	Medium	\$ 0	Abutment: Extremely rotten, monitor for failure.
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Inspection 1997/09/17

Inspection Comment: Overall: The cribs are very rotten and may fail under load or further erosion. Consider for replacement program.. Stringer: There is some rot particularly at the low chain upstream timber ends, most from the end and core rot. Not significant yet. 13 (12"x6" timbers).



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 258 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Abutment: Monitor for failure due to rot and erosion.
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Inspection 1995/03/17

Inspection Comment: Overall: Deck components are in good shape, the cribs are very poor.. Region: Gmc. Stringer: Timbers are good..

1	Required	Medium	\$ 0	Approach: Remove surface run off from road.
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Structure #: K1410

Site #:	K1410			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.00			Crossing Name:	Bonaparte R
Project File ID #:	8553	Br.	24	Forest Service Road:	BONAPARTE HILLS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/21

Inspection Comment: Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 300	LB-install bridge ahead sign.
2	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2015/09/22

Inspection Comment: Bridge has one bridge ahead sign, and added two new delins at inspection

1	Required	Medium	\$ 350	Install bridge ahead sign at the #2 approach
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Inspection 2014/03/10

Inspection Comment: Update GPS coordinates to 51 14 38.7 x 120 26 03.7. Fill has not been added to approaches as per previous inspection. Structure is in good condition.

2	Required	Low	\$ 2,000	Consider installing 4 fenders.
3	Required	Low	\$ 200	Consider adding two bridge approach signs.

Inspection 2007/10/09

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 259 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Not Required	Medium	\$ 0	Approach: Requires fill at the approaches.
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Inspection 2014/03/10

Inspection Comment: Update GPS coordinates to 51 14 38.7 x 120 26 03.7. Fill has not been added to approaches as per previous inspection. Structure is in good condition.

1	Complete	Low	\$ 500	Install 1 left and 1 right delineator.
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Structure #: K661

Site #:	K661		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	4.40		Crossing Name:	Caverhill Cr
Project File ID #:	8553	Br.	24	Forest Service Road: BONAPARTE HILLS

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/11

Inspection Comment: This bridge requires new deck planks and curbs and risers.

1	Required	High	\$ 4,500	Replace upper deck 1500 BF of 3x10" deck planks, deck dimensions are 12.5' x40' x3"
2	Required	High	\$ 4,000	Replace curbs and risers, materials required: 2-10' and 4-16' 10x10" curb timbers 700BF 12-32' riser blocks 267 BF
3	Required	Medium	\$ 600	Install 3 bridge ahead signs
4	Required	Medium	\$ 400	Brush out bridge

Inspection 2013/06/24

Inspection Comment:

1	Required	High	\$ 1,000	bridge ahead signs
2	Required	Medium	\$ 5,000	x14 3x10 - 8' planks replaced for running deck

Inspection 2007/10/09

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 260 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Deck: Requires new 3" deck over treated sub deck.
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Inspection 2004/08/23

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Clean deck and further assess planks.
2	Required	Medium	\$ 0	Abutment: Monitor rip rap, there has been some sloughing of the rip rap at both abutments, appears unchanged from last inspection.

Inspection 1998/09/09

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Repair damaged curb section (see photo) 5.0 m. x 250x250 mm.
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Structure #: 65232389

Site #:	K1599	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.25	Crossing Name:	Criss Creek
Project File ID #:	8553	Br.	87
		Forest Service Road:	KA8553.87

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2015/09/24

Inspection Comment: Settling of right approach not noted.

1	Required	Medium	\$ 650	Install bridge ahead signs
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Inspection 2013/06/24

Inspection Comment:

1	Required	High	\$ 1,000	Required bridge ahead signs
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Structure #: WO-2750

Site #: K1600 Primary User Name: BC TIMBER SALES - HEADQUARTERS



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 261 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	2.50			Crossing Name:	unnamed
Project File ID #:	8553	Br.	87	Forest Service Road:	KA8553.87

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2015/09/24

Inspection Comment: No bridge ahead as suggested

1	Required	Medium	\$ 650	Install bridge ahead signs
2	Required	Medium	\$ 100	move approach logs in line with curbs. Appears to have been pushed out. DA

Inspection 2013/06/24

Inspection Comment:

1	Required	Low	\$ 1,000	add bridge ahead signs
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Structure #: WO1427

Site #:	K1623			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.20			Crossing Name:	Unknown
Project File ID #:	8553	Br.	88	Forest Service Road:	KA8553.88

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/21

Inspection Comment: Structure in good condition.

1	Required	High	\$ 300	Install bridge ahead sign at wood side.
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Inspection 2015/09/24

1	Required	Medium	\$ 650	Install bridge ahead signs
1	Complete	High	\$ 2,000	At time of next move. Reccomend structure goes to CWB welding shop for a number of bracing replacements. DA Aug 2012. BCTS completed 3M steel did the welding. DA June 2014.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 262 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Complete	Medium	\$ 4,500	Sub-deck and running deck replaced by BCTS. DA.
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Structure #: TKA011

Site #:	K1624	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.00	Crossing Name:	Unknown Creek
Project File ID #:	8553	Br.	88
		Forest Service Road:	KA8553.88

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/14

Inspection Comment: The bridge is not positioned well over the creek, the creek is eroding the right bank upstream rip rap. The bridge is low

1	Required	Medium	\$ 200	Install right approach bridge ahead sign
2	Required	Medium	\$ 250	Clean bridge deck

Inspection 2015/09/24

1	Required	Medium	\$ 650	Install bridge ahead signs
2	Required	Medium	\$ 400	Grade and finish approaches

Structure #: K1155

Site #:	K1155	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.09	Crossing Name:	Peterson Cr
Project File ID #:	8554	Br.	20
		Forest Service Road:	CL8554.20

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/21

Inspection Comment: The structure is sitting on individual lock blocks. Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 6,000	Install no-post barriers.
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Inspection 2012/08/02

Inspection Comment: Ties are 8"X10" ties o/c spacing of 12". Needs Site ID Plate and painted structure ID. Maintain 5 tonnes load restriction for the next two years if no repair works completed. Bridge to be closed in summer of 2014 if no change. DA.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 263 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Complete	High	\$ 2,000	As previous replacement of all timber components prior to industrial hauling DA. Repair completed by BCTS. DA June 9, 2014.
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Inspection 2009/10/19

Inspection Comment: There has not been any work done on this bridge since the last inspection, but the road has been graded.

Due too the extensive rot in the x-ties and guardrail, recommend a reduced load rating be posted.

Skewed bridge see drawings for span lenth.
 PB Dec 4, 2009. Barry, given the condition of the deck this structure should be closed to all traffic until professionally inspected. A light loading may be assigned at that time.

1	Complete	High	\$ 1	Replace all deck components, x-ties, decking and guardrail. Ensure correct hardware is used.
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Inspection 2003/03/06

Inspection Comment: Curbs and risers have high to extensive rot and may not make next inspection.

DA reviewed: replace deck and curbs as per Ron's maintenance works.

2	Complete	High	\$ 2,500	Curbs are in poor condition.
1	Complete	Medium	\$ 100	Approaches are rough and would require grading. Settled and potholed at the bridge ends. Completed by BCTS June 9, 2014. DA.
3	Complete	Medium	\$ 4,000	If used for industrial haul decking will deteriorate quickly. Will require deck planks and ties

Inspection 2005/03/30

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: The deck planks are in fair condition. The curbs and ties are in poor condition. The deck may carry the rotten ties for a couple years but the curbs may not last to next inspection. 4-16' and 2-8' and 12 - 36" riser blocks and 30" bolts.
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Inspection 2002/03/01

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Will probably require curbs before the next inspection.
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Structure #: K182

Site #: K182 **Primary User Name:** WEST FRASER MILLS LTD.
KM: 2.93 **Crossing Name:** Watching Cr

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 264 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #: 8591 Br. 01 Forest Service Road: SAWMILL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: Some of the rubber pads are crushing. Otherwise the structure is in fair condition.

1	Required	High	\$ 300	LB-connect nose sections to the rest
2	Required	High	\$ 1,200	Fill potholes at the bridge and approaches. Est. volume = 12m3
4	Required	High	\$ 400	Low chain side - realign the bridge ahead sign High chain side - install new bridge ahead sign
3	Required	Medium	\$ 200	Brush approaches.

Inspection 2015/09/24

Inspection Comment: It appears the curbs have been updated, as to conforming to repair prescription no details are available. The curbs are attached to the top of the deck panels and a plate was installed over the bolts. Previous suggested repairs appear to have been done

3	Required	Medium	\$ 100	Move approach barriers so that the concrete aligns with the inside edge of the bridge curbs rails. No exposed vertical facing of the rails.
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Inspection 2011/06/27

Inspection Comment: Clean sediment trap town approach
 Replacement date assumes bearing sandwiches are replaced
 Not bearing sandwiches, this repair requires new rubber bearing strips. If this repair is not completed it will decrease the servicable life of this structure. As Lyle has suggested the replacement date will be decreased significantly if this repair is not completed within the next routine inspection schedule (3 yrs). DA

1	Required	High	\$ 7,000	Replacement of rubber bearing strips, this will required removal of superstructure or individual girder jacking, cleaning steel cap beam and replacement of rubber bearing strip. DA.
2	Required	Medium	\$ 100	Clean the debris off the top of the cap beams, approach spillage. This is a routine maintenance item, which will ensure this structure meets it's servicable design life. DA

Inspection 2005/08/30

Inspection Comment:

1	Not Required	Medium	\$ 0
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 265 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Deck: Cut off wire deck lift loops. Gravel has been worn down to concrete and exposed the wire lifting loops. The loops are broken and are a potential tire puncture hazard.
2	Not Required	Medium	\$ 0	Approach: Brush out around bridge. Tree growing up on downstream side of the bridge.

Inspection 2014/08/12

Inspection Comment: Shear connectors cannot be monitored as they are under the gravel deck. Bearing pads have not yet been replaced. Wire deck loops were not visible at time of inspection. Structure is in fair condition due to failing bearing pads and lack of gravel on deck.

MFNRO:

Note the current guardrails are temporary, due to impact damage. If repairs are not completed as per my prescription then this structure will be downgraded upon the next inspection in 2015. Detailed repair prescription was sent to the district and the primary RUP holder in the spring of 2014. DA.

1	Complete	Low	\$ 700	Install 4 delineators. Guardrail is damaged so them may have to be placed in ground or added to fenders.
2	Complete	Low	\$ 2,000	Consider installing 4 fenders

Structure #: K183

Site #:	K183		Primary User Name:	WEST FRASER MILLS LTD.
KM:	21.01		Crossing Name:	Tranquille Cr
Project File ID #:	8591	Br.	01	Forest Service Road: SAWMILL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2014/08/12				
Inspection Comment: Fenders have not been installed as per previous inspection. Road appears to be brushed out. Hair line cracks in concrete are not an issue at this time. Bearings are welded directly to the girders with no bearing pads. No breaks in welds were noticed. Structure is in fair condition due to having no bearing pads and unknowns about bracing.				
1	Suggested	Low	\$ 700	Install 4 delineators. Due to guardrail damage this may only be accomplished by pounding posts into ground or installing fenders first.

Inspection 2017/09/14

Inspection Comment: No issues, nopost sections, stacked at both end of the bridge

1	Required	High	\$ 200	Install delineators (2) missing, may require welding
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Inspection 2014/08/12

Inspection Comment: Fenders have not been installed as per previous inspection. Road appears to be brushed out. Hair line cracks in concrete are not an issue at this time. Bearings are welded directly to the girders with no bearing pads. No breaks in welds were noticed. Structure is in fair condition due to having no bearing pads and unknowns about bracing.

2	Required	Low	\$ 5,000	Guardrails are damaged due to impact from vehicles (likely a grader). Consider repairing damage to steel guardrails. (mechanically bend out steel guard posts). Only complete repairs if fenders are first installed otherwise they will just be struck
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 266 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)
 again.

Inspection 2011/06/27

Inspection Comment: No ID plate
 Clean sediment traps on approaches

1	Required	Medium	\$ 2,000	Reccomend addition of no post barriers, transitions and bullnose to protect damage to curbs. Even though alignment isn't an issue, end of curb system has be damaged. DA.
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Inspection 2005/08/30

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Brush out at bridge
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Inspection 2002/08/02

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor hair line bulkhead cracks.
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Inspection 2017/09/14

Inspection Comment: No issues, nopost sections, stacked at both end of the bridge

7	Complete	Medium	\$ 200	Place the delivered no-post barriers. west fraser emailed completed
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Structure #: K190

Site #:	K190		Primary User Name:	WEST FRASER MILLS LTD.
KM:	28.59		Crossing Name:	Heller Cr
Project File ID #:	8591	Br.	01	Forest Service Road: SAWMILL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: No-post barriers on site. Needs to be placed. The amount of riprap looks similar as per the last inspection. Deck covered with gravel this time. Bridge ahead signs still not installed.

1	Required	High	\$ 600	Intall bridge ahead signs.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 267 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	High	\$ 400	Install no-post barriers. No-post barriers on site.
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Inspection 2015/09/24

Inspection Comment: No rip rap has been hand placed as suggested, delins have been installed.

1	Required	Medium	\$ 650	Install bridge ahead signs
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Inspection 2014/08/12

Inspection Comment: Sill lean is not an issue at this time. Repairs prior to 2005 are no longer valid. Camp abutment scour behind the riprap is not a major issue at this time. Structure is in good condition.

1	Required	Low	\$ 500	Consider installing bridge ahead signs.
3	Required	Low	\$ 2,000	Consider installing 4 fenders.
4	Required	Medium	\$ 1,000	Consider hand placing boulders in gap on top of geofabric to fill hole behind riprap on camp side to eliminate chance of abutment scour.

Inspection 2005/08/30

Inspection Comment: Overall: Timber curbs have been replaced with steel curbs and a 250 mm lift of gravel retained by the steel curbs..

1	Required	Medium	\$ 0	Abutment: Monitor sill lean. Both sills have a slight lean toward the low chain.
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Inspection 2014/08/12

Inspection Comment: Sill lean is not an issue at this time. Repairs prior to 2005 are no longer valid. Camp abutment scour behind the riprap is not a major issue at this time. Structure is in good condition.

2	Complete	Low	\$ 700	Install 4 delineators. A steel drill bit and proper sized bolts will be required top attach them to the steel guardrails.
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Inspection 2002/08/02

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: May require new curbs before the next inspection. No longer valid. MRF 2014
2	Complete	Medium	\$ 0	Hazard: Moonitor scouring under the low chain abutment. No longer valid MRF 2014

Structure #: K679

Site #: K679 **Primary User Name:** WEST FRASER MILLS LTD.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 268 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	32.85			Crossing Name:	Mow Cr
Project File ID #:	8591	Br.	01	Forest Service Road:	SAWMILL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: Riprap condition similar to the last inspection. Structure in good condition. Consider installing no-post barriers.

2	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 200	Install 2 delineators.
1	Required	Low	\$ 100	Brush approaches

Inspection 2015/09/24

Inspection Comment: Suggested repairs have not been done

3	Required	Medium	\$ 650	Install bridge ahead signs
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Inspection 2014/08/12

Inspection Comment: All repair items prior to 2014 can be removed as they are no longer valid. The riprap is not so much unstable as rounded. But it is currently not an issue. Structure is in good condition.

1	Required	Low	\$ 700	Install 4 delineators. A steel drill bit and proper sizes bolts will be required to attach to steel guard rails.
2	Required	Low	\$ 2,000	Consider installing 4 fenders.

Inspection 2005/08/30

Inspection Comment: Overall: Bridge timber curbs have been removed and steel curbs installed. Also a lift of gravel approximately 250 mm was laid over the bridge..

1	Complete	Medium	\$ 0	Abutment: Monitor unstable rip rap. No longer valid MRF 2014
2	Complete	Medium	\$ 0	Hazard: Monitor abutment scour. No longer valid MRF 2014



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 269 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2002/08/02

Inspection Comment:

1	Complete	Medium	\$ 0	Hazard: Monitor unstable rip rap. No Longer valid MRF 2014
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Inspection 1999/08/17

Inspection Comment: Region: Monitor unstable rip rap. rp99.. RegionInsp: Monitor unstable rip rap. rp99..

1	Complete	Medium	\$ 0	Abutment: Monitor unstable rip rap. No longer valid MRF 2014
2	Complete	Medium	\$ 0	Hazard: Monitor unstable rip rap. No longer valid MRF 2014

Inspection 1996/11/05

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Monitor downstream curb damage. No longer valid MRF 2014
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Structure #: K678

Site #:	K678		Primary User Name:	WEST FRASER MILLS LTD.
KM:	34.68		Crossing Name:	Criss Cr
Project File ID #:	8591	Br.	01	Forest Service Road: SAWMILL LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: One delineator not installed. Need to be connected to the metal frame. Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 100	LB- install 1 delineator
2	Required	High	\$ 6,000	Install no-post barriers.

Inspection 2015/09/24

Inspection Comment: Only one delineator missing, requires bolts and drill to install



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 270 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 200	Only one delineator missing, requires bolts and drill to attach to metal curb
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Inspection 2014/03/12

Inspection Comment: New steel guardrails have been installed since previous inspection. High water monitor could not be completed. Structure is in good condition.

1	Required	Low	\$ 700	Install 4 delineators. A steel drill bit and proper sized bolts will be required to attach them to the steel guardrails.
2	Required	Low	\$ 2,000	Consider installing 4 fenders.

Inspection 2002/03/02

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: May soon require curbs and risers 1-2 years at most. Repl[aced with steel guard rails. MRF 2014
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Structure #: K879

Site #:	K879	Primary User Name:	WEST FRASER MILLS LTD.
KM:	0.31	Crossing Name:	Heller Cr
Project File ID #:	8591	Br.	02
Forest Service Road:	PASS LAKE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/14

Inspection Comment: The grade and corner at the high chain/#2 approach and damaged curb rail suggest that as a safety concern might warrant noposts.

1	Required	Medium	\$ 600	Install bridge ahead signs
2	Required	Medium	\$ 3,000	installing at least 6 m of no-post approach barriers

Inspection 2013/09/16

Inspection Comment:

1	Required	Low	\$ 200	Add bridge ahead signs
2	Required	Low	\$ 2,000	Add fenders

Inspection 2001/03/29



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 271 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: Overall: Gary were you aware that new curbs are being added to bridges in area that are 2.25m high and are narrowing the deck width 4.17 m (see photos).

1	Required	Medium	\$ 0	Deck: Gravel to just under .5 m depth to be added over concrete.
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Inspection 1998/09/10

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Tighten curb bolts.
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Structure #: K1583

Site #:	K1583		Primary User Name:	MINISTRY OF FORESTS, LANDS & NATURAL
KM:	13.40		Crossing Name:	Deadman R
Project File ID #:	8591	Br.	35	Forest Service Road: FATOX LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
2	Required	Medium	\$ 0	Cap beam rip rap and approach fill repair required. See prescription by Drew A. MRF 2011

Inspection 2018/07/20

Inspection Comment: Cap beam lean at RB is 6 degrees, at LB is 1 degrees. Bridge ahead signs not installed. Riprap is looking good. No beaver dam noted near the bridge. Consider installing no-post barriers.

1	Required	High	\$ 600	Install bridge ahead signs.
4	Required	High	\$ 6,000	Install no-post barriers.
3	Required	Low	\$ 100	Minor brushing at the approaches.
5	Required	Low	\$ 100	RB-DS corner remove the garbage.
2	Required	Medium	\$ 300	Clean deck.

Inspection 2015/09/24

Inspection Comment: No mitigation has been done on the leaning #2 abutment, the girders are as yet not touching the back edge of the sill. No bridge ahead signs as well

1	Required	Medium	\$ 650	Install bridge ahead signs
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 272 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2014/08/11

Inspection Comment: Cap beam riprap repairs have not been completed as per previous inspections. 5 degree lean on cap beam does not appear to be moving more. Suggest setting up a permanent measure system to get a more accurate idea if it is still moving.
 Beaver dam is present under structure. Structure is in fair condition.
 PB Dec 15,2014 Maintain load rating as "unknown", abutment repairs not complete as per Oct 2013 perscription.

1	Required	Low	\$ 500	Consider installing bridge ahead signs.
2	Required	Low	\$ 650	Set up permanent monitoring system to measure cap beam lean.
1	Complete	High	\$ 0	Replace all curbs and risers on downstream side.

Structure #: K677

Site #:	K677		Primary User Name:	WEST FRASER MILLS LTD.
KM:	10.57		Crossing Name:	Rushton Cr
Project File ID #:	8593	Br.	01	Forest Service Road: O'CONNOR LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/14

1	Required	Low	\$ 200	Brush out inlet
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Inspection 1999/08/17

Inspection Comment: Overall: Traffic is running off the road on the downstream #2 corner due to erosion..

1	Required	Medium	\$ 0	Approach: Rip rap and add fill at outlet of culvert.
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Inspection 1997/09/17

Inspection Comment: Overall: There are large active slumps at both approaches. The ditches have recently been cleared but already partially blocked. The fill at the outlet is also showing signs of slippage and erosion..

1	Required	Medium	\$ 0	Approach: There are large active slumps at both approaches. The ditches have recently been cleared but already partially blocked. Monitor and clear as required.
2	Required	Medium	\$ 0	Culvert: Monitor fill erosion at the outlet.

Inspection 1995/08/17

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 273 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 0	Approach: Clear ditches.
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Structure #: K1061

Site #:	K1061	Primary User Name:	MINISTRY OF FORESTS, LANDS & NATURAL
KM:	5.80	Crossing Name:	Wentworth Cr
Project File ID #:	8593	Br.	02
		Forest Service Road:	WENTWORTH CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/20

Inspection Comment: New deck pannels and curb rail system. No-post barriers installed. Structure in good condition. Please clear the repair and monitoring list.

1	Required	High	\$ 300	At 3 corners attach no-post barrier ends to the rest. LB-US corner align no-post barrier.
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Inspection 2015/09/23

Inspection Comment: As noted in previous inspection the original down stream curbs failed after their connection to the deck panels failed. likely from impact. The repair involved drilling through the deck panel vertically and bolting the curb stantions through the deck. This has caused the deck panels to crack and break out at the drill holes. see photo

1	Required	Medium	\$ 250	Install #2 approach bridge ahead sign
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Inspection 2011/06/27

Inspection Comment: No ID plate seen
 Structure may require gravel deck removal to properly inspect, also will try to survey approaches at that time as general arrangement design vehicle tracking doesn't meet current standards. This structure will require significant repairs.

2	Complete	Medium	\$ 4,000	recommend installation of no post approach barriers to force traffic into proper alignment. This repair should wait until after Prof. Ins. is completed and approach/bridge alignment is evaluated. DA No post barriers installed MRF 2014
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Inspection 2005/08/30

Inspection Comment:

1	Complete	Medium	\$ 0	Deck: Curbs are in poor condition, some section have extensive rot as well as impact damage. The curbs are still functional as they are, but it is unlikely they will las to next inspection. The grader strip is also damaged, see photo. The down stream curbs have Replaced with steel rails. MRF 2014
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Structure #: K676

Site #: K676 Primary User Name: DISTRICT MANAGER KAMLOOPS (DKA)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 274 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	3.09			Crossing Name:	Leonie Cr
Project File ID #:	8789	Br.	01	Forest Service Road:	LEONIE CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/07/23

Inspection Comment: remove debris from inlet this fall.

monitored the erosion at outlet: Fill is eroded 0.8 m back from end of outlet. Removal of the debris at inlet needs to get completed shortly, as this structure appears to be undercapacity with the amount of woody debris upstream. Scour and lack of riprap at the outlet are causing problems, which will continue to be monitored. DA.

1	Required	High	\$ 1,000	remove woody debris from inlet of culvert
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Inspection 2009/10/20

Inspection Comment: Undermining at outlet has increased since previous inspection, measures approx 0.95m from end of culvert to fill. PB Jan 4,2010 Inspect annually and measure for any further horizontal advancement of undermining.

1	Required	High	\$ 1	To prevent any road erosion recommend building up stream bed at outlet to culvert height and improve wingwall armouring. Appropriate sized rock will be required to ensure the streambed will not be scoured out again.
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Inspection 2006/10/04

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Remove tree felled into inlet.
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Inspection 2002/08/07

Inspection Comment:

1	Required	Medium	\$ 0	Culvert: Steep and eroded, some has failed and appears it may continue to do so. Monitor rip rap erosion.
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Structure #: K622

Site #:	K622			Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	9.16			Crossing Name:	Delta Cr
Project File ID #:	8789	Br.	01	Forest Service Road:	LEONIE CREEK

REPAIRS

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 275 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/10

Inspection Comment: Will require curbs soon. This structure now has bridge ahead signs

1	Required	High	\$ 4,500	Curbs and risers have extensive rot. Materials required for full replacement: 4-16' and 2-8' 10x10" curb timbers 667 BF Also 12-2' and 12-3' riser blocks 500 BF
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Inspection 2013/07/23

Inspection Comment: Plan to replace curbs, and curb blocks in next 3 years

Install Bridge ahead sign on left approach

Plan to replace curbs, curb risers and blocks in 3 years

1	Required	Low	\$ 500	brushing
2	Required	Medium	\$ 4,000	Plan to replace guard rail, curb blocks and risers in next 3 years
4	Required	Medium	\$ 2,000	Grade approaches or add fill prior to industrial hauling to decrease damage to slab ends. DA.
3	Complete	Low	\$ 500	install bridge ahead sign on left approach. noted as completed at 2016 inspection

Structure #: K176

Site #:	K176	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:	0.34	Crossing Name:	Louis Cr
Project File ID #:	9086	Br.	01
		Forest Service Road:	BARLETT CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/13

Inspection Comment: No issues



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 276 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Medium	\$ 200	Brush out bridge
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Inspection 2002/03/07

Inspection Comment:

2	Required	Medium	\$ 0	Approach: Brush out approaches.
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1	Complete	Medium	\$ 0	Deck: Requires new curbs and risers, one has failed the others are very rotten. Replaced 2015
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Inspection 2014/10/07

Inspection Comment: Guardrails rotten. Still require repair as before.
 PB Dec 16,2014 Replace all timber components.

3	Complete	High	\$ 8,000	PB Dec 16,2014 Replace all timber components. Curb, rails and risers replaced 2015 - DC
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Structure #: K817

Site #:	K817		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	4.60		Crossing Name:	Cedar Cr
Project File ID #:	9137	Br.	01	Forest Service Road: CARIBOU MTN-MAINLINE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/09

Inspection Comment: The culvert is unlikely to be fish passable at low water, .5 m. from pool to invert and a long swim through the culvert with no backwater rest

2	Required	High	\$ 250	Clear inlet of debris and channel upstream
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1	Required	Medium	\$ 200	Ditch or bar to remove surface runoff from eroding downstream fill
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Structure #: K1112

Site #:	K1112		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	4.50		Crossing Name:	Reg Christie Cr
Project File ID #:	9137	Br.	02	Forest Service Road: ROAD 30

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/09



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 277 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: Bridge ahead signs installed, and recent curb replacement

1	Required	Low	\$ 200	Brush out bridge
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Inspection 2009/10/23

Inspection Comment: Span length: approx 14.8m

I believe this bridge is on Caribou Mtn Mainline, may have been mixed up with k817.

1	Required	Low	\$ 1	There are two joints that need to be resealed, 1 between the bushside ballast wall and end deck panel, and the next one between the two deck panels.
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Inspection 2006/10/13

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Reinsert the rubber panel seal. The rubber gasket at the first panel joint from the high chain has dropped out.
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Inspection 2013/09/18

Inspection Comment: N51 36 51.9
 W119 36 06.4
 STRUCTURE IS NON-COMPOSITE

PB Mar27,2014. No file information found. Load rating set to unknown. Suitable for industrial haul. RS WO2053

1	Complete	Low	\$ 1,000	Install Bridge Ahead signs
2	Complete	Low	\$ 1,000	Replace two riser blocks on upstream guardrail

Structure #: K1104

Site #:	K1104		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	7.52		Crossing Name:	Chuck Cr
Project File ID #:	9138	Br.	01	Forest Service Road: CHUCK CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2015/09/12

1	Complete	Medium	\$ 300	Brush out road and outlet
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Inspection 2012/09/16

Inspection Comment: NO ISSUES



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 278 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

NO ISSUES

1	Complete	Medium	\$ 1	Brush Approaches.
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Structure #: ?

Site #:	K1572	Primary User Name:	MINISTRY OF FORESTS, LANDS AND NATURAL
KM:	0.30	Crossing Name:	Melba Cr
Project File ID #:	9224	Br.	02
Forest Service Road:			

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2011/08/08				
Inspection Comment: Did not get detailed As-Built information. The bridge is 12.192 meters in length as as 4.3m wide timber plank deck with cross ties below. Cannot see abutments properly due to bearing plates being sunk into the fill plus there is an excess of fill around the abutments. We will travel to the site and pick up the appropriate information when fessible. Not the abutments don't look very promising. The load rating will still sit at unknown and should not be used for industrial hauling until further professional inspection is completed. DA				
1	Suggested	Medium	\$ 0	Remove excess fill around abutments and place some Rip Rap

Structure #: K1411

Site #:	K1411	Primary User Name:	TOLKO INDUSTRIES LTD.
KM:	0.00	Crossing Name:	Niskonlith Cr
Project File ID #:	9232	Br.	01
Forest Service Road:		EILEEN LAKE	

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/13				
Inspection Comment: The lack of fill under and in front of the sills will continue to allow approach fill to settle and erode				
1	Required	High	\$ 300	Add fill to approaches
Inspection 2014/07/05				
Inspection Comment: test				
2	Required	Low	\$ 250	Install bridge ahead signs



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 279 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2011/07/12

Inspection Comment: backfill appears to be eroding due to uncontrolled drainage at bridge ends. See additional repair. DA

1	Required	High	\$ 4,000	Hand placement of additional rip rap is recommended to be placed under both abutments. As it appears from the picture of this inspection, that the cap beam of this structure is too shallow or another cause. Approach fills are eroding into the rip rap and possibly the channel. DA.
3	Complete	High	\$ 4,500	BCTS replaced the guard rails on this bridge in the fall of 2014. Cost include BCTS supply of the timbers

Structure #: K1187

Site #:	K1187		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	10.60		Crossing Name:	Louis Cr
Project File ID #:	9232	Br.	01	Forest Service Road: EILEEN LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/10/03

Inspection Comment: UTM's updated.

3	Required	Medium	\$ 1,000	Re-grade top of fill on both bridge ends
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Inspection 2004/08/19

Inspection Comment:

1	Required	Medium	\$ 0	Approach: Road surface water off the high chain approach is running onto the upstream corner of the bridge. This has washed out the fill at that corner. Requires fill.
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Inspection 2013/10/03

Inspection Comment: UTM's updated.

1	Complete	Low	\$ 1,000	Install Bridge Ahead signs noted completed during 2016 inspection. DA
2	Complete	Medium	\$ 1,000	Install delineators, requires 2 left and 1 right

Structure #: K1034

Site #:	K1034	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 280 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	13.36			Crossing Name:	Dominion Cr
Project File ID #:	9232	Br.	01	Forest Service Road:	EILEEN LAKE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2005/08/31

Inspection Comment:

1	Required	Medium	\$ 0	Hazard: Remove tree. Tree across channel just upstream of the bridge.
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Inspection 2014/10/07

Inspection Comment: Channel dry at time of inspection, but thalweg indicated migration towards right side at downstream corner. Continue monitor.
 Replace guard rails, blocks, and risers soon.
 PB Dec 15,2014 Continue to monitor rip rap scour. Replace all timber components.

2	Complete	Low	\$ 2,000	Replace guardrails, mounting blocks, and risers prior to next inspection. Hardware OK 12 x blocks 12 x risers 4 x 16'-6" end sections 2 x 7' middle sections
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Inspection 2008/09/22

Inspection Comment: Reviewed

1	Complete	Low	\$ 100	brushing required
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Inspection 1999/08/18

Inspection Comment: Overall: Requires immediate attention or load rate. The shear connections are not welded or have cracked. Drive by inspection, flags were deselected as required works were carried out rp01.

1	Complete	Medium	\$ 0	SuperStructure: Requires all shear connections to be checked and welded.
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Structure #: K1136

Site #:	K1136			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	9.56			Crossing Name:	Eakin Cr
Project File ID #:	9860	Br.	01	Forest Service Road:	



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 281 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/23

Inspection Comment: Bridge ahead signs are not installed. Structure in good condition. Consider installing no-post barriers.

1	Required	High	\$ 600	Install bridge ahead signs.
3	Required	High	\$ 6,000	Install no-post barriers.
4	Required	High	\$ 200	Fill pothole at RB. Est. volume=2m3
2	Required	Medium	\$ 300	Brush approaches.

Inspection 2015/09/19

Inspection Comment: No suggested repairs done

1	Required	Medium	\$ 650	Install bridge ahead signs
2	Required	Medium	\$ 200	Tighten curbs

Inspection 2012/08/07

Inspection Comment: DOWNSTREAM GUARDRAILS GETTING LOOSE, NO OTHER ISSUES

2	Required	Low	\$ 1	brush out approaches
3	Required	Medium	\$ 400	tighten up curb bolts. DA.

Inspection 2000/10/05

Inspection Comment: Overall: 3 Curb splices were not made at bolted riser blocks, 1 upstream side and 2 on flaired downstream, may require changing. Drive by inspection curb concerns are unchanged rp01. Region: Region is aware of the issues regarding this structure. Rp02. Environmental: Site has been seeded..

1	Required	Medium	\$ 0
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 282 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Deck: Curb splices were not made at bolted riser blocks, may require changing.
4	Complete	High	\$ 0	BCTS Kamloops has replaced the riser support blocks, riser blocks and gaurdrails. All new hardware was used to attach these components to the bridge.

Structure #: K1165

Site #:	K1165			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	6.42			Crossing Name:	Spillman Cr
Project File ID #:	9865	Br.	01	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/03				
Inspection Comment: No significant issues				
1	Required	High	\$ 300	Brush out bridge

Inspection 2012/10/11

Inspection Comment: Site coordinates UTM zone 11 317541, 5668531 No id plate found				
1	Required	Low	\$ 1	add bridge ahead signs
2	Required	Medium	\$ 1	Add 1 load of granular fill on each approach due to settling of backfill
3	Complete	Medium	\$ 4,000	Replace all timber curb components prior to industrial hauling. DA. Completed by BCTS Allen Gill email, used treated risers and bracket blocks, untreated rails. DA.

Structure #: K1445

Site #:	K1445			Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.00			Crossing Name:	Shannon Cr
Project File ID #:	9959	Br.	01	Forest Service Road:	SHANNON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2018/06/15				
Inspection Comment: The repairs are not completed from the last inspection. This structure is UNSAFE due to missing appropriate connection bolts between bearing timbers and girder. Consider installing no-post barriers.				



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 283 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	High	\$ 500	Connect the girder and bearing timber with appropriate connection bolts.
3	Required	High	\$ 6,000	Install no-post barriers.
6	Required	High	\$ 600	Install bridge ahead signs.
1	Required	Medium	\$ 100	Fill the potholes at LS
4	Required	Medium	\$ 400	Clean flanges and sill logs.
5	Required	Medium	\$ 200	Tighten curbs and replace washers

Inspection 2016/09/20

2	Required	High	\$ 300	Clean flanges and sills
4	Required	High	\$ 200	Tighten curbs and replace washers
3	Required	Low	\$ 200	Reinstall delineators as required
1	Required	Medium	\$ 500	Install bridge ahead signs

Inspection 2015/09/04

Inspection Comment: The flanges and sills are covered in gravel, but it appears that there is no connection to the sill or Ballast wall. No movement visible

1	Required	Medium	\$ 500	Install bridge ahead signs
2	Required	Medium	\$ 200	Clean flanges and bearing

Inspection 2012/09/14

Inspection Comment: NO ISSUES
 NO SETTLING OR OTHER ISSUES NOTICED WITH TIMBER SILLS

1	Required	High	\$ 1	Add bridge ahead signs.
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Structure #: K1451

Site #:	K1451	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	1.50	Crossing Name:	Carole Creek
Project File ID #:	9959	Br.	01
Forest Service Road:	SHANNON CREEK		

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 284 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2011/10/23

Inspection Comment: Correct site data taken and entered. Site is not on Shannon Creek FSR, it is on 1RD or CM Road starting at 11.9km on Shannon Creek FSR.

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	add 1 delineator; 1 left abut.
3	Required	Medium	\$ 1	remove gravel from running surface

Structure #: K1453

Site #:	K1453	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	3.40	Crossing Name:	Unknown
Project File ID #:	9959	Br.	01
		Forest Service Road:	SHANNON CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/04

Inspection Comment: Delineators and guardrails have been installed since previous inspection. Bridge ahead signs have not. Brushing has been completed. Structure is in good condition.

1	Required	Low	\$ 2,000	consider installing 4 fenders
2	Required	Low	\$ 500	Replace 3x12 timbers that were removed. they are on site and need to be placed on guardrails to prevent gravel from going into stream.

Inspection 2011/10/23

Inspection Comment:

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	add delineators; 1 left and 1 right



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 285 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K1464

Site #:	K1464			Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.70			Crossing Name:	Unkown
Project File ID #:	9959	Br.	02	Forest Service Road:	STILLWATER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/04

Inspection Comment: Guardrails appear to be replaced since previous inspection. Brushing was not completed and bridge ahead signs have not been installed. Structure is in good condition.

PB Jan 29,2015 Road tenure to be confirmed. This is identified as an RP road and is set to "do not inspect".

1	Required	Low	\$ 2,000	Consider installing 4 fenders prior to active use.
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Inspection 2011/08/10

Inspection Comment: PB Mar6.2012 Structure is on RP road to be turned back to licensee

1	Required	Medium	\$ 0	Replace guardrails and riser blocks
2	Required	Medium	\$ 0	Brush out around delineators

Structure #: K1452

Site #:	K1452			Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	2.10			Crossing Name:	Figpepper Creek
Project File ID #:	9959	Br.	02	Forest Service Road:	STILLWATER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/07

Inspection Comment: This structure is on SHANON not STILLWATER. Same as 1451 and 1453. Structure has not had bridge ahead signs installed or gravel removed from deck as per previous inspections. Structure is in good condition.

Deck surface is concrete NOT gravel as per structure tab.

PB Jan 29,2015 Road tenure to be confirmed. This is identified as an RP road and is set to "do not inspect".

2	Required	High	\$ 10,000	Replace guardrails. 16m of guardrail, 10 blocks, 10 risers, hardware and 8 large cable nails to reattach current delineators (rebar and wire connectors).
1	Required	Low	\$ 2,000	Consider installing 4 fenders.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 286 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Low	\$ 500	Brush out structure.
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Inspection 2011/10/23

Inspection Comment:

1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	add 1 delineator
3	Required	Medium	\$ 1	clean gravel off deck.

Structure #: K1156

Site #:	K1156	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.87	Crossing Name:	Unnamed
Project File ID #:	9968	Br.	01
Forest Service Road:	MAHOOD-WEST MAINLINE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2017/09/04

Inspection Comment: One section of curb and upper risers was replaced, it was not bevel cut on the end, see photo. the remaining curbs and risers have a limited life particularly left bank downstream curb. It appears that new no posts have been installed

1	Required	Low	\$ 300	Brush out bridge
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Inspection 2014/07/08

Inspection Comment: Structure is in good condition.

1	Complete	Low	\$ 500	Consider installing bridge ahead signs. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Low	\$ 2,000	Consider installing 4 fenders. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2011/08/11

Inspection Comment:

1	Complete	Medium	\$ 0	Replace section og guardrail and two blocks downstream right bank side Replaced two riser blocks, and one 10' section of guard rail under contract EN18TEE002. (AJS Dec 3 2018)
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 287 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: K1084

Site #:	K1084			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.98			Crossing Name:	Unnamed
Project File ID #:	9968	Br.	01	Forest Service Road:	MAHOOD-WEST MAINLINE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/22

Inspection Comment: Appears to have more than normal hair line cracks in girders and girders have been roughly handled at one time and are chipped up. If memory serves this site washed out at one time. Perhaps this condition is a result of rebuilding structure

2	Required	High	\$ 500	Fill in eroded fill low chain corners of the bridge
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Inspection 2007/09/18

Inspection Comment: Overall: The girders have many hairline cracks as well as chipped corners. The girders on the outside have cracks that cross the bottom and run up the side of the girder. None were noted crossing the top but the top is worn and dirty. One shear connection's weld is cracked.. Region: GMc Dec 4/07.

2	Required	Medium	\$ 0	Approach: Add rip rap and fill. Eroded at the low chain corners of the bridge. There is no riprap to retain the fill.
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Inspection 2016/09/22

Inspection Comment: Appears to have more than normal hair line cracks in girders and girders have been roughly handled at one time and are chipped up. If memory serves this site washed out at one time. Perhaps this condition is a result of rebuilding structure

1	Complete	High	\$ 300	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
3	Complete	Medium	\$ 400	Intall bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2013/07/11

Inspection Comment: user Km = 1

1	Complete	High	\$ 1,000	Bridge ahead signs. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
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Inspection 2007/09/18

Inspection Comment: Overall: The girders have many hairline cracks as well as chipped corners. The girders on the outside have cracks that cross the bottom and run up the side of the girder. None were noted crossing the top but the top is worn and dirty. One shear connection's weld is cracked.. Region: GMc Dec 4/07.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 288 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Overall: The girders have many hairline cracks as well as chipped corners. The girders on the outside have cracks that cross the bottom and run up the side of the girder. None were noted crossing the top but the top is worn and dirty. One shear connection's weld is cracked.. Region: GMc Dec 4/07.

1	Complete	Medium	\$ 0	Deck: Requires 4-16' 10x10" curb timbers and 10-32" and 10-24" riser blocks
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Inspection 2004/10/16

Inspection Comment:

1	Complete	Medium	\$ 2,200	Deck: Requires: 4-18' 10x10" curb timbers and 10- 24" riser blocks.
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Structure #: K1085

Site #:	K1085	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	2.92	Crossing Name:	Unnamed
Project File ID #:	9968	Br.	01
Forest Service Road:	MAHOOD-WEST MAINLINE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Complete	High	\$ 6,000	PB Dec06.2017 Repair damaged concrete deck panel at mid-span deck joint with traffic patch coarse as per Ministry standards. Seal deck joint with Paraseal following concrete repair. Work completed by Pakaist Construction Ltd. for BCTS. (AJS Dec 20 2018)

Inspection 2018/06/24

Inspection Comment: Structure in good condition.

1	Complete	High	\$ 1,500	Fill the deck joints fith approved by the Ministry trafic patch product. Rapared damaged concrete at mid span with approved product. Work completed by Pakaist Construction Ltd. for BCTS. (AJS Dec 20 2018)
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Inspection 2017/09/04

Inspection Comment: Bridge has not been replaced at this point, scheduled for replacement in 2017. none of the reommended repairs have been done.
The downstream pipe was measured @ 124 mm. out of perpendicular with a 4' level

1	Complete	High	\$ 45,000	Comments indicate bridge is to be replaced this year PB Dec06.2017 Structure relocated and re-installed 3m upstream with all new foundation materials and ballast walls. Existing steel girders and concrete deck panels re-installed with all new timber railing system. Risers and mounting blocks treated.
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Inspection 2016/09/22

Inspection Comment: This structure is still posted at 20 tonnes and its condition appears stable from last inspection. continue to monitor

1	Complete	High	\$ 2,000	
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Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 289 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Impact damage at the downstream side #2 end, 1-14' and 1-10' curb timber have extensive rot and should be replaced, as well as 10 riser blocks. Some are newer PB Dec06.2017 Structure relocated and re-installed 3m upstream with all new foundation materials and ballast walls. Existing steel girders and concrete deck panels re-installed with all new timber railing system. Risers and mounting blocks treated.
3	Complete	Low	\$ 200	Fill erosion at the downstream high chain corner PB Dec06.2017 Structure relocated and re-installed 3m upstream with all new foundation materials and ballast walls. Existing steel girders and concrete deck panels re-installed with all new timber railing system. Risers and mounting blocks treated.
2	Complete	Medium	\$ 300	Reseal deck joints PB Dec06.2017 Structure relocated and re-installed 3m upstream with all new foundation materials and ballast walls. Existing steel girders and concrete deck panels re-installed with all new timber railing system. Risers and mounting blocks treated.

Inspection 2015/03/14

Inspection Comment: The bridge ahead signs have been install and also carry the load rating signs, 20 tonnes.

1	Complete	High	\$ 2,000	Impact damage at the downstream side #2 end, 1-14' and 1-10' curb timber have extensive rot and should be replaced, as well as 10 riser blocks PB Dec06.2017 Structure relocated and re-installed 3m upstream with all new foundation materials and ballast walls. Existing steel girders and concrete deck panels re-installed with all new timber railing system. Risers and mounting blocks treated.
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Inspection 2012/08/06

Inspection Comment: REVIEW PREVIOUS PHOTOS OF RIGHT ABUTMENT, RISER DOES NOT APPEAR VERTICAL AND BACK OF BEARING PLATE IS OPENING.
 PB Jan 16,2013 Abutment condition appears stable but should be monitored. Scheduled for professional inspection in 2013.

2	Complete	High	\$ 1	Add 2 bridge ahead signs
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Structure #: K1086

Site #:	K1086	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	2.96	Crossing Name:	Unnamed
Project File ID #:	9968	Br.	01
		Forest Service Road:	MAHOOD-WEST MAINLINE

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2007/09/18				
Inspection Comment:				
1	Required	Medium	\$ 0	Abutment: Monitor sills. The high chain sill has a lean toward the approach which does not align with bridge grade, the low chain is leaning toward the creek to a lesser degree.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 290 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2016/09/22

1	Complete	High	\$ 2,500	Replace upstream curbs and risers as well as on section on the downstream side. Materials require: 2-18', 1-10' of 10x10" curb timber 384 BF 6-2' and 6-3' riser blocks 250 BF Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
3	Complete	High	\$ 300	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 450	Instyall 2 bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2013/07/11

Inspection Comment: 1 delineator installed. Underside of slab appears to have small stress fractures, monitor with next inspection.

3	Complete	High	\$ 1,000	bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
1	Complete	Low	\$ 1,000	Tighten u/s rails Up stream rails replaced in 2017 (AJS Dec 3 2018)

Structure #: K1095

Site #:	K1095	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	5.19	Crossing Name:	Unnamed
Project File ID #:	9968	Br.	01
Forest Service Road:	MAHOOD-WEST MAINLINE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2017/09/04				
Inspection Comment: Recent repair one curb section replaced and riser blocks. The remaining have a limited life				
2	Required	Low	\$ 200	Install the right bank bridge ahead sign
3	Required	Low	\$ 150	Clean flanges

Inspection 2002/08/26

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor rip rap and fill.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 291 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2011/08/11

Inspection Comment:

2	Complete	Medium	\$ 0	Place small amount of fill behind ballast wall on both downstream sides Completed by BCTS under contract EN17TEE008. (AJS Jan 7 2019)
1	Complete	Medium	\$ 0	Replce five foot section of guardrail and three riser blocks on right bank downstream side Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2017/09/04

Inspection Comment: Recent repair one curb section replaced and riser blocks. The remaining have a limited life

1	Complete	High	\$ 500	Fill sink hole and rip rap at the left bank downstream corner Work completed by Borrow Contracting under contract EN18TEE005. As Per Longfellow's Completion report. (AJS Dec 18, 2018)
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Structure #: K1181

Site #:	K1181		Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	6.98		Crossing Name:	Unnamed
Project File ID #:	9968	Br.	01	Forest Service Road: MAHOOD-WEST MAINLINE

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2002/08/26

Inspection Comment:

1	Required	Medium	\$ 0	Abutment: Monitor block wall.
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Inspection 2017/09/04

Inspection Comment: The curbs and risers are just marginal, consider replacement

1	Complete	High	\$ 4,500	The curbs and risers are just marginal, consider replacement. Materials required: 700 BF of 10x10" curb timber 4 - 16' 4 -10" and 4-8' 666 Bf of riser blocks 16-3' and 16-2' blocks Guardrails replaced by BCTS contractor KDC under contract EN19TEE004. AJS Dec. 18 2018
2	Complete	Medium	\$ 250	Fill sink hole at the left approach downstream side Completed by BCTS under contract EN17TEE008. (AJS Jan 7 2019)

Inspection 2014/07/08



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 292 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection Comment: The wing wall lock blocks are indeed leaning forward - but it is not a critical issue. Structure is in good condition.

1	Complete	Low	\$ 500	Consider installing bridge ahead signs. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Low	\$ 2,000	Consider installing 4 fenders. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Structure #: K1425

Site #:	K1425	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	13.19	Crossing Name:	Unnamed
Project File ID #:	9968	Br.	01
Forest Service Road:	MAHOOD-WEST MAINLINE		

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/22				
2	Complete	Medium	\$ 300	Tighten curbs Replaced guardrails under contract EN19TEE004. (AJS Dec 18 2018)
1	Complete	Medium	\$ 500	Install both bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
3	Complete	Medium	\$ 250	Brush out bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
Inspection 2013/07/11				
Inspection Comment: structure sound.				
1	Complete	High	\$ 1,000	bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
Inspection 2010/08/17				
Inspection Comment: Overall structure is in good repair. PB Mar09/11. Structure is non-composite, grout repairs not required.				
2	Complete	Low	\$ 5,000	brush out approach. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Structure #: K1424

Site #:	K1424	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	1.07	Crossing Name:	Aqua Cr



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 293 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Project File ID #:	9968	Br.	02	Forest Service Road:	MAHOOD-AQUA
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REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2007/09/18

Inspection Comment:

1	Required	Medium	\$ 0	SuperStructure: Clean dirt from flanges.
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Inspection 2016/09/22

Inspection Comment: Bridge has tow tags, K1352 on the upstream and k1424 on the downstream. The deck panels are bolted to the girders

1	Complete	Medium	\$ 300	Brush out the bridge Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	Medium	\$ 400	Install bridge ahead signs Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Inspection 2013/07/11

Inspection Comment: no issues with abutment noted

1	Complete	High	\$ 300	Brushout the structure with start of industrial activity Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)
2	Complete	High	\$ 1,000	bridge ahead signs. Completed by BCTS under contract EN18TEE002 (AJS Dec 3 2018)

Structure #: K1423A

Site #:	K1423	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	6.70	Crossing Name:	Aqua Cr
Project File ID #:	9968	Br.	02
Forest Service Road:	MAHOOD-AQUA		

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2015/08/14

Inspection Comment:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 294 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

None of the suggested repairs from previous inspections have been done on this bridge, it is still posted @ 2 tonnes. This structure would likely be classed as Log bridge for the form to reflect the components better. The sills consist of a cabled bundle of 3 logs and are sound. The needle beam is only bearing on two stringers #11 and #15. It is cabled with 5/16 cable and not shimmed on the rest of the stringers (19)

1	Required	Low	\$ 400	Install bridge ahead signs
2	Required	Low	\$ 200	Install 4 delins

Inspection 2013/07/11

Inspection Comment: D/S corner of the bridge's sill is scouring due to over steepen fill. Stringers in poor condition continue with current load limit of L-5

PB Apr8,2014 Ensure posted to 2 tonnes. Structure should be considered for removal.

1	Required	High	\$ 80,000	replace structure prior to any industrial activity
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Inspection 2010/08/11

Inspection Comment: CBR structure and Site data updated. Is this structure a Wood/Box Log Culvert or a Log Stringer Bridge? Should be a bridge. Lashing is only 5/16" dia. wire rope. No support from needle beam due to no shims, not a one. PB Mar09/11. Spruce stringers are significantly undersized (380mm avg) for any kind of industrial hauling. Needle beam not performing as required and one sill is becoming undermined. Maintain load rating at 5 tonnes. Ensure structure is posted.

1	Required	High	\$ 1	Add 2 Bridge Ahead signs.
2	Required	High	\$ 1	Add 4 delineators; 2 left and 2 right.
3	Required	High	\$ 1	Add rip rap to right abutment and support to right abut outlet

Structure #: K1511

Site #:	K1511			Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:	0.15			Crossing Name:	Unknown
Project File ID #:	9968	Br.	11	Forest Service Road:	MAHOOD-MT MAHOOD BR

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2011/10/05

Inspection Comment:

1	Suggested	Medium	\$ 0	Fill in hole on deck and grade approaches
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 295 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: 5004

Site #:	5004			Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.48			Crossing Name:	Unknown
Project File ID #:	R10870	Br.	BR1883	Forest Service Road:	BR1883

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/18

Inspection Comment: The structure abutment is aging. Used unpeeled logs at the crib. The crib looks similar to the last inspection photos. The repairs are not completed from the past inspections. Deck and curb rail system in fair condition. 5T sign re-installed.

1	Required	High	\$ 50,000	Install new structure.
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Inspection 2017/07/29

Inspection Comment: Bridge condition relatively unchanged, limited access to right bank crib due to high water. Left bank downstream bearing is rotten and bridge is loaded abruptly as grade is very steep (18%) from the bush side. Some brushing on road suggests that this area may see some activity. Bridge should not be used for industrial haul. Posted at 5 tonnes this inspection. Recommend closure

1	Required	High	\$ 0	Recommend closure and rebuild
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Inspection 2016/09/15

Inspection Comment: The road to this structure is rapidly growing in. The bridge is posted @ 5 Tonnes. Bridge repair is likely not an option given the crib condition. Consider closure or removal. Steep high chain approach 18% and on a corner, expect heavy loading on the crib structure. Failing curbs a traffic hazard

1	Required	High	\$ 25,000	Do not recommend repair, remove or close
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Inspection 2015/08/19

Inspection Comment: The #2 crib is rotten and precariously perched on large round rip rap. The #1 has high rot values but not as bad as #2 it does however take heavy loading with a grade of 18% onto the bridge. Consider removal, only repairs noted was removal

1	Required	High	\$ 25,000	Remove bridge
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Inspection 2014/08/02

Inspection Comment: Crib condition is as follows - up to 5cm external rot in top crib log on left downstream side. up to 10cm of rot on second log on left upstream side. The rest of the crib logs have less than that amount of rot but have lots of insect damage. Due to the heaviest rot being directly below the bearing location on left side the crib should be replaced prior to active use.
 Tie condition is as follows. Cross ties were broken due to guardrail striking, not rot. (they are on right side), but high flows make looking for broken ties in centre of span difficult. Rot is not an issue on ties. Ties that can be reached showed only up to a few cm of rot on the outside. Conclusion is ties are in fair condition. However the sub deck is starting to show conk but is solid.
 Delineators were remounted with new lag bolts and a heavy washer (by inspector) as per previous inspection.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 296 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

However nothing else has been done to this structure. Ties not replaced, bridge signs not installed, rip rap not installed, crib not replaced, sediment not cleared off, log fill retention wall not replaced, and brushing not completed.

Structure is in poor condition due to all these repair items not being completed. 5 ton posted as per previous inspection.

PB Jan 5, 2015 Continue with annual inspections. Maintain 5 tonne posting.

1	Required	Low	\$ 2,000	Consider installing fenders prior to active use. Maybe use the old crib logs when crib is replaced.
2	Required	Low	\$ 300	Tighten deck bolts on camp side.

Inspection 2013/09/17

Inspection Comment: Walk-in 200m due to fallen tree across road.
 Inspect cribs prior to industrial use.
 Delineators remounted.

PB Mar 26, 2014 Structure downrated to 5 tonnes due to rotten log crib abutments, broken cross ties and abutment scour. Structure should be posted to 5 tonnes when accessible or the site deactivated.

3	Required	Low	\$ 1	Brush approaches
4	Required	Low	\$ 4,000	Replace two broken cross-ties
5	Required	Low	\$ 1,000	add bridge ahead signs
15	Required	Low	\$ 15,000	replace log abutments

Inspection 2012/10/12

Inspection Comment: PB Jan 14, 2013 Monitor condition of log cribs. Annual inspection. Estimated to be downrated in 2015 due to crib rot.

1	Required	High	\$ 1	remount delineators with large washers and lag bolts
2	Required	Medium	\$ 1	add 2 bridge ahead signs

Inspection 2010/07/16

Inspection Comment: Overall structure appears good, but high water flows will affect abutments and erosion of road materials onto bridge deck could be alleviated by installing cattle guards a few meters from either end with a trough to move water and sediment away to the bridge deck and abutments. Good for 3-5 years.

2	Required	High	\$ 5,000	Place right prap upstream of abutment where bank erosion's occurring.
1	Required	Medium	\$ 5,000	Clean sediment off bridge deck replace rotting and worn running planks



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 297 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Structure #: 5006

Site #:	5006		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.07		Crossing Name:	
Project File ID #:	R10870	Br.	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
6	Suggested	High	\$ 6,000	PB Jan29,2015 Replace all timber components.

Inspection 2014/03/02

Inspection Comment: Bearing pads have not been replaced, bridge ahead signs have not been installed, brushing has not been completed, gravel has not been removed from deck (but it is a non issue) and rough sinkhole approach on woods side has not been filled as per previous inspections. All delineators have been replaced. Bearing pads are very compressed but are not touching steel on steel. Structure is in otherwise fair condition.
 PB Jan29,2015 Requires all new timber components. Site info is set to "do not inspect". Tenure to be confirmed.

Repair #	Status	Priority	Estimate	Description
1	Required	Low	\$ 2,000	Consider installing 4 fenders prior to active use.

Inspection 2011/10/24

Inspection Comment: bearing pads are worn, left abutment upstream side and right abutment downstream side, girder pads are touching tops of pile caps; replace all four prior to industrial use.

Repair #	Status	Priority	Estimate	Description
1	Required	High	\$ 1	replace all 4 bearing pads prior to industrial use.
2	Required	High	\$ 1	add 2 bridge ahead signs
4	Required	High	\$ 1	add delineators, 2 right abutment and 21 on left abutment
5	Required	High	\$ 1	brush out approaches and alongside structure
3	Required	Medium	\$ 1	clean gravel and moss cover from deck

Inspection 2008/11/19

Inspection Comment:

Repair #	Status	Priority	Estimate	Description
1	Required	Low	\$ 200	Fill small sinkhole @ the high chain.

Structure #: K1508

Site #: K1508 Primary User Name: SIMPCW DEVELOPMENT CO. LTD.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 298 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:	7.50			Crossing Name:	Unknown
Project File ID #:	R11928	Br.	NT63.00	Forest Service Road:	NT63.00

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2011/07/26

Inspection Comment: closed signs placed at either end, remove / barricade as soon as possible
 PB Mar7.2012 Structure should be barricaded or removed.

1	Suggested	High	\$ 10,000	remove or barricade
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Inspection 2010/08/10

Inspection Comment: Structure should be closed until a load rating is completed and repairs can be done. Structure type is a cross between a log stringer bridge and wooden/log culvert.
 1. Curbs are rotten
 2. gravel surface is being washed away from deck.
 PB Mar 10/11. Stringers are undersized for industrial haul. Structure is in fair to poor condition. Post to 5 tonnes if approaches can handle pickup traffic safely; otherwise post as CLOSED.

1	Suggested	High	\$ 1	replace curb logs and lash properly
2	Suggested	High	\$ 1	replace/repair gravel surfacing over structure.
3	Suggested	High	\$ 1	remove small slope failure on left approach so ditchwater is diverted from the approach.

Structure #: 5005

Site #:	5005			Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.66			Crossing Name:	Unknown
Project File ID #:	R14708	Br.	1875	Forest Service Road:	1875

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/18

Inspection Comment: The repairs are not completed from the past inspections. The curb rail system is in very poor condition. Starting to fall to the creek. This is a traffic and safety hazard. The bridge Closed sign at low chain was installed.

1	Required	High	\$ 3,000	Replace curb rail system.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 299 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	High	\$ 300	Brush approaches.
3	Required	High	\$ 600	Install bridge ahead signs.

Inspection 2017/07/29

Inspection Comment: This structure is in close proximity to 5003, the GPS coordinates are 11U 0361291 5791122. The curbs and brushing have not been done, curbs are failing, see photo Recommend closure if not repaired

1	Required	High	\$ 4,200	Traffic hazard Replace curbs and risers, materials required: 741.6 Bf of 10x10" curb timber. 4-14' 2-16.5' 2-10' 16-2' and 16-3' Riser blocks 666.6 Bf
2	Required	High	\$ 300	Brush out bridge

Inspection 2016/09/15

Inspection Comment: The GPS for this structure is 11 U 0361291 5791158 The curbs are completely rotten and have failed, creating a traffic hazard, replace or close

1	Required	High	\$ 3,500	Replace curbs and risers, materials required: 741.6 Bf of 10x10" curb timber. 4-14' 2-16.5' 2-10' 16-2' and 16-3' Riser blocks 666.6 Bf
2	Required	High	\$ 350	Brush out bridge

Inspection 2015/08/19

Inspection Comment: None of the suggested repairs have been done, the curbs have failed.

1	Required	High	\$ 3,500	Replace curbs and risers, materials required: 741.6 Bf of 10x10" curb timber. 4-14' 2-16.5' 2-10' 16-2' and 16-3' Riser blocks 666.6 Bf
4	Required	High	\$ 350	Brush out bridge
2	Required	Low	\$ 350	Install bridge ahead signs
3	Required	Medium	\$ 100	Install 2 delins

Inspection 2014/08/02

Inspection Comment: Guardrail has not been replaced as per previous inspection. Bridge ahead signs have not been installed. Delineators have been installed except one right which cannot fit on the broken guardrail. Gravel on deck is minor but should be removed at same time as new guards to prevent rot. Structure is in fair condition. PB Dec29,2014 Requires replacement of all timber components and requires additional approach fill adjacent to ballast walls.

1	Required	Low	\$ 2,000	Consider installing 4 fenders prior to active use.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 300 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Inspection 2011/10/24

Inspection Comment:

1	Required	High	\$ 1	replace mounting blocks, risers and guardrails prior to industrial use.
2	Required	High	\$ 1	add 2 bridge ahead signs
3	Required	High	\$ 1	add delineators, 2 right abutment, 1 left abutment
4	Required	Medium	\$ 1	clean accumulated gravels from deck

Inspection 2008/11/19

Inspection Comment:

1	Required	High	\$ 3,000	Some impact at the high chain downstream side. loose nuts and rotten risers. High rot values in curbs. Will not make next inspection. Requires: 4-14' 2-16' and 2-10' curbs and 16-32" and 16-36" riser blocks
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Structure #: 5003

Site #:	5003	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.09	Crossing Name:	Bone Creek
Project File ID #:	R14708	Br.	1880
		Forest Service Road:	1880

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2012/10/20

Inspection Comment: Unable to take level shots with 1 person. This would require a 2 person crew or close proximity inspection. Level shots also require a permanent benchmark as an elevational reference. PB Jan 15, 2013. See curb and riser repairs. Rescheduled for 2013 for level shots.

1	Suggested	High	\$ 1	add 2 bridge ahead signs
2	Suggested	High	\$ 1	replace guardrails and risers prior to industrial use.
3	Suggested	High	\$ 1	add delineators 2 left and 2 right

Inspection 2011/10/24

Inspection Comment: structure will be resting on piles soon, left abutment and right abutment on the downstream side are 1mm to 2mm from full compression. Also, structure appears to be listing downward to the downstream side. PB Feb10,2012 Monitor structure for differential settlement.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 301 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

structure will be resting on piles soon, left abutment and right abutment on the downstream side are 1mm to 2mm from full compression. Also, structure appears to be listing downward to the downstream side.
 PB Feb10,2012 Monitor structure for differential settlement.

2	Suggested	High	\$ 1	replace 1 riser and rail on low chain d/s side.
3	Suggested	High	\$ 1	add 2 bridge ahead signs
4	Suggested	High	\$ 1	add 1 delineator on left abutment

Structure #: K826

Site #:	K826		Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:	0.20		Crossing Name:	Bone Cr
Project File ID #:	R14708	Br.	BONECR	Forest Service Road: BONECREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/06/18

Inspection Comment: The repairs are not completed from the last inspection. The curb rail system starting falling to the creek. This is UNSAFE to upcoming traffic. Bridge Closed sign installed at the low chain side. Consider installing no-post barriers.

1	Required	High	\$ 5,000	Replace all curb rail components.
2	Required	High	\$ 6,000	Install no-post barriers.
3	Required	High	\$ 600	Install bridge ahead signs.

Inspection 2017/07/29

Inspection Comment: Curbs and risers rotten and failing, traffic hazard. Consider concrete no post barriers.

1	Required	High	\$ 7,500	2 Curb sections are newer, the rest are rotten and failing. Materials required: 3-12' 5-20' and 1-14' 10x10 curb timbers. 1250 BF 24-2' and 24-3' Riser blocks 1000 BF
3	Required	High	\$ 1,000	Install concrete noposts
2	Required	Medium	\$ 300	Install bridge ahead signs

Inspection 2016/09/15

Inspection Comment: Safety hazard, the curbs and risers are rotten and failing.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 302 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	High	\$ 7,000	2 Curb sections are newer, the rest are rotten and failing. Materials required: 3-12' 5-20' and 1-14' 10x10 curb timbers. 1250 BF 24-2' and 24-3' Riser blocks 1000 BF
2	Required	High	\$ 500	Install 2 bridge ahead signs
3	Required	Medium	\$ 300	Brush out bridge

Inspection 2010/07/29

Inspection Comment: Trans Alta replaced damaged guardrails and risers on loaded approach, upstream side and brushed out for delineators. 11 plus years.

1	Required	High	\$ 5,000	replace riser blocks and guardrails.
2	Required	Medium	\$ 5,000	requires 2 bridge ahead signs.

Inspection 2007/09/26

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Impact damage at the high chain upstream corner. Probably unable to resist impact and should receive attention. The rest of the curbs and risers have extensive rot and may last 1-2 years.
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Inspection 2004/09/01

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Monitor the bent over curb.
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Inspection 2001/03/01

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Requires curb repair (see photo), 2 curb sections 6' and 11' 10x10". 3 one inch bolts for the riser to deck connection. 2 of the bolts are broken off inside the deck panel.
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Inspection 1995/09/27

Inspection Comment: Overall: New road, approaches not complete. Low chain approach needs more fill..

1	Required	Medium	\$ 0	Deck: Tighten curbs.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 303 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Required	Medium	\$ 0	Approach: Finnish approach work.
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Structure #: K022

Site #:	K022		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.30		Crossing Name:	North Blue
Project File ID #:	R15234	Br.	2105	Forest Service Road: SOUTH FORK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2016/09/16

Inspection Comment: For industrial haul replace running planks. No repairs done. Only one bearing is pinned to lock block, upstream #1

1	Required	High	\$ 3,000	For industrial haul replace running strips 2 strips each 50"wide with 3" planks 2000 BF
2	Required	Medium	\$ 300	Brush out bridge
3	Required	Medium	\$ 400	Install bridge ahead signs
4	Required	Medium	\$ 2,000	Drill and pin three bearing points
5	Required	Medium	\$ 300	Clean bridge

Inspection 2015/08/15

Inspection Comment: None of the suggested repairs have been done. The bridge is pinned to the lock block @ #1 abutment upstream side. The girders are also lagged to the ballast wall.

4	Required	High	\$ 3,000	For industrial haul replace running strips 2 strips each 50"wide with 3" planks 2000 BF
5	Required	High	\$ 400	Clean bridge
1	Required	Medium	\$ 2,500	Region has recommended pinning the other three bearing pads
2	Required	Medium	\$ 500	Brush out bridge and surrounding area to provide access to channel
3	Required	Medium	\$ 300	Install bridge ahead signs

Inspection 2014/08/03

Inspection Comment: Abutment is four individual lock blocks. Erosion out of abutment fills is ongoing on right upstream side but not yet critical. Bridge ahead signs have not been installed. Brushing has not been completed (but its not critical), the bearings have not been pinned to the lock blocks, rocks have not been placed on wingwalls to prevent erosion, the deck plank has not been spiked back into position, and the abutments do not appear to have moved as per



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 304 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

previous inspections. The structure is in fair condition.

PB Jan28,2015 Girders required to be pinned to lock block foundation.

4	Required	High	\$ 500	PB Jan28,2015 Girders required to be pinned to lock block foundation.
1	Required	Low	\$ 2,000	Consider 4 fenders prior to active use.

Inspection 2012/09/15

Inspection Comment: NO ISSUES

1	Required	High	\$ 1	Add bridge ahead signs.
2	Required	Low	\$ 1	Brush approaches.

Inspection 2009/10/27

Inspection Comment: Span length: approx 23.9m

2	Required	High	\$ 1	Only 1 bearing is pinned to the lock block, a large hammer drill for holes and appropriate pin material required.
1	Required	Medium	\$ 1	Minor road erosion at bridge corners, due to the gap between the wingwall and the crib logs, place appropriate rocks to build road surface width back to deck width.

Inspection 2003/09/24

Inspection Comment:

1	Required	Medium	\$ 0	Deck: Respike loose plank.
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Structure #: K1463

Site #:	K1463		Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	1.40		Crossing Name:	Unknown
Project File ID #:	R17906	Br.	3202.00	Forest Service Road: STILLWATER CREEK

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/04

Inspection Comment: Only identifier is "Western Concrete". Guradrails have been replaced since previous inspection. Brushing has not been completed. Structure is in good condition.

PB Jan 29,2015 Road tenure to be confirmed. This is identified as an RP road and is set to "do not inspect".



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 305 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Required	Low	\$ 2,000	Consider installing 4 fenders prior to actice use.
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Inspection 2011/03/10

Inspection Comment:

PB Mar6.2012 Structure is on RP road to be turned back to licencee

1	Required	Medium	\$ 0	Rplace guardrails and risers mostly rotten, functioning but need replacement
2	Required	Medium	\$ 0	Brushing around delineators and repair upstream right bank one

Structure #: 5001

Site #:	5001	Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.	
KM:	1.29	Crossing Name:	Manteau Creek	
Project File ID #:	R18692	Br.	800	Forest Service Road: MANTEAU

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2013/09/17

Inspection Comment: No major concerns

3	Required	Low	\$ 1,000	add bridge ahead signs
4	Required	Low	\$ 1,000	brush road
5	Required	Low	\$ 1,000	replace riser bolts on 1 section of guard rail, 4 complete bolts required.

Inspection 2011/10/20

Inspection Comment: abutment configuration, temp/perm satatus, crossing name etc... corrected by Ed Folk, Onsite Engineering, Nov 2011

1	Required	High	\$ 1	add 1 delineator L abut
2	Required	High	\$ 1	replace guardrails and risers prior to industrial use

Structure #: K1060



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 306 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Site #:	K1060			Primary User Name:	GILBERT SMITH FOREST PRODUCTS LTD.
KM:	4.38			Crossing Name:	Canvas Cr
Project File ID #:	R18692	Br.	800	Forest Service Road:	MANTEAU

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2011/10/20

Inspection Comment: ***structure should be a log stringer bridge and load rated if not replaced; 0.5m gravel surface, log curbs are rotted. See attached as-built drawing. Mazrk Taylor said logging may occur over this structure this winter.***
 PB Feb15,2012 Maintain load rating at 45 tonnes. Spruce stringers are now 7 yrs old, rot noted in 2011 inspection, sill bearing unclear. Requires professional inspection prior to industrial haul.

1	Required	High	\$ 1	replace structure prior to industrial use; dependent on losd rating
2	Required	High	\$ 1	brush out approaches

Inspection 1999/09/14

Inspection Comment: Overall: There is no record of inspection prior to this inspection. This bridge is in very poor condition and replacement of structure should be considered.. Region: Region noted inspection concerns rp01. Stringer: Stringers are very rotten, particularly at bearing..

1	Required	Medium	\$ 0	Deck: Install and secure a downstream curb.
2	Required	Medium	\$ 0	Approach: Brush out around bridge.

Structure #: K1456

Site #:	K1456			Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.10			Crossing Name:	Tum Tum Creek
Project File ID #:		Br.		Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2010/08/17

Inspection Comment: Overall structure is in good repair.
 PB Mar09/11. Lag cross ties to girder upper flange.

2	Suggested	High	\$ 500	PB Mar09/11. Lag cross ties to girder upper flange.
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BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 307 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

1	Suggested	Low	\$ 5,000	Replace ballastwall with permanent materials.
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Inspection 2008/09/13

Inspection Comment: Form not correct for bridge components.
 GMc Apr6/09 changed to timber deck on lock blocks

1	Suggested	Medium	\$ 1,000	Requires 1 curb section 12' and 1-24"x10"x10" riser block
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Structure #: PS-003

Site #:	K1711	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	0.40	Crossing Name:	Unnamed
Project File ID #:	Br.	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2018/07/23

Inspection Comment: The retaining wall at RB-US corner failed. Consider removing the old lock block foundation from the creek and replace with the natural rock formation. RB old lock block foundation is leaning toward the creek.

1	Required	High	\$ 2,500	RB-US corner - reinstall lock blocks retaining wall following appropriate PEng design requirements and supervision.
2	Required	High	\$ 4,500	Consider removing the old lock block foundation sitting in the creek and stabilize the ground with natural rock formation.

Structure #: K1459

Site #:	K1459	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	1.50	Crossing Name:	Unknown
Project File ID #:	Br.	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/10/08

Inspection Comment: Guardrails appear to have been replaced since last inspection.
 PB Jan 29,2015 Structure is on RP road to be turned back to licensee

2	Required	Low	\$ 500	Install bridge ahead signs
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Inspection 2011/08/10

Inspection Comment:



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 308 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

PB Mar6.2012 Structure is on RP road to be turned back to licensee

1	Required	Medium	\$ 0	Replace Blocks and Guardrails on both sides
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Structure #: K1462

Site #:	K1462	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	1.90	Crossing Name:	Unknown
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2011/03/10				
Inspection Comment: PB Mar6.2012 Structure is on private road to be turned back to licensee/landowner				
1	Suggested	Medium	\$ 0	Rplace delineters and brush out around them
2	Suggested	Medium	\$ 0	Rplace guardrails and riser blocks

Inspection 2008/09/14

Inspection Comment:				
1	Suggested	High	\$ 3,500	Requires one 16'x10"x10" curb and risers. Consider replacing all as condition is borderline. 4-16' 6" and 2-14' as well as 14-32" and 14-36" riser blocks

Structure #: K1461

Site #:	K1461	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	4.50	Crossing Name:	Unknown
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2011/03/10				
Inspection Comment: PB Mar6.2012 Structure is on RP road to be turned back to licensee				
1	Suggested	Medium	\$ 0	



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 309 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

				Replace block risers and guardrails
2	Suggested	Medium	\$ 0	Place small amount of fill at each approach behind concrete girders to avoid damage to girders
Inspection 2008/09/14				
Inspection Comment: This structure is a Western concrete design not a Temp, CBR should be updated. Girders are in good condition.				
1	Suggested	High	\$ 3,000	Requires curbs and risers: 2-18', 2-10' 10"x10" curbs and 4-32" and 4-36" riser blocks

Structure #: K1468

Site #:	K1468	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	6.60	Crossing Name:	Axel Creek
Project File ID #:	Br.	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2014/10/08				
Inspection Comment: Concrete slab girders not visible from top due to gravel deck Not on an FSR. Located on a road permit issued to Wells Gray Community Forest Corp. MRF 01/2013				
2	Required	High	\$ 2,000	Replace blocks, risers, and guard rails. 8 blocks and 8 risers. Guard rails 2 x 14'-10" end and 2 x 8'-9" end. Hardware ok.
1	Required	Low	\$ 300	Brush and install bridge ahead signs

Structure #: K1454

Site #:	K1454	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:	24.40	Crossing Name:	Shannon 5
Project File ID #:	Br.	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2011/10/23				
Inspection Comment: structure data taken and cbr updated. EF-Onsite-2011.				
1	Suggested	High	\$ 1	add 2 bridge ahead signs



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 310 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

2	Suggested	High	\$ 1	add 1 delineator on left abutment
3	Suggested	High	\$ 1	grade deck
4	Suggested	High	\$ 1	replace guardrails and risers prior to industrial use

Structure #: 5010A

Site #:	STORE 9	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:		Crossing Name:	Clearwater
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2014/08/03

Inspection Comment: The downstream left abutment is bending lightly but has not broken. 5 ton load rating posted. No critical issues with abutment fills. Bridge ahead signs and lock blocks have not being installed as per previous inspection. Structure is in fair condition and needs very little work to be used in active service again. The 2012 monitor is a double and can be removed.

PB Jan26,2015 Structure replaced in Oct 2014 with concrete slab structure.

1	Suggested	Low	\$ 2,000	consider adding 4 fenders prior to active use. Bridge replaced in October of 2014, including fenders. Possibly move fenders to allow more room for trucks to pass. (AJS Dec 3 2018)
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Structure #: K041

Site #:	STORE 9	Primary User Name:	WEST FRASER MILLS LTD.
KM:		Crossing Name:	Clearwater
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2012/09/16

Inspection Comment: FOOTINGS STILL UNDERMINED. RECOMMEND EITHER INSTALL A LONGER BRIDGE OR REMOVE AND USE LONGER COLUMNS, SPREAD FOOTINGS ARE BOLTED. IF FISH STREAM THERE WILL BE IN-STREAM WORK TO PROTECT FOOTINGS AND FILL WITH RIPRAP.
 PB Jan 15, 2013 Monitor footings for undermining and settlement. Less than 50% bearing on HC. Post to 5 tonnes

1	Suggested	High	\$ 1	As before, remove and re-build entire structure. Existing abutments are unlikely to be able to be reused here as they are too short. See inspection comments
2	Suggested	High	\$ 1	Add bridge ahead signs.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 311 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Suggested	Low	\$ 1	Brush Approaches.
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Inspection 2011/10/21

Inspection Comment:

PB Feb13, 2012 Monitor HC upstream footing for undermining and settlement. Less than 50% bearing. Post to 5 tonnes in 2012.

1	Suggested	High	\$ 1	add 2 bridge ahead signs
2	Suggested	High	\$ 1	add delineators, 2 right abut, 1 left abut
3	Suggested	Medium	\$ 1	add gravel to deck
4	Suggested	Medium	\$ 1	brush out approaches and road right of way.

Structure #: K1457

Site #:	K1457	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:		Crossing Name:	Angel Cr
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2011/08/10

Inspection Comment:

PB Mar6.2012 Structure is on RP road to be turned back to licensee

1	Suggested	Medium	\$ 0	Replace guardrails they functioning but are cracking
2	Suggested	Medium	\$ 0	Brushing around delineators

Structure #: K041

Site #:	STORE 9	Primary User Name:	WEST FRASER MILLS LTD.
KM:		Crossing Name:	Clearwater
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2008/09/12

Inspection Comment:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 312 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

the structure was posted at this inspection 5 tonnes. The erosion appears to have worsened. Of the 1.4 m footing 1.0m is exposed

1	Suggested	High	\$ 6,000	Shore up eroded footing. The scouring of the footing has not been rectified, erosion continues. failure is likely if any further erosion occurs.
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Inspection 2005/10/09

Inspection Comment: Overall: The eroded footing does not appear to have deteriorated significantly from last inspection. Continue to monitor if not repaired. The footings were not placed low enough or protected with well placed rip rap. The low chain downstream has been exposed by erosion.. Region: GMC Dec 5/05 Repair Eroded footing.

1	Suggested	Medium	\$ 0	Abutment: Continue to monitor eroded footing.
2	Suggested	Medium	\$ 0	Hazard: Monitor erosion of footings.

Inspection 2004/09/02

Inspection Comment: Overall: The low chain footing has been eroded (see photo). Region: Mar15/05 Gmc. Low chain footing base material should be replaced and the footing be rearmoured. Consider protecting from further erosion with a gabion or 2.

1	Suggested	Medium	\$ 0	Abutment: Monitor if not rip rapped.
2	Suggested	Medium	\$ 0	Hazard: Monitor or repair exposed footing.

Inspection 2001/08/02

Inspection Comment:

1	Suggested	Medium	\$ 0	Deck: Both approaches are damaged and require repair. The low chain upstream and the high chain downstream curbs are broken. 2- (11'x10x10") and 2 bolts
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Inspection 1998/09/18

Inspection Comment: Overall: Requires curb repairs..

1	Suggested	Medium	\$ 0	Deck: Requires 2 curb timbers, (3.2 m. x 250x250 mm.) Use damaged curb for new risers as required.
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Structure #: K691

Site #:	STORE 9	Primary User Name:	CANADIAN FOREST PRODUCTS LTD.
KM:		Crossing Name:	Clearwater
Project File ID #:		Br.	Forest Service Road:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 313 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2016/09/24				
Inspection Comment: The deck grout is good on the top but when measured from below up to 60 mm voids. Backer rod is pushed up in joints causing much of the lower joint without grout. Bridge ahead signs are in place				
1	Required	High	\$ 1,500	11 of the risers have high rot to the point of failing, see photo. 1- 12' section of curb is split and has high rot. Upper curbs and risers have been repaired in the past and likely no the lower blocks

Structure #: TKA010

Site #:	STORE 9	Primary User Name:	BC TIMBER SALES - HEADQUARTERS
KM:		Crossing Name:	Clearwater
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2015/09/03				
Inspection Comment: The road has been deactivated beyond bridge, full pull back. The girder is dapped into the sill log on two corners a lag is set into the sill at the flange edge, see photo. One corner is contained by the dapped sill the other corner is buried. The distance from the girder to rock is 175 mm, see photo Is this structure going to be removed?				
1	Required	Medium	\$ 150	Clean sills

Inspection 2014/08/04

Inspection Comment: Rock below girder (see last photo) is 10cm from girder and is in no danger of striking. Bearings are poorly pinned and not directly under the flanges on ends. Structure is in fair condition. PB Jan14,2015 See repairs. Girders required to be properly fixed to log sills using deck clips. Upper flange connections to deck modules require additional lag bolts. Bulkhead lag bolts missing. Dirt material to be removed from high chain bearing locations. Continue to monitor clearance to bedrock once structure is in use.				
1	Required	Low	\$ 2,000	Removed dirt from girders at abutments.
2	Required	Low	\$ 500	Consider installing bridge ahead signs.

Structure #: K691

Site #: STORE 9 Primary User Name: CANADIAN FOREST PRODUCTS LTD.

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 314 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:		Crossing Name:	Clearwater
Project File ID #:	Br.	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2013/07/11				
Inspection Comment:				
1	Required	High	\$ 1,000	Bridge ahead signs.

Structure #: 5010A				
Site #:	STORE 9	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)	
KM:		Crossing Name:	Clearwater	
Project File ID #:	Br.	Forest Service Road:		

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2012/10/15				
Inspection Comment: timber sill on right abutment on u/s side is being undermined through gradual erosion as is sill on left abutment on d/s side. PN Jan 15,2013 Maintain 5 tonne load rating.				
1	Required	High	\$ 1	add 2 bridge ahead signs
2	Required	High	\$ 1	use lock blocks for abutments if wanting to maintain this road and prior to industrial use

Structure #: K212				
Site #:	STORE 13	Primary User Name:	FEDERATED CO-OPERATIVES LIMITED	
KM:		Crossing Name:	Kamloops District office	
Project File ID #:	Br.	Forest Service Road:		

REPAIRS

Repair #	Status	Priority	Estimate	Description
Inspection 2012/09/20				
Inspection Comment: Although the bridge appears to be in fair condition, the Acrow Panel superstructure is 35 years old (assuming it was installed in 1977) and has likely exceeded its service life. Since Acrow Panel Bridges typically have a service life of approximately 25 years and are intended to be used as temporary bridges, we recommend that the Ministry replace the bridge (including substructure) within the next 5 years. As an interim measure, we recommend annual				



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 315 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

close proximity inspections if the bridge is part of an active haul route. In addition the timber deck requires replacement prior to the commencement of hauling.

1	Required	High	\$ 20,000	Replace all timber deck components.
2	Required	High	\$ 1,000	Install and replace delineators as required.
3	Required	Low	\$ 500	Clean debris from woods end bearings.

Inspection 2012/09/11

Inspection Comment: ACC panel bridge.

1	Required	Medium	\$ 0	Brushing, new delineators.
2	Required	Medium	\$ 800	install bridge ahead signs at either end of crossing. MC- Dec 5, 2012

Structure #: 62-039

Site #:	STORE 13	Primary User Name:	DISTRICT MANAGER KAMLOOPS (DKA)
KM:		Crossing Name:	Kamloops District office
Project File ID #:		Br.:	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2012/09/10

Inspection Comment: Although the bridge appears to be in fair condition, we observed signs (e.g. loose panel pins) that suggest that the Acrow Panel superstructure is nearing the end of its service life. Since Acrow Panel Bridges typically have a service life of approximately 25 years and are intended to be used as temporary bridges, we recommend that the Ministry replace the bridge (including substructure) within the next 5 years. As an interim measure, we recommend annual close proximity inspections if the bridge is part of an active haul route. This Structure is scheduled for replacement in September 2015

1	Required	High	\$ 9,500	Replace curb rail.
9	Required	Low	\$ 300	Debris accumulation from deck.
10	Required	Low	\$ 600	Brush approaches.
2	Required	Medium	\$ 0	Reinstall displaced panel pins and install missing safety clips as required. Associated cost is unknown.



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 316 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

3	Required	Medium	\$ 350	Replace missing panel reinforcing connection bolts in span 2 panel 9.
4	Required	Medium	\$ 1,300	Install missing transom bolts.
5	Required	Medium	\$ 1,600	Replace damaged sheathing planks on pier 2.
6	Required	Medium	\$ 2,200	Replace running planks as required.
7	Required	Medium	\$ 1,000	Install bridge ahead signs at both approaches.
8	Required	Medium	\$ 28,000	Schedule the structural planks and ties for replacement.

Inspection 2005/07/11

Inspection Comment: Overall: Okay.

1	Required	Medium	\$ 0	Deck: New decking required when hauling resumes.f
2	Required	Medium	\$ 0	Abutment: Sheathing on pier #1 L.C. Close proximity inspection due.

Inspection 2002/08/07

Inspection Comment: Overall: Ass.Eng. Close inspec - Apr/02.

1	Required	Medium	\$ 0	Deck: Will need decking soon
2	Required	Medium	\$ 0	Abutment: Metal nosing on pier #2 falling off.

Structure #: 5010A

Site #:	STORE 9	Primary User Name:	DISTRICT MANAGER HEADWATERS (DHW)
KM:		Crossing Name:	Clearwater
Project File ID #:		Br.	Forest Service Road:

REPAIRS

Repair #	Status	Priority	Estimate	Description
1	Complete	Medium	\$ 250	Replaced eight guard rail bolts sheared of by impact from low bed. Work done under contract EN18TEE002. (AJS Dec 3 2018)

Structure #: K212

Site #: STORE 13 Primary User Name: FEDERATED CO-OPERATIVES LIMITED

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 317 of 318
 Date Printed: 2019/04/02
 User Id: IDIR\GMOLYNEU
 Database: PROD
 Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

KM:		Crossing Name:	Kamloops District office
Project File ID #:	Br.	Forest Service Road:	

REPAIRS

Repair #	Status	Priority	Estimate	Description
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Inspection 2008/09/03

Inspection Comment:

1	Complete	Low	\$ 300	The high chain bearings have been buried again. clear bearings and redirect surface water from flowing onto the bridge
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Inspection 2001/08/21

Inspection Comment: Overall: The bridge is being hit quite hard at both approaches, low chain downstream and high chain upstream. Some new damage has been done. Should the bearings be cleaned at the sills? Would require 1-2 hours.. Region: I recommend that:
 - the bearings be cleaned off by hand
 - install planking across the entire deck to keep dirt off of the bridge components
 -install some sort of barrier at the bridge ends to prevent graders blades form damaging bridge. Piece of embedded piece of rail steel? or boulder

Gary McClelland, P.Eng.02.

1	Complete	Medium	\$ 0	Deck: Deck will require new plank sections or redeck soon. BG 2011 This repair previously completed estimate 2008.
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Inspection 1997/09/03

Inspection Comment: Overall: Some of the pins on the girder sections have missing keeper clips, the location were painted red..

1	Complete	Medium	\$ 0	SuperStructure: Replace missing pin clips. The locations have been painted red.
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Inspection 2004/08/13

Inspection Comment: Overall: The regions repair recommendations have not be completed.. Region: Gmc May 25/05.

1	Complete	Medium	\$ 0	Approach: Brush out
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Inspection 1997/09/03

Inspection Comment:

Corporate Bridge Register (CBR)



BC Ministry of Forests, Lands, and Natural Resource Operations

Repairs Summary Report

Page: 318 of 318

Date Printed: 2019/04/02

User Id: IDIR\GMOLYNEU

Database: PROD

Report Id: CBR005

Forest District: Thompson Rivers Natural Resource District Sort By: Project Number, Branch, KM (Asc), Completed Date (Desc)

Overall: Some of the pins on the girder sections have missing keeper clips, the location were painted red..

2	Complete	Medium	\$ 0	Approach: Brush out at the approaches. BL old repair, done.
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