

(FISCAL YEAR ENDED MARCH 31, 2008)

August 2008

Ministry of
Transportation and Infrastructure


An annual progress report is required under section 5.02.05 of the Border Crossing Component of the Strategic Highway Infrastructure Program Contribution 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 2007/08 (ending March 31, 2008) the status of the 10 SHIP projects, environmental assessments and audits were as follows ${ }^{1}$ :

- 8th Avenue Improvements (Highway 15 and 99) - The approval of the environmental review (CEAA) was given by Transport Canada on February 4, 2004. A total of $\$ 14,652,834$ has been expended against 8 contracts, as of the end of the 2006/07 fiscal year. Since construction began on June 1, 2004, \$481,582 has been expended towards Provincial Expenditures with $\$ 996,516$ towards Design and Engineering. Since construction began on June 1, 2004 there was $\$ 13,174,736$ of construction claims. This project is now complete and in-service. A Schedule C (Affidavit of Completion) was affirmed on March 13, 2006.

Highway 15: ITS/CVO Truck [FAST] Lane and Nexus Lane - The approval of the environmental review (CEAA) was given by Transport Canada on March, 9 2004. A total of $\$ 2,718,369$ has been expended against 8 contracts, as of the end of the 2004/05 fiscal year. $\$ 226,738$ has been expended towards Provincial Expenditures with $\$ 136,052$ towards Design and Engineering. Since construction began on June 1, 2004 there $\$ 2,355,580$ of construction claims. The project is now complete and in-service. Construction was completed in October 2004 with some local complaints about truck noise and vibration. A Schedule C (Affidavit of Completion) was affirmed on June 27, 2005.

Highway 15: ITS/CVO System Enhancements - As this project entails only technical and electronic improvements there was no requirement for an environmental review (CEAA) approval by Transport Canada. Project Completed. A total of $\$ 261,724$ had been expended against 1 contract, as of the end of the 2004/05 fiscal year. This project was completed March 31, 2004 with a Schedule C (Affidavit of Completion) affirmation on August 12, 2004.

- Highway 15/88th Avenue - The approval of the environmental review (CEAA) was given by Transport Canada on July 12, 2004. A total of $\$ 3,254,783$ has been expended against 9 contracts, as of the end of the 2007/08 fiscal year. Claims for the 2007/08 fiscal year were $\$ 507,333$.

Highway 13: Truck Climbing Lane - A key deliverable, the long-term corridor plan was submitted on July 20, 2005 to Transport Canada. Although, the truck climbing lane remains a priority for which the constituent study demonstrates its viability, the Province and Canada mutually agreed to early in early 2006 not to proceed with the Highway 13 climbing lane, but rather to transfer the remaining construction-based funding against incremental eligible costs on Highway 15/88th Avenue. This fact is reflected in Schedule "B" revisions of this report (Revision 16). A total of $\$ 134,354$ has been expended against 3 contracts, primarily provincial expenditures and planning, as of the end of the 2005/06 fiscal year.

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 FAST/NEXUS project is $\$ 3.336$ Million but only $\$ 2.718$ Million is eligible for cost-sharing.

- Highway 11: (Commercial Staging Area) - The approval of the environmental review (CEAA) was given by Transport Canada on January 8, 2003 . Construction is now complete as the staging area was in use by trucks early in the summer of 2004. A total of $\$ 1,562,184$ has been expended against 3 contracts, as of the end of the 2005/06 fiscal year. A total of $\$ 1,174,660$ has been expended towards Construction, \$276,289 towards Provincial Expenditures with the remaining $\$ 111,235$ towards Design and Engineering. This project was completed July 2004 with a Schedule C (Affidavit of Completion) affirmation on June 27, 2005.
- Highway 15/99 Advanced Traveller Information System (ATIS) - As this project entails only technical and electronic improvements there was no requirement for an environmental review (CEAA) approval by Transport Canada. Project Completed. A total of $\$ 600,000$ has been expended against 1 contract, as of the end of the 2004/05 fiscal year. This project was completed December 15, 2003 with a Schedule C (Affidavit of Completion) affirmation March 22, 2005.
- Highway 99: NEXUS Lane Extension - The approval of the environmental review (CEAA) was given by Transport Canada on April 15, 2004. The project was tendered with the 8th Avenue improvements project for economies of scale and efficiency reasons. A total of $\$ 96,402$ has been expended against 4 contracts, as of the end of the 2005/06 fiscal year. There were no claims in the 2005/06 fiscal year. This project was completed December 15, 2004 with a Schedule C (Affidavit of Completion) affirmation June 22, 2006.

■ Environmental Assessment - A total of $\$ 30,915$ has been expended against 5 contracts:
(1) Environmental Assessment; (2) 2003/04 Annual Audit performed by the Office of the Auditor General of British Columbia; (3) 2004/05 Annual Audit performed by the Office of the Auditor General of British Columbia;(4) 2005/06 Annual Audit performed by the Office of the Auditor General of British Columbia; and, (5) 2006/07 Annual Audit performed by the Office of the Auditor General of British Columbia.

- Highway 15: Extension of FAST Truck Lane, was added to the Program in April 2005. The approval of the environmental review (CEAA) was given by Transport Canada on March 17, 2006. A total of $\$ 3,886,695$ has been expended against 7 contracts, as of the end of the 2007/08 fiscal year. \$320,030 has been expended towards Provincial Expenditures and $\$ 355,797$ towards Design and Engineering. This project was completed in May 2007 with a Schedule C (Affidavit of Completion) affirmation on June 8, 2007.

Overall, as of the end of the fiscal year 2007/08, 49 contracts had been established on HIGHWAY CONTRIBUTION MANAGEMENT SYSTEM (HCoMS) for a total cost of $\$ 28,200,850$ out of a total HCOMS-active sharable cost (across 10 projects and environmental assessments) of \$ 28,207,750 (99.98\% of HCOMS-active sharable cost). A total of $\$ 27,198,234$ has been expended against these 49 contracts ( $96.44 \%$ of the existing value of the 49 contracts).

# DATE, LOCATION AND AGENDA ITEMS OF OFFICIAL MANAGEMENT COMMITTEE MEETINGS 

- Minutes of Meeting

Canada - British Columbia
Strategic Highway Infrastructure Program
Borders (SHIPB)
Management Committee Meeting
October 29, 2007
Teleconference
In Attendance:
Transport Canada Jim Lothrop (A/Federal Co-Chair)
Kim Aziz (Manager, Highways Program)
James Clarkin
Province of British Columbia David Marr (Provincial Co-Chair)
Avi Ickovich
(Manager, Program Development and Monitoring

### 1.0 Opening Remarks - Introduction

### 2.0 Administrative Details

2.1 Note taker - Kim Aziz was designated the Note Taker.
2.2 Approval of last meetings minutes - The minutes from the October 5, 2006 Management Committee were accepted and approved.

### 3.0 SHIPB Program Management

3.1 The 2006-2007 audit has been sent by email to TC. The annual report is at the printers and should be coming in the next couple of weeks.
3.2 Update on Highway 15 at 88th Avenue
3.2.1 The preloading at the intersection is completed. The completion date for this project is end of 2008.

## SCHEDULE B REVISIONS:

Schedule "B" revisions: Please refer to Table 1 outlining the evolution of Schedule B during the 2007/08 fiscal year. Table 2 (Statement of Changes) calculates the cash flow and budget changes across revisions.

Revision 21. May 3, 2007-This revision entailed final changes at the end of the 2006/07 fiscal year;

Revision 22. November 8, 2007 - This revision is the first revision after May 3rd, 2007 [Revision \#21], the end of the 2006/07 fiscal year. This exercise has traditionally been conducted at the request of Transport Canada for HCOMS (Transport Canada on-line administration system) to open the next year after the Annual Report has been approved by Transport Canada. The Province and Transport Canada therefore took this opportunity to reflect the following changes:

- Transferring \$31,963 sharable costs (\$15,981 federal contributions) from the Highway 15/88th Avenue project to the Highway 15: Extension of FAST Truck Lane (4th to 8th Avenue);
- Shifting \$1,040,013 from the 2007/08 fiscal year to the 2008/09 fiscal year for the Highway 15/88th Avenue project; and,
- There were no changes to "Unallocated Funds", as all Programs funds were fully allocated.

Revision 23. March 28, 2008 - This revision entailed the following changes:

- Shifting \$167,334 from the 2008/09 fiscal year to the 2007/08 fiscal year for the Highway 15/88th Avenue project; and;
- There were no changes to "Unallocated Funds", as all Programs funds were fully allocated.


## Table 1



Table 1 cont'd.

| Hwy Project | Estimated Project Cost | Sharable Project Cost | Agreement Contribution |  | 2002/03 | 2003/04 |  | Breakdown of Expenditures |  |  | 2007/08 | 2008/09 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Federal | Provincial |  |  |  | 2004/05 | 2005/06 | 2006/07 |  |  |
| 99/15 8th Avenue Improvements | \$16,248,680 | \$14,652,808 | \$7,326,417 | \$7,326,391 |  | \$ | \$502,746 | \$8,019,574 | \$6,130,488 |  |  |  |
| 15 ITS/CVO Truck Lane and NEXUS Lane | \$3,335,574 | \$2,718,369 | \$1,359,191 | \$1,359,178 |  | \$ | \$142,808 | \$2,575,561 |  |  |  |  |
| 15 ITS/CVO System Enhancements | \$493,824 | \$261,724 | \$130,863 | \$130,861 |  | \$ | \$261,724 |  |  |  |  |  |
| 15 88th Avenue Intersection Improvements | ts \$4,670,000 | \$4,257,398 | \$2,128,699 | \$2,128,699 |  | \$ |  | \$175,000 | \$1,575,000 | \$997,450 | \$507,334 | \$1,002,614 |
| 13 Truck Climbing Lane | \$134,354 | \$134,354 | \$67,179 | \$67,175 |  | \$ | \$4,385 | \$111,000 | \$18,969 |  |  |  |
| 11 Commercial Vehicle Staging Area | \$2,389,771 | \$1,562,184 | \$781,096 | \$781,088 |  | \$ | \$1,000,163 | \$552,021 |  |  |  |  |
| 15/99 Advanced Traveller Information System (ATIS) | \$2,428,980 | \$600,000 | \$300,000 | \$300,000 |  | \$ | \$600,000 |  |  |  |  |  |
| 99 Nexus Lane Extension | \$485,404 | \$96,402 | \$48,203 | \$48,199 |  | \$ | \$25,911 | \$70,491 |  |  |  |  |
| Environmental Assessment Costs | \$37,813 | \$37,813 | \$18,877 | \$18,936 |  | \$ | \$11,400 | \$4,410 | \$4,000 | \$4,000 | \$8,000 | \$6,003 |
| Unallocated Funds | \$ | \$ | \$ | \$ |  |  |  |  | \$ |  |  |  |
| 15 Extension of Highway 15 FAST Truck Lane | \$3,977,458 | \$3,886,698 | \$1,943,349 | \$1,943,349 |  | \$ | \$ | \$ | \$355,269 | \$2,738,353 | \$793,074 |  |
| Total | \$34,201,857 | \$28,207,750 | \$14,103,875 | \$14,103,874 |  | \$ | \$2,59, 137 | \$11,508,057 | \$8,083,726 | \$3,739,803 | \$1,308,408 | \$1,008,617 |

Table 2
STATEMENT OF CHANGES FOR SCHEDULE B DURING THE FISCAL YEAR 2007/08 (Year ending March 31, 2008)


## PROJECT UPDATES

- A map of all current SHIP projects as of March 31, 2008, is included for reference purposes. The map includes projects under both the Highway Construction Component and under the Border Crossing Component of SHIP.
- 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". However, it is important to mention that there are no major anomalies from forecasts earlier in the fiscal year 2007/08.
- The following pages of the report entail a series of photographs for the current SHIP projects and are meant to provide not only a portrayal of the actual project, but also a broader geographic topographical, and geologic context, and as such some pictures are overviews.
- As of the end of May 2008 shortly after the end of the 2007/08 fiscal year 8 of 9 (originally 8) SHIP projects have been successfully delivered by the Province, with the requisite Schedule G's (Affidavit of Completion) submitted to Transport Canada.

Major milestones (e.g. opening of a section of a project): The most significant milestone for the 2007/08 fiscal year is the successful completion of the Highway 15: Extension of FAST Truck Lane which was completed in May 2007 with a Schedule C (Affidavit of Completion) affirmation on June 8, 2007.

## 2007/2008 STRATEGIC HIGHWAY INFRASTRUCTURE PROGRAM (SHIP)

Border Crossing Transportation Component (\$28.207 M) Highway Construction Component (\$122.4 M)
(1A) Hwy 99: 8th Avenue Interchange Upgrade (Detail A)
(Completed)

1B 8th Avenue: Widening (Four Lanes) Upgrade (Detail A) (Completed)
1C Hwy 15: 8th Avenue Intersection Upgrade (Detail A)
(Completed) (Completed)
2. Hwy 15: ITS/CVO (Fast) Truck Land and Nexus Lane (Detail A) (Completed)
3 Hwy 15: Intelligent Transportation System Commercial Vehicle
Operation Enhancements (Detail A) (Completed) Operation Enhancements (Detail A) (Completed)
4 Hwy 99: Nexus Lane Extension (Detail A) (Completed) 5 Hwy 15: 88th Avenue Intersection Upgrade (Completion 2008/09) 6 Hwy 13: Truck Climbing Lane (Planning Study Completed) 7 Hwy 11: Commercial Vehicle Staging Area (Completed)
8 Hwy 15/99: Advanced Traveller Information System (ATIS) (Completed)
(Completed) (ighway 15: 4th to 8th Avenue FAST/NEXUS Lanes Extension (Completed)
$\left.1 \begin{array}{c}\text { Hwy 97: South Peace Hill (Highway Realignment) } \\ \text { (Completed) }\end{array}\right)$
(Completed)
2 Hwy 16: Blackwater/Shanley (Passing Lanes) (Completed)
3 Hwy 97: Cottonwood Bridge (Realignment/Replacement)
(Completed) (Completed)
4 Hwy 5: Preacher Hill Curves (Highway Realignment)
(Completed)
$\underset{\substack{\text { Hwo 1: Broderick to Ford (Four Laning/Frontage Roads) } \\ \text { (Completed) }}}{ }$
6 Hwy 1:Woods Overhead (RealignmentriReplacement) (Completed)
7 Hwy 1: Victoria Road (Intersection Upgrade/Down Hill Lane) (Completed) 8 Hwy 1: Five Mile Bridge (Four Laning/Replacement) (Completed) 8 Hwy 1: Five Mile Bridge (Four Laning/Replacement) (Completed)
9 Hwy 3: Moyie Bluffs (Reaignment/Climbing Lane) (Completed) 9 Hwy 3: Moyie Bufffs (RealignmentCClimbing Lane) (Completee)
10 Hwy 1: Vedder Interchange (Reconfiguration) (Completed) 10 Hwy 1: Vedder Interchange (Reconfiguration) (Completea)
11 Hwy 1: Annis to Highway 9 (Highway Realignent) (Completed) 12 Hwy 1: 30th Street to Hwy 97B (Realignment/Intersection Improvement) (Completed) 13 Hwy 3/95: Yahk Weigh Scale (Access/Intersection Improvement (Completed) 14 Hwy 1: At 192nd West Facing Ramps (Completed)
15 Hwy 1: Cobble Hill Road to Kimalu Road (Completed)




Economic Development Regions*
(1) Vancouver Island - Coast ( $\$ 5.234 \mathrm{M}$ )
(2) Mainland - Southwest ( $\$ 44.023 \mathrm{M}$ )
(3) Thompson - Okanagan ( $\$ 74.056 \mathrm{M}$ )
(4) Kootenay ( $\$ 8.934 \mathrm{M}$ )
(5) Cariboo ( $\$ 6.815 \mathrm{M}$ )
(6) North Coast ( $\$ 0.0 \mathrm{M}$ )
(7) Nechako (\$0.0 M)
( 8 Northeast ( $\$ 11.401 \mathrm{M}$ )
Totals reflect only cost-shared amounts between the province and Transport Canada

## 8тн AVENUE IMPROVEMENTS

## Project Overview

This project includes four-laning 8th Avenue (a connector road) and interchange improvements at Highway 99 and intersection improvements at Highway 15 (including roundabouts).

This project is now complete and in-service. A Schedule C (Affidavit of Completion) was affirmed on March 13, 2006.

The following are photographs of construction activities in previous years:



Photographs of 8th Avenue Improvements including four laning, roundabout and interchange improvements on both Highway 99 and 15:East Roundabout
Bridge in Background
8th Avenue Facing West at 176th Street

8th Avenue 250m West at 176th Street Facing East

176th Facing North

176th Street South End of Project Facing North

East Roundabout - Bridge in Background


Highway 99 Facing South - New Bridge


Highway 99 Northbound On Ramp


West Roundabout Facing South (In operation)


## HIGHWAY 15: ITS/CVO TRUCK [FAST] LANE AND NEXUS LANE

This project entailed the construction of a combined and dedicated FAST/NEXUS/Bus lane from 4th Avenue to 1st Avenue on Highway 15 diverging to three lanes at the Pacific Highway, BC/ Blaine, Washington border crossing. An adjacent project will shortly commence construction, Highway 15: 4th to 8th Avenue.

Construction was completed in October 2004 with in-service status by March 31, 2005. The Schedule C (Affidavit of Completion) was affirmed June 27, 2005.


The photograph on the left is of the parking lot for trucks close to the border is designed to mitigate congestion and increase throughput at the border.


These south-facing pictures are of the Nexus Lane which are currently not in use due to construction south of border, under US jurisdiction.


The photograph on the left is of Highway 15 looking south towards the US Border:

## HIGHWAY 15: ITS/CVO TRUCK LANE SYSTEM ENHANCEMENTS

This project entails ITS/CVO System Enhancements. This project was completed March 31, 2004 with a Schedule C (Affidavit of Completion) affirmation on August 12, 2004.

## HIGHWAY 15/88TH AVENUE INTERSECTION IMPROVEMENTS

To accommodate historic and future traffic growth at this congested facility, the scope of the project includes:

- A full movement intersection at 88th Avenue that ties into the City of Surrey's 88th Avenue improvements;
- Two lanes of northbound traffic from the 8700 BIk to approximately 92 Ave. These two northbound lanes will tie into the existing northbound lane and the existing truck climbing lane at 92nd Avenue;
- One southbound lane from approximately 92nd Avenue to the 88th Avenue intersection; and,
- Work will also involve widening of shoulders and increased corner radii on all approaches, and the elevation of the road surface to control flooding.
- This intersection (Highway 15/88th Avenue) funded under SHIP is part of a larger Border Infrastructure Program contract P-71101-2011. Contract and construction completion date is October 31, 2008. The Contract extends from 32nd north to 88th along Hwy.15. The SHIP component is the section through 88th Street, tapering down to existing infrastructure just prior to 92nd Street.


Schematic diagram of final configuration of SHIP Project No. 11648 (NTS)

Northern extents of Highway 15 Project Preload


At the 88th Avenue Intersection, preload for the future right turn lane has been placed to the current property limits.


## Activities During the Fiscal Year 2007/2008

## Project Management

Project management efforts in the Fiscal Year 2007/2008 included coordination regarding tie-in works and construction staging on Highway 15 between 88th and 92th Avenue, as well as coordination efforts for design and scheduling for the new 4 laning on 88th Ave by the City of Surrey.

## Engineering:

Works included on going geotechnical monitoring of preload, adjustment of detailed design works to accommodate City of Surrey works still ongoing along 88th Ave.

Stakeholder Consultation:
Stakeholder consultation procedures are in place and functioning effectively.
Property Acquisition:
All properties and partial acquisitions were acquired to meet the current construction needs. A claim was opened by a property in the north-west quadrant of 88th Avenue.

## Environmental:

Environmental monitoring will continue through the Highway 15 Rural contract with Imperial Paving Ltd.

## Construction:

The following are photographs at the beginning of the 2007/08 fiscal year:


Preload was placed in four stages between October and December 2007. The final stage was completed December 142007.


Stage two
preload
placement
at the
Archaeological
Site


Final Lift of preload at the Archaeological Site


The 88th Avenue upgraded drainage network was completed during the 2007/2008 fisheries window. Damage from flooding was avoided and road closures minimized during heavy seasonal rains in winter 2007/08.


## Current Status

The Highway 15 component of the Strategic Highway Improvement Program is on schedule for completion in late 2008 (calendar year).

Final grade construction is waiting on the relocation of Hydro, Telus and Shaw utility poles, expected to be completed spring 2008.

## Activities Proposed during the Fiscal Year 2008/2009

## Project Management:

Project management provided during construction will continue next fiscal. The following matters are ongoing:

- Decision to include communications conduit under the Regional Telecommunications Network upgrades
- Coordination issues with South Coast Region for the construction of 88th Ave to 97th Ave. Highway 15 Project


## Engineering:

Engineering services during construction will continue on an as-required basis.

## Property Acquisition:

Property agents will work toward resolution on an outstanding claim.

## Stakeholder Consultation:

Stakeholder consultation procedures are in place and functioning effectively.

## Environmental:

Monitoring of construction to ensure compliance with applicable regulations will continue with construction.

## Construction:

Hydro, Telus, and Shaw relocates are anticipated to be completed in May 2008. Imperial Paving will continue with final grading works. Preload at the archeological site will remain in place and monitored for an additional 6 months in accordance with geotechnical recommendations. Imperial's current construction strategies includes paving the future northbound lanes, detour traffic, reclaiming, grading and paving the existing highway, removing preload, then constructing the northbound truck climbing lane tie in works.

## HIGHWAY 13: TRUCK CLIMBING LANE AND CORRIDOR STUDY

This project involves the development of a long-term corridor plan to determine the long-term needs of Highway 13, located approximately 50 kilometres east of Vancouver, B.C. This project also includes the construction of a 1.7 kilometre northbound truck climbing lane leading away from the Aldergrove, B.C.I Lynden, Washington border crossing. A key deliverable, the long-term corridor plan was submitted on July 20, 2005 to Transport Canada. Although, the truck climbing lane remains a priority for which the constituent study demonstrates its viability, the Province and Canada mutually agreed to not proceed with the Highway 13 climbing lane, but rather to transfer the remaining construction-based funding against incremental eligible costs on Highway 15/88th Avenue. This fact is reflected in Schedule "B" revisions of this report (Revision 16). Nevertheless, the Planning Study will still provide both levels of government valuable information on the Highway 13 corridor that will be used towards future infrastructure needs.

## HIGHWAY 11: COMMERCIAL VEHICLE STAGING AREA

Located on the Canadian side of the Huntington, B.C./Sumas, Washington border crossing, the staging area is expected to provide 15 pull through spaces for semi-trailers as well as public washrooms.

As of August 2004 the staging area was in use by trucks and improving upon congestion at the border. The Schedule C (Affidavit of Completion) was affirmed June 27, 2005.

Pre-Construction Photographs:




HIGHWAY 15/99: ADVANCED TRAVELLER INFORMATION SYSTEM [ATIS]

The intent of ATIS is to monitor and report on border delays at Highway 99 and Highway 15. The current photographs below illustrate a test of this system as it nears completion. System calibration and validation was completed by May 31, 2004. The Ministry has displayed the test message during the validation. The messages reverted to the automated system by the end of June 2004. The web-site and the interactive voice line were made available to the public at the same time. Please note that the date is not correct in the photographs below and that these are calibration photos. One view is the sign looking southward on Highway 15 and the other view is the sign looking southward on Hwy 99.

There are ongoing discussions with Transport Canada and IMTC about management and use of data on traffic delays and queues. This project was completed June 2004 with a Schedule C (Affidavit of Completion) submission on March 22, 2005.


## HIGHWAY 99: NEXUS LANE EXTENSION

The project entails the extension of the existing dedicated commuter lane on Highway 99 southbound by approximately 700 metres, to be used by pre-approved NEXUS registered drivers. The project was tendered and constructed concurrently with the 8th Avenue Improvements projects for reasons of efficiency (e.g., minimization of remobilization costs and disruption to service).

Construction is completed and the project is now in-service. This project was completed December 15, 2004 with a Schedule C (Affidavit of Completion) affirmation June 22, 2006. The following are photographs of the project.



## HIGHWAY 15: 4TH TO 8TH AVENUE FAST TRUCK LANE

This project added was added to the Program in April 2005. The approval of the environmental review (CEAA) was given by Transport Canada on March 17, 2006. The tender for the project was awarded May 2006.

The following photographs provide the rationale for why upgrading was necessary for the only remaining section of Highway 15 SHIP improvements from the US border to 8th Avenue.


The photographs below provide an indication of the extent of improvement through a series of "Before" and "After" depictions, as well as during construction.

Highway 15
(Before)


Highway 15
(After)



4th Avenue
(Before)


4th Avenue
(After)


West Retaining Wall
(During Construction)


Northbound Weigh Scale Exit (Before)


Turnaround Facility behind Northbound Weigh Scale Exit



Southbound Weigh Scale Facility


Highway 15 after Southbound Weigh Scale


Separating of Trucks and General Purpose Traffic at 4th Avenue


Lane Separation

This project was completed in May 2007 with a Schedule C (Affidavit of Completion) affirmation on June 8, 2007.


## SHIP COMMUNICATIONS ACTIVITIES FOR 2007/08 FISCAL YEAR

There were no communications activities for the last project completed, the Highway 15: 4th to 8th Avenue FAST Truck Lane Extension, which was in-service at the beginning of the 2007/08 fiscal year. The only remaining project under this program, the Highway 15/88th Avenue intersection improvement slated for completion in the 2008/09 fiscal year, also entailed no communications activities.

## 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, 2008, for each of the respective projects:

- 8th Avenue Improvements - Eight contracts have been established for a total cost of $\$ 14,776,706$ out of a sharable project cost of $14,812,000$ ( $99.76 \%$ of sharable cost). A total of $\$ 14,652,808$ has been expended against these 8 contracts ( $99.16 \%$ of existing 8 contracts).
- Highway 15: ITS/CVO Truck [FAST] Lane and NEXUS Lane - Seven contracts have been established for a total cost of $\$ 2,718,369$ out of a sharable project cost of $\$ 2,718,369$ ( $100 \%$ of sharable cost). A total of $\$ 2,718,369$ has been expended against these 8 contracts (100\% of existing 8 contracts). Provincial Expenditures (e.g., BC Ministry of Transportation internal costs such as salaries) claims amounted to $\$ 206,627$.
- Highway 15: ITS/CVO Systems Enhancements - One contract has been established for a total cost of $\$ 261,724$ out of a sharable project cost of $\$ 261,724$ ( $100 \%$ of sharable cost). A total of $\$ 261,724$ has been expended against this one contract ( $100 \%$ of sole contract).
- Highway 15/88th Avenue Intersection Improvements - Nine contracts have been established for a total cost of \$4,257,398 out of a sharable project cost of \$4,257,398 ( $100 \%$ of sharable cost). A total of $\$ 3,254,783$ has been expended against these nine contracts ( $76.45 \%$ of existing nine contracts).
- Highway 13: Truck Climbing Lane - Three contracts have been established for a total cost of $\$ 143,390$ out of a sharable project cost of $\$ 143,390(100 \% \text { of sharable cost })^{2}$. A total of $\$ 134,354$ has been expended against these 3 contracts ( $93.70 \%$ of existing 3 contracts). The three contracts established are for Provincial Expenditures (e.g., BC Ministry of Transportation internal costs such as salaries) and Design Fees, and a Corridor Planning Study, respectively.
- Highway 11: Commercial Staging Area - Three contracts have been established for a total cost of $\$ 1,562,185$ out of a sharable project cost of $\$ 1,562,185$ ( $100 \%$ of sharable cost). A total of $\$ 1,562,184$ has been expended against these three contracts ( $100 \%$ of existing 3 contracts). The three contracts established are for Construction Activities, Provincial Expenditures (e.g., BC Ministry of Transportation internal costs such as salaries) and Design Fees respectively. Provincial expenditures accounted for \$276,289 of claims.
- Highway 15/99: Advanced Traveler Information System - One contract has been established for a total cost of $\$ 600,000$ out of a sharable project cost of $\$ 600,000$ ( $100 \%$ of sharable cost). A total of $\$ 600,000$ has been expended against the one contract (100\% of sole contract).
- Highway 99: Nexus Lane - Four contracts have been established for a total cost of \$96,402 out of a sharable cost of $\$ 96,402$ ( $100 \%$ of sharable cost). A total of $\$ 96,402$ has been expended against these four contracts ( $100 \%$ of existing 4 contracts).

2 The Province and Canada mutually agreed to not proceed with the Highway 13 climbing lane, but rather to transfer the remaining construction-based funding against incremental eligible costs on Highway 15/88th Avenue and Highway 15: 4th to 8th Avenue FAST Truck lane extension. This fact is reflected in Schedule "B" revisions of the previous year annual report (Revision 16).

Environmental Assessment Costs - Five contracts have been established for a total cost of $\$ 30,915$ out of a sharable project cost of $\$ 37,813$ ( $81,54 \%$ of sharable cost). A total of $\$ 30,915$ has been expended against these five contracts ( $100 \%$ of existing contracts).

- Highway 15: Extension of FAST Truck Lane, was added to the Program in April 2005. Seven contracts have been established for a total cost of $\$ 3,886,695$ out of a sharable cost of $\$ 3,886,695$ ( $100 \%$ of sharable cost). A total of $\$ 3,866,695$ has been expended against these seven contracts ( $100 \%$ of existing 7 contracts).

Overall, 49 contracts have been established for a total cost of $\$ 28,200,850$ out of a total sharable projects costs of $28,207,750$ ( $99.98 \%$ of sharable cost). A total of $\$ 27,198,234$ has been expended against these 49 contracts ( $96.44 \%$ of existing 49 contracts).

TABLE 3 - CANADA-BRITISH COLUMBIA IMPROVEMENTS AT BORDER CROSSINGS SCHEDULE OF DETAILED EXPENDITURE CLAIMS FOR THE YEAR ENDED MARCH 31, 2008

| Project <br> Number | Project/Claim Description | Contract Number | Previous Year Expenditure | Current <br> Year <br> Eligible <br> Costs <br> Claimed | Total to Date | Eligible Costs Remaining in Existing Contracts |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0 | 8th Avenue Improvements (Proj. 1.1 Agreement) (\$14,652, |  |  |  |  |  |
|  | 1.1 Widening of 8th Ave to 4 lanes from east side of Hwy 99 to Hwy 15 , including intersection improvements. Construct a new 3-lane bridge over Hwy 99, remove existing bridge. Construct two roundabouts and new ramps. Extend NEXUS lane on Hwy 99 from 8th Ave to Beach Road. | 153MJ0430 | 11,495,466 | - | 11,495,466 |  |
|  | 1.1 Project Supervision for 8th Ave. | C_S_11257_11647 | 1,515,214 | - | 1,515,214 | - |
|  | 1.1 Utilities relocation \& signage | 11257_11647_Util_Signage | 110,454 | - | 110,454 |  |
|  | 1.1 Pavement marking | 11257_Paving | 48,771 | - | 48,771 |  |
|  | 1.1 Videotaping of roundabout operation to be used as an inspection and monitoring tool | 11257_Vid_Mon | 4,815 | - | 4,815 | - |
|  | 1.2 Provincial Expenditures | 11257-PE | 278,577 | - | 278,577 | - |
|  | 1.2 Provincial Expenditures - use of variety of material types from MoT's Strong Pit and Nursery Pit | 11257-Gravel | 203,000 | - | 203,000 | - |
|  | 1.3 Design Fees - Preliminary and Detailed Design | 11257-DF | 996,511 | - | 996,511 |  |
|  |  |  | 14,652,808 | - | 14,652,808 |  |
| 2.0 | Highway 15 (Proj. 1.2 \& 1.5 Agreement) (\$2,718,369) |  |  |  |  |  |
|  | 2.1 ITS/CVO Truck Lane and NEXUS Lane: construction of a combined and dedicated FAST/NEXUS/bus lane from 4th Ave to 1st Ave on Hwy 15 diverging to three separate lanes at the Pacific Hwy, BC/Blaine, Washington border crossing | 153MJ0435 | 1,978,259 | $\checkmark$ | 1,978,259 |  |
|  | 2.1 Paving | 11651_Paving | 20,347 | - | 20,347 |  |
|  | 2.1 Project Supervision | 11651_CMS_Focus | 275,158 | - | 275,158 |  |
|  | 2.1 Pipes reconstruction | Surrey_Pipes | 15,000 | - | 15,000 |  |
|  | 2.1 Utilities and signage | 11651_Util_Signage | 66,815 | - | 66,815 | - |
|  | 2.2 Provincial Expenditures | 11651-PE | 206,627 | - | 206,627 | - |
|  | 2.2 Gravel | 11651_Gravel | 20,111 | - | 20,111 |  |
|  | 2.3 Design Fees | 11651-DF | 136,052 | - | 136,052 |  |
|  |  |  | 2,718,369 | - | 2,718,369 |  |
| 3.0 | Highway 15 (Proj. 1.3 Agreement) (\$261,724) |  |  |  |  |  |
|  | 3.3 Design Fees for Highway 15 ITS/CVO System Enhancements. | 11522-DF | 261,724 | - | 261,724 |  |
|  |  |  | 261,724 | - | 261,724 | . |
| 5.0 | Highway 15/88th Avenue (Proj. 1.6 Agreement) (\$4,257,398 |  |  |  |  |  |
|  | 5.1 Hwy 15/88th Ave Intersection Improvement: | 71101MJ5000 | 1,311,275 |  | 1,311,275 |  |
|  | to accommodate historic and future traffic growth at this | 71101MJ5001 | 79,600 | - | 79,600 | - |
|  | congested intersection, a second through traffic lane | 71101MJ2006 | 58,278 | - | 58,278 | - |
|  | as well as left-turn bays will be added to all approaches. | 71101 MJ 2011 | 64,786 | 322,647 | 387,433 | 939,197 |
|  | 5.1 Project Management and Design | $092 C S 10988$ | 522,054 | 87,352 | 609,406 |  |
|  |  | $092 C 513623$ | 265,476 | 49,071 | 314,547 | 63,418 |
|  | 5.1 Gravel | 11648_Gravel | 270,371 | - | 270,371 | - |
|  | 5.1 Day Labour | 11648_Day_Labour | 48,595 | - | 48,595 | - |
|  | 5.1 Utilities and Materials | Util_Materials_11648 | 127,015 | 48,263 | 175,278 |  |
|  | Sub |  | 2,747,450 | 507,333 | 3,254,783 | 1,002,615 |

Table 3 cont'd

|  |  |  |  | Current Year |  | Eligible Costs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Project |  | Contract |  | Eligible <br> Costs | Total | Remaining in Existing |
| Number | Project/Claim Description | Number | Expenditure | Claimed | to Date | Contracts |

6.0 Highway 13 (Proj. 1.7 Agreement) (\$134,354)
6.1 Truck Climbing Lane: development of a long-term corridor plan to determine the long term needs of Hwy 13 and the construction of a 1.7 km northbound truck climbing lane leading away from the Aldergrove, BC/Lyndon, WA border crossing

| 6.2 | Provincial Expenditures | $11649-\mathrm{PE}$ | 23,354 | - | 23,354 |
| :--- | :--- | ---: | ---: | ---: | ---: | ---: |
| 6.3 | Design Fees | $11649-\mathrm{DF}$ | - | - | - |
|  | $11649-\mathrm{PL}$ | 111,000 | 111,000 |  |  |
|  |  | Sub-total | 134,354 | $\mathbf{1 3 4 , 3 5 4}$ |  |

7.0 Highway 11 (Proj. 1.8 Agreement) ( $\$ 1,562,184$ )
7.1 Commercial Vehicle Staging Area: located on the Canadian side of the Huntington, $\mathrm{BC} /$ Sumas, WA border crossing, the staging

8.0 Highway $15 / 99$ (Proj. 1.9 Agreement) $(\$ 600,000)$

9.0 Highway 99 (Proj. 1.4 Agreement) $(\$ 96,402)$
$\left.\begin{array}{llrlrl} \\ 9.1 & & & & \\ \\ & \text { NEXUS Lane Extension: extension of the existing dedicated } \\ \text { commuter lane on Hwy } 99 \text { southbound by approximately }\end{array}\right)$
10.0 Environmental Assessment Costs $(\$ 37,813)$

| 10.1 Environmental Assessment costs. | Env_SHIP_BCC | 11,400 | - | 11,400 |  |
| :--- | :--- | ---: | ---: | ---: | ---: |
| 10.2 Audit | OAG_03/04 | 4,410 | 4,410 |  |  |
| 10.2 Audit | OAG_04/05 | 4,000 | - | 4,000 |  |
| 10.2 Audit | OAG_05/06 | 4,000 | - | 4,000 |  |
| 10.2 Audit | OAG_06/07 | - | 7,105 | 7,105 |  |
|  | Sub-total | 28,810 | $\mathbf{7 , 1 0 5}$ | $\mathbf{3 0 , 9 1 5}$ | - |

12.0 Extension of Highway 15 FAST Truck Lane $(\$ 3,854,735)$

| 12.1 Extension of Hwy 15 (176th St) FAST lane from just short of 4th Ave to 8th Ave at the Pacific Border Crossing | 11807MJ0000 | 2,540,164 | 597,615 | 3,137,780 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 11807_Gravel | - | 13,424 | 13,424 | - |
|  | 11807_Pavement Markings | - | 8,580 | 8,580 | - |
|  | 11807_Quality Con | 4,415 | - | 4,415 | - |
|  | 11807_Util_Mats | 7,822 | 38,847 | 46,669 | - |
|  | 11807_PE | 253,121 | 66,909 | 320,030 | - |
|  | 11807_DE | 288,099 | 67,698 | 355,797 | 1 |
| Sub-total |  | 3,093,622 | 793,073 | 3,886,695 | 1 |
| TOTAL |  |  |  |  |  |
|  |  | 25,890,723 | 1,307,511 | 27,198,234 | 1,002,616 |

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 the Auditor General of BC.

# Report of the Auditor General of British Columbia 

To the Management Committee of the<br>Contribution Agreement; Canada - British Columbia<br>"Improvements at Border Crossings":

At the request of the Ministry of Transportation on behalf of the Management Committee, I have audited the Schedule of Detailed Expenditure Claims under the Contribution Agreement; Canada - British Columbia "Improvements at Border Crossings" against the eligible costs of the agreement (as defined in Section 4.02 of the agreement dated November 19, 2002) for the year ended March 31, 2008. This financial information is the responsibility of the management of the British Columbia Ministry of Transportation. My responsibility is to express an opinion on this financial information based on my audit.

I conducted my audit in accordance with Canadian generally accepted auditing standards. Those standards require that I plan and perform an audit to obtain reasonable assurance whether the financial information is free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial information. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial information.

In my opinion, this schedule presents fairly, in all material respects, the detailed expenditure claims under the Contribution Agreement; Canada - British Columbia "Improvements at Border Crossings" for the year ended March 31, 2008, in accordance with the provisions of Section 4.02 of the agreement referred to above.

Victoria, British Columbia
May 18 2008


John Doyle MBA, CA Auditor General

## CANADA-BRITISH COLUMBIA IMPROVEMENTS AT BORDER CROSSINGS

## Schedule of Detailed Expenditure Claims <br> For the Year Ended March 31, 2008

| Project Number | Project/Claim Description | Contract Number | Eligible Costs Claimed in 2007/08 (\$) |
| :---: | :---: | :---: | :---: |
| 1.0 | 8th Avenue Improvements (Proj. 1.1 Agreement) (\$14,652,808) <br> 1.1 Widening of 8th Ave to 4 lanes from east side of Hwy 99 to Hwy 15, including intersection improvements. Construct a new 3 -lane bridge over Hwy 99, remove existing bridge. Construct two roundabouts and new ramps. Extend NEXUS lane on Hwy 99 from 8th Ave to Beach Road. |  |  |
|  |  |  |  |
|  |  | 153MJ0430 | - |
|  | 1.1 Project Supervision for 8th Ave. | C_S_11257_11647 | - |
|  | 1.1 Utilities relocation \& signage. | 11257_11647_Util_Signage | - |
|  | 1.1 Pavement marking | 11257_Paving | - |
|  | 1..1 Videotaping of roundabout operation to be used as an inspection and monitoring tool. | 11257_Vid_Mon | - |
|  | 1.2 Provincial Expenditures <br> 1.2 Provincial Expenditures - use of variety of material types from MoT's Strong Pit and | 11257-PE | - |
|  | Nursery Pit. | 11257-Gravel | - |
|  | 1.3 Design Fees - Preliminary and Detailed Design | 11257-DF | - |
|  | Sub-total |  | - |
| 2.0 | Highway 15 (Proj. 1.2 \& 1.5 Agreement) ( $\$ 2,718,369$ ) <br> 2.1 ITS/CVO Truck Lane and NEXUS Lane: construction of a combined and dedicated FAST/NEXUS /bus lane from 4th Ave to 1st Ave on Hwy 15 diverging to three separate lanes at the Pacific Hwy, $\mathrm{BC} / \mathrm{Blaine}$, Washington border crossing. |  |  |
|  |  | 153MJ0435 | - |
|  | 2.1 Paving | 11651_Paving | . |
|  | 2.1 Project Supervision | 11651_CMS_Focus | - |
|  | 2.1 Pipes reconstruction | Surrey_Pipes | - |
|  | 2.1 Utilities and signage | 11651_Util_Signage | - |
|  | 2.2 Provincial Expenditures | 11651-PE | - |
|  | 2.2 Gravel | 11651_Gravel | - |
|  | 2.3 Design Fees | 11651-DF | - |
|  | Sub-total |  | - |

## CANADA-BRITISH COLUMBIA IMPROVEMENTS AT BORDER CROSSINGS

## Schedule of Detailed Expenditure Claims <br> For the Year Ended March 31, 2008

| Project <br> Number | Project/Claim Description | Contract Number | Eligible Costs Claimed in 2007/08 (\$) |
| :---: | :---: | :---: | :---: |
| 3.0 | Highway 15 (Proj. 1.3 Agreement) (\$261,724) |  |  |
|  | 3.3 Design Fees for Highway 15 ITS/CVO System Enhancements. | 11522-DF | - |
|  | Sub-total |  | - |
| 5.0 | Highway 15/88th Avenue (Proj. 1.6 Agreement) (\$4,257,398) <br> 5.1 Hwy 15/88th Ave Intersection Improvement: to accommodate historic and future traffic growth at this congested intersection, a second through traffic lane as well as left-turn bays will be added to all approaches. |  |  |
|  |  |  |  |
|  |  | 71101MJ5000 |  |
|  |  | 71101MJ5001 |  |
|  |  | 71101MJ2006 |  |
|  |  | 71101MJ2011 | 322,647 |
|  | 5.1 Project Management and Design | 092CS10988 | 87,352 |
|  |  | 092CS13623 | 49,071 |
|  | 5.1 Gravel | 11648_Gravel |  |
|  | 5.1 Day Labour | 11648_Day_Labour |  |
|  | 5.1 Utilities and Materials Sub-total | Util_Materials_11648 | 48,263 |
|  |  |  | 507,333 |
| 6.0 | Highway 13 (Proj. 1.7 Agreement) $(\$ 134,354)$ <br> 6.1 Truck Climbing Lane: development of a long-term corridor plan to determine the long term needs of Hwy 13 \& the construction of a 1.7 km northbound truck climbing lane leading away from the Aldergrove, $\mathrm{BC} / \mathrm{Lyndon}$, WA border crossing. |  |  |
|  | 6.2 Provincial Expenditures | 11649-PE | - |
|  | 6.3 Design Fees | 11649-DF | - |
|  |  | $11649-\mathrm{PL}$ | - |
|  | Sub-total |  | - |

## CANADA-BRITISH COLUMBIA IMPROVEMENTS AT BORDER CROSSINGS

## Schedule of Detailed Expenditure Claims

For the Year Ended March 31, 2008


## CANADA-BRITISH COLUMBIA IMPROVEMENTS AT BORDER CROSSINGS

Schedule of Detailed Expenditure Claims For the Year Ended March 31, 2008

| Project <br> Number | Project/Claim Description | Contract Number | Eligible Costs <br> Claimed in <br> $2007 / 08(\$)$ |
| :---: | :---: | :---: | :---: |

12.0 Extension of Highway 15 FAST Truck Lane $(\$ 3,886,698)$
12.1 Extension of Hwy 15 (176th St) FAST lane from just short of 4th Ave to 8th Ave at the Pacific Border Crossing.
12.2 Provincial Expenditures
12.3 Design and engineering services including environmental engineering.

| 11807MJ0000 | 597,615 |
| :--- | ---: |
| 11807_Gravel | 13,424 |
| 11807_Pavement_Markings | 8,580 |
| 11807_Qual_Con | - |
| 11807_Util_Mats | 38,847 |
| 11807_PE | 66,909 |
| 11807_DE | 67,698 |
|  | $\mathbf{7 9 3 , 0 7 3}$ |

TOTAL
$1,307,511$

Approved by:


# CONTRIBUTION AGREEMENT CANADA-BRITISH COLUMBIA "IMPROVEMENTS AT BORDER CROSSINGS" 

Notes to the Schedule of Detailed Expenditure Claims For the Year Ended March 31, 2008 Dsm

## 1. Purpose of this Statement

The Schedule of Detailed Expenditure Claims and accompanying notes has been prepared to disclose eligible costs incurred under the "Improvements at Border Crossings" Contribution Agreement between Canada and the Province of British Columbia signed on November 19, 2002. This agreement provides support to enable the Province to undertake improvements at or in the vicinity of British Columbia border crossings situated at Douglas, Pacific Highway, Huntingdon and Aldergrove through a 50/50 cost sharing arrangement for eligible costs.

## 2. Eligible costs

The Agreement specifies "Eligible Costs" in Section 4.02, as "all those costs, fees and expenditures directly incurred by the Province and directly related to the performance by the Province of its undertakings as set out in Schedule " $B$ " hereto annexed with the exception of ineligible costs as described in Section 4.02.02."

## 3. Basis of Accounting and Accounting Policies

The Schedule of Detailed Expenditure Claims has been prepared in accordance with Canadian generally accepted accounting principles for senior government. Expenditures are recorded at cost on an accrual basis. Costs are net of any recoveries and of GST.

