

Canada/British Columbia Building Canada Fund

ANNUAL REPORT 2012/13

Fiscal Year Ended March 31, 2013

September 2013



Ministry of
Transportation
and Infrastructure



Transport
Canada

Transports
Canada

An annual progress report and appended audit is required under Section 9.1 and Appendix C (Reporting, Audit and Evaluation) of the CANADA – BRITISH COLUMBIA, BUILDING CANADA FUND Agreement. This report is used to provide the Management Committee with information regarding the status of projects and to formally track progress to date under the agreement. The report will also likely be translated and posted on Transport Canada's web site for public use.

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General Overview of Results

A general overview of the results accomplished under the Agreement during the fiscal year, including, but not limited to, a description of the work completed, financial results, environmental issues, any concerns affecting progress of the Program, and any other issues that may affect completing the Program as per this Agreement.

As of the end of the fiscal year 2012/13 (ending March 31, 2012) the status of the 10 projects, Environmental Assessment and Audits were as follows¹:

Highway 1: Brake Check To Yoho

This project entails upgrading approximately 9 kilometres of Highway 1 between Brake Check and Yoho National Park to a four lane 100 km/hr design standard, including the replacement of the Mount Hunter Creek Bridge, concrete median barrier, maximum 4% grade, access consolidation, grade separated structure (underpass) to serve the Wepta/Beaverfoot area, wildlife exclusion fencing and wildlife crossing/passage;

The approval of the environmental review (CEAA) was given by Transport Canada on July 28, 2008. A total of \$56,681,188.46 has been expended (claimed) against 15 contracts, as of the end of the 2012/13 fiscal year. A Schedule D (Affidavit of Substantial Completion) was submitted to Transport Canada for this project in August 2012 (signed off August 27, 2012).

Highway 1: Golden Hill to West Portal

This project entails upgrading approximately 3.8 kilometres of Highway 1 between Golden Hill and West Portal to a four lane design standard (80 km/hr urban and 100 km/hr rural), including extending a fourth lane through the signals at the west end of Golden and grade separation of the Golden-Donald Upper Road (north)/Golden View Road (south) intersection in the form of an underpass structure that will provide for right-in/right-out movements for the connecting roads, elimination of three at-grade intersections, road network connections, concrete median barrier, maximum 6% grade, wildlife fencing and wildlife passage.

A total of \$41,035,404.98 has been expended (claimed) against 21 contracts, as of the end of the 2012/13 fiscal year. Claims for the 2012/13 fiscal year entailed \$5,280,785.

Highway 1: Monte Creek to Pritchard

This project entails upgrading approximately 10.5 kilometres of Highway 1 between Monte Creek and Pritchard to a four lane 100 km/hr design standard, including intersection improvements at Pinantan Road and Bostock Road.

A total of \$11,512,634.84 has been expended (claimed) against 13 contracts, as of the end of the 2012/13 fiscal year. Claims for the 2012/13 fiscal year entailed \$8,425,570.

Highway 97A: Larkin Road to Crozier Road

This project entails upgrading approximately 4.2 kilometres of Highway 97A between Larkin and Crozier Road to a 100 km/hr design standard, including a single diamond interchange between Larkin Road and Otter Lake Road Cross Road, removal of direct highway accesses and associated road network connections.

The approval of the environmental review (CEAA) was given by Transport Canada on November 28, 2008. A total of \$19,935,536.88 has been expended (claimed) against 10 contracts, as of the end of the 2012/13 fiscal year. There were no claims for the 2012/13 fiscal year as the project was completed a couple of years ago. A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in September 2011 (signed off September 22).

Highway 97: Winfield to Oyama

This project entails upgrading approximately nine kilometres of Highway 97 between Winfield to Oyama, through the construction of a new four-lane, in-land alignment; including associated road-network connections.

¹ It should be noted that the costs and expenditures referenced in this document relate to eligible and sharable costs between Transport Canada and the Province, unless otherwise noted. For instance, the total cost of the Monte Creek to Pritchard project is estimated at \$42,800,000 million but only \$33,400,00 million is eligible for cost-sharing.

The approval of the environmental review (CEAA) was given by Transport Canada on December 17, 2009. A total of \$30,571,215.08 has been expended (claimed) against 14 contracts, as of the end of the 2012/13 fiscal year. Claims for the 2012/13 fiscal year entailed \$15,261,378. A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in August 2013 (signed off August 13).

Highway 1: Pritchard to Hoffman's Bluff

This project entails upgrading 6.1 kilometres of Highway 1 between Pritchard to Hoffman's Bluff, including Hoffman's Bluff itself, to a four lane 100 km/h design standard, including access management and frontage roads.

A total of \$2,331,825.01 has been expended (claimed) against 15 contracts, as of the end of the 2012/13 fiscal year. Claims for the 2012/13 fiscal year entailed \$1,349,248.

Highway 1: Clanwilliam Overhead Replacement

This project entail replacing the existing Clanwilliam Overhead (10 kilometres west of Revelstoke) with a new four lane structure and approximately 2.3 kilometres of four laning to a 100 km/hr design standard.

The Environmental Assessment and Review (CEAA) was approved by Transport Canada on March 3, 2011. A total of \$21,728,251.59 has been expended (claimed) against 15 contracts, as of the end of the 2012/13 fiscal year. Claims for the 2012/13 fiscal year entailed \$11,480,762.

A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in July 2013 (signed off July 19).

Highway 1: Donald Bridge and Overhead

This project entails replacing the existing Donald Bridge with a new four lane structure, replacing the existing CPR Overhead with a new structure and approximately 4.0 kilometres of four-laning to a 100 km/hr design standard.

The approval of the environmental review (CEAA) was given by Transport Canada on June 2, 2010. A total of \$47,418,315.56 has been expended (claimed) against 19 contracts, as of the end of the 2012/13 fiscal year. Claims for the 2012/13 fiscal year entailed \$17,489,646.

A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in July 2013 (signed off July 19).

Highway 97A: Pleasant Valley Cross Road to Lansdowne Road

This project entails upgrading approximately 4 kilometres of Highway 97A from Pleasant Valley Cross Road to Lansdowne Road to a four lane design standard, including upgrading five intersections (left turn bays and deceleration/acceleration tapers) and a "protected tee" intersection at Smith Road.

A total of \$13,319,999.91 has been expended (claimed) against seven contracts, as of the end of the 2012/13 fiscal year. Claims for the 2012/13 fiscal year entailed \$1,676,490.

A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in March 2012 (signed off March 20).

Highway 97: Westside Road Interchange

This project entails replacing existing at-grade intersection of Westside Road and Highway 97 with a grade separated interchange and associated road network connections.

A total of \$19,712,365.52 has been expended (claimed) against four contracts, as of the end of the 2012/13 fiscal year. There were no claims for the 2012/13 fiscal year.

A Schedule D (Affidavit of Substantial Completion) was submitted to Transport Canada for this project on September 10, 2013.

Overall, as of the end of the fiscal year 2012/13, 133 contracts had been established on the on-line Transport Canada **Surface Infrastructure System (SIS)** administration system for a total cost of \$374,178,000 out of a total SIS-active sharable cost (across 10 projects, audits and environmental assessments) of \$374,178,000 (100% of SIS-active sharable cost). A total of \$264,246,738 has been expended against these 133 contracts (70.62% of the existing value of the 133 contracts). There was \$60,800,580 claimed in the 2012/13 fiscal year.

Date, Location and Minutes of Official Management Committee Meetings

The following minutes of June 21, 2012 Management Committee were approved unanimously at the subsequent November 08, 2012 meeting, also appended at the end of this section of the report.

MINUTES

Canada – British Columbia BCF
Core National Highway System Projects
Management Committee Meeting
Via Teleconference

Date: June 21, 2012 10:00 – 10:30

Location: Ministry of Transportation and Infrastructure
940 Blanshard, Victoria, BC

Note taker: Avi Ickovich

Attendees:

Manon Baril, TC – Federal Co-chair
David Marr, BC MoTI – Provincial Co-Chair
Simon Leung – BC MoTI
Avi Ickovich – BC MoTI
Kari McKeel – BC MoTI
Hamid Mohmand – TC

1.0 Opening Remarks

Discussion:

David Marr agreed to chair the meeting.

2.0 Administrative Details

2.1 Note Take

- ▶ Avi Ickovich agreed to take meeting minutes for BCF.

2.2 Action Items

- ▶ The only outstanding Action Item from the last Management Committee meeting of November 15, 2011 was “BC will forward the Environmental Management Plan for Hwy 97 – Winfield to Oyama”. The document was forwarded to Transport Canada by email on June 20, 2012.

Action Items – Person Responsible

- ▶ No Action Items

3.0 Program Management

3.1 Schedule B (Cash Flow Forecasts)

- ▶ Transport Canada requested that updated financial forecasts be submitted by June 29, 2012 and advised that as cash flow re-profiling was subject to approval the forecasts should be “conservative”.
- ▶ A signed copy (BC Co-Chair) of Revision 9 was sent to Transport Canada by regular mail on June 19, 2012.

3.2 Unleveraged Funds

- ▶ Until project surpluses are confirmed, potential unleveraged funds are to be assigned to “Future Years” in the Schedule B Cash Flow.

3.3 Amendment to CA and extension of OSA

- ▶ Transport Canada indicated that the Amendment to the Contribution Agreement has been routed through the Federal Minister’s Office for signature.

3.4 Program Reporting (Annual Report and Audit)

- ▶ BC will submit a draft Annual Report by mid-summer and a final Annual Report and Audit by mid-fall 2012.

3.5 Site Visits / Photos – next date, etc.

- ▶ Transport Canada will inform BC of site visits proposed during the summer construction season.
- ▶ David Marr indicated that public access to construction webcams was provided through the Ministry’s website

3.6 Potential Media Events

- ▶ BC indicated that two projects (Clanwilliam and Donald) will open in the Fall of 2012 and offered potential communication opportunities.

Action items – Person Responsible:

- ▷ BC to submit updated cash flow information by June 29 as per the template provide by Transport Canada.
- ▷ BC to forward a revised assessment of potential unleveraged funds once the analysis is complete.
- ▷ BC to submit the Annual Report and Audit for 2011-2011 by the Fall of 2012.

4.0 Project Status Update**4.1 Project Update**

The Provincial co-chair provided an update on the projects status:

22594 Brake Check to Yoho National Park

- ▷ Substantially completion October 30th 2011.
- ▷ Expect Solemn Declaration to be signed in July once Chief Engineer has reviewed documentation.
- ▷ Two issues remaining:
 - Bearings on the Mount Hunter Creek Bridge abutments are not performing as specified; mitigation works to be completed in the Fall and MoTI is working with contractor and designer to resolve issue of responsibility.
 - MSE walls used on the project are the same as those used on the Highway 97 Westside interchange project which failed after installation; monitoring, testing, evaluation continues.

22592 Golden Hill to West Portal

- ▷ Design-Build contract awarded to Emil Anderson Construction Inc. December 1, 2009.
 - Substantial completion October 2011.
- ▷ ITS contract awarded to Jacob Bros. Construction Ltd. May 5, 2011.
 - Substantially complete.

- ▷ Pedestrian/bicycle trail extension contract from Golden Hill to Highway 95 was awarded to Emil Anderson Construction Ltd. on July 21, 2011
 - Substantially complete
- ▷ Kilometre Four wall and approaches contract awarded to Tercon Construction Ltd. September 28, 2011.
 - Completion expected November 2012

21754 Highway 1 Donald Bridge

- ▷ Contract Awarded January 4, 2011 to Flatiron Constructors Canada Ltd (\$39.6M)
- ▷ Construction started February 1, 2011, completion December 2012
- ▷ Contract 50% complete
- ▷ Donald Bridge – 65% (piling, pier and abutment construction and girder erection substantially complete)
- ▷ Donald Overhead – 25% (West pier complete, east pier 70% complete, removal of pre-load and surcharge commencing)
- ▷ Expect substantial completion mid-September
- ▷ Demolition of existing structures to follow

22546 Highway 1 Clanwilliam Bridge

- ▷ Contract awarded June 22, 2011 to Arthon Contractors Inc. (\$18.035 million)
Construction started July 12, 2011
- ▷ Construction 25% complete
- ▷ Piers, abutments, substructure, girder erection complete
- ▷ Completion mid-September 2012
- ▷ Demolition of structure to follow

21931 Highway 1 Monte Creek to Pritchard

- ▷ Phase 1
 - Contract awarded to Emil Anderson August 9, 2001.
 - Construction began October 4, 2011.
 - 20% complete.
 - Contract completion October 31, 2012.
- ▷ Phase 2
 - Archaeological work, detailed design and property acquisition in progress.
 - Tender targeted for October 2012.

21930 Highway 1 Pritchard to Hoffman's Bluff

- ▷ Phase 1
 - Design 95% complete.
 - Tender targeted for August 2012.
- ▷ Phase 2
 - Design 90% completed.
 - Section 35 for Neskonalith FN affects tender schedule (negotiations continue).

20302 Highway 97A Larkin to Crozier

- ▷ Complete.
- ▷ Solemn Declaration submitted September 22, 2011.

22550 Highway 97A Pleasant Valley to Lansdowne

- ▷ Complete.
- ▷ Solemn Declaration submitted March 20, 2012.

21347 Highway 97 Winfield to Oyama

- ▷ Construction commenced May 28, 2011.
- ▷ Ground breaking event held on July 8.
- ▷ 30% complete.
- ▷ Completion Summer 2013.

22402 Highway 97 Westside Interchange

- ▷ 85% complete.
- ▷ Phase 1 – Network side roads and utilities completed June 2010.
- ▷ Phase 2 – Westside Road Interchange was opened to traffic October 28, 2011.

- ▷ Phase 3 – Nancee Way Overpass
 - Detour of Nancee Way traffic complete November 2011.
 - Overpass under construction (Ledcor) and expected to complete October 2012.
 - Top lift paving mid-September to mid-October.
 - Project completion mid-November 2012.

4.2 Aboriginal Consultation (Update on Highway 1: Monte Creek to Pritchard to Hoffman's Bluff)

Accommodation Agreement (Monte Creek to Chase) is with, or will soon be with, the lawyers:

1. Archaeological Impact Assessment (AIA) in progress – on and off reserve.
 - a. Field work completed for Monte Creek to Pritchard (Phase 2) – report being compiled by Environmental Contractor.
 - b. Field work nearing completion for Pritchard to Hoffman's Bluff.
2. Archaeological Branch to determine mitigation measure; some referrals.
3. Mitigation work would be undertaken and report completed.
4. Alteration Permit would be issued.

Timelines for completion of mitigation works likely to impact tender schedule:

- ▷ Will work to accelerate timeline to the degree possible.
- ▷ Potential to undertake works outside established archaeological areas through day labor.

David Marr to send to Transport Canada copies of the correspondence and documentation related to aboriginal consultation.

4.3 Project risk (cost, schedule, operational, other project issues).

- ▷ Archaeological processes are delaying tendering of Highway 1 Monte Creek to Pritchard and Hoffman's Bluff.

4.4 Environmental Assessment Update

- ▷ Highway 97 Winfield to Oyama. Transport Canada advised that the environment reporting,

as outlined in the approval letter of December 10, 2011, was required for Transport Canada to assure compliance with mitigation measures. Transport Canada has not received any of the construction monitoring reports.

- ▷ David Marr committed to provide the required reports and Transport Canada offered to provide templates, if necessary, with the requisite data elements including timelines and other specific information.

Action items – Person Responsible

- ▷ BC to provide Transport Canada documentation on the aboriginal consultation for Highway 1: Monte Creek to Pritchard and Highway 1 Hoffman's Bluff.

- ▷ BC to ensure that environmental reports and updates for the Highway 97 Winfield to Oyama project are disseminated to Transport Canada.

5.0 & 6.0 Other Items and Next Management Committee Meeting

5.0 Other Items

- ▷ None.

6.0 Next Management Committee Meeting

- ▷ The next meeting will be scheduled for the Fall of 2012.

Action items – Person Responsible

- ▷ No action items.

The following minutes of November 8, 2012 Management Committee were approved unanimously at the subsequent June 25, 2013 Management Committee meeting.

MINUTES

Canada – British Columbia BCF Core National Highway System Projects Management Committee Meeting #2

Date: Date – November 08, 2012 – 2:00 p.m to 4:30 p.m (PDT)

Location: Ministry of Transportation and Infrastructure
940 Blanshard, Victoria, BC

Note taker: Hamid Mohmand

Attendees:

Manon Baril, TC – Federal Co-chair
David Marr, BC MoTI – Provincial Co-Chair
Avi Ickovich – BC MoTI
Kari McKeel – BC MoTI
Hamid Mohmand – TC

1.0 Opening Remarks

Discussion:

- ▷ TC chaired the meeting

2.0 Administrative Details

2.1 Note Take

- ▷ Hamid Mohmand will record the meeting minutes.

2.2 Outstanding Action Items

- ▷ There were no outstanding action items from the last MC (June 21, 2012) meeting.
- ▷ The meeting minutes of June 21, 2012 management committee were unanimously approved and adopted by the co-chairs.

Action items – Person Responsible

- ▷ No action item.

3.0 Program Management

3.1 Schedule B - Cash Flow Forecasts

- ▷ TC mentioned that Cash flow Revision no. 10 is approved as of July 25, 2012.
- ▷ BC mentioned there might be a shortfall on the forecasted cash flow.
- ▷ TC advised that the next cash flow update will be required by December 01, 2012.

3.2 Unleveraged Funds

- ▷ BC indicated that there is approximately \$29 to \$33 million in potential forecasted savings under the program.
- ▷ Discussions with INFC about the cost savings are ongoing.

- ▷ Once projects are confirmed BC will be ready to sign an agreement.

3.3 Amendment to CA

- ▷ TC mentioned that the CA amendment (OSA extension) is in the approval process.
- ▷ BC showed concern that delaying the approval process may jeopardize the legal status of CA and create issues with BC financial management system.

3.4 Program Reporting (Annual Report and Financial Audit)

- ▷ The annual progress report and financial audit for the fiscal year 2011-2012 have been approved via email dated October 24, 2012.

3.5 Potential Media Events

- ▷ BC indicated there might be opportunities for joint media events in 2013.
- ▷ BC will inform TC as more information becomes available.

Action items:

- ▷ BC will update the cash flow by December 01, 2012. Kari McKeel

4.0 Status of Project

4.1 Project Status Update

Highway 1 Brake Check to Yoho National Park

- ▷ Complete
- ▷ Minor Works contract (\$155,000) to replace the bearings on the Mt. Hunter Creek Bridge was awarded to Tercon Construction Ltd and work is commencing

Highway 1 Golden Hill to West Portal

- ▷ Km 4 Wall settlement issue has delayed progress and completion to slip from March 31, 2013 to Summer/Fall 2013

Highway 1 Donald Bridge

- ▷ September 21, 2012 Event
- ▷ In-Service October 21, 2012

- ▷ Project is 95% complete
- ▷ Demolition of old structure in progress
- ▷ Works for 2013/14 include vegetation, side road paving, lighting, plaque installation and clean-up

Highway 1 Clanwilliam Bridge

- ▷ Project is 90 % complete
- ▷ The two structures are complete
- ▷ Top-lift pavement deferred to next year
- ▷ Traffic on new westbound structure over the winter
- ▷ Works for 2013/14 include top-lift pavement, demolition of old structure and clean-up

Highway 1 Pritchard to Hoffman's Bluff

- ▷ Accommodation Agreement pending
- ▷ Mitigation permit required
- ▷ Phase 1 tender ready early December 2012
- ▷ Phase 2 tender ready spring 2014

Highway 1 Monte Creek to Pritchard

- ▷ Phase 1 substantially complete
- ▷ Phase 2: property acquisition in progress, mitigation permit required, tender ready in December 2012

Highway 97 Winfield to Oyama

- ▷ Project is 65% complete
- ▷ Rock excavation to be completed in early December
- ▷ Four structure nearing completion
- ▷ Project completion expected by June 28th 2013
- ▷ Another archaeological site discovered on the south end, which will be assessed, investigated, excavated and the disturbed material relocated.
- ▷ TC inquired about the view point proposal that BC MTI mentioned during the site visit.
- ▷ BC mentioned that it will be minor adjustment to the project and can be covered in contingencies.

Highway 97 Westside Interchange

- ▷ Project is 95% complete
- ▷ Substantial completion by mid December
- ▷ Top-lift pavement on Nancy Way and approaches may be delayed to 2013/14

Hwy 97A Pleasant Valley X-Rd to Lansdowne Rd

- ▷ Complete
- ▷ Claim issues

4.2 Aboriginal Consultation – Update on Hwy 1 Monte Creek to Pritchard and Pritchard to Hoffman's Bluff

- ▷ TC inquired about the status of Aboriginal Consultation and requested for copies of available documents.
- ▷ BC indicated that project staff will be advised to provide copies of the requested documents.
- ▷ BC indicated that they anticipate the accommodation agreement with FN to be signed soon.

4.3 Project Risk (cost, schedule, operational, other projects, issues)

- ▷ BC showed concern about delay in the approval process of CA amendment and indicated it might be a risk.

4.4 Environmental Assessment

- ▷ Post EA commitments for Hwy 97 – Winfield to Oyama, the project staff has been reporting to the TC EA personal.

Action items:

- ▷ BC will provide copies of relevant aboriginal consultation documents for Hwy 1 Monte Creek to Pritchard and Pritchard to Hoffman's Bluff.
Completed December 01, 2012 – Avi Ickovich

5.0 & 6.0 Other Items and Next Management Committee Meeting

- ▷ BC inquired about the eligibility of soft costs and if the 15% limit applies to the initial or the final federal contribution?
- ▷ Both federal co-chairs agreed that 15% soft cost limit will apply to the original CA as it will be easier to manage the allocation instead of adjusting periodically. BC indicated that field services costs are tracked under soft costs but should really be under capital as they are in support of construction.
- ▷ The next Management Committee will be scheduled in spring 2013.

Action items:

- ▷ BC will forward the soft cost spreadsheet to TC.
Completed December 01, 2012 – Kari McKeel

Schedule “B” Revisions

Please refer to Table 1 outlining the evolution of Schedule B during the first fiscal year. Table 2 (Statement of Changes) calculates the cash flow and budget changes across revisions.

Revision 10

July 25, 2012 – This is the first revision after the end of the 2011/12 Fiscal Year but entails no changes as it is used to open the next fiscal year 2012/13.

Revision 11

November 30, 2012 – This revision entailed the following changes:

- ▶ Shifting \$6,857,502 from the 2012/13 Fiscal Year to the future years as the Highway 1: Brake Check to Yoho National Park project is completed and the holdback needs to be claimed, after the signoff of the Solemn Declaration in August 2012;
- ▶ Shifting \$2,649,900 and \$19,800,100 respectively to future years for the Highway 1: Golden Hill to West Portal project;
- ▶ Shifting \$4,324,463 to future years for the Highway 97A: Larkin Road to Crozier Road project;
- ▶ Shifting \$150,000 and 13,500,000 respectively to future years for the Highway 97: Winfield to Oyama project;
- ▶ Shifting \$2,055,000 to the 2013/14 fiscal year from the 2012/13 and future years for the Highway 1: Pritchard to Hoffman's Bluff project.
- ▶ Shifting \$2,974,000 from the 2012/13 Fiscal Year to the future years as Highway 1: Clanwillilam Overhead Replacement project was nearing completion and the holdback needs to be claimed pending the signoff of the Solemn Declaration.
- ▶ Shifting \$4,200,000 to the 2013/14 fiscal year and \$7,850,000 to the future years for Highway 1: Donald Bridge and Overhead Replacement project, as the project nears completion.
- ▶ Shifting \$185,276 from the 2012/13 fiscal year to the 2013/14 fiscal year at completion for the Highway 97A: Pleasant Valley Cross Road to Lansdowne Road project.

- ▶ Shifting \$2,241,634 from the 2012/13 fiscal year to the 2013/14 fiscal year at near completion for the Highway 97: Westside Road Interchange project

Revision 12

March 26, 2013 – This revision entailed the following changes:

- ▶ Due to efficiencies in the delivery of the project, the costs for the Highway 1: Brake Check to Yoho National Park are reduced by \$7,018,812;
- ▶ Due to efficiencies in the delivery of the project, the costs for the Highway 1: Golden Hill to West Portal are reduced by \$18,413,887. Shifting \$250,787 and \$1,135,426 respectively to the 2012/13 and 2013/14 fiscal years;
- ▶ Shifting \$1,934,494 to the 2013/14 fiscal year from the 2012/13 and 2014/15 fiscal years for the Highway 1: Monte Creek to Pritchard project;
- ▶ Due to efficiencies in the delivery of the project, the costs for the Highway 97A: Larkin Road to Crozier Road project are reduced by \$4,324,463.
- ▶ Due to efficiencies in the delivery of the project, the costs for the Highway 97: Winfield to Oyama project are reduced by \$13,504,052 as the project nears completion.
- ▶ Shifting costs for the Highway 1: Pritchard to Hoffman's Bluff project as it progresses and more information becomes available. More specifically, shifting \$1,000,000 of expenditures to the 2014/15 fiscal year;
- ▶ Due to efficiencies in the delivery of the project, the costs for the Highway 1: Clanwillilam Overhead Replacement project are reduced by \$3,946,789 as the project nears completion. Shifting \$280,764 from the 2013/14 fiscal year to the 2012/13 fiscal year.
- ▶ Due to efficiencies in the delivery of the project, the costs for the Highway 1: Donald Bridge and Overhead Replacement project are reduced by \$9,791,998 as the project nears completion. Shifting \$1,689,646 from the 2013/14 fiscal year to the 2012/13 fiscal year.
- ▶ Shifting \$185,276 from the 2013/14 fiscal year to the 2012/13 fiscal for the Highway 97A: Pleasant Valley Cross Road to Lansdowne Road upon project completion.

Table 1

Schedule B During the Fiscal Year 2012/13 (as of March 31, 2013)

Revision #	Project	Estimated Project Cost	Sharable Project Cost	Agreement Contribution		Breakdown of Expenditures									
				Federal	Provincial	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Future			
Revision #10 (Last Revision of 2011/12) 25-Jul-12	Highway 1: Brake Check to Yoho National Park	\$ 66,361,911	\$ 63,700,000	\$ 31,850,000	\$ 31,850,000	\$ 50,298,964	\$ 6,515,525	\$ 6,885,511	\$ -	\$ -	\$ -	\$ -			
	Highway 1: Golden Hill to West Portal	68,500,000	64,700,000	32,350,000	32,350,000	17,908,255	17,876,363	7,650,000	1,465,382	19,800,000	-	-			
	Highway 1: Monte Creek to Pritchard	42,800,000	33,400,000	16,700,000	16,700,000	1,129,170	1,957,895	8,485,000	13,000,000	8,827,934	-	-			
	Highway 97A: Larkin Road to Crozier Road	33,670,000	24,260,000	12,130,000	12,130,000	17,815,540	2,119,997	4,324,463	-	-	-	-			
	Highway 97: Winfield to Oyama	77,868,550	67,164,000	33,582,000	33,582,000	2,060,100	13,249,737	13,900,000	24,454,162	13,500,001	-	-			
	Highway 1: Pritchard to Hoffman's Bluff	61,600,000	53,800,000	26,900,000	26,900,000	955,851	26,727	2,765,000	13,350,000	14,870,000	21,148,000	684,423			
	Highway 1: Clanwilliam O/H Replacement	29,000,000	28,000,000	14,000,000	14,000,000	2,040,843	8,206,645	11,500,000	3,278,512	2,974,000	-	-			
	Highway 1: Donald Bridge and O/H Replacement	63,000,000	60,880,000	30,440,000	30,440,000	7,827,162	22,101,507	20,000,000	3,101,330	7,850,000	-	-			
	Hwy 97A: Pleasant Valley Cross Rd to Lansdowne Rd	20,200,000	13,320,000	6,660,000	6,660,000	5,135,487	6,508,023	1,676,490	-	-	-	-			
	Highway 97: Westside Road Interchange	33,000,000	21,954,000	10,977,000	10,977,000	11,620,743	8,091,622	2,241,634	-	-	-	-			
Revision #11 30-Nov-12	Total	\$ 496,000,461	\$ 431,178,000	\$ 215,589,000	\$ 215,589,000	\$ 116,792,115	\$ 86,654,042	\$ 79,428,099	\$ 58,649,386	\$ 67,821,935	\$ 21,148,000	\$ 684,423			
	Highway 1: Brake Check to Yoho National Park	\$ 66,361,911	\$ 63,700,000	\$ 31,850,000	\$ 31,850,000	\$ 50,298,964	\$ 6,515,525	\$ 28,010	\$ -	\$ -	\$ -	\$ 6,857,502			
	Highway 1: Golden Hill to West Portal	68,500,000	64,700,000	32,350,000	32,350,000	17,908,255	17,876,363	5,000,000	4,115,282	-	-	19,800,100			
	Highway 1: Monte Creek to Pritchard	42,800,000	33,400,000	16,700,000	16,700,000	1,129,170	1,957,895	8,485,000	13,000,000	8,827,934	-	-			
	Highway 97A: Larkin Road to Crozier Road	33,670,000	24,260,000	12,130,000	12,130,000	17,815,540	2,119,997	-	-	-	-	4,324,463			
	Highway 97: Winfield to Oyama	77,868,550	67,164,000	33,582,000	33,582,000	2,060,100	13,249,737	13,750,000	24,604,162	-	-	13,500,001			
	Highway 1: Pritchard to Hoffman's Bluff	61,600,000	53,800,000	26,900,000	26,900,000	955,851	26,727	1,290,000	15,405,000	14,870,000	21,148,000	104,423			
	Highway 1: Clanwilliam O/H Replacement	29,000,000	28,000,000	14,000,000	14,000,000	2,040,843	8,206,645	11,200,000	3,578,512	-	-	2,974,000			
	Highway 1: Donald Bridge and O/H Replacement	63,000,000	60,880,000	30,440,000	30,440,000	7,827,162	22,101,507	15,800,000	7,301,331	-	-	7,850,000			
	Hwy 97A: Pleasant Valley Cross Rd to Lansdowne Rd	20,200,000	13,320,000	6,660,000	6,660,000	5,135,487	6,508,023	1,491,214	185,276	-	-	-			
Revision #12 26-Mar-13	Highway 97: Westside Road Interchange	33,000,000	21,954,000	10,977,000	10,977,000	11,620,743	8,091,622	-	2,241,634	-	-	-			
	Total	\$ 496,000,461	\$ 431,178,000	\$ 215,589,000	\$ 215,589,000	\$ 116,792,115	\$ 86,654,042	\$ 57,044,224	\$ 70,431,198	\$ 23,697,934	\$ 21,148,000	\$ 55,410,488			
	Highway 1: Brake Check to Yoho National Park	\$ 66,361,911	\$ 56,681,188	\$ 28,340,594	\$ 28,340,594	\$ 50,298,964	\$ 6,515,525	\$ (133,300)	\$ -	\$ -	\$ -	\$ -			
	Highway 1: Golden Hill to West Portal	68,500,000	46,286,113	23,143,057	23,143,057	17,908,255	17,876,363	5,250,787	5,250,708	-	-	-			
	Highway 1: Monte Creek to Pritchard	42,800,000	33,400,000	16,700,000	16,700,000	1,129,170	1,957,895	8,425,569	14,934,494	6,952,871	-	-			
	Highway 97A: Larkin Road to Crozier Road	33,670,000	19,935,537	9,967,768	9,967,768	17,815,540	2,119,997	-	-	-	-	-			
	Highway 97: Winfield to Oyama	77,868,550	53,659,948	26,829,974	26,829,974	2,060,100	13,249,737	15,261,378	23,088,733	-	-	-			
	Highway 1: Pritchard to Hoffman's Bluff	61,600,000	53,800,000	26,900,000	26,900,000	955,851	26,727	1,349,248	15,380,216	15,870,000	20,217,959	-			
	Highway 1: Clanwilliam O/H Replacement	29,000,000	24,053,211	12,026,606	12,026,606	2,040,843	8,206,645	11,480,764	2,324,960	-	-	-			
	Highway 1: Donald Bridge and O/H Replacement	63,000,000	51,088,002	25,544,001	25,544,001	7,827,162	22,101,507	17,489,646	3,669,687	-	-	-			
	Hwy 97A: Pleasant Valley Cross Rd to Lansdowne Rd	20,200,000	13,320,000	6,660,000	6,660,000	5,135,487	6,508,023	1,676,490	-	-	-	-			
	Highway 97: Westside Road Interchange	33,000,000	21,954,000	10,977,000	10,977,000	11,620,743	8,091,622	-	2,241,634	-	-	-			
	Total	\$ 496,000,461	\$ 374,178,000	\$ 187,089,000	\$ 187,089,000	\$ 116,792,115	\$ 86,654,042	\$ 60,800,581	\$ 66,890,432	\$ 22,822,871	\$ 20,217,959	\$ -			

Table 2

Statement of Changes for "Schedule B" during the Fiscal Year 2012/13 (as of March 31, 2013)

Revision #	Project	Estimated Project Cost	Sharable Project Cost	Agreement Contribution		Breakdown of Expenditures						
				Federal	Provincial	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Future
Revision #10 to Revision #11	Highway 1: Brake Check to Yoho National Park	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (6,857,501)	\$ -	\$ -	\$ -	\$ 6,857,502
	Highway 1: Golden Hill to West Portal	-	-	-	-	-	-	(2,650,000)	2,649,900	(19,800,000)	-	19,800,100
	Highway 1: Monte Creek to Pritchard	-	-	-	-	-	-	-	-	-	-	-
	Highway 97A: Larkin Road to Crozier Road	-	-	-	-	-	-	(4,324,463)	-	-	-	4,324,463
	Highway 97: Winfield to Oyama	-	-	-	-	-	-	(150,000)	150,000	(13,500,001)	-	13,500,001
	Highway 1: Pritchard to Hoffman's Bluff	-	-	-	-	-	-	(1,475,000)	2,055,000	-	-	(580,000)
	Highway 1: Clanwilliam O/H Replacement	-	-	-	-	-	-	(300,000)	300,000	(2,974,000)	-	2,974,000
	Highway 1: Donald Bridge and O/H Replacement	-	-	-	-	-	-	(4,200,000)	4,200,001	(7,850,000)	-	7,850,000
Revision #11 to Revision #12	Hwy 97A: Pleasant Valley Cross Rd to Lansdowne Rd	-	-	-	-	-	-	(185,276)	185,276	-	-	-
	Highway 97: Westside Road Interchange	-	-	-	-	-	-	(2,241,634)	2,241,634	-	-	-
	Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (22,383,875)	\$ 11,781,812	\$ (44,124,001)	\$ -	\$ 54,726,066
	Highway 1: Brake Check to Yoho National Park	\$ -	\$ (7,018,812)	\$ (3,509,406)	\$ (3,509,406)	\$ -	\$ -	\$ (161,310)	\$ -	\$ -	\$ -	\$ (6,857,502)
	Highway 1: Golden Hill to West Portal	-	(18,413,887)	(9,206,943)	(9,206,943)	-	-	250,787	1,135,426	-	-	(19,800,100)
	Highway 1: Monte Creek to Pritchard	-	-	-	-	-	-	(59,431)	1,934,494	(1,875,063)	-	-
	Highway 97A: Larkin Road to Crozier Road	-	(4,324,463)	(2,162,232)	(2,162,232)	-	-	-	-	-	-	(4,324,463)
	Highway 97: Winfield to Oyama	-	(13,504,052)	(6,752,026)	(6,752,026)	-	-	1,511,378	(1,515,429)	-	-	(13,500,001)
	Highway 1: Pritchard to Hoffman's Bluff	-	-	-	-	-	-	59,248	(24,784)	1,000,000	(930,041)	(104,423)
	Highway 1: Clanwilliam O/H Replacement	-	(3,946,789)	(1,973,394)	(1,973,394)	-	-	280,764	(1,253,552)	-	-	(2,974,000)
	Highway 1: Donald Bridge and O/H Replacement	-	(9,791,998)	(4,895,999)	(4,895,999)	-	-	1,689,646	(3,631,644)	-	-	(7,850,000)
	Hwy 97A: Pleasant Valley Cross Rd to Lansdowne Rd	-	(0)	(0)	(0)	-	-	185,276	(185,276)	-	-	-
	Highway 97: Westside Road Interchange	-	-	-	-	-	-	-	-	-	-	-
	Total	\$ -	\$ (57,000,000)	\$ (28,500,000)	\$ (28,500,000)	\$ -	\$ -	\$ 3,756,357	\$ (3,540,766)	\$ (875,063)	\$ (930,041)	\$ (55,410,488)

PROJECT UPDATES

Information on contracts started/completed and estimated completion of contracts is addressed more extensively in a subsequent section of the report "A YEAR END SUMMARY TABLE OF EXPENDITURES UNDER THE AGREEMENT" (Table 3).

MAJOR MILESTONES INCLUDE:

For the Highway 1: Brake Check to Yoho Project

- Construction has been completed on the nine kilometre Brake Check to Yoho National Park (Phase 3 East) project, which includes a new 112-metres-long bridge across Mt. Hunter Creek, wildlife crossing structures at Vacation Creek and Glenogle Road and continuous wildlife exclusion fencing and access improvements at Beaverfoot Road. Traffic has been established at a 100 km/hr standard on the completed four-lane section. A Schedule D (Affidavit of Substantial Completion) was submitted to Transport Canada for this project in August 2012 (signed off August 27).

For the Highway 1: Golden Hill to West Portal Project

- The main construction of Golden Hill to West Portal (Phase 3 West) is being delivered as a Design-Build project. The contract was awarded to Emil Anderson Construction Inc. on December 1, 2009. Substantial completion was issued in December 2011. The work includes grade and horizontal alignment improvements from the entrance to the steep canyon sections through to the intersection with Highway 95.

For the Highway 97A: Larkin Road to Crozier Road Project

- Project completed on November 8, 2010 and all four lanes were opened to the public.
- Project has been performing very well with positive feedback from major stakeholders regarding the operation of an interchange with two roundabouts.
- A Schedule D (Affidavit of Substantial Completion) was submitted to Transport Canada for this project in September 2011 (signed off September 22).

For the Highway 97: Winfield to Oyama Project

- Complete the project (Summer 2013).
- Held project opening event (August 2013).
- A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in August 2013 (signed off August 13).

For the Highway 1: Clan William Overhead Project

- A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in July 2013 (signed off July 19).

For the Highway 1: Donald Bridge and Overhead Replacement

- A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in July 2013 (signed off July 19).

For the Highway 97A: Pleasant Valley Cross Road to Landsdowne Road Project

- A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in March 2012 (signed off March 20). The completed project is now in service and performing very well.

For the Highway 97: Westside Road Interchange Project

- Interchange opened on October 29, 2011.

The following pages of the report entail a series of photographs for the current projects and are meant to provide not only a portrayal of the actual project, but also a broader geographic and topographical context, and as such some photographs are overviews.

Project Overview: : Highway1 – Brake Check To Yoho

Scope

This project entails upgrading approximately nine kilometres of Highway 1 between Brake Check and Yoho National Park to a four-lane, 100 km/hr design standard, including the replacement of the Mount Hunter Creek Bridge, concrete median barrier, maximum 4% grade, access consolidation, grade separated structure (underpass) to serve the Wepta/Beaverfoot area, wildlife exclusion fencing and wildlife crossing/passage. A Schedule D (Affidavit of Substantial Completion) was submitted to Transport Canada for this project in August 2012 (signed off August 27, 2012).



Achievements in 2012/2013

Construction has been completed on the nine kilometre Brake Check to Yoho National Park (Phase 3 East) project, which includes a new 112-metre-long bridge across Mt. Hunter Creek, wildlife crossing structures at Vacation Creek and Glenogle Road and continuous wildlife exclusion fencing and access improvements at Beaverfoot Road. Final completion was issued to Ledcor CMI Ltd. on October 30, 2011. Traffic has been established at 100 km/hr on the completed four-lane section.

Issues

Some settlement has occurred at three MSE walls at the abutments of the wildlife overpasses. Buttress walls have been erected in front of these walls as interim precautionary measures. Testing was carried out on these walls and revealed some defects. A repair design was been initiated.

Future activities

Completion of the repair design and required repair work will take place in the summer and be completed in the fall.

Phase 3 East, western wildlife overpass

Project Overview: Highway1: Golden Hill to West Portal

Scope

This project entails upgrading approximately 3.8 kilometres of Highway 1 between Golden Hill and West Portal to a four-lane design standard (80 km/hr urban and 100 km/hr rural), including extending a fourth lane through the signals at the west end of Golden and grade separation of the Golden-Donald Upper Road (north)/Golden View Road (south) intersection in the form of an underpass structure that will provide for right-in/right-out movements for the connecting roads, elimination of

three at-grade intersections, road network connections, concrete median barrier, maximum 6% grade, wildlife fencing and wildlife passage.

Achievements in 2012/2013

The main construction of Golden Hill to West Portal (Phase 3 West) was delivered as a Design/Build project. The contract was awarded to Emil Anderson Construction Inc. on December 1, 2009. Substantial completion was issued in December 2011. The work includes grade and horizontal alignment improvements and wildlife



Phase 3 West before

mitigation works from the entrance to the steep canyon sections through to the intersection with Highway 95.

This segment also includes installation of an Intelligent Transportation System (ITS). The contract to install three new changeable message signs and replace one changeable message sign on an existing structure in the corridor is complete.

In advance of the Design/Build work, the construction of a fourth lane extension on Golden Hill was completed in 2009 using day labour, the Ministry's process for hiring local workers and equipment directly.

A contract to extend the pedestrian/bicycle trail from Golden Hill to Highway 95 was awarded to Emil Anderson Construction Inc. on July 21, 2011. Construction was completed in November 2011.

The final construction activity of Phase 3 West is a retaining wall structure at the eastern end of the project. A Major Works contract for the Kilometre 4 Wall and Approaches was tendered and awarded to Tercon Construction Ltd. on



Phase 3 West after

September 28, 2011. In the summer of 2012 unexpected geotechnical settlement occurred during construction that slowed construction down but the full construction of the retaining wall was achieved in 2012 and the geotechnical issues have been resolved. Outstanding work left at the end of 2012 included completing the final gravels, paving and drainage works.

Issues

A small area of paving completed under the Design/Build contract will need to be repaired under warranty in 2013. In December of 2012 Tercon was placed into receivership which will require the remaining work to be retendered.

Future Activities

The remaining Kilometre 4 Wall work will be retendered in the summer 2013. Construction will complete in fall, 2013. Total completion of Phase 3 West and issuance of the Solemn Declaration is scheduled for March 31, 2014.

Project Overview: Highway 1: Monte Creek to Pritchard

Scope

- Four laning 10.5 km of Highway 1 between Monte Creek and Pritchard to a 100 km/h standard, including flush medians, wider shoulders and rumble strips.
- Access management improvements include turn slots, deceleration lanes and frontage roads.

Accomplishments/Milestones Over the Last Fiscal Year (2012/13)

Phase 1

- Completed October 2012.



Monte Creek Phase 1



Gas Line Relocation

Phase 2

- Tender Closed – April 8, 2013.
- Awarded – June 21, 2013 for \$20,649,109.
- Groundbreaking on July 29, 2013 with Minister Todd, MP and Cathy McLeod, MLA .
- Work commenced August 22, 2013.
- Completion Scheduled June 26, 2015.

Expected/Anticipated Activities over the next six months (or over summer):

- Initiate construction of Pritchard interchange structure.
- Retaining Wall Construction.
- Grade Construction to sub-grade in various location.
- Utility moves.
- On going Archaeology Work.
- Aggregate Production.

Issues

- Property acquisition completion. The final outstanding property acquisitions were completed in August 2013
- Within the scope of Phase 2 of the project, there are several locations where First Nation ancestral remains have been discovered. The Secwepemc (sheh-KWE-pem) bands engaged in the archaeology and cultural heritage works know this area to be a significant burial landform. A retaining wall will be built to avoid an intact skeletal find and two other partial remains will be lowered to protect them from construction activity.
- There's an agreement between the Ministry of Transportation and Infrastructure and the Sexqelkemt Secwepemc (STS) to ensure that the widening of the Trans-Canada Highway to four lanes can proceed, while protecting these culturally significant archaeological sites.

Project Overview: Highway97A: Larkin Road to Crozier Road

This project entailed upgrading approximately 4.2 kilometres of Highway 97A between Larkin and Crozier Road to a 100 km/hr design standard, including a single diamond interchange between Larkin Road and Otter Lake Road Cross Road, removal of direct highway accesses and associated road network connections.

The project had the following accomplishments:

- Project completed on November 8, 2010 and all four lanes were opened to the public.
- Project has been performing very well and positive feedback from major stakeholders regarding the operation of an interchange with two roundabouts.

- The contractor accepted the final quantities and no construction claims.
- A Schedule D (Affidavit of Substantial Completion) was submitted to Transport Canada for this project in September 2011 (signed off September 22).

The following photographs are of the project before construction:





The following photographs are of the project during construction:





The following photographs are of the completed project:





Project Overview: Highway97: Winfield to Oyama

This project entails upgrading approximately nine kilometres of Highway 97 between Winfield to Oyama, through the construction of a new four-lane, in-land alignment, including associated road-network connections. A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in August 2013 (signed off August 13).

2012/13 Fiscal Year Accomplishments

- Continued with construction.
- 50% Milestone event was held on June 28, 2012.
- Overall construction was 75% complete at the end of the fiscal year.
- 95% of the project was completed to sub-grade at the end of the fiscal year.
- Gatzke Road Overpass and Wood Lake Overpass were completed at the end of the fiscal year.
- Commenced construction on the Wood Lake overpass at the end of last fiscal year.
- Both recreational underpasses were 98% complete at the end of last fiscal year.

Expected Activities (Next Six Months):

- Complete paving.
- Placement of CRB.
- Site cleanup and resolution of any remaining issues.
- Complete the project (Summer 2013).
- Hold project opening event (August 2013).

Unforeseen or Predicted Risks/Issues:

- Ongoing First Nations archaeology work.

The following photographs are a representation of the project before initiation and during construction.

BEFORE:



DURING: 2011/12 photographs



DURING: 2012/13 photographs



Project Overview: Highway 1: Pritchard to Hoffmans Bluff

Scope

This project entails upgrading 6.1 kilometres of Highway 1 between Pritchard to Hoffman's Bluff, including Hoffman's Bluff itself, to a four-lane, 100 km/h design standard, including access management and frontage roads.



Groundbreaking event – July 29, 2013.



Clearing for side road.



Significant Archaeological find.

FISCAL YEAR 2012/13 ACCOMPLISHMENTS:

Pritchard to Hoffman's Phase 1

Milestones/Accomplishments:

- Tender closed – April 12, 2013.
- Awarded – May 13, 2013 to 672462 BC Ltd. for \$7,533,939.61.
- Started work on July 17, 2013.
- Groundbreaking on July 29, 2013 with Minister Todd, MP and Cathy McLeod, MLA.
- Accommodation agreement has been reached with the affected bands allowing Phase 1 to go forward.

Expected/Anticipated Activities over the next six months:

- Complete utility relocations.
- Grade construction on eastbound lanes.
- Gravel production.
- Graveling to subgrade.
- Box culvert installation.
- Harper Creek realignment.
- Paving bottom lift on eastbound lanes.

Issues:

- Old First Nation campsite found within construction area. Site estimated to be more than 6,800 years old. Bone fragments have been sent for carbon dating to confirm age.

Pritchard to Hoffman's Phase 2

Currently at 90% Detailed Design Stage. Design completion scheduled for end of November 2013.

Tender targeted for Spring 2014, pending reaching agreement with band regarding First Nation reserve land acquisition.

- Negotiations are under way with the Neskonlith Band regarding the acquisition of land required within their reserve, which falls within Phase 2.



Construction of 200 line (side road) looking south.



Crew prepping for temporary crossing at Harper Creek.



New fence construction ongoing.

Project Overview: Highway 1: ClanWilliam Overhead

This project entails replacing the existing Clanwilliam Overhead (10 kilometres west of Revelstoke) with a new four-lane structure and approximately 2.3 kilometres of four-laning to a 100 km/hr design standard.

A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in July 2013 (signed off July 19).

Accomplishments/Milestones: Fiscal Year End 2012/13

- Project 92% complete prior to winter shutdown in November 2012.
- Structures complete.
- Old structure removed November 2013.
- Bottom lift asphalt complete, 50% top lift asphalt complete prior to winter shutdown (could not complete due to inclement weather experienced in October 2012).

Expected Activities to September 15, 2013/ Next Six Months

- Final works completed May 31/13, fully operational.
- Final quantities to be reviewed.

- Contractor still addressing minor deficiencies identified at project walk-through.
- As-built drawings to be prepared by end of summer.
- Project close out meeting to be held on July 23/24.
- Administrative close out to be completed by October 31, 2013

Risks/Issues:

- Contractor did not meet contractual completion date. 11 days consideration charged.
- Contractor to be back-charged on final estimate for CP Rail flagging costs as a result of repeated safety violations.
- Project mistakenly placed waste material (approx 20,000 cubic metres) beyond ministry pit boundaries onto private property, Ministry of Transportation and Infrastructure property group working with landowners to resolve. Expected resolution Fall 2013.

Photo-Pre-Construction:



Overhead from side looking West



Overhead West Approach



Tonkawatla Looking West



Tonkawatla Pullout looking east



West end looking east



During Construction Pictures: Photographs to March 31, 2012





Photographs Nearing Completion and Upon Completion



Completed by the rails



Completed structure

Highway 1: Donald Bridge and Overhead Replacement

Scope

This project entails replacing the existing Donald Bridge with a new four-lane structure, replacing the existing CPR Overhead with a new structure and approximately 4.0 kilometres of four-laning to a 100 km/hr design standard.

A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in July 2013 (signed off July 19).

Fiscal Year 2012/13 Accomplishments

- Project substantially completed November 2012.
- Opening event held September 21, 2012, with both Federal and Provincial attendees.
- Existing structures removal completed January 2013.

Expected Activities to September 15, 2013/ Next Six Months

- Final works and deficiencies completed May 31, 2013.
- Final quantities being reviewed and final estimate and S/A to be submitted in June.
- Project close out meeting to be held on July 23/24.
- As-built drawings to be prepared by end of summer.
- Workers recognition plaque to be installed summer 2013.
- Administrative close-out to be completed by October 31, 2013.

Risks/Issues

- Issues over additional works related to deck work, additional Type D availability for grade construction, less suitable material than anticipated in embankment excavation, additional works not identified at time of tender, resulting in approx \$1.2 million worth of contract increase issued through supplemental agreements. This has been resolved.
- Old Donald Bridge east pier was taken down to ice nosing as per contract, but is contrary to NWPA requirements. New NWPA application is being made asking for a variance as the remaining structure will be above the Q100 water levels this not posing a navigation hazard. If variance is not granted then project will remove remainder of pier to below river bed elevations in winter when low water levels are achieved. This is expected to be resolved by end of summer 2013.

Photos before and during construction:

Before:



2011/12 Photographs:





May 29, 2011



May 26, 2012 (one year later)

Current and Completion Photographs:

Underway – nearing completion



Upon completion



**Donald
Intersection Upon
Completion**





Project Overview: Highway 97A: Pleasant Valley Cross Road to Landsdowne Road

Scope:

This project entails upgrading approximately four kilometers of Highway 97A from Pleasant Valley Cross Road to Landsdowne Road to a four-lane design standard, including upgrading five intersections (left-turn bays and deceleration/acceleration tapers) and a “protected tee” intersection at Smith Road.

Status:

A Schedule D (Affidavit of Completion) was submitted to Transport Canada for this project in March 2012 (signed off March 20). The completed project is now in service and performing very well.

Photographs

The following photographs are of the project before construction:



The following photographs are of the project during construction:





The following photographs are of the project upon completion:



October 18, 2011 Official Opening Event – November 10, 2011 – MLA George Abbott, MP Collin Mayes, Mayor of Spallumcheen and acting Mayor of Armstrong attended the opening event.





Project Overview: Highway 97: Westside Road Interchange

Scope:

This project entails replacing existing at-grade intersection of Westside Road and Highway 97 with a grade separated interchange and associated road network connections.

Accomplishments Fiscal 2012/13

- Construction of MSE Walls North and South for Nancee Way Overpass completed.
- Nancee Way Overpass completed and opened to traffic.
- Top lift paving of Highway 97 completed.
- Landscaping completed.
- Electrical works completed and accepted by ministry electrical contractor.
- Final line painting.
- Wall "A" remediation works got underway in January 2013.

Milestones

- Top lift paving completed and traffic moved to final alignment on Nancee Way Overpass on November 23, 2012.
- Line painting and barrier placement completed December 6, 2012.
- Nancee Way Road opened to public April 20, 2013.
- Project completion estimated to be July 30, 2013.
- A Schedule D (Affidavit of Substantial Completion) was submitted to Transport Canada on September 10, 2013.

The project is substantially completed. The project team will be completing an access road under day labour and finalizing contract issues with Ledcor (contractor) in order to issue a completion certificate and process final progress payment and holdback. The in-service date is April 12, 2013.

Activities April 2013 – mid-November 2013

- Walk through of project was done on April 11 and the District has assumed responsibility for maintenance of Highway 97, interchange ramps and roundabout as of April 12.

- Completed Nancee Way Road – opened April 20, 2013.
- Wall "A" remediation works completed April 22.
- Ledcor has completed their contract.
- Louie Access Road construction is underway by day labour – anticipated completion June 30.
- Hydro/Telus poles/underground will be relocated to their final position.
- Project completion estimated to be July 30.
- Resolve any issues with Ledcor and process final progress payment and release holdback (could go beyond July 30, if a claim is submitted)
- Continue to work on land exchange.

Issues

- The Project team has not received assurance documents regarding the sign-off on Wall "A" remediation.
- Land exchange has not been resolved.
- Possibility of a claim or litigation by Ledcor.

Photographs

The following photographs are of the project during construction and substantial completion:



Aerial view of Nancee Way Overpass construction – April 18, 2012



Nancee girder installation underway Sept 25 2012



Highway 97 north of WR Underpass paving, barriers, lines complete Oct 2012



Nancee deck, placing completed, curing operations underway Oct 15 2012



Highway 97 barriers installed, line painting completed Dec 06 2012. (Nancee Way Overpass shown at top third of photo)



Nancee Way opens to public traffic at 11:30 a.m.; April 20, 2013



MSE Wall A repairs now completed and backfilled; April 22, 2013

COMMUNICATION ACTIVITIES COMPLETED DURING FISCAL YEAR

There were no communication events or news releases for this program during the 2012/13 fiscal year.

A Year-end Summary Table of Expenditures Under the Agreement

Please refer to Table 3 for complete details on year-end expenditures against existing contracts, as of March 31, 2013, for each of the respective milestones:

■ Highway 1: Brake Check to Yoho National Park

15 contracts have been established for a total cost of \$56,681,188.46. A total of \$56,681,188.46 has been expended against these 15 contracts (100% of the existing contracts).

■ Highway 1: Golden Hill to West Portal

21 contracts have been established for a total cost of \$46,286,113.08. A total of \$41,035,404.98 has been expended against these 21 contracts (88.66% of the existing contracts).

■ Highway 1: Monte Creek to Pritchard

13 contracts have been established for a total cost of \$33,400,000. A total of \$11,512,634.84 has been expended against these 13 contracts (34.47% of the existing contracts).

■ Highway 97A: Larkin Road to Crozier Road

10 contracts have been established for a total cost of \$19,935,536.97. A total of \$19,935,536.97 has been expended against these 10 contracts (100% of the existing contracts).

■ Highway 97: Winfield to Oyama

14 contracts have been established for a total cost of \$53,569,947.92. A total of \$30,571,215.08 has been expended against these 14 contracts (56.97% of the existing contracts).

■ Highway 1: Pritchard to Hoffman's Bluff

15 contracts have been established for a total cost of \$53,800,000. A total of \$2,331,825.01 has been expended against these 15 contracts (4.33% of the existing contracts).

■ Highway 1: Clanwilliam Overhead Replacement

15 contracts have been established for a total cost of \$24,053,211.46. A total of \$21,728,251.59 has been expended against these 15 contracts (90.33% of the existing contracts).

■ Highway 1: Donald Bridge and Overhead Replacement

19 contracts have been established for a total cost of \$51,088,002.26. A total of \$47,418,315.56 has been expended against these 19 contracts (92.82% of the existing contracts).

■ Highway 97A: Pleasant Valley Cross Road to Lansdowne Road

19 contracts have been established for a total cost of \$51,088,002.26. A total of \$47,418,315.56 has been expended against these 19 contracts (92.82% of the existing contracts).

■ Highway 97: Westside Road Interchange

Four contracts have been established for a total cost of \$21,954,000. A total of \$19,712,365.52 has been expended against these four contracts (89.79 % of the existing contracts).

Overall, as of the end of the fiscal year 2012/13, 133 contracts corresponding to the 10 projects had been established on the on-line Transport Canada Surface Infrastructure System (SIS) administration system for a total cost of \$374,178,000 out of a SIS-active sharable cost of \$374,178,000. A total of \$264,246,738 has been expended against these 133 contracts (70.62% of the existing value of the 133 contracts), with \$60,800,580 claimed in the 2012/13 Fiscal Year.

Table 3

CANADA-BRITISH COLUMBIA BUILDING CANADA FUND CORE NATIONAL HIGHWAY SYSTEM – 2008-2009/2016-2017

Schedule of Detailed Expenditure Claims for the Year Ended March 31, 2013

Project Number	Project/Claim Description	Contract Number	Eligible Costs Claimed in 2012/13 (\$)
1.1	Hwy1: Brake Check to Yoho National Park Grading, paving, drainage, electrical and bridge construction on Phase 3 Segment 4 Kicking Horse Canyon Owner's engineering	22594MJ0001 260CS0590A	(161,305) 28,005
	Subtotal		(133,300)
1.2	Hwy 1: Golden Hill to West Portal Hired equipment/day labour works Construction supervision Miscellaneous construction Utilities and signage Design/build contract 4 km wall and approaches Materials testing and inspection Geotechnical engineering services Owner's engineering Bridge in-plant quality assurance services	22592_Day_Labour 22592_Field_Serv 22592_Misc_Con 22592_Util_Signage 22592DB0001 22592MJ0008 256CS1041 256CS1055 260CS0590A 722CS4678	244 430,000 44,165 35,800 1,617,129 2,206,183 15,670 108,453 784,743 8,400
	Subtotal		5,250,785
1.3	Hwy 1: Monte Creek to Pritchard Construction cameras Various engineering services Various environmental services Construction supervision Aboriginal consultant/accommodation costs Miscellaneous construction Utilities and signage Four laning – Phase 1 Electrical installation	21931_Const_Cam 21931_Engineer 21931_Environ 21931_Field_Serv 21931_FN 21931_Misc_Con 21931_Util_Signage 21931MJ0000 22580OP2007	1,774 220,547 1,181,090 725,000 362,994 9,633 54,571 5,679,010 190,950
	Subtotal		8,425,570
1.4	Hwy 97A: Larkin Road to Crozier Road		
	Subtotal		–

Table 3 (continued)

Project Number	Project/Claim Description	Contract Number	Eligible Costs Claimed in 2012/13 (\$)
1.5	Hwy 97: Winfield to Oyama		
	Construction cameras	11763OP0001	5,125
	Various engineering services	21347_Engineer	9,015
	Various environmental services	21347_Environ	115,756
	Construction supervision	21347_Field_Serv	2,156,024
	Aboriginal consultant/accommodation costs	21347_FN	2,175,433
	Various geotechnical services	21347_Geotech	48,833
	Utilities and signage	21347_Util_Signage	1,859
	Four-laning Winfield to Oyama	21347MJ0001	10,661,256
	Engineering Services	256CS0851	85,228
	Bridge in-plant quality assurance services	722CS4678	2,849
	Subtotal		15,261,368
1.6	Hwy 1: Pritchard to Hoffman's Bluff		
	Fencing	21930_Fencing	26,616
	Construction supervision	21930_Field_Serv	80,187
	Utilities and Signage	21930_Util_Signage	1,653
	Off-reserve archaeological services	254LA0089	663,400
	On-reserve archaeological services	254LA0091	432,101
	Agricultural land assessment services	254LM6193A	1,566
	Functional and detailed design	256CS0829	125,621
	Project supervision	257CS1032	18,105
	Subtotal		1,349,248
1.7	Hwy 1: Clanwilliam Overhead Replacement		
	Construction cameras	22546_Constr_Cam	1,812
	Fibre optic and culvert upgrades	22546_CPR	28,851
	Various environmental services	22546_Environ	119,333
	Construction supervision	22546_Field_Serv	1,604,477
	Plant inventory report and Wetland inventory	22546_FN	20,900
	Drilling and sampling; materials testing and inspection	22546_Geotec	1,873
	Clanwilliam Overhead No. 0354 replacement	22546MJ0000	9,595,072
	Utilities and signage	22549_Util_Signage	1,518
	Pavement marking	255PM22890	10,224
	Bridge and highway design engineering	256CS0903	59,621
	Engineering services – highway design	256CS1003	12,090
	Bridge in-plant quality assurance services	722CS4678	24,992
	Subtotal		11,480,762

Table 3 (continued)

Project Number	Project/Claim Description	Contract Number	Eligible Costs Claimed in 2012/13 (\$)
1.8	Hwy 1: Donald Bridge and Overhead Replacement		
	Audit costs	11-12 BCF Audit	19,500
	Construction cameras	21745_Construc_Cam	8,586
	Culvert replacement	21745_CPR	67,270
	Hired equipment/day labour works	21745_Day_Labour	21,600
	Various engineering services	21745_Engineer	3,973
	Various environmental services	21745_Environ	40,657
	Lighting and chainup area	21745_Light_Chainup	47,999
	Utilities and signage	21745_Util_Signage	800
	Construction of two four-lane structures	21745MJ0001	15,676,184
	Pavement marking	255PM22890	27,174
	Bridge and highway design engineering	256CS0884	79,164
	Site supervision	256CS0981	1,496,740
	Subtotal		17,489,646
1.9	Hwy 97A: Pleasant Valley Cross Road to Landsdowne Road		
	Various engineering services	22550_Engineer	10,964
	Various environmental services	22550_Env_Mon	2,740
	Construction supervision	22550_Field_Serv	1,398,864
	Miscellaneous construction costs	22550_Misc_Const	77,350
	Utilities and signage	22550_Util_Signage	1,294
	Grading and paving	22550MJ0001	185,278
	Subtotal		1,676,490
1.10	Hwy 97A: Westside Road Interchange		
	Subtotal		–
	TOTAL		60,800,580

Annual Audit of Program

The audit evaluated the claims submitted for payment under the agreement to ensure that they are free of material misstatement and that they are consistent with the eligible costs requirements of the agreement. The audit was undertaken in accordance with accepted auditing standards such as the rules of the Canadian Institute of Chartered Accountants by an independent certified chartered accountant (CA). The audit was conducted by the **Office of Auditor General of BC**.



INDEPENDENT AUDITOR'S REPORT

To the Management Committee of the Canada – British Columbia Building Canada Fund, Contribution Agreement for Core National Highway System Projects, 2008-2009 – 2016-2017:

I have audited the accompanying Schedule of Detailed Expenditure Claims for the year ended March 31, 2013 and a summary of significant accounting policies and other explanatory information (together “the schedule”). The schedule has been prepared by management of the British Columbia Ministry of Transportation and Infrastructure using the basis of accounting described in Note 3.

Management's Responsibility for the Schedule

Management is responsible for the preparation of the schedule in accordance with the basis of accounting as described in Note 3; this includes determining that the applicable financial reporting framework is acceptable to the preparation of the schedule in the circumstances, and for such internal control as management determines, is necessary to enable the preparation of a schedule that is free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

My responsibility is to express an opinion on the schedule based on my audit. I conducted my audit in accordance with Canadian generally accepted auditing standards. Those standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the schedule is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedule. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the schedule, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the schedule in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the schedule.

In my view, the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

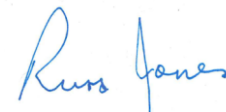
Opinion

In my opinion, the Schedule of Detailed Expenditure Claims for the year ended March 31, 2013 is prepared, in all material respects, in accordance with the basis of accounting as described in Note 3.

Basis of Accounting and Restriction on Use

Without modifying my opinion, I draw your attention to Note 3 to the schedule, which describes the basis of accounting. The schedule is prepared to assist the Government of British Columbia to meet the reporting requirements of the Government of Canada as specified in the agreement. As a result, the statement may not be suitable for another purpose. My report is intended solely for the Government of British Columbia and Government of Canada and should not be used by parties other than the Government of British Columbia and the Government of Canada.

Victoria, British Columbia
July 30, 2013


Russ Jones, MBA, CA
Auditor General

CANADA - BRITISH COLUMBIA BUILDING CANADA FUND
CORE NATIONAL HIGHWAY SYSTEM
2008-2009 / 2016-2017

Schedule of Detailed Expenditure Claims
For the Year Ended March 31, 2013

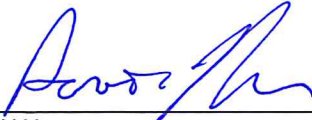
Project Number	Project/Claim Description	Contract Number	Eligible Costs Claimed in 2012/13 (\$)
1.1	Hwy 1: Brake Check to Yoho National Park		
	Grading, Paving, Drainage, Electrical & Bridge Construction On Phase 3		
	Segment 4 Kicking Horse Canyon	22594MJ0001	(161,305)
	Owner's engineering	260CS0590A	28,005
	Sub-total		(133,300)
1.2	Hwy 1: Golden Hill to West Portal		
	Hired equipment/day labour works	22592_Day_Labour	244
	Construction supervision	22592_Field_Serv	430,000
	Miscellaneous construction	22592_Misc_Con	44,165
	Utilities and signage	22592_Util_Signage	35,800
	Design/build contract	22592DB0001	1,617,129
	4 km wall and approaches	22592MJ0008	2,206,183
	Materials testing and inspection	256CS1041	15,670
	Geotechnical engineering services	256CS1055	108,453
	Owner's engineering	260CS0590A	784,743
	Bridge in-plant quality assurance services	722CS4678	8,400
	Sub-total		5,250,785
1.3	Hwy 1: Monte Creek to Pritchard		
	Construction cameras	21931_Const_Cam	1,774
	Various engineering services	21931_Engineer	220,547
	Various environmental services	21931_Environ	1,181,090
	Construction supervision	21931_Field_Services	725,000
	Aboriginal consultation/accommodation costs	21931_FN	362,994
	Miscellaneous construction	21931_Misc_Con	9,633
	Utilities and signage	21931_Util_Signage	54,571
	Four laning - Phase 1	21931MJ0000	5,679,010
	Electrical installation	22580OP2007	190,950
	Sub-total		8,425,570
1.4	Hwy 97A: Larkin Road to Crozier Road		
	Sub-total		-
1.5	Hwy 97: Winfield to Oyama		
	Construction cameras	11763OP0001	5,125
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	Various environmental services	21347_Environ	115,756
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	Bridge in-plant quality assurance services	722CS4678	2,849
	Sub-total		15,261,378

CANADA - BRITISH COLUMBIA BUILDING CANADA FUND
CORE NATIONAL HIGHWAY SYSTEM
2008-2009 / 2016-2017

Schedule of Detailed Expenditure Claims
For the Year Ended March 31, 2013

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	Fencing	21930_Fencing	26,616
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	Off reserve archaeological services	254LA0089	663,400
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	Functional and detailed design	256CS0829	125,621
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	Construction supervision	22550_Field_Serv	1,398,864
	Miscellaneous construction costs	22550_Misc_Const	77,350
	Utilities and signage	22550_Util_Signage	1,294
	Grading and paving	22550MJ0001	185,278
	Sub-total		1,676,490
1.10	Hwy 97: Westside Road Interchange		
	Sub-total		-
TOTAL			60,800,580

Approved by:



David Marr
Executive Director
Program Development and Monitoring



Dave Stewart
Chief Financial Officer
Finance and Management Services

**CANADA-BRITISH COLUMBIA
BUILDING CANADA FUND
CORE NATIONAL HIGHWAY SYSTEM
2008-2009 – 2016-2017**

**Notes to the Schedule of Detailed Expenditure Claims
For the Year Ended March 31, 2013**

1. Nature of the Agreement

The Government of Canada and the Province of British Columbia entered into the *Building Canada Fund, Contribution Agreement for Core National Highway System Projects, 2008-2009 – 2016-2017* (“the Agreement”) on July 23, 2010.

The purpose of this Agreement is to build, enhance and modernize public infrastructure in British Columbia through a 50/50 cost sharing agreement for eligible costs to a maximum of \$215.589 million.

2. Costs

Eligible Costs:

The Agreement specifies “Eligible Costs” in Schedule A – Eligible and Ineligible Costs, at paragraph A.1. Within certain restrictions, also specified in the Agreement, these include:

- a) *The capital costs of acquiring, constructing or renovating a tangible capital asset, as defined and determined according to accounting principles generally accepted in Canada;*
- b) *The costs of joint communication activities (press releases, press conferences, translation, etc.) and road signage recognition set out in the communication protocol that will form part of the Framework Agreement;*
- c) *All planning (including plans and specifications) and assessment costs specified in the agreement such as the costs of environmental planning, surveying, engineering, construction administration, testing and management consulting services. Canada will contribute no more than 15% of its contribution to this cost;*

- d) *The costs of engineering and environmental reviews, including environmental assessments and follow-up programs as defined in the Canadian Environmental Assessment Act and the costs of remedial activities, mitigation measures and follow-up identified in any environmental assessment;*
- e) *Costs related to project-related signage, lighting, project markings and utility adjustments;*
- f) *Costs of aboriginal consultation;*
- g) *The costs of developing and implementing innovative techniques for carrying out the Projects listed in Schedule B;*
- h) *Province of British Columbia audit and evaluation costs as specified in the agreement and;*
- i) *Other costs that, in the opinion of Canada, are considered to be direct and necessary for the successful implementation of the Projects and have been approved in writing prior to being incurred.*

Ineligible Costs:

The Agreement specifies “Ineligible Costs” in Schedule A – Eligible and Ineligible Costs, at paragraph A.2. as:

- a) *Costs incurred before the date indicated by the Minister in writing to the Province of British Columbia following the Minister’s approval of any Project listed in Schedule B;*
- b) *Costs incurred after the Agreement completion date;*
- c) *The cost of developing a business case or proposal for funding;*
- d) *The cost of purchasing land and associated real estate and other fees;*
- e) *Financing charges and interest payments on loans;*
- f) *Leasing land, buildings, equipment and other facilities;*
- g) *General repairs and maintenance of a Project work and related structures, unless they are part of a larger capital expansion project tied to capital expansion;*
- h) *Services or works normally provided by the Province of British Columbia, incurred in the course of implementation of the Project, except those specified as Eligible Costs;*
- i) *The cost of any goods and services which are received through donations or in kind;*
- j) *Employee wages and benefits, overhead costs as well as other direct or indirect operating, maintenance and administrative costs incurred by the Province of British Columbia, and more specifically costs relating to services delivered directly by permanent employees of the Province of British Columbia, or of a Crown Corporation or corporation owned and controlled by the Province of British Columbia except as per A.1 i) above or in cases where the Province of British Columbia can demonstrate value for money and that the costs are incremental;*

- k) Provincial sales tax and the Goods and Services Tax for which the Province of British Columbia is eligible for a rebate, and any other costs eligible for rebates; and*
- l) Legal fees.*

3. Basis of Accounting and Accounting Policies

All transactions and financial data relating to the expenditures under this agreement have been accounted for in accordance with Canadian Generally Accepted Accounting Principles.

The Eligible Costs Claimed in 2012/2013 represent the actual value of claims submitted to the Federal Government during the 2012/2013 fiscal year. Canada agrees to pay a contribution to the Province of British Columbia of not more than 50% of the total Eligible Costs, subject to the terms and conditions of the Agreement. Eligible costs claimed in 2012/2013 may include expenditures incurred in fiscal 2008/09, 2009/2010, 2010/2011 or 2011/2012 that were submitted for reimbursement during fiscal 2012/2013.

Canada British Columbia Building Canada Fund

ANNUAL REPORT 2011/12
Fiscal Year Ended March 31, 2012



Transport
Canada

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