



**EVERGREEN LINE
RAPID TRANSIT PROJECT**

**MONTH END REPORT
JUNE 2016**

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TABLE OF CONTENTS

| | | |
|------------|---|-----------|
| 1.0 | Progress Overview | 4 |
| 1.1 | Summary of Issues | 4 |
| 2.0 | Design and Construction - Progress Against Project Schedule | 6 |
| 2.1 | Summary of Construction Events – By Segment | 6 |
| 2.2 | Major Project Milestones | 7 |
| 2.3 | Project-Wide..... | 7 |
| 2.3.1 | Design | 7 |
| 2.3.2 | Changes to the EGRT Project Schedule..... | 8 |
| 2.3.3 | Activity Changes..... | 8 |
| 2.3.4 | Logic Changes..... | 8 |
| 2.3.5 | Critical Path | 8 |
| 2.3.6 | Schedule Impacts | 8 |
| 2.4 | Passenger Stations | 9 |
| 2.5 | Other Fixed Facilities | 9 |
| 2.6 | Alignment | 9 |
| 2.6.1 | Segment 1 – Elevated Guideway / Loughheed Special Structure / South Portal Approach..... | 9 |
| 2.6.2 | Segment 2 – South Portal / Bored Tunnel / North Portal | 9 |
| 2.6.3 | Segment 3 – Reichhold Special Structure / At-Grade Guideway..... | 10 |
| 2.6.4 | Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam | 10 |
| 2.6.5 | Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures | 10 |
| 2.7 | Trackwork..... | 10 |
| 2.7.1 | LIM..... | 11 |
| 2.7.2 | Power Rail | 11 |
| 2.7.3 | Walkway | 11 |
| 2.8 | Systems..... | 12 |
| 2.8.1 | Systems General..... | 12 |
| 2.8.2 | Power Supply and Distribution | 12 |
| 2.8.3 | Signalling / ATC..... | 12 |

| | | |
|-------------|--|-----------|
| 2.8.4 | Communications, SCADA, FLSS and WMS | 12 |
| 2.8.5 | Tunnel Ventilation Systems and Stand Pipe System | 12 |
| 2.8.6 | Design for BC Hydro Related Works..... | 12 |
| 2.8.7 | Testing and Commissioning Planning and Procedures | 13 |
| 2.8.8 | Systems Procurement..... | 13 |
| 2.8.9 | Warranty and Training..... | 14 |
| 2.8.10 | Spare Parts..... | 14 |
| 2.8.11 | Construction | 14 |
| 2.9 | Testing and Commissioning..... | 15 |
| 2.9.1 | Progress Overview | 15 |
| 2.9.2 | Submissions | 16 |
| 2.9.3 | Beneficial Occupancy | 16 |
| 2.9.4 | Summary of Issues This Month..... | 16 |
| 2.9.5 | Changes Since Last Month | 17 |
| 2.10 | Conclusion | 17 |
| 3.0 | Environmental Management..... | 18 |
| 3.1 | Permitting Status | 18 |
| 3.2 | Environmental Management Summary..... | 18 |
| 3.3 | Environmental Submittals to Province | 20 |
| 3.4 | Amendment To Environmental Assessment Certificate | 20 |
| 3.5 | Environmental Review of Design | 20 |
| 3.6 | Environmental Management of Construction | 20 |
| 3.7 | Environmental Incidents | 20 |
| 3.8 | Environmental Inspection | 21 |
| 3.9 | Compliance Summary | 22 |
| 4.0 | Communications and Community Relations..... | 23 |
| 4.1 | Traffic Management Communications..... | 23 |
| 4.2 | Public Consultation | 24 |

| | | |
|------------|--|-----------|
| 4.3 | Media Relations | 24 |
| 5.0 | First Nation Engagement | 25 |
| 5.1 | Performance Overview by Sub-contractor | 25 |
| 5.2 | Bid Report – Procurement Opportunities & Awards Detailed..... | 26 |
| 6.0 | Health and Safety | 32 |
| 6.1 | Summary of Safety Activities | 32 |
| 7.0 | Financial | 34 |
| 7.1 | Performance Incentive Payments | 34 |
| 7.2 | Milestone Payments | 34 |
| 7.3 | Change Management..... | 34 |
| 7.4 | Risk Management | 34 |
| 8.0 | Quality Assurance | 35 |
| 8.1 | Status of Quality Management System Activities | 35 |
| 8.2 | Audit Programme..... | 35 |
| 8.3 | Preventative Action Log..... | 36 |
| 8.4 | Summary of Inspection and Testing Activities | 37 |
| 8.4.1 | DBC | 38 |
| 8.4.2 | SLCW-GST..... | 38 |
| 8.4.3 | SLCW-SW | 38 |
| 8.5 | Nonconformity Reports and Corrective Action..... | 38 |
| 8.6 | Continual Improvement Initiatives | 39 |
| 9.0 | Project Photographs | 40 |

DISCLAIMER NOTE:

Nothing in this report constitutes a formal notice of claim by the Primary Contractor under its Agreement with the Province, including without limitation notice of claim arising from Supervening Event or Province Change.

1.0 PROGRESS OVERVIEW

This report covers project progress for the month of June 2016 (Payment Period 42). Design and construction progress is summarized below:

Project Summary:

Scope: 11 km of guideway, 6 new stations, 1 expanded station, 1 tunnel

Owner: Province of British Columbia / Translink

Physical Progress:

With the exception of the tunnel, all other areas of the project reached substantial completion by 29 February 2016 in accordance with the original schedule.

Overall 98% complete; working on 8 fronts; 42 months into the 46 month construction schedule.

Manpower: approximately 175 management and 525 craft labour.

Design

Overall design is 100% complete

Construction

- Segment 1: Testing & Commissioning near completion
- Segment 2: Mainline Track Install Complete, LIM well underway, Power Rail Started
- Segment 3: Testing & Commissioning Underway
- Segment 4: Testing & Commissioning Underway
- Segment 5: Testing & Commissioning Underway
- Stations: All stations are complete, only deficiencies remain.

1.1 SUMMARY OF ISSUES

Overall Schedule: an overall schedule update was conducted in April 2016 and results in a Substantial Completion date of 31 October 2016. This represents an 8 month extension from the baseline schedule. These 8 months are attributed as follows:

- 9 months for delays to tunnel excavation
- 1 month gain for tunnel finishes

The new Substantial Completion date of 31 October 2016 is 3 months later than the Substantial Completion Target Date in the Project Agreement. EGRT continues to assess the schedule and will mitigate impacts to the fullest extent possible.

The month of June 2016 showed good progress in the walkway and rail installation and gains in schedule were maintained.

2.0 DESIGN AND CONSTRUCTION - PROGRESS AGAINST PROJECT SCHEDULE

2.1 SUMMARY OF CONSTRUCTION EVENTS – BY SEGMENT

| Segment | Name | Total | Previous to Date | Progress This Month | Total to Date |
|---------|-----------------------------|-------|------------------|---------------------|---------------|
| 1 | Caissons | 64 | 64 | Complete | 64 |
| | Columns | 63 | 63 | Complete | 63 |
| | Spans | 57 | 57 | Complete | 57 |
| | Trackwork Installed | 4524 | 4524 | Complete | 4524 |
| | Walkways Installed | 4683 | 4683 | Complete | 4683 |
| | LIM Rail Installed | 4524 | 4524 | Complete | 4524 |
| | Power Rail Installed | 4524 | 4524 | Complete | 4524 |
| 2 | Meters of Tunnel Excavation | 1944 | 1944 | Complete | 1944 |
| | Infill Material Placed | 23477 | 23477 | Complete | 23477 |
| | Concrete Slab Poured | 4127 | 4127 | Complete | 4127 |
| | Trackwork Installed | 5540 | 2087 | 3453 | 5540 |
| | Walkways Installed | 5540 | 1000 | 3891 | 4891 |
| | LIM Rail Installed | 5540 | 0 | 2770 | 2770 |
| | Power Rail Installed | 5540 | 0 | 1811 | 1811 |
| 3 | Number of SMX Columns | 1826 | 1826 | Complete | 1826 |
| | Meters of Track Slab | 3725 | 3725 | Complete | 3725 |
| | Trackwork Installed | 3964 | 3964 | Complete | 3964 |
| | Walkways Installed | 3964 | 3964 | Complete | 3964 |
| | LIM Rail Installed | 3964 | 3964 | Complete | 3964 |
| | Power Rail Installed | 3964 | 3964 | Complete | 3964 |
| 4 | Number of Timber Piles | 6345 | 6345 | Complete | 6345 |
| | Meters of Track Slab | 2112 | 2112 | Complete | 2112 |
| | Trackwork Installed | 5282 | 5282 | Complete | 5282 |
| | Walkways Installed | 5282 | 5282 | Complete | 5282 |
| | LIM Rail Installed | 5282 | 5282 | Complete | 5282 |
| | Power Rail Installed | 5282 | 5282 | Complete | 5282 |
| 5 | Piles/Caissons | 73 | 73 | Complete | 73 |
| | Columns | 73 | 73 | Complete | 73 |
| | Spans | 52 | 52 | Complete | 52 |
| | Trackwork Installed | 3315 | 3315 | Complete | 3315 |
| | Walkways Installed | 3315 | 3315 | Complete | 3315 |
| | LIM Rail Installed | 3315 | 3315 | Complete | 3315 |
| | Power Rail Installed | 3315 | 3315 | Complete | 3315 |

| Segment | PPS Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
|---------|---------------------------|-----------|------------------|---------------------|---------------|
| 1 | LHZ | 100 | 100 | Complete | 100 |
| | BQZ | 100 | 100 | Complete | 100 |
| 3 | NPZ | 100 | 100 | Complete | 100 |
| 4 | FCZ | 100 | 100 | Complete | 100 |
| 5 | LAZ | 100 | 100 | Complete | 100 |
| Segment | Station Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
| 1 | Lougheed Station | 100 | 100 | Complete | 100 |
| | Burquitlam Station | 100 | 100 | Complete | 100 |
| 3 | Port Moody Station | 100 | 100 | Complete | 100 |
| 4 | Inlet Centre Station | 100 | 100 | Complete | 100 |
| 5 | Coquitlam Central Station | 100 | 100 | Complete | 100 |
| | Lincoln Station | 100 | 100 | Complete | 100 |
| | Douglas/Lafarge Station | 100 | 100 | Complete | 100 |

2.2 MAJOR PROJECT MILESTONES

The schedule progress occurring for the period from May 25th to June 27th has an unchanged Anticipated Substantial Completion date of October 31st, 2016 from the past months progress.

| Milestone | Dec 12, 2012 Baseline | Jun 27, 2016 Progress Update | Δ (Business Days) |
|--|--------------------------|------------------------------------|-------------------------|
| Substantial Completion Target | 29-Jul-16 | 31-Oct-16 | -94 |
| Service Commencement Target | 30-Aug-16 | 30-Nov-16 | -92 |
| Total Completion Target | 31-Oct-16 | 31-Jan-17 | -91 |
| Availability Demonstration Completion Target | 30-Aug-17 | 29-Nov-17 | n/a |
| TIDS Performance Demonstration Completion Target | 30-Aug-17 | 29-Nov-17 | n/a |

2.3 PROJECT-WIDE

2.3.1 Design

Please refer to Sections 2.3 through 2.8 for a more detailed breakdown of the design status per area. Design progress can be seen under the Design and Engineering Section of the ELRT Project Schedule Update (DD.27JUN2016).

2.3.2 Changes to the EGRT Project Schedule

No major changes were made to the project schedule.

2.3.3 Activity Changes

Key changes made to Segment 2, Track, Systems & Testing & Commissioning schedule are as follows;

Tunnel Fit Out / Track

- No changes this past period.

Systems

- Systems activities broken out into main activities driving T&C.

Testing & Commissioning

- Activities have been revised to show current T&C schedule.

2.3.4 Logic Changes

The systems activities were broken out into more detail to better illustrate that path through T&C and to ATC testing.

2.3.5 Critical Path

The critical path is determined by activities that have 14 or less days of float. The critical path continues to pass through the tunnel activities.

The critical path is as follows: center walkway, track, LIM rail, power rail, system-wide cabling, and other tunnel finishes, before the start of testing and commissioning in Test Zone 2.

To date, the tunnel fit out activities are substantially completed excluding the portal roofs, the center walkway lids, and the installation of the cross passage doors. These completed activities, reflected in the latest Progress Update Schedule, are: design and approvals for the north tunnel approach, utility relocations, construction of the north tunnel approach, TBM pit and assembly of the TBM, Tunnel Boring, TBM Breakthrough, demob of the TBM at the south portal, Tunnel Infill, the South Portal Invert Slab, the tunnel track slab, tunnel center fire wall, and inbound mainline track.

2.3.6 Schedule Impacts

Test Zone 2 has been impacted due to the delay of the tunnel breakthrough which occurred on November 27th, 2015. The tunnel fit out works are substantially complete with both the south and north portal roofs remaining. Tunnel trackwork has commenced and is ongoing,

along with systems installation and scheduled to be completed toward the end of August. The remaining works will be monitored closely and tracked against the currently shown project completion date of October 31st, 2016.

Other activities discussed in this report are monitored for potential impact or delays due to the overall EGRT Project Schedule.

2.4 PASSENGER STATIONS

All seven of the stations on the Evergreen Line are substantially completed with the majority of the deficiencies expected to be completed by the end of July.

2.5 OTHER FIXED FACILITIES

All five of the Propulsion Power Stations on the Evergreen Line are substantially completed. The final tie-in work between BQZ and NPZ will occur concurrently with the trackwork and systems installation in Segment 2.

| Facility | Design / Construction / Procurement |
|------------------------------|---|
| Sec 428 – VCIF | <ul style="list-style-type: none"> Construction substantially completed. |
| Sec 428 – VSF Yard | <ul style="list-style-type: none"> Construction substantially completed. |
| Sec 428 – VSF Staff Facility | <ul style="list-style-type: none"> Construction substantially completed. |

2.6 ALIGNMENT

2.6.1 Segment 1 – Elevated Guideway / Loughheed Special Structure / South Portal Approach

Segment 1 is substantially completed with the majority of the deficiencies expected to be completed by the end of July.

2.6.2 Segment 2 – South Portal / Bored Tunnel / North Portal

| Area | Design / Construction / Procurement |
|--|---|
| Segment Wide | |
| Sec 210 Cut and Cover South Portal | <ul style="list-style-type: none"> Completed Type 1 Precast and Handrail Installation. Completed Type 3 CIP Parapets. Completed Type 3 Steel Installation. |
| Sec 220 TBM Tunnel | <ul style="list-style-type: none"> Installed duct bank conduit and encased in concrete for SIB/NIB/NOB/SOB. |

| | |
|--|---|
| | <ul style="list-style-type: none"> • Completed center wall deficiencies. • Completed standpipe main header installation through tunnel and nearly completed with standpipe valves and drops. • Installed Fan Support Steel, Support Steel Seismic Braces, and Fans at both South and North portions of the tunnel. • Placed disconnect switch platforms. • Completed drilling for main rail in IB portion of tunnel along with grouting and DF fastener inserts. • Pulled and placed SIB main rail. Currently fine tuning track. • Starting NIB main rail pull. • Drilled both IB and OB portion of tunnel for LIM rail. • Commenced with SOB tunnel ventilation cable pulls. • Installation of electrical local devices and radio brackets is ongoing in SOB quadrant. |
| Sec 230 Cut and Cover Tunnel North | <ul style="list-style-type: none"> • Completed center wall at North portal. • Formed and poured both IB and OB parapet walls. • Starting transition beam. |

2.6.3 Segment 3 – Reichhold Special Structure / At-Grade Guideway

Segment 3 is substantially completed.

2.6.4 Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam

Segment 4 is substantially completed.

2.6.5 Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures

Segment 5 is substantially completed.

2.7 TRACKWORK

SPECIAL TRACKWORK:

Reichhold Crossover East – Minor re-work on switch machines (re-grout switch machine bases) to be completed and final PICO of the turnouts remains to be completed.

Reichhold West Crossover – Final deficiency repairs have been completed. Switch machine PICOs are complete on 3 of 4 machines. Final switch machine installation requires re-orientation of the TFO access location (turnstyle and ramp to guideway), and is anticipated to be done in July 2016.

MAINLINE TRACKWORK:

Segment 1 – Track activities are substantially complete.

Segment 2 – IB track fine tuning is complete. All OB rail has been placed and fine tuning is underway.

Segment 3 - Trackwork activities are substantially complete.

Segment 4 - Trackwork activities are substantially complete.

Segment 5 – Trackwork activities are substantially complete.

2.7.1 LIM

Segment 2 – LIM Installation is complete on the IB guideway in Segment 2. LIM Drilling is progressing on OB at the South Portal in Segment 2. LIM grouting has commenced on the OB through the Reichold Switch.

Issues with LIM stud corrosion have been identified, and repair procedures are being developed. Repair work has commenced.

2.7.2 Power Rail

Power Rail installation is complete at Section 150 IB. Power Rail installation is 50% complete through IB Section 220 (Tunnel).

Final coverboard installation will be completed at the Reichhold Crossovers, as well as some miscellaneous installation in Section 150 starting in August 2016.

2.7.3 Walkway

Steel walkway installation (excluding Segment 2 and tunnel operational areas) is 99% complete, with minor areas remaining for rework and completion based on access.

Final fabrication of precast walkway lids for tunnel installation is underway. Fabrication is ongoing, with delivery to meet tunnel installation schedule.

Steel and CIP walkway installation at Section 150 and South Portal are complete, and are scheduled to be completed. This also includes the balance of Type 1 precast walkways and steel handrail in Section 150. Final installation of PCW lids in the tunnel some time in Summer/Fall 2016.

There is one location in Section 140 where sound barrier panels will need to be installed following T&C fence removal, and there are approximately 22 brackets in Section 410 that encroach into the train clearance envelope. Brackets have been ordered for the sound barriers further from the guideway parapets.

2.8 SYSTEMS

2.8.1 Systems General

2.8.1.1 Subsystem Design

The FDR process is complete with the issuance of the Heritage Mountain Monitor Receiver FDR package scheduled early next month.

2.8.1.2 Installation Design

VSF Interface design: Working to resolve an interface issue with respect to the Buffer Stops. Thales has been provided with the details and working to implement a software change to address this.

Tunnel Interface design: Weekly coordination meetings are being fully supported by SLCW-SW. A South portal drainage sump has been recently added. Electrical designs are nearly complete.

2.8.1.3 Contractual Plan Submissions

A list of required plans and managerial documents are required in Appendix G of the Project Agreement (Systems General Requirements), and the DBC hosts a monthly meeting to coordinate the delivery of this documentation. The progress of these plans is updated monthly and issued to the Client by the DBC.

2.8.2 Power Supply and Distribution

PS&D FDR Packages have all been submitted to the Client.

2.8.3 Signalling / ATC

The signalling/ATC design process is substantially complete.

2.8.4 Communications, SCADA, FLSS and WMS

All FDR submissions are complete.

2.8.5 Tunnel Ventilation Systems and Stand Pipe System

The Tunnel Ventilation SFDR process is complete.

2.8.6 Design for BC Hydro Related Works

All BC Hydro Related Works are complete.

2.8.7 Testing and Commissioning Planning and Procedures

The Systems Test Plan defined the Systems Integration Board. The Board is a joint Systems, T&C, and TransLink task group which will review test plans and schedules, and coordinate cutovers and configuration changes. This group commenced meetings in January 2015.

The Systems Cutover Plan has been updated in response to Client questions, and detailed planning of the cutover process will continue via the FMI log, which tracks configuration changes, and the T&C & Cutover schedule.

2.8.8 Systems Procurement

The following packages were issued out for tender/pricing in June:

- SP9000-05 EMC/EMI Survey.
- SC7075-02 Heritage Mountain Monitor Receiver Installation.
- Pricing for specific elements of TIMS requested from existing vendors and also requested from WPE. WPE pricing to be incorporated into SC9000-08 Segment 2 Equipment Installation Contract.

2.8.8.1 Subcontract and Supply Contract Awards

The following equipment were issued out for award in June:

- SP7075-03 Heritage Mountain Service (BC Hydro)
- SP8000-04 Supply of South Portal Sump Pump.

2.8.8.2 Supplier Design

- NA

2.8.8.3 Equipment Deliveries

The following equipment was received at the warehouse in June:

- No major equipment.
- Original Warehouse closed and moved to Vintner site.

2.8.9 Warranty and Training

Continue to develop training dates with the Province. Clarification of warranty requirements is being sought through the DBC and the Province.

2.8.10 Spare Parts

Non-long-lead item spare parts list have been provided and SW is currently awaiting the PO from Translink, expected July 15th.

2.8.11 Construction

The pricing for the TIMS package in the SC9000-08 Tunnel electrical installation subcontract was received and was under review.

Tunnel Lighting, receptacle and power distribution component installation in the Tunnel South Outbound was turned over to T&C on June 14th. SAT testing proceeded on June 21st. South inbound quadrant installations are proceeding where possible around power rail installation operators. Turnover of the South Inbound subsystems is expected June 30th. Tunnel vent cable pulling in the North tunnel began on June 20th and concluded June 30th. Repairs to the BQZ MCC unit were completed this month. The South Portal tunnel vent PICO is expected early next month.

The permanent 36 strand ATC-dedicated fibre optic cable was placed between BQZ and NPZ on June 17th. Continuity verification and dressing for permanent termination at BQZ and NPZ are underway. A temporary OTN link shall be established between BQS and MCS using a spare fibre pair on this 36 strand cable, early in July. This temporary link will support network connectivity until the permanent 192 strand fibre backbone is installed, terminated and tested, in early August.

Systemwide Mainline deficiency resolution continued during non-test windows. Completion of exterior touch-up paint deficiencies is targeted for mid-July due to weather and painting subcontractor availability.

Station crews continued on minor added scope clean-up items. The Lafarge Station SEEIP device arrival is scheduled for mid-July. Replacement of four (4) CCTV end posts, presently encroaching on walkway clearance, is scheduled for early July.

WPE suffered a cable theft from the Clarke St staging yard on June 27th. Approximately 150m of ground cable was taken. WPE personnel had miscommunicated in securing a reel of cable on previous Friday end of shift. Locked storage containers and nightly patrol check-ins had previously been effective to prevent significant losses.

2.9 TESTING AND COMMISSIONING

2.9.1 Progress Overview

ATC - Since the May report, Thales has completed efforts on testing with automatic Mark I trains in Test Zones 1, 3, 4 & 5. ATC testing was suspended the last week of April and the first two weeks of May while waiting for class 3 release of VCC 14.03.00. This was required to correct issues discovered in Test Zone 1 such as SGSCS and CESB performance and additional guideway data issues at a number of switches in TZ 1, 3, 4 & 5. All testing was conducted in 2 CPU mode due to the lack of sufficient FPGA cards.

At the end of June, the following activities were accomplished;

- VCC4
 - The Close-up/Coupling testing at Loughheed had some issues with MKI trains during previous testing and it has been confirmed during the June 11 testing that 2 car to 4 car MKI coupling will not work at LHI and LHS due to track geometry. This will be stated in the Common Definitions Table.
- VCC5
 - All testing in Test Zone 1 is now complete;
 - The FRACAS 193 for switch 203 was retested and is now considered passed.
 - Testing in Test Zone 3:
 - The testing with MKI trains is now complete. Awaiting delivery of MKII trains for further testing.
 - Testing in Test Zone 4:
 - Speed limits through switch 226 are incorrect and have been speed limited by Go-Slow Zones. This will be corrected in the next VCC release (end of August).
 - The length of track 915 beyond switch 223 is uncertain and automatic trains could contact bumpstop (T&C Restriction 018)
 - Awaiting delivery of MKII trains for further testing.
- VCC6
 - Testing in Test Zone 5:

- The bumpstops at the ends of VS6 & VS7 are located incorrectly and rather than extend the rail to slide the stops back, Thales will correct the train stopping points through VCC software
- Awaiting delivery of MKII trains for further testing

PS&D - Wayside equipment SAT testing is in progress. This includes tunnel lighting and tunnel mini-power centers.

Communications – The vast majority of testing is complete with some systems still being optimized. Above ground radio and fire alarm testing is on-going.

TIDS/TIMS – TransLink performed independent tests at BQS for intentional and unintentional intrusions on June 23.

TVS – The smoke test was conducted at Inlet Centre the evening of June 22 with a 6-car MKI train.

2.9.2 Submissions

The following submissions were made during June;

- Travel Time Demonstration rev. 0
- Test Zone Transition Plan rev. 1

2.9.3 Beneficial Occupancy

In addition to areas reported previously, T&C took Beneficial Occupancy of:

- All remaining station areas and the VSF. T&C now has BO of the entire alignment with the exception of the Tunnel Works (Test Zone 2)

2.9.4 Summary of Issues This Month

- Shortage of 3 reprogrammed Thales FPGA cards for VCC 6 has been temporarily resolved by testing in 2 CPU mode – on-going
- Switch 226 has incorrect speed profile and is temporarily restricted by a Go Slow Zone of 15 km/h – on-going
- Incorrect bump stop locations at VS6, VS7 and stub track beyond switch 223 are being investigated for a solution by Thales rather than relocating the bump stops. – on-going
- Approval from BCRTC to supply two MKII married pairs to be towed through the tunnel so that MKII testing can be conducted north of the tunnel.

2.9.5 Changes Since Last Month

- Test Zone 1 – Complete
- Test Zone 2 – Remains mid-September 2016
- Test Zone 3 – Complete
- Test Zone 4 – Complete
- Test Zone 5 (VSF) – Complete
- All communication testing (except tunnel related) – Deficiency work in progress
- All PS&D testing (except tunnel related) – Deficiency work in progress

2.10 CONCLUSION

Our current EGRT Project Schedule is based on the best information available and our current plan for construction. Changes to the final construction plans and methods, and their respective schedules, sequences and durations are expected as work progresses on all fronts. Any future changes or revisions to the schedule will be detailed in this narrative.

3.0 ENVIRONMENTAL MANAGEMENT

3.1 PERMITTING STATUS

A Notification was prepared and submitted to Ministry of Forests, Lands and Natural Resource Operations (FLNR) on June 21, to allow repairs to a Metro Vancouver concrete culvert situated in Ottley Creek (the culvert was apparently damaged during construction of the Reichhold Special Structure). The culvert repairs will entail instream work and will therefore be conducted during the August 1st – September 30th, 2016 “least-risk fisheries window”.

| Permit Description | Act/Regulation | Application or Expiry Date | Status |
|---|---------------------------------|--|---|
| Federal | | | |
| No current or planned federal permitting actions this reporting period. | | | |
| Provincial | | | |
| Notification to undertake culvert repairs in Ottley Creek. | <i>Water Sustainability Act</i> | The Notification will be submitted to FLNR on June 21. | FLNR requires 45 days to process the Notification after which construction can proceed. |

The status of all permits acquired to date on the Project is summarized in Attachment F.

3.2 ENVIRONMENTAL MANAGEMENT SUMMARY

EGRT’s Environmental Manager continued to conduct routine environmental management activities including but not limited to: advising on environmental planning and implementation issues, preparing environmental submittals and deliverables, participating in environmental quality activities, and overseeing the Environmental Inspectors (EIs).

Construction of habitat compensation at Schoolhouse Creek: the work has been awarded to a Subcontractor. It is expected that the Subcontractor will mobilize to the site in mid-July 2016 in order to complete instream works during the August 1 – September 30th, 2016 “least-risk fisheries window”. Planting of the riparian zone is planned for the fall of 2016.

Going forward, the following environmental requirements remain to be completed on the Project:

- Environmental Inspection: environmental inspection of construction will continue until construction of the Schoolhouse Creek habitat compensation is completed, with related reporting to the Province and to applicable regulatory agencies once every two weeks. Assuming concurrence from the Province and applicable regulatory agencies, environmental inspection on the Project should conclude in October 2016.
- Completion of general site restoration and planting of “replacement trees” as required by PTOC item #52: landscaping along Clarke Street (including tree replacement) has been completed but additional landscaping remains to be done in the fall of 2016.
- Water quality monitoring (as required by PTOC items #42 and #43): EGRT has periodically assessed water quality sampling in watercourses potentially affected by construction. Samples have been tested for metals, hydrocarbons, Volatile Organic Compounds (VOCs), turbidity, suspended solids, pH, dissolved oxygen, conductivity and water temperature. The monitoring program has so far included a round of “baseline” water quality monitoring (conducted during the earliest stages of construction to capture the pre-project condition), followed by two rounds of “during construction” water quality sampling. To complete the program, EGRT conducted a final round of sampling in June to assess the “post-construction” condition. EGRT will prepare and submit to the Province a brief summary of the monitoring program results, identifying potential Project-induced water quality effects (if any such effects can be identified). This report is planned to be submitted to the Province in July or August 2016.
- Close-out of environmental permits including the DFO Authorization (see Appendix F for permit expiry dates): A “close-out” permit tracking matrix is being used to document the close-out status of all key environmental permits. The Permit close-out tracking document will be attached to the Environmental Final Completion Report (see bullet below).
- Preparation of an Environmental Final Completion Report as required by PA, Schedule 5, Subsection 3.8: Further discussion with the Province is needed to determine the contents, format and submission date of this report. The PA indicates this report is to follow Substantial Completion.
- Annual Certificate of Compliance with Environmental Laws: It is expected that one additional and final Certificate of Compliance will be required, covering the period December 11th, 2015 to December 10th, 2016. This final Certificate of Compliance would be submitted to the Province at the end of December 2016.
- Continuation of the monthly environmental management report (i.e., in the form of this environmental management section of EGRT's monthly progress report): Further discussion with the Province is required to determine when this monthly environmental reporting would end.
- Preparation of a detailed post-construction monitoring and assessment report documenting site-specific landscaping and restoration measures implemented during construction, as per PTOC #50 requirement: this report is required one year after contract completion. Further discussion with the Province is needed to determine exactly when this report would be submitted to the Province.
- Monitoring and annual reporting of the performance of constructed compensatory habitats: the DFO Authorization requires this monitoring to continue until the end of

2019 with a final annual monitoring report submitted to the Province and to applicable agencies in January 2020.

3.3 ENVIRONMENTAL SUBMITTALS TO PROVINCE

Submittals to the Province during this reporting period:

- Biweekly Environmental Inspection Report (BEIR) Nos. 150 and 151.

3.4 AMENDMENT TO ENVIRONMENTAL ASSESSMENT CERTIFICATE

No changes in design or construction occurred during this reporting period that warranted consideration of an amendment to the Project's Environmental Assessment Certificate (T10-01).

3.5 ENVIRONMENTAL REVIEW OF DESIGN

Environmental design and environmental review of non-environmental design were completed in a previous reporting period.

3.6 ENVIRONMENTAL MANAGEMENT OF CONSTRUCTION

Tunnel water and construction affected run-off flowing through/from TFO work sites have been directed to a Waste Water Treatment Plant (WWTP) located in the Tunnel Operations Yard. The effluent from the WWTP has been discharged to a Metro Vancouver sanitary sewer as per Metro Vancouver Waste Discharge Permit No. SC-100914-FSA. In recent months, EGRT's Environmental Inspector (EI) became responsible for monthly sampling of the WWTP effluent and for quarterly reporting of laboratory test results to Metro Vancouver. During this reporting period, the WWTP system was deemed no longer necessary given construction at this stage of the Project is environmentally benign and in any case no discharge to sanitary had occurred since March 2016. Therefore the WWTP was decommissioned in June. The EI was on site to witness and report the system's final discharge to sanitary. Close-out of the waste discharge permit will be completed with Metro Vancouver during the next reporting period.

3.7 ENVIRONMENTAL INCIDENTS

One environmental incident occurred during this reporting period, on June 27 (details in table below).

Table: Incident Tracking Summary

| Tracking No. | Date | Incident Type | Incident Description |
|-------------------|-------------|-------------------|---|
| EIN-051 (SLCW) | 27-Jun-2016 | Spill to Guideway | Approximately 10 L of hydraulic oil was spilled to the guideway in Section 320. The incident was caused by a leaking hydraulic line from a high-rail excavator. Sorbent material was used to contain and clean up the spilled hydraulic oil. The spill was contained on the guideway with no threat of being conveyed to a sensitive environment or storm sewer. The used sorbent material was collected for off-site disposed at a facility approved to receive this hazardous waste. A Notification of the incident was provided to the Province. No regulatory agencies required Notification. |

3.8 ENVIRONMENTAL INSPECTION

Bi-Weekly Environmental Inspection Report (BEIR) Nos. 150 and 151 were submitted to the Province “for Information” during this reporting period. As reported by EGRT’s Environmental Inspectors, construction generally complied with Project environmental requirements during this reporting period (see “Issue Tracking” Summary below).

Issue Tracking Summary

No issues were carried over into this monthly reporting period from the previous monthly reporting period (May 2016). Six new issues were opened during this reporting period (see table below). One of the six issues (#236) was closed during this reporting period but five issues remained opened at the end of this reporting period.

Table: Environmental Inspection Issue Tracking Summary

| Issue No. | Date Opened | Description | Status at June 30/16 |
|-----------|-------------|--|----------------------|
| 236 | June 01/16 | Deficient fuel storage at South Portal | Closed |
| 237 | June 07/16 | Deficient housekeeping at South Portal | Open |
| 238 | June 09/16 | Deficient Hazardous Substances Storage at North Portal tunnel support yard | Open |

| Issue No. | Date Opened | Description | Status at June 30/16 |
|------------------|--------------------|---|-----------------------------|
| 239 | June 29/16 | Remnant used sorbent material present on guideway near North Portal (left over from a spill that occurred on June 27). | Open |
| 240 | June 29/16 | Hydrocarbon staining on View Street (primarily as a result of leaking equipment used for Project related utility works) | Open |
| 241 | June 29/16 | Hydrocarbon staining on guideway near South Portal (caused by leaking Pettibone) | Open |

3.9 COMPLIANCE SUMMARY

No significant environmental compliance issues occurred during this reporting period.

4.0 COMMUNICATIONS AND COMMUNITY RELATIONS

No community meetings and/or Business Liaison Committee meetings were held in June 2016.

As the project nears completion, there are no immediate plans for additional Business Liaison Committee meetings. Should any further community meetings be required, the EGRT Construction Communications team will support the Province and attend as required.

4.1 TRAFFIC MANAGEMENT COMMUNICATIONS

The EGRT Construction Communications team prepared and distributed one Construction and Traffic Bulletin in June 2016:

- Landscaping Restoration – Clarke Street Area – June 24
 - This notice was distributed to businesses and residents on Clarke Street between Moody Street and Elgin Street.

EGRT Construction issued the following Community Notice in June 2016:

- Road Restoration and Paving Work on Clarke Road – June 30
 - This notice was emailed to the property manager of 751 Clarke Road and the strata manager for Anskar Court Co-op, the s.22 at 661 Clarke Road, the s.22 at 647 Kemsley Avenue and distributed to homes on Clarke Road and Kemsley Avenue.

Please note that this notice was also posted on the egrtconstruction.ca website and distributed to stakeholders.

EGRT Construction issued the following Community Notice in June 2016:

- Ventilation Systems Test – Inlet Centre Station – June 20
 - This notice was distributed to EComm, City of Port Moody (emergency responders and city staff), City of Coquitlam (emergency responders and city staff), residents on Dewdney Trunk Road, Westwood Honda, Corbeau Park townhomes, residents off of Brookside Drive that are closest to St Johns Street, The Square condos on St Johns Street and businesses at ground level (Jokers Pizza, insurance company etc), emailed to property manager at The Residences at Suter Brook and delivered to residents on Edinburgh Drive and Edinburgh Place that back onto Barnet Highway.

No Traffic Alerts were distributed by EGRT Construction in June 2016.

4.2 PUBLIC CONSULTATION

No public consultation is required by the Province of BC.

4.3 MEDIA RELATIONS

All media inquiries, including inquiries from traffic reporters, will continue to be referred to the Province for first comment. EGRT Construction will only answer routine traffic questions and only when queries have been referred to the EGRT Construction Communications Manager directly by the Province.

One Traffic Reporters Advisory was sent by the EGRT Construction Communications team in June 2016 regarding the Ventilation Systems Test at Inlet Centre Station. The intent of the advisory was to alert traffic reporters and/or motorists that the smoke was part of a standard test and not cause for public concern.

5.0 FIRST NATION ENGAGEMENT

5.1 PERFORMANCE OVERVIEW BY SUB-CONTRACTOR

| NATION | Procurement Target (\$/project) | Opportunities to Date (est. \$ value) | Awarded to Date | Awarded this Period |
|----------------|------------------------------------|--|-----------------|---------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

| NATION | Employment Target (hrs/project) | Employment to Date (hrs) | Employment this Period (hrs) | Total Active Employees (qty) |
|----------------|------------------------------------|-----------------------------|---------------------------------|---------------------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

¹ Employment This Period and Awarded This Period updated quarterly.

All First Nations procurement targets have been exceeded.

Employment targets for Musqueam have been exceeded, and targets for Tsleil Waututh continue to be pursued. Labour availability from Tsleil Waututh is limited.

5.2 BID REPORT – PROCUREMENT OPPORTUNITIES & AWARDS DETAILED

| Package Number/Title/PO | Bid Close Date | Company Name (Bidder) | Affiliated First Nation | Awarded Contract (Actual) | Procurement Opportunity (Est. Value) | Status |
|---|----------------|-----------------------|-------------------------|---------------------------|--------------------------------------|--------|
| SGJV PROCUREMENT | | | | | | |
| Supply/Install Piles (Pinetree) | 22/Nov/13 | s.16,s.17 | | | | |
| Soil Removal (various PO's) | 1/Oct/13 | | | | | |
| Supply/Install Piles (CPR) | 18/Sep/13 | | | | | |
| Supply/Install Piles (Reichhold) | 5/Mar/13 | | | | | |
| Supply/Install Caissons | 29/Apr/13 | | | | | |
| Clearing, Grubbing & Access Road (511326-C-002) | 1/Mar/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| Supply/Install Timber Piles | 22/Nov/13 | | | | | |
| Supply/Install Timber Piles | 18/Sep/13 | | | | | |
| Supply/Install Timber Piles | 3/May/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| | | | | | | |
| SSJV PROCUREMENT | | | | | | |
| Water Treatment Plant | 1/Sep/13 | s.16,s.17 | | | | |
| | | | | | | |
| | | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |
| | | | | | | |
| | | | | | | |
| Water Treatment Plant | 1/Sep/13 | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |
| | | | | | | |

SLCW-EG PROCUREMENT

| | | |
|-----------------------------------|-----------|-----------|
| Traffic Signs-Part 1 | ongoing | s.16,s.17 |
| Traffic Signs-Part 2 | ongoing | |
| Site Security (3 mo. Trial) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Traffic Management (3 mo. Trial) | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Crane Services for Truss Assembly | 19/Aug/13 | |
| Trailer rental (ongoing) | ongoing | |
| Trailer Rental-New Office | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Trailer Relocation | ongoing | |
| Traffic Management | ongoing | |
| Traffic Management | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |

| | |
|----------------|---------|
| Elec. Services | ongoing |
| Elec. Services | ongoing |

SLCW-GST PROCUREMENT

| | | |
|---------------------------------|-----------|-----------|
| GC009- Stn Elec. Work | 1/Oct/13 | s.16,s.17 |
| Office Trailer Rentals(0000143) | ongoing | |
| Lougheed Stn Demo | 31/May/13 | |
| GC003- Piles & Caissons | 3/Jun/13 | |
| Elec. & data-Poco Warehse | 1/Apr/13 | |
| GC400-Port Moody Demo | 1/Mar/13 | |
| GC009- Stn Elec. Work | 30/Jan/14 | |
| GC037- Supply/Install Piling | 8/Jan/14 | |
| GC039-PPS & VSF Elec. Work | 17/Apr/14 | |
| GC048-Moody Piling | 17/Apr/14 | |
| GP500-Supply Retaining Wall | 9/Sep/14 | |
| GP500-CO No. 1 | 17/Aug/15 | |
| GP500-CO No. 2 | 13/Nov/15 | |
| GC063-Modular Buildings | 9/Mar/15 | |
| GC063-CO No. 1 | 8/Oct/15 | |
| GC063-CO No. 2 | 7/Nov/15 | |
| GC063-CO No. 3 | 24/Feb/16 | |
| Elec. Work for Stns | 6/Jan/14 | |
| GC009-CO No. 1 | 11/Jun/14 | |
| GC009-CO No. 2 | 2/Oct/14 | |

| | | |
|---------------------------------|-----------|-----------|
| GC009-CO No. 3 | 3/Oct/14 | s.16,s.17 |
| GC009-CO No. 4 | 16/Dec/14 | |
| GC009-CO No. 5 | 13/Jan/15 | |
| GC009-CO No. 6 | 13/Jan/15 | |
| GC009-CO No. 7 | 14/Jan/15 | |
| GC009-CO No. 8 | 19/Jan/15 | |
| GC009-CO No. 9 | 23/Mar/15 | |
| GC009-CO No. 10 | 30/Mar/15 | |
| GC009-CO No. 11 | 9/Apr/15 | |
| GC009-CO No. 12 | 4/Jun/15 | |
| GC009-CO No. 13 | 7/Aug/15 | |
| GC009-CO No. 14 | 7/Dec/15 | |
| GC009-CO No. 15 | 12/Jan/16 | |
| Inlet Ctr Exc (511414-GC401) | 1/May/13 | |
| Supply Masonry Grout Fill | 16/Jan/14 | |
| Earthworks Coq. Stn | 4/Dec/13 | |
| GC039 Stn Elec. Work | 16/Jan/14 | |
| GC035-CO No. 1 | 30/Sep/14 | |
| GC035-CO No. 2 | 15/Jan/15 | |
| GC035-CO No. 3 | 22/May/15 | |
| GC035-CO No. 4 | 3/Jun/15 | |
| GC035-CO No. 5 | 24/Dec/15 | |
| GC035-CO No. 6 | 11/May/16 | |
| GC039-SubStn & VSF Elec. | 17/Apr/14 | |
| GC039-CO No. 1 | 30/Sep/14 | |
| GC039-CO No. 2 | 14/Jan/15 | |
| GC039-CO No. 3 | 15/May/15 | |
| GC039-CO No. 4 | 3/Jun/15 | |
| GC039-CO No. 5 | 28/Oct/15 | |
| GC039-CO No. 6 | 24/Dec/15 | |
| GC039-CO No. 7 | 28/Oct/15 | |
| GC039-CO No. 8 | 11/May/16 | |

SLCW-GST PROCUREMENT (Continued)

| | | |
|--|-----------|-----------|
| Lougheed Stn Demo (51414- GC404) | 31/May/13 | s.16,s.17 |
| Supply/Install Piling | 8/Jan/14 | |
| GC047-Moody Piling | 17/Apr/14 | |

SLCW-SW PROCUREMENT

| | | |
|---|-----------|--|
| SC9000-04 Lougheed Stn Brownfield Investigation | 13/Mar/14 | |
| SC9000-05 Lougheed Stn Brownfield Installs | 10/Apr/14 | |
| SC9000-05 Lougheed Stn Brownfield Installs CO #2 | 30/Sep/14 | |
| SC9000-05 Lougheed Stn | 6/Nov/14 | |

| | | | | | |
|---|-----------|-----------|--|--|--|
| Brownfield Installs CO #3 | | | | | |
| SC9000-05 Lougheed Stn Brownfield Installs CO #4 | 8/Apr/15 | s.16,s.17 | | | |
| SC9000-06 T&C Support | 11/May/15 | | | | |
| SC9000-06 T&C Support CO#1 | 14/Mar/16 | | | | |
| SC9000-06 T&C Support Change Order No. 2 | 26/May/16 | | | | |
| SC9025-01 OMC Install | 29/May/14 | | | | |
| SC9025-01 OMC Install-CO#1 | 4/May/15 | | | | |
| SC9000-08 Segment 2 Installation | 16/Feb/16 | | | | |
| SC9000-01 Systemwide Install | 5/Aug/14 | | | | |
| SC9000-01 Systemwide Install-CO #1 | 17/Nov/14 | | | | |
| SC9000-01 Systemwide Install-CO #2 | 28/Jan/15 | | | | |
| SC9000-01 Systemwide Install-CO #3 | 17/Mar/15 | | | | |
| SC9000-01 Systemwide Install-CO #4 | 15/Jun/15 | | | | |
| SC9000-01 Systemwide Install-CO #5 | 15/Jul/15 | | | | |
| SC9000-01 Systemwide Install-CO #6 | 15/Sep/15 | | | | |
| SC9000-01 Systemwide Install-CO #7 | 16/Nov/15 | | | | |
| SC9000-01 Systemwide Install-CO #8 | 9/Dec/15 | | | | |
| SC9000-01 Systemwide Install-CO #9 | 12/Jan/16 | | | | |
| SC9000-01 Systemwide Install-CO #10 | 7/Mar/16 | | | | |
| SC9000-01 Systemwide Install-CO #11 | 22/Mar/16 | | | | |
| SC9000-01 Systemwide Install-CO #12 | 9/May/16 | | | | |
| SC9000-02 CO #1 | 27/Mar/14 | | | | |
| SC9000-02 CO #3 | 3/Oct/14 | | | | |
| SC9000-02 CO #4 | 3/Oct/14 | | | | |
| SC9000-02 CO #5 | 25/Aug/15 | | | | |

| | |
|---|------------------------|
| SC9000-08 Segment 2 Equipment Installation | s.16,s.17 16/Feb/16 |
|---|------------------------|

SLCW-SW PROCUREMENT

| | |
|--|-----------|
| SC9000-08 Segment 2 Equipment Installation CO#1 | 2016/0516 |
| SC9000-08 Segment 2 Equipment Installation CO#2 | 2/May/16 |
| SC6000-01 SubStn Equip. Install | 12/Sep/14 |
| SC6000-01 SubStn Equip. Install-C#1 | 28/Nov/14 |
| SC6000-01 SubStn Equip. Install-C#2 | 28/Jan/15 |
| SC6000-01 SubStn Equip. Install-C#3 | 18/Feb/15 |
| SC6000-01 SubStn Equip. Install-C#4 | 17/Mar/15 |
| SC6000-01 SubStn Equip. Install-C#5 | 30/Apr/15 |
| SC6000-01 SubStn Equip. Install-C#6 | 11/Sep/15 |
| SC6000-01 SubStn Equip. Install-C#7 | 16/Nov/15 |
| SC6000-01 SubStn Equip. Install-C#8 | 9/Mar/16 |
| SC6000-01 Substation Equipment Install- C#9 | 22/Mar/16 |
| SC6000-01 Substation Equipment Install- C#7 | 9/May/16 |
| SC7000-01 Stn Communication Install | 8/Dec/14 |
| SC7000-01 Stn Communication Install-CO #1 | 5/May/15 |
| SC7000-01 Stn Communication Install-CO #2 | 25/Aug/15 |
| SC7000-01 Stn Communication Install-CO #3 | 28/Sep/15 |
| SC7000-01 Stn Communication Install-CO #4 | 16/Nov/15 |

| | |
|---|------------------------|
| SC7000-01 Station Communications Install - CO #5 | s.16,s.17 22/Mar/16 |
| SC7000-01 Station Communications Install - CO #6 | 9/May/16 |
| OTHER FN PROCUREMENT | |
| 511325- Environmental Services Sumas Remediation | 5/Aug/14 |

Summary of Activities

- To date there is been great success of engaging aboriginal businesses in project construction with over \$48 million awarded.
- Employment values have begun reduce as the project winds down.
- At least once per quarter, project updates are provided to the Tsleil Waututh and Musqueam Nations through the Economic Development offices.

Challenges/Risks

Work Planned

- Continue to respond to needs of the client and the identified First Nations as the project winds down.

6.0 HEALTH AND SAFETY

6.1 SUMMARY OF SAFETY ACTIVITIES

- Trackworks have now pushed rail up both the IB tunnel & OB tunnels. Lim & Power rail is near competition on IB side.
- Permanent lighting is operational on OB side.
- Stations are employing a couple of workers who are performing deficiency repairs.
- Wesley Fan, our tunnel ventilation engineer came June 28th to take air flow measurements. A final ventilation report is expected by June 30th, 2016.
- Silica dust exposure levels have been tested four times and all test results indicated low levels of silica. The last silica dust test came in high for the rock drill operation. Workers performing this work were not over exposed to silica as they use a ½ mask respirator. One last test is being conducted during the first week of July.
- The TFO Joint Occupational Safety & Health Committee continues to meet monthly at the TFO office.
- T&C are continuing with testing in segments 4 & 5. A test train is expected to travel through the tunnel on July 3rd on the OB track.
- Our contract Industrial Hygienist is working with us to resolve administrative orders written on the tunnel entry program. The meeting with WorkSafeBC on June 1st, 2016, was productive and WorkSafeBC requests all orders are complied with by end of June.

6.2 INJURY AND INCIDENT SUMMARY

- Environmental:

See Environmental Section of Report

- Property/Equipment Damage:

None to report this month

- Lost Time Incident:

- **SLCW TFO – 16/04/20** - LTI from 16/04/20 incident carried over. Worker was struck in the back of the head with a chain fall that fell from an elevated platform as it ascended. Doctor's assessment on 16/05/09 determined worker suffering from symptoms post concussion and has not been cleared to work.

Evergreen Line Rapid Transit Project Month End Report – June 2016

| Hours Worked This Month | First Aid This Month | Medical Aid This Month | Lost Time Days This Month |
|----------------------------|-------------------------|---------------------------|------------------------------|
| 54,048 | 4 | 0 | 24 |
| Hours Worked To Date | First Aid To Date | Medical Aid To Date: | Lost Time Days To Date |
| 4,890,957 | 477 | 63 | 94 |

7.0 FINANCIAL

7.1 PERFORMANCE INCENTIVE PAYMENTS

Refer to the Performance Mechanism Report for full details.

7.2 MILESTONE PAYMENTS

See attached Statement of Progress.

7.3 CHANGE MANAGEMENT

Pricing has been approved for the following Province Changes/Events this month:

- Non-Standard Walkway Covers at Switch Machines
- Minor Works Requested by Province 6
- Public Art Installation – Coquitlam Station

Pricing has been submitted for the following Province Changes:

- None Currently Open

Additional Province Changes active this month include:

- None Currently Open

7.4 RISK MANAGEMENT

Risk registers for each area of work are updated on a monthly basis.

8.0 QUALITY ASSURANCE

The following is a summary of activities.

8.1 STATUS OF QUALITY MANAGEMENT SYSTEM ACTIVITIES

- EGRT Construction continues to work closely with the Province to address quality issues as they arise. Representatives from both sides continue to meet regularly to discuss project quality issues.
- EGRT Construction continues to extend the invite to the Province for internal and external audits.
- The table below shows the current status of the Management Plans

Table 1 – Management Plan Status

| Plan | Latest Date of Issue | Latest Revision | Status |
|---|----------------------|-----------------|----------|
| Quality Manual | 20-Mar-14 | 2 | Received |
| Design Quality Management Plan | 6-May-14 | 3 | Received |
| Environmental Quality Management Plan | 21-Jul-14 | 2 | Received |
| Traffic Quality Management Plan | 1-May-14 | 2 | Received |
| Construction Quality Management Plan – SGJV | 23-Jun-14 | 2 | Received |
| Construction Quality Management Plan – SLCW – GST | 23-Apr-15 | 3 | Received |
| Construction Quality Management Plan – SLCW – EG | 16-Mar-15 | 1 | Received |
| Construction Quality Management Plan – SSJV | 11-Mar-15 | 2 | Received |
| Construction Quality Management Plan – SLCW – SW | 16-Dec-13 | 0 | Accepted |

8.2 AUDIT PROGRAMME

- The tables below show the current status of the Audit Programme.

Table 2 – Audit Programme Status

| Audit Programme | Latest Date of Issue | Latest Revision | Status |
|---|-----------------------------|------------------------|---|
| Quality Audit Programme | 04-Mar-13 | 0 | Received with comments from the Province. Detailed audit programmes were issued separately. |
| Design Quality Management Audit Programme | 20-Jan-15 | 2 | Received |
| Environmental Audit Programme | 04-Dec-15 | 3 | Issued to the Province for Information |
| Traffic Management Audit Programme | 04-Dec-15 | 4 | Issued to the Province for Information |
| Transit Facilities Audit Programme | 05-Dec-14 | 4 | Issued to the Province for Information |
| Construction Quality Management Audit Programme | 4-Feb-16 | 4 | Received |

- To date, 157 quality audits have been completed by EGRT, Joint Ventures and Subcontractors. They are listed on Attachment H.
- There were no audits completed this reporting period.

Table 3 - Quality Audits

| Audit Report Number | Discipline | Auditor | Auditee | Audit Date | NCR's Raised | OFI's Raised |
|-----------------------------|-------------------|----------------|----------------|-------------------|---------------------|---------------------|
| 511325-00000-SWSL-38QB-0394 | Construction | DBC | SLCW-GST | 19-Apr-16 | 0 | 0 |

Table 4 – Four Month Look Ahead Audit Schedule

- The Four Month Look Ahead Audit Schedule is provided in Attachment G.

8.3 PREVENTATIVE ACTION LOG

- There were no preventive actions initiated at this reporting period.
- Below is the tracking log for preventive action.

Table 5 – Preventive Action Log

| PAR No. | Project Team | Brief Description | Response | Date Opened | Verified |
|----------------|---------------------|--------------------------|-----------------|--------------------|-----------------|
| | | | | | |

8.4 SUMMARY OF INSPECTION AND TESTING ACTIVITIES

- Below is a table showing the Inspection and Testing summary for this reporting period.

Table 6 – Summary of Inspection and Testing

| Project Team | Location | Description of Inspection and Testing |
|--------------|--------------------------------|--|
| SLCW-GST | Lafarge Lake – Douglas Station | <ul style="list-style-type: none"> - Inspection of the following work: <ul style="list-style-type: none"> • Site deficiency repairs. • Door hardware installation. • Egress staircase painting. • Chaseway and way-finding signage installation. • Electrical and Mechanical works. |
| SLCW-GST | Lincoln Station | <ul style="list-style-type: none"> - Inspection of the following work: <ul style="list-style-type: none"> • Site deficiency repairs • Door hardware installation • Stainless steel handrail installation • Chaseway and way-finding signage installation • Electrical and Mechanical works |
| SLCW-GST | Coquitlam Centre Station | <ul style="list-style-type: none"> - Inspection of the following work: <ul style="list-style-type: none"> • Site deficiency repairs • Chaseway and way-finding signage installation • Stainless steel handrail installation • Electrical and mechanical works • Parking lot line painting and sign installation |
| SLCW-GST | Aberdeen Ave. Reconstruction | <ul style="list-style-type: none"> - Inspection of site deficiency repairs |
| SLCW-GST | Vehicle Staff Facility | <ul style="list-style-type: none"> - Inspection of site deficiency repairs |
| SLCW-GST | VCIF | <ul style="list-style-type: none"> - Inspection of site deficiency repairs |
| SLCW-GST | Vehicle Storage Facility | <ul style="list-style-type: none"> - Inspection of the following work: <ul style="list-style-type: none"> • Road construction • Chain link fence installation • Precast barrier placement in the parking lot • Curb and sidewalk construction |
| SLCW-GST | Inlet Centre Station | <ul style="list-style-type: none"> - Inspection of the following work: <ul style="list-style-type: none"> • Site deficiency repairs • Glazing installation • Electrical and mechanical works • Door hardware installation |
| SLCW-GST | Moody Centre Station | <ul style="list-style-type: none"> - Inspection of the following work: <ul style="list-style-type: none"> • Concrete placement for sidewalk, bench and planter construction • Site deficiency repairs • Structural steel installation |

| | | |
|----------|--------------------|--|
| | | <ul style="list-style-type: none"> • Installation of glazing • Electrical and mechanical works |
| SLCW-GST | North Portal PPS | - Inspection of the following works: <ul style="list-style-type: none"> • Site deficiency repairs • Door hardware installation |
| SLCW-GST | Burquitlam PPS | - Inspection of the following works: <ul style="list-style-type: none"> • Site deficiency repairs • Door hardware installation |
| SLCW-GST | Burquitlam Station | - Inspection of site deficiency repairs. |
| SLCW-GST | Lougheed Station | - Inspection of site deficiency repairs. |

8.4.1 DBC

- There were no ITPs issued by DBC this reporting period.

8.4.2 SLCW-GST

- There were no ITPs issued by SLCW-GST this reporting period.

8.4.3 SLCW-SW

- There were no ITPs issued by SLCW-SW this reporting period.

8.5 NONCONFORMITY REPORTS AND CORRECTIVE ACTION

- The table below shows the current status of active NCRs.
- Associated Corrective Action for any NCR can be referred to the NCR Tracking System. Below is the link to the website.

<http://csc.snclavalin.com/sites/EvergreenNCRTS/default.aspx>

Table 7 –NCR and CAR Status

| NCR No. | Description of Nonconformity | Date Open | Date Ended | Status | Description of Correction |
|-----------|--|-----------|------------|----------------------|---------------------------|
| SSJV-0035 | Additional Segments With Curing Temperatures Exceeded 70 °C, Installed In The Tunnel | 24-Mar-15 | | Final Quality Review | Use-as-is |

| | | | | | |
|-------------------|--|------------|------------|---------------------------|-----------|
| SLCW-GST-0073 | Drainage issue at DF pads locations in Section 330 | 26-May-15 | | Correction Implementation | Repair |
| SLCW-GST-0074 | Escalators – Sound Absorption Material “all stations” | 15-Jun-15 | | Correction Implementation | Rework |
| SLCW-GST-0085 | Staircase Grating Openings at Moody Station | 11-Mar-16 | 13-June-16 | Ended | Repair |
| SLCW-GST-0086 | Projectwide Lighting Fixtures Ballast | 21-Mar-16 | | Correction Implementation | Rework |
| SLCW-GST-0087 | Moody Mezzanine Lighting Level | 21-Mar-16 | 13-June-16 | Ended | Repair |
| SLCW-GST-0088 | Deficient Implementation of Incident Notification and Spill Reporting Procedures | 13-Apr-16 | 7-June-16 | Ended | Use as is |
| SLCW-GST-0089 | Corrosion of LIM Studs at Stud-Grout Interface | 25-May-16 | | Correction Implementation | Repair |
| SLCW-Systems-0009 | Interface tolerance between running rail and expansion joint | 15-June-16 | | Correction Implementation | Repair |
| DBC-0006 | Bird Nesting Survey | 17-June-16 | | Assigned | |
| SLCW-GST-0090 | Station Floor Drainage | 22-June-16 | | Activated | |

8.6 CONTINUAL IMPROVEMENT INITIATIVES

Improvement initiatives are presently done through Opportunity for Improvements and Corrective Actions related to NCRs.

9.0 PROJECT PHOTOGRAPHS



Figure 1 – Main Rail, LIM Rail, and Power Rail Completed Portion in Inbound Tunnel



Figure 2 – Lighting feeder junction box installation



Figure 3 – Cross-passage Blue light station, ETEL and FLSS connection panel

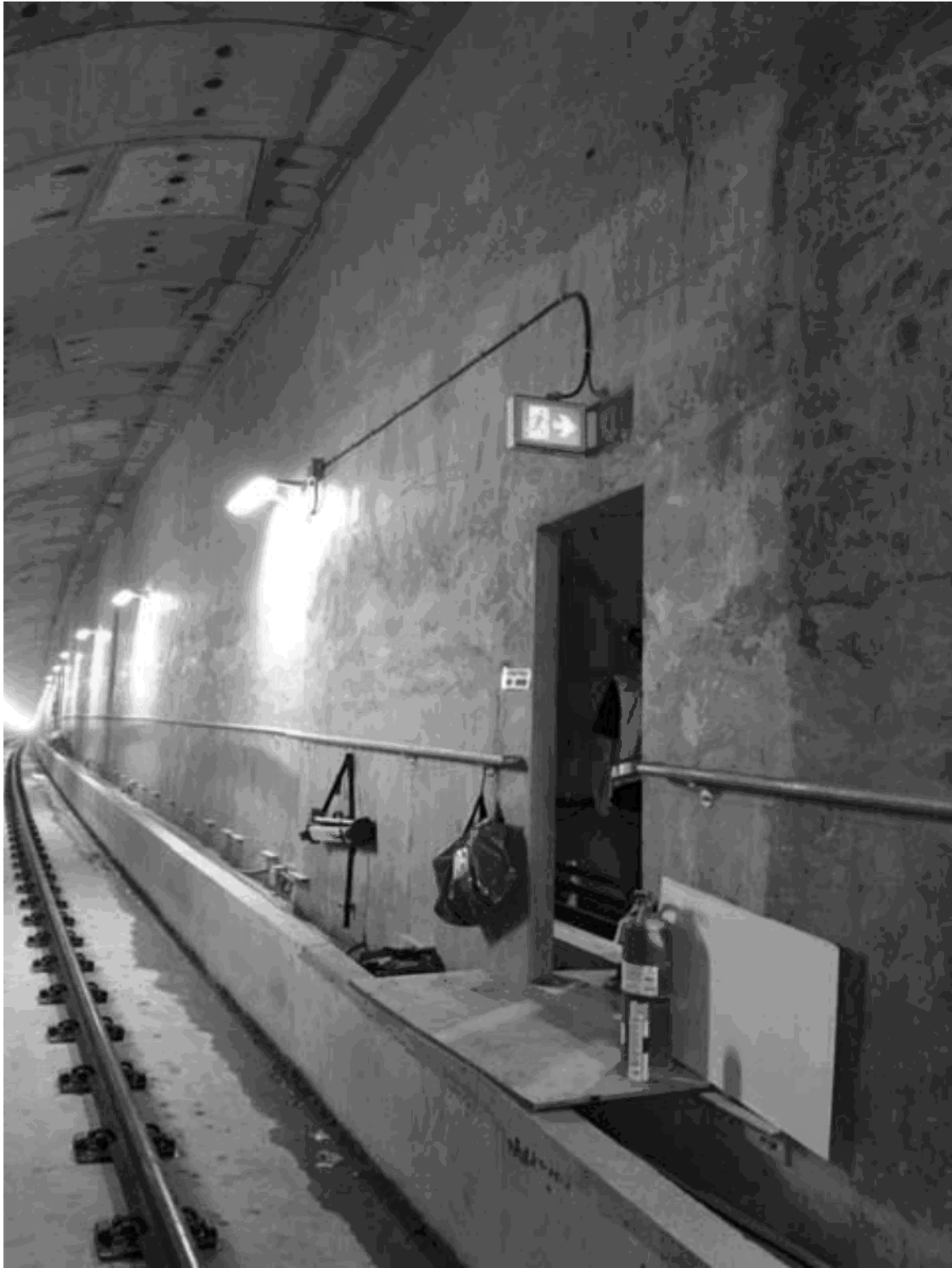


Figure 4 – Cross-passage view from tunnel outbound side



Figure 5 – Tunnel Inbound Propulsion Power Disconnect Switch Platform

Attachments

Attachment A – Submission List – Systems - ***Discontinued***

Attachment B – Project Schedule

Attachment C – Activity Changes - ***Discontinued***

Attachment D – Logic Changes - ***Discontinued***

Attachment E – Alignment Key Plan

Attachment F – Environmental Existing Permits

Attachment G – Four Month Look Ahead Audit Schedule

Attachment H – Quality Audits

ATTACHMENT A
SYSTEM MANAGEMENT PLAN
DISCONTINUED

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-----|-------------|-------------|-------------|-----|--|--|--|--|-----------|-----|--|-----------|---------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| <div><div><div>EGRT</div><div>CONSTRUCTION</div></div><div><div></div><div></div><div></div></div></div> | | EVERGREEN LINE RAPID TRANSIT PROJECT ELRT Project Schedule Update - (DD. 27JUN2016) Condensed Schedule | | | | | | | | | | Date | | Revision | | Checked | | Approved | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 08-Jul-16 | | Project Schedule Update (DD.27JUN2016) Rev.0 | | | | | | | | | | JS | | JS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Activity ID | | Activity Name | | | | | | | | | | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | |
| ELRT Project Schedule - June 2016 Update - (DD.27JUN2016) -- Working Schedule | | | | | | | | | | | | 1248 | 355 | 08-Nov-12 A | 29-Nov-17 | 0 | 0 | <div><div>◆ 6 Month Notification for Substantial Completion</div><div>◆ MKII Train Delivery for Test Zone 3/4/5 - Delivered Manually through Tunnel</div><div>◆ Substantial Completion (Target Date July 29, 2016) - (Anticipated; February 29, 2016)</div><div>◆ Total Completion Period (Target Date October 31, 2016)</div><div>◆ Service Commencement - Earliest Date</div><div>◆ Service Commencement (Target Date August 30, 2016) - (Anticipated; March 31, 2016)</div><div>◆ Availability Demonstration Completion Period (Target Date August 30, 2017)</div><div>◆ TIDS Performance Demonstration Completion Period (Target Date August 30, 2017)</div><div>◆ Total Completion (Target Date October 31, 2016) - (Anticipated; May 29, 2016)</div><div>◆ Availability Demonstration Completion Target Date (Target Date August 30, 2017)</div><div>◆ TIDS Performance Demonstration Completion (Target Date August 30, 2017)</div><div>◆ GW ready for Systems Cable Tray Installation (BQZ to NPZ) - Tunnel 1A</div><div>◆ Tunnel 1A - GW ready for Systems installation</div><div>◆ Tunnel 1B - GW ready for Systems installation</div><div>◆ Prepare and Submit Environmental Final Completion Report</div><div>◆ Prepare & submit Systems Software Design mgmt Plan for SCDR (B.9), Prepare & submit Systems Software Design mgmt Plan for SCDR (B.9)</div><div>◆ EGRT Safety documentation</div><div>◆ FLSS TVS Safety documentation</div><div>◆ Overall TVS Safety certification</div><div>◆ Prepare and Submit Safety Requirements Verification Report</div><div>◆ Prepare and Submit Final Systems Safety Report</div><div>◆ Safety Requirements Verification Report available</div><div>◆ Final Systems Safety Report available</div><div>◆ Prepare and Submit Requirements Verification Report</div><div>◆ Prep and submit Documentation Pkg to allow Service Commencement</div><div>◆ Prep and submit Documentation Pkg to allow Trial Running (10.7)</div><div>◆ Documentation Pkg to allow Service Commencement available</div><div>◆ Documentation Pkg to allow Trial Running available</div><div>◆ Prepare and submit Trial Running Test Report</div><div>◆ Trial Running Test Report available</div><div>◆ PS&D AARU SIT procedure - prepare & submit to Province, PS&D AARU SIT procedure - prepare & submit to Province</div><div>◆ ICS - TVS - Province review SAT procedures</div><div>◆ ICS - TVS SSIT procedures - prepare & submit (M&E)</div><div>◆ ICS - Tunnel Ventilation system SIT procedures - prepare & submit</div><div>◆ ICS - Tunnel ventilation system SSIT procedures (incl PLC SSIT) submitted to Province</div><div>◆ Radio SSIT procedures - prepare & submit to Province, Radio SSIT procedures - prepare & submit to Province</div><div>◆ TRIMS SSIT procedures - prepare & submit to Province, TRIMS SSIT procedures - prepare & submit to Province</div><div>◆ PS&D - prepare and submit test reports, PS&D - prepare and submit test reports</div><div>◆ DFO Restriction Period 2015/2016, DFO Restriction Period 2015/2016</div><div>◆ CWS & MoE Restriction Period 2016, CWS & MoE Restriction Period 2016</div><div>◆ DFO Working Window 2016</div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL/START UP | | 930 | 355 | 03-Mar-14 A | 29-Nov-17 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Key Dates | | 378 | 351 | 29-Apr-16 A | 29-Nov-17 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100325 | | 6 Month Notification for Substantial Completion | 0 | 0 | 29-Apr-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100165 | | MKII Train Delivery for Test Zone 3/4/5 - Delivered Manually through Tunnel | 0 | 0 | 04-Jul-16 | | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100300 | | Substantial Completion (Target Date July 29, 2016) - (Anticipated; February 29, 2016) | 0 | 0 | | 31-Oct-16* | -93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100155 | | Total Completion Period (Target Date October 31, 2016) | 87 | 87 | 31-Oct-16 | 25-Jan-17* | -86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100330 | | Service Commencement - Earliest Date | 0 | 0 | 03-Nov-16 | | 392 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100310 | | Service Commencement (Target Date August 30, 2016) - (Anticipated; March 31, 2016) | 0 | 0 | | 30-Nov-16* | -94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100315 | | Availability Demonstration Completion Period (Target Date August 30, 2017) | 365 | 365 | 30-Nov-16 | 29-Nov-17 | -93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100335 | | TIDS Performance Demonstration Completion Period (Target Date August 30, 2017) | 365 | 365 | 30-Nov-16 | 29-Nov-17 | -93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100305 | | Total Completion (Target Date October 31, 2016) - (Anticipated; May 29, 2016) | 0 | 0 | | 31-Jan-17 | 209 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100320 | | Availability Demonstration Completion Target Date (Target Date August 30, 2017) | 0 | 0 | | 29-Nov-17* | -93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100340 | | TIDS Performance Demonstration Completion (Target Date August 30, 2017) | 0 | 0 | | 29-Nov-17* | -93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Work Access Dates | | 0 | 0 | 27-Jun-16 | 27-Jun-16 | 0 | -59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guideway Cable Tray Access Dates | | 0 | 0 | 27-Jun-16 | 27-Jun-16 | 0 | -59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACS4010 | | GW ready for Systems Cable Tray Installation (BQZ to NPZ) - Tunnel 1A | 0 | 0 | 27-Jun-16 | | -59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hand Over Milestones - SW | | 4 | 4 | 27-Jun-16 | 30-Jun-16 | 0 | -46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SYS825100 | | Tunnel 1A - GW ready for Systems installation | 0 | 0 | | 27-Jun-16 | -59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SYS825300 | | Tunnel 1B - GW ready for Systems installation | 0 | 0 | | 30-Jun-16 | -46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plans and Submissions | | 680 | 105 | 03-Mar-14 A | 25-Nov-16 | 0 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environmental Plans | | 60 | 60 | 31-Aug-16 | 25-Nov-16 | 0 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104135 | | Prepare and Submit Environmental Final Completion Report | 60 | 60 | 31-Aug-16 | 25-Nov-16 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Plan Submissions / Systems Design mgmt | | 20 | 20 | 03-Mar-14 A | 25-Jul-16 | 0 | -38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104280 | | Prepare & submit Systems Software Design mgmt Plan for SCDR (B.9) | 20 | 20 | 03-Mar-14 A | 25-Jul-16 | -38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Safety | | 38 | 38 | 12-Sep-16 | 04-Nov-16 | 0 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107705 | | EGRT Safety documentation | 0 | 0 | | 12-Sep-16 | 208 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107725 | | FLSS TVS Safety documentation | 0 | 0 | | 13-Sep-16 | 207 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107805 | | Overall TVS Safety certification | 0 | 0 | | 13-Sep-16 | 207 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104340 | | Prepare and Submit Safety Requirements Verification Report | 20 | 20 | 23-Sep-16 | 21-Oct-16 | -58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104345 | | Prepare and Submit Final Systems Safety Report | 30 | 30 | 23-Sep-16 | 04-Nov-16 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104344 | | Safety Requirements Verification Report available | 0 | 0 | | 21-Oct-16 | -58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104348 | | Final Systems Safety Report available | 0 | 0 | | 04-Nov-16 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Verification and Validation testing | | 20 | 20 | 25-Aug-16 | 22-Sep-16 | 0 | -38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104425 | | Prepare and Submit Requirements Verification Report | 20 | 20 | 25-Aug-16 | 22-Sep-16 | -38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems test documentation | | 229 | 88 | 09-Nov-15 A | 01-Nov-16 | 0 | -45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104455 | | Prep and submit Documentation Pkg to allow Service Commencement | 30 | 30 | 27-Jun-16 | 09-Aug-16 | -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104450 | | Prep and submit Documentation Pkg to allow Trial Running (10.7) | 50 | 50 | 11-Jul-16 | 20-Sep-16 | -56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104456 | | Documentation Pkg to allow Service Commencement available | 0 | 0 | | 09-Aug-16 | -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104451 | | Documentation Pkg to allow Trial Running available | 0 | 0 | | 20-Sep-16 | -56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104435 | | Prepare and submit Trial Running Test Report | 10 | 10 | 19-Oct-16 | 01-Nov-16 | -45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104436 | | Trial Running Test Report available | 0 | 0 | | 01-Nov-16 | -45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Procedures | | 142 | 5 | 09-Nov-15 A | 04-Jul-16 | 0 | -33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN108150 | | PS&D AARU SIT procedure - prepare & submit to Province | 15 | 5 | 09-Nov-15 A | 04-Jul-16 | -52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900160 | | ICS - TVS - Province review SAT procedures | 24 | 0 | 09-Dec-15 A | 05-May-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900045 | | ICS - TVS SSIT procedures - prepare & submit (M&E) | 13 | 0 | 11-Apr-16 A | 25-Apr-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107665 | | ICS - Tunnel Ventilation system SIT procedures - prepare & submit | 15 | 0 | 11-Apr-16 A | 25-Apr-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107660 | | ICS - Tunnel ventilation system SSIT procedures (incl PLC SSIT) submitted to Province | 0 | 0 | | 25-Apr-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107775 | | Radio SSIT procedures - prepare & submit to Province | 20 | 0 | 16-May-16 A | 27-Jun-16 | -48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107790 | | TRIMS SSIT procedures - prepare & submit to Province | 20 | 0 | 16-May-16 A | 27-Jun-16 | -28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other submissions | | 100 | 24 | 26-Oct-15 A | 29-Jul-16 | 0 | -45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN108190 | | PS&D - prepare and submit test reports | 100 | 24 | 26-Oct-15 A | 29-Jul-16 | -45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Constraints | | 326 | 81 | 16-Sep-15 A | 15-Sep-16 | 0 | 347 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN106020 | | DFO Restriction Period 2015/2016 | 320 | 35 | 16-Sep-15 A | 31-Jul-16 | 347 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN106080 | | CWS & MoE Restriction Period 2016 | 137 | 35 | 15-Mar-16 A | 31-Jul-16 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN106100 | | DFO Working Window 2016 | 46 | 46 | 01-Aug-16 | 15-Sep-16 | 347 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Remaining Level of Effort

Actual Level of Effort

Primary Baseline

Actual Work

Remaining Work

Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

Page 1 of 13
Printed - 08-Jul-16

[illegible]

[illegible]

Page 56 of 290 TRA-2016-64424

| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | |
|-------------|---------------------------------|---|-----|-------|-------------|-------------|-----|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
| | | | | | | | | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | |
| | T&C312050 | Test Zone 3 - CCTV available for TL H/E integration | 0 | 0 | | 11-Jul-16 | 0 | -21 | ◆ Test Zone 3 - CCTV available for TL H/E integration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C300205 | Test Zone 3 - CCTV head end SAT (TL) | 10 | 10 | 12-Jul-16 | 25-Jul-16 | 20 | -21 | ■ Test Zone 3 - CCTV head end SAT (TL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C900170 | FCZ/VSF - LAN / Ethernet connection available | 5 | 5 | 14-Jul-16 | 20-Jul-16 | 13 | -21 | ■ FCZ/VSF - LAN / Ethernet connection available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C331090 | U/G Radio ready for SAT at MC Station | 0 | 0 | | 28-Jul-16 | 25 | -40 | ◆ U/G Radio ready for SAT at MC Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C312090 | Test Zone 3-5 - CCTV / WMS / FLSS SIT (TL) | 5 | 5 | 24-Aug-16 | 30-Aug-16 | 0 | 22 | ■ Test Zone 3-5 - CCTV / WMS / FLSS SIT (TL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C300220 | Test zone 3-5 - TIDS / CCTV / FLSS (TL) | 5 | 5 | 31-Aug-16 | 07-Sep-16 | 0 | 22 | ■ Test zone 3-5 - TIDS / CCTV / FLSS (TL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C300250 | Test zone 3 - TIDS System verification complete | 0 | 0 | | 07-Sep-16 | 57 | 22 | ◆ Test zone 3 - TIDS System verification complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C10020 | MC to IC - Integrated Systems and Dynamic Tests | 5 | 5 | 17-Sep-16 | 22-Sep-16 | 0 | -69 | ■ MC to IC - Integrated Systems and Dynamic Tests | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C10025 | IC to CC - Integrated Systems and Dynamic Tests | 5 | 5 | 17-Sep-16 | 22-Sep-16 | 0 | -69 | ■ IC to CC - Integrated Systems and Dynamic Tests | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Test Zone 4 (CCS, LIS, LAS/LAZ) | | 125 | 61 | 07-Mar-16 A | 22-Sep-16 | 0 | 294 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140135 | Test Zone 4 - ATC DYNAMIC testing (VCC switch, Data comms, G/W correspondence) | 20 | 0 | 07-Mar-16 A | 07-Apr-16 A | | | ■ Test Zone 4 - ATC DYNAMIC testing (VCC switch, Data comms, G/W correspondence) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461050 | LI Stn - CCTV local SAT (Occured on March 24th, April 5th, and 1/2day on April 8th) | 5 | 0 | 24-Mar-16 A | 08-Apr-16 A | | | ■ LI Stn - CCTV local SAT (Occured on March 24th, April 5th, and 1/2day on April 8th) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461020 | LI Stn - WMS local SAT to PLC | 5 | 0 | 29-Mar-16 A | 29-Mar-16 A | | | LI Stn - WMS local SAT to PLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461170 | LI Stn - WMS Station SIT | 5 | 0 | 29-Mar-16 A | 29-Mar-16 A | | | LI Stn - WMS Station SIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461040 | LI Stn - FLSS SAT including Linear heat sensors (SW/Tyco) | 5 | 0 | 30-Mar-16 A | 01-Apr-16 A | | | ■ LI Stn - FLSS SAT including Linear heat sensors (SW/Tyco) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461130 | LI Stn - FLSS / PASSIT (SW/Tyco) | 5 | 0 | 30-Mar-16 A | 01-Apr-16 A | | | ■ LI Stn - FLSS / PASSIT (SW/Tyco) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461140 | LI Stn - FLSS Station SIT | 5 | 0 | 30-Mar-16 A | 01-Apr-16 A | | | ■ LI Stn - FLSS Station SIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C451060 | CC Stn - PA set to work and local SAT | 3 | 0 | 04-Apr-16 A | 06-Apr-16 A | | | ■ CC Stn - PA set to work and local SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471060 | LA Stn - PA set to work & local SAT | 5 | 0 | 11-Apr-16 A | 13-Apr-16 A | | | ■ LA Stn - PA set to work & local SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471062 | LA Stn - PA STIPA SAT | 5 | 0 | 11-Apr-16 A | 13-Apr-16 A | | | ■ LA Stn - PA STIPA SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C451130 | CC Stn - FLSS / PASSIT (SW/Tyco) | 5 | 0 | 14-Apr-16 A | 20-Apr-16 A | | | ■ CC Stn - FLSS / PASSIT (SW/Tyco) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461060 | LI Stn - PA set to work & local SAT | 5 | 0 | 18-Apr-16 A | 20-Apr-16 A | | | ■ LI Stn - PA set to work & local SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461062 | LI Stn - PA STIPA SAT | 5 | 0 | 18-Apr-16 A | 20-Apr-16 A | | | ■ LI Stn - PA STIPA SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461010 | LI Stn - PIDS SAT | 5 | 0 | 26-Apr-16 A | 26-Apr-16 A | | | ■ LI Stn - PIDS SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461190 | LI Stn - SEEIP SAT | 5 | 0 | 26-Apr-16 A | 26-Apr-16 A | | | ■ LI Stn - SEEIP SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PPS500170 | LAZ - PS&D eqt ready for Power rail testing | 0 | 0 | | 27-Jun-16 | 0 | 350 | ◆ LAZ - PS&D eqt ready for Power rail testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C452150 | LAZ - FLSS Equipment SAT (SW/Tyco) | 5 | 5 | 27-Jun-16 | 04-Jul-16 | 5 | -15 | ■ LAZ - FLSS Equipment SAT (SW/Tyco) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140080 | Test Zone 4 - Blue Light System SIT | 5 | 5 | 27-Jun-16 | 04-Jul-16 | 350 | 350 | ■ Test Zone 4 - Blue Light System SIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PPS500250 | LAZ - PS&D connected to power rail, ready for testing (Seg 5) | 0 | 0 | | 27-Jun-16 | 20 | -41 | ◆ LAZ - PS&D connected to power rail, ready for testing (Seg 5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C452140 | LAZ - remote SCADA / PPS SIT | 5 | 5 | 27-Jun-16 | 04-Jul-16 | 0 | -46 | ■ LAZ - remote SCADA / PPS SIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C452055 | LAZ ready to deliver propulsion power | 0 | 0 | | 27-Jun-16 | 0 | -41 | ◆ LAZ ready to deliver propulsion power | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C810250 | Faregates available for TL H/E integration - LAS | 0 | 0 | | 27-Jun-16 | 107 | 43 | ◆ Faregates available for TL H/E integration - LAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C452135 | SCADA system verification complete - LAZ | 0 | 0 | | 04-Jul-16 | 15 | -46 | ◆ SCADA system verification complete - LAZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140485 | FOCS / OTN to CCS available | 0 | 0 | | 06-Jul-16 | 0 | -48 | ◆ FOCS / OTN to CCS available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C451160 | FLSS Available for TL H/E integration - CCS | 0 | 0 | | 06-Jul-16 | 38 | -12 | ◆ FLSS Available for TL H/E integration - CCS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C810040 | DDC available for TL H/E integration - CCS | 0 | 0 | | 06-Jul-16 | 50 | -8 | ◆ DDC available for TL H/E integration - CCS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C810240 | Faregates available for TL H/E integration - CCS | 0 | 0 | | 06-Jul-16 | 50 | -8 | ◆ Faregates available for TL H/E integration - CCS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471080 | LA Stn - Radio local SAT (A/G) | 5 | 5 | 12-Jul-16 | 18-Jul-16 | 0 | -48 | ■ LA Stn - Radio local SAT (A/G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140145 | Test Zone 4 - CC switch & PESB correspondence testing | 10 | 10 | 12-Jul-16 | 25-Jul-16 | 0 | -61 | ■ Test Zone 4 - CC switch & PESB correspondence testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140475 | FOCS / OTN SAT FCZ - CCS - LIS | 5 | 5 | 12-Jul-16 | 18-Jul-16 | 0 | -61 | ■ FOCS / OTN SAT FCZ - CCS - LIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471140 | LAS / LAZ - FLSS Station SIT | 5 | 5 | 12-Jul-16 | 18-Jul-16 | 5 | -20 | ■ LAS / LAZ - FLSS Station SIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C451250 | CC Stn - SEEIP SAT | 5 | 5 | 12-Jul-16 | 18-Jul-16 | 0 | -26 | ■ CC Stn - SEEIP SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C452310 | Test zone 4 - TIDS / COMMS SIT (CCTV & FLSS) | 5 | 5 | 12-Jul-16 | 18-Jul-16 | 10 | 57 | ■ Test zone 4 - TIDS / COMMS SIT (CCTV & FLSS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140490 | FOCS / OTN to LIS available | 0 | 0 | | 18-Jul-16 | 0 | -61 | ◆ FOCS / OTN to LIS available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461160 | FLSS Available for TL H/E integration - LIS | 0 | 0 | | 18-Jul-16 | 30 | -20 | ◆ FLSS Available for TL H/E integration - LIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C451260 | CCS PIS available for TL H/E integration | 0 | 0 | | 18-Jul-16 | 10 | -26 | ◆ CCS PIS available for TL H/E integration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C810050 | DDC available for TL H/E integration - LIS | 0 | 0 | | 18-Jul-16 | 42 | -16 | ◆ DDC available for TL H/E integration - LIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C810260 | Faregates available for TL H/E integration - LIS | 0 | 0 | | 18-Jul-16 | 92 | 28 | ◆ Faregates available for TL H/E integration - LIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461030 | LI Stn - LAN eqt SAT | 5 | 5 | 19-Jul-16 | 25-Jul-16 | 0 | -56 | ■ LI Stn - LAN eqt SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140125 | FOCS / OTN SAT LIS - LAS/LAZ | 5 | 5 | 19-Jul-16 | 25-Jul-16 | 0 | -61 | ■ FOCS / OTN SAT LIS - LAS/LAZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C45100 | Radio - SAT all above ground base stations concurrently | 10 | 10 | 19-Jul-16 | 02-Aug-16 | 0 | -48 | ■ Radio - SAT all above ground base stations concurrently | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471025 | LA Stn - Comms Equipment SATs complete | 0 | 0 | | 25-Jul-16 | 20 | -41 | ◆ LA Stn - Comms Equipment SATs complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140130 | Test Zone 4 - FOC FCZ - LAS/LAZ available | 0 | 0 | | 25-Jul-16 | 0 | -61 | ◆ Test Zone 4 - FOC FCZ - LAS/LAZ available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471150 | FLSS Available for TL H/E integration - LAS / LAZ | 0 | 0 | | 25-Jul-16 | 25 | -25 | ◆ FLSS Available for TL H/E integration - LAS / LAZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C461200 | LIS PIS available for TL H/E integration | 0 | 0 | | 25-Jul-16 | 5 | -31 | ◆ LIS PIS available for TL H/E integration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C810060 | DDC available for TL H/E integration - LAS | 0 | 0 | | 25-Jul-16 | 37 | -21 | ◆ DDC available for TL H/E integration - LAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C810110 | DDC available for TL H/E integration - LAZ | 0 | 0 | | 25-Jul-16 | 37 | -21 | ◆ DDC available for TL H/E integration - LAZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS920680 | IAN5 B WMS - SAT with Head End (Segment 3-5) (TL) | 20 | 20 | 26-Jul-16 | 23-Aug-16 | 17 | -41 | ■ IAN5 B WMS - SAT with Head End (Segment 3-5) (TL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471010 | LA Stn - PIDS SAT | 5 | 5 | 26-Jul-16 | 02-Aug-16 | 0 | -36 | ■ LA Stn - PIDS SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C452200 | Test Zone 4 TRIMS / PA / Telephony SSIT | 5 | 5 | 26-Jul-16 | 02-Aug-16 | 0 | -29 | ■ Test Zone 4 TRIMS / PA / Telephony SSIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C471180 | LA Stn - SEEIP SAT | 5 | 5 | 26-Jul-16 | 02-Aug-16 | 0 | -46 | ■ LA Stn - SEEIP SAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C452320 | Test zone 4 - TIDS / ATC SIT | 5 | 5 | 26-Jul-16 | 02-Aug-16 | 0 | 47 | ■ Test zone 4 - TIDS / ATC SIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C312070 | Test Zone 4 - CCTV - Indigo database cutover (FMI 021) | 5 | 5 | 26-Jul-16 | 02-Aug-16 | 0 | -41 | ■ Test Zone 4 - CCTV - Indigo database cutover (FMI 021) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Remaining Level of Effort

Actual Level of Effort

Primary Baseline

Actual Work

Remaining Work

Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

Page 11 of 13
Printed - 08-Jul-16

ATTACHMENT C
ACTIVITY CHANGES
DISCONTINUED

ATTACHMENT D
LOGIC CHANGES
DISCONTINUED

Withheld pursuant to/removed as

Attachment F

Environmental Management

Permitting Status – Key Active Permits (expired or otherwise inactive permits are shown in grayscale font)

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|------------------|--|
| Federal | | | |
| DFO Authorization – to authorize harmful alteration or disruption, or the destruction, of fish habitat (HADD) | <i>Fisheries Act</i> ¹ , Subsection 35(2)(b) | July 11, 2013 | The DFO Authorization (#06-HPAC-PA1-00001) was signed by DFO and the Ministry of Transportation and became effective on July 18, 2013. The Permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to address design developments and method changes that occurred after issuance of the Authorization on July 18, 2013 | <i>Fisheries Act</i> , Subsection 35(2)(b) | January 24, 2014 | DFO amended Authorization No. 06-HPAC-PA1-00001 on January 27, 2014. The Amendment expires on Dec. 31, 2016. |
| Request for DFO review of final proposed habitat compensation for the Project (including various changes to habitat compensation as compared to the habitat compensation described in the Project Authorization #06-HPAC-PA1-00001 as amended on January 27, 2014). | <i>Fisheries Act</i> , Subsection 35(2)(b) | April 30, 2015 | On May 21, 2015 DFO issued a letter to the Province accepting all of EGRT's proposed changes. The updated habitat compensation supersedes the compensation described in the Project Authorization #06-HPAC-PA1-00001 (as amended on January 27, 2014) but all other conditions of the Authorization continue to apply. The Authorization expires on Dec. 31, 2016. |
| DFO Permit to allow fish salvage during construction | <i>Fisheries Act</i> , Fishery (General) Regulation | June 25, 2013 | The permit (#XR 239-2013) was received on July 8, 2013. The permit expired on June 30 2014. A new permit was obtained (see row below). |

¹ Amendments to the *Fisheries Act* came into effect on November 2013 that repealed the HADD provisions of Subsection 35(2). However, DFO Authorization #06-HPAC-PA1-00001 is grandfathered under the amended Act and remains in effect.

| Permit Description | Act/Regulation | Application Date | Status |
|--|--|-------------------------|--|
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | March 18, 2014 | The permit (#XR 239-2014) was received on March 21, 2014. Note this permit supersedes #XR 239-2013 (see row above). |
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | January 8, 2015 | The permit (#XR 71 2014 – Amendment 2) was received on January 15, 2015. Subsequently, the Permit was further amended to include road works and culvert installation at Pinnacle Creek, The Permit expired on December 31, 2015. |
| DFO Permit to allow fish salvage during habitat compensation construction at Schoolhouse Creek. | <i>Fisheries Act, Fishery (General) Regulation</i> | December 24, 2015 | The permit (XR 376 2015) was received on December 28, 2015. The permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to allow instream works at Kyle Creek from Oct. 1 – 15, 2013 | <i>Fisheries Act, Subsection 35(2)</i> | Sept. 30, 2013 | Email amendment was received from DFO on Sept. 30, 2013. The relevant work is complete. |
| Request for DFO review of proposed out-of-window instream work at Tributary to Suterbrook Creek (to begin construction of instream Pier P3-15) | <i>Fisheries Act, Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001</i> | January 27, 2014 | DFO issued a “no objection” email to the Province on January 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct instream works to build Utility 4011 outside the least risk window specified in DFO Authorization #06-HPAC-PA1-00001) | <i>Fisheries Act, Subsection 35(2)(b)</i> | March 25, 2014 | DFO issued a “no objection” email to the Province on March 25, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Scott Creek (work to be completed no later than October 10, 2014) | <i>Fisheries Act, Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001</i> | August 20, 2014 | DFO issued a “no objection” email to EGRT on August 21, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than October 30, 2014) | <i>Fisheries Act, Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001</i> | August 28, 2014 | DFO issued a “no objection” email to the Province on August 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT | <i>Fisheries Act,</i> | October 28, 2014 | DFO issued a “no |

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|--------------------|---|
| proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than November 16, 2014) | Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | | objection" email to the Province on October 28, 2014. The relevant work is complete. |
| Request to DFO to allow instream works to occur outside the least-risk fisheries window at Scott Creek (to install bank stabilization). | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | January 29, 2015 | DFO issued a "no objection" email to the EGRT on January 30, 2015. The relevant work is complete. |
| Provincial | | | |
| Ministry of Forests, Lands and Natural Resource Operations (FLNR) Approval to allow changes in and about a stream (major works) at Kyle Creek, Suterbrook Creek, Scott Creek and "Mariner Pond" | <i>Water Sustainability Act</i> ² , Section 11 | May 27, 2013 | Approval (#A2006043) was received on July 24, 2013. The Approval expires Dec. 31, 2016. |
| Order amending Approval A2006043 to allow instream works to occur outside the least-risk fisheries window | <i>Water Sustainability Act</i> , Section 11 | September 30, 2013 | The Order was received on Sept. 30, 2013. The Order applies to all watercourses affected by the Project. The Order expires Dec. 31, 2016. |
| Approval to construct habitat compensation at Hoy Creek. | <i>Water Sustainability Act</i> , Section 11 | May 14, 2015 | Approval (#A2006297) was received on July 23, 2015. The Approval expires Dec. 1, 2016. |
| Approval to construct habitat compensation at Schoolhouse Creek. | <i>Water Sustainability Act</i> , Section 11 | May 15, 2015 | Approval (#2006301) was received on December 21, 2015. The Approval expires Dec. 1, 2017. |
| Notification to FLNR Habitat Officer to allow changes in and about a stream (GVSD storm system repairs) – Ottley Creek | <i>Water Sustainability Act</i> , Section 11 <i>Water Sustainability Regulation</i> , Part 3 | June 21, 2016 | Notification was assigned file # 100169648. FLNR has 45 calendar days to review the Notification. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Schoolhouse Creek | <i>Water Sustainability Regulation</i> , Part 3 | May 17, 2013 | The Permit (FLNR tracking #2013-104) has expired and is superseded by a new Notification (see row below). |

² A new *Water Sustainability Act* came into force in early 2016 that updated and replaced the historic *Water Act*. Approvals shown in this matrix were all issued pursuant to section 9 of the *Water Act*. Those that remain active are grandfathered under the WSA. Section 11 of the WSA is now the relevant Section. The matrix has been updated to show the Approvals are pursuant to the WSA, Section 11. Similarly, the *Water Regulation* was replaced by the *Water Sustainability Regulation*. Except for the Notification shown for culvert repairs at Ottley Creek (June 21, 2016), all the Notifications shown in the matrix were originally submitted pursuant to Part 7 of the *Water Regulation*. The applicable regulation is now Part 3 of the *Water Sustainability Regulation*, as shown in this matrix.

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|-------------------------|--|
| Notification to FLNR to allow changes in and about a stream (drainage, PPS and road works) – Schoolhouse Creek | Water Sustainability Regulation, Part 3 | Dec. 10, 2013 | The Permit (FLRN tracking #124843) is now in place and supersedes #2013-104 (see row above). The Notification expired Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Permit (FLRN tracking #111384) has expired and is superseded by a new Notification (see row below). |
| Notification to FLNR to allow changes in and about a stream (changes to guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | November 14, 2013 | The Permit (FLRN tracking #120176) is now in place and supersedes #111384 (see row above). The Notification expired on Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Permit (FLRN tracking #112669) expired on September 30, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145189) and became active on October 1, 2014 superseding the previous Notification. The Notification expired Dec. 31, 2015. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | June 14, 2013 | The Permit (FLRN tracking #112669) is now in place. The Notification expired on May 15, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Notification expired on December 31, 2015. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Notification (FLNR Tracking #111383) expired on September 30, 2014 and is superseded by an updated Notification which becomes active on Oct 1, 2014 (see row |

| Permit Description | Act/Regulation | Application Date | Status |
|---|--|-------------------|---|
| | | | below). |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145190) and became active on October 1, 2014 superseding the previous Notification. The new Notification expired on Apr. 30, 2015. |
| FLNR Permit to allow fish salvage (intended for habitat construction at Schoolhouse Creek) | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | December 23, 2015 | The Permit (#SU16-223632) was issued on February 9, 2016. It expires Dec. 31, 2016. |
| FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | June 25, 2013 | The Permit (#SU13-88489) was issued on July 16, 2013. The Permit is superseded by the Amendment extension (see row below). |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | March 4, 2014 | The Permit (#SU13-88489) was issued on March 6, 2014. The Permit expired on June 29, 2015. |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | January 15, 2015 | The Permit (#SU15-165242) was issued on February 12, 2015 Note this permit superseded #SU13-88489 (see row above). The Permit expired on December 31, 2015. |
| FLNR Permit to allow wildlife salvage | <i>Wildlife Act</i> , Permit Regulation, Section 2 | May 13, 2013 | The Permit (#SU13-87792) was issued on July 9, 2013. The Permit expired on July 1, 2014 and has not been renewed as wildlife salvage is no longer required. |
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | April 4, 2013 | The Permit was issued on June 18, 2013. The Permit expired Dec. 31, 2014. |

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|-------------------|---|
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | August, 2014 | The Permit was amended on August 28, 2014. The Permit expired June 30, 2015. The final report has been submitted to Archaeology Branch and relevant First Nations. |
| Regional/Municipal | | | |
| Waste Discharge Permit | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | November 26, 2013 | The Permit (#SC-100914-FSA) was issued on February 17, 2014. The Permit does not specify an end-date. As of June 2016, the Permit is being closed out. |
| Waste Discharge Permit – amendment to include additional scope. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | April 10, 2014 | The Permit (#SC-100914-FSA) was amended on April 28, 2014. The Amendment does not specify an end-date. As of June 2016, the Permit is being closed out. |
| Waste Discharge Permit – Minor Amendment to include additional treatment components (including a clarifier, mixing tank and filter press) and to address a change in sampling location. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | July 29, 2014 | The Minor Amendment to the Permit (#SC-100914-FSA) was issued on August 13, 2014. The Permit does not specify an end-date. As of June 2016, the Permit is being closed out. |
| Waste Discharge Permit (one time request to discharge groundwater associated with the dewatering operation at Clarke Rd and Seaview Dr.). | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | March 27, 2015 | Metro Vancouver issued a Waste Discharge Permit (No. SC-100990-FSA) to EGRT on April 2, 2015. The Permit expired on May 15, 2015. |
| Waste Discharge Permit – Minor Amendment to extend the Permit end-date to July 31, 2015. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | May 2, 2015 | Metro Vancouver issued a Minor Amendment to Permit No. SC-100990-FSA on May 15, 2015. The Permit expired on July 31, 2015. |
| Waste Discharge Permit – Major | Greater Vancouver | July 22, 2015 | Metro Vancouver |

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|------------------|---|
| Amendment to extend the Permit end-date to Sept. 30, 2015 and increase the total allowed discharge to sanitary system. | Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | | issued a Major Amendment to Permit No. SC-100990-FSA on Aug. 11, 2015. The Permit expired on Sept. 30, 2015. |
| Other | | | |
| Tsleil-Waututh Nation - Heritage Investigation Permit | N/A | July 2, 2014 | An amendment to the Permit (#2013-014) was issued on October 3, 2014. Archaeological investigation and monitoring are complete. |
| Sto:Lo First Nation - Heritage Investigation Permit | N/A | May 6, 2013 | Permit (#2013-031) was issued on June 4, 2013. Archaeological investigation and monitoring are complete. |

Attachment G

Table 4 – Four Month Look Ahead Audit Schedule

| Month | Project Team (Auditor) | Project Team (Auditee) | Audit Scope |
|--------|---------------------------|---------------------------|-------------------------|
| July | SLCW-SW | SLCW-SW | Change Management |
| August | SLCW-SW | SLCW-SW | QSP – Red Line Drawings |



**EVERGREEN LINE
RAPID TRANSIT PROJECT**

**MONTH END REPORT
JULY 2016**

Prepared by: Joseph Sylva

Reviewed by: Alex Malyuk

Approved by: Alex Malyuk

Name

Signature

Document No. 511325-00000-SWSL-30RM-0043

Revision: 0

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Date: 16/08/08

TABLE OF CONTENTS

| | | |
|------------|---|-----------|
| 1.0 | Progress Overview | 4 |
| 1.1 | Summary of Issues..... | 4 |
| 2.0 | Design and Construction - Progress Against Project Schedule | 6 |
| 2.1 | Summary of Construction Events – By Segment | 6 |
| 2.2 | Major Project Milestones | 7 |
| 2.3 | Project-Wide..... | 7 |
| 2.3.1 | Design | 7 |
| 2.3.2 | Changes to the EGRT Project Schedule..... | 8 |
| 2.3.3 | Activity Changes..... | 8 |
| 2.3.4 | Logic Changes..... | 8 |
| 2.3.5 | Critical Path | 8 |
| 2.3.6 | Schedule Impacts | 8 |
| 2.4 | Passenger Stations | 9 |
| 2.5 | Other Fixed Facilities | 9 |
| 2.6 | Alignment | 9 |
| 2.6.1 | Segment 1 – Elevated Guideway / Lougheed Special Structure / South Portal Approach..... | 9 |
| 2.6.2 | Segment 2 – South Portal / Bored Tunnel / North Portal | 9 |
| 2.6.3 | Segment 3 – Reichhold Special Structure / At-Grade Guideway..... | 10 |
| 2.6.4 | Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam | 10 |
| 2.6.5 | Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures | 10 |
| 2.7 | Trackwork..... | 10 |
| 2.7.1 | LIM..... | 10 |
| 2.7.2 | Power Rail | 10 |
| 2.7.3 | Walkway | 11 |
| 2.8 | Systems..... | 11 |
| 2.8.1 | Systems General | 11 |
| 2.8.2 | Power Supply and Distribution | 12 |
| 2.8.3 | Signalling / ATC..... | 12 |

| | | |
|-------------|--|-----------|
| 2.8.4 | Communications, SCADA, FLSS and WMS | 12 |
| 2.8.5 | Tunnel Ventilation Systems and Stand Pipe System | 12 |
| 2.8.6 | Design for BC Hydro Related Works..... | 12 |
| 2.8.7 | Testing and Commissioning Planning and Procedures | 12 |
| 2.8.8 | Systems Procurement..... | 12 |
| 2.8.9 | Warranty and Training..... | 13 |
| 2.8.10 | Spare Parts..... | 13 |
| 2.8.11 | Construction | 13 |
| 2.9 | Testing and Commissioning..... | 14 |
| 2.9.1 | Progress Overview | 14 |
| 2.9.2 | Submissions | 15 |
| 2.9.3 | Beneficial Occupancy | 15 |
| 2.9.4 | Summary of Issues This Month..... | 15 |
| 2.9.5 | Changes Since Last Month | 16 |
| 2.10 | Conclusion | 16 |
| 3.0 | Environmental Management..... | 17 |
| 3.1 | Permitting Status..... | 17 |
| 3.2 | Environmental Management Summary..... | 18 |
| 3.3 | Environmental Submittals to Province | 19 |
| 3.4 | Amendment To Environmental Assessment Certificate | 19 |
| 3.5 | Environmental Review of Design | 19 |
| 3.6 | Environmental Management of Construction | 20 |
| 3.7 | Environmental Incidents | 20 |
| 3.8 | Environmental Inspection..... | 20 |
| 3.9 | Compliance Summary | 21 |
| 4.0 | Communications and Community Relations..... | 22 |
| 4.1 | Traffic Management Communications..... | 22 |
| 4.2 | Public Consultation | 22 |

| | | |
|------------|--|-----------|
| 4.3 | Media Relations | 22 |
| 5.0 | First Nation Engagement | 24 |
| 5.1 | Performance Overview by Sub-contractor | 24 |
| 5.2 | Bid Report – Procurement Opportunities & Awards Detailed..... | 25 |
| 6.0 | Health and Safety..... | 31 |
| 6.1 | Summary of Safety Activities | 31 |
| 7.0 | Financial | 33 |
| 7.1 | Performance Incentive Payments | 33 |
| 7.2 | Milestone Payments | 33 |
| 7.3 | Change Management..... | 33 |
| 7.4 | Risk Management | 33 |
| 8.0 | Quality Assurance | 34 |
| 8.1 | Status of Quality Management System Activities..... | 34 |
| 8.2 | Audit Programme..... | 34 |
| 8.3 | Preventative Action Log..... | 35 |
| 8.4 | Summary of Inspection and Testing Activities | 36 |
| 8.4.1 | DBC | 36 |
| 8.4.2 | SLCW-GST..... | 36 |
| 8.4.3 | SLCW-SW | 36 |
| 8.5 | Nonconformity Reports and Corrective Action..... | 36 |
| 8.6 | Continual Improvement Initiatives | 37 |
| 9.0 | Project Photographs | 38 |

DISCLAIMER NOTE:

Nothing in this report constitutes a formal notice of claim by the Primary Contractor under its Agreement with the Province, including without limitation notice of claim arising from Supervening Event or Province Change.

1.0 PROGRESS OVERVIEW

This report covers project progress for the month of July 2016 (Payment Period 43). Design and construction progress is summarized below:

Project Summary:

Scope: 11 km of guideway, 6 new stations, 1 expanded station, 1 tunnel

Owner: Province of British Columbia / Translink

Physical Progress:

With the exception of the tunnel, all other areas of the project reached substantial completion by 29 February 2016 in accordance with the original schedule.

Overall 99% complete; working on 8 fronts; 43 months into the 46 month construction schedule.

Manpower: approximately 175 management and 525 craft labour.

Design

Overall design is 100% complete

Construction

- Segment 1: Testing & Commissioning near completion
- Segment 2: Mainline Track Install Complete, LIM 100% IB, 70% OB, Power Rail 85% IB, 40% OB
- Segment 3: Testing & Commissioning Continues
- Segment 4: Testing & Commissioning Continues
- Segment 5: Testing & Commissioning Continues
- Stations: All stations are complete, only deficiencies remain.

1.1 SUMMARY OF ISSUES

Overall Schedule: an overall schedule update was conducted in April 2016 and results in a Substantial Completion date of 31 October 2016. This represents an 8 month extension from the baseline schedule. These 8 months are attributed as follows:

- 9 months for delays to tunnel excavation
- 1 month gain for tunnel finishes

The new Substantial Completion date of 31 October 2016 is 3 months later than the Substantial Completion Target Date in the Project Agreement. EGRT continues to assess the schedule and will mitigate impacts to the fullest extent possible.

The month of July 2016 showed good progress in tunnel finishes and gains in schedule were maintained.

2.0 DESIGN AND CONSTRUCTION - PROGRESS AGAINST PROJECT SCHEDULE

2.1 SUMMARY OF CONSTRUCTION EVENTS – BY SEGMENT

| Segment | Name | Total | Previous to Date | Progress This Month | Total to Date |
|---------|-----------------------------|-------|------------------|---------------------|---------------|
| 1 | Caissons | 64 | 64 | Complete | 64 |
| | Columns | 63 | 63 | Complete | 63 |
| | Spans | 57 | 57 | Complete | 57 |
| | Trackwork Installed | 4524 | 4524 | Complete | 4524 |
| | Walkways Installed | 4683 | 4683 | Complete | 4683 |
| | LIM Rail Installed | 4524 | 4524 | Complete | 4524 |
| | Power Rail Installed | 4524 | 4524 | Complete | 4524 |
| 2 | Meters of Tunnel Excavation | 1944 | 1944 | Complete | 1944 |
| | Infill Material Placed | 23477 | 23477 | Complete | 23477 |
| | Concrete Slab Poured | 4127 | 4127 | Complete | 4127 |
| | Trackwork Installed | 5540 | 5540 | Complete | 5540 |
| | Walkways Installed | 5540 | 4891 | 0 | 4891 |
| | LIM Rail Installed | 5540 | 2770 | 1364 | 4134 |
| | Power Rail Installed | 5540 | 1811 | 1474 | 3285 |
| 3 | Number of SMX Columns | 1826 | 1826 | Complete | 1826 |
| | Meters of Track Slab | 3725 | 3725 | Complete | 3725 |
| | Trackwork Installed | 3964 | 3964 | Complete | 3964 |
| | Walkways Installed | 3964 | 3964 | Complete | 3964 |
| | LIM Rail Installed | 3964 | 3964 | Complete | 3964 |
| | Power Rail Installed | 3964 | 3964 | Complete | 3964 |
| 4 | Number of Timber Piles | 6345 | 6345 | Complete | 6345 |
| | Meters of Track Slab | 2112 | 2112 | Complete | 2112 |
| | Trackwork Installed | 5282 | 5282 | Complete | 5282 |
| | Walkways Installed | 5282 | 5282 | Complete | 5282 |
| | LIM Rail Installed | 5282 | 5282 | Complete | 5282 |
| | Power Rail Installed | 5282 | 5282 | Complete | 5282 |
| 5 | Piles/Caissons | 73 | 73 | Complete | 73 |
| | Columns | 73 | 73 | Complete | 73 |
| | Spans | 52 | 52 | Complete | 52 |
| | Trackwork Installed | 3315 | 3315 | Complete | 3315 |
| | Walkways Installed | 3315 | 3315 | Complete | 3315 |
| | LIM Rail Installed | 3315 | 3315 | Complete | 3315 |
| | Power Rail Installed | 3315 | 3315 | Complete | 3315 |

| Segment | PPS Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
|---------|---------------------------|-----------|------------------|---------------------|---------------|
| 1 | LHZ | 100 | 100 | Complete | 100 |
| | BQZ | 100 | 100 | Complete | 100 |
| 3 | NPZ | 100 | 100 | Complete | 100 |
| 4 | FCZ | 100 | 100 | Complete | 100 |
| 5 | LAZ | 100 | 100 | Complete | 100 |
| Segment | Station Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
| 1 | Lougheed Station | 100 | 100 | Complete | 100 |
| | Burquitlam Station | 100 | 100 | Complete | 100 |
| 3 | Port Moody Station | 100 | 100 | Complete | 100 |
| 4 | Inlet Centre Station | 100 | 100 | Complete | 100 |
| 5 | Coquitlam Central Station | 100 | 100 | Complete | 100 |
| | Lincoln Station | 100 | 100 | Complete | 100 |
| | Douglas/Lafarge Station | 100 | 100 | Complete | 100 |

2.2 MAJOR PROJECT MILESTONES

The schedule progress occurring for the period from June 27th to July 25th has a revised Anticipated Substantial Completion date of October 17th, 2016 from the past months progress.

| Milestone | Dec 12, 2012 Baseline | Jul 25, 2016 Progress Update | Δ (Business Days) |
|--|--------------------------|------------------------------------|-------------------------|
| Substantial Completion Target | 29-Jul-16 | 17-Oct-16 | -54 |
| Service Commencement Target | 30-Aug-16 | 17-Nov-16 | -54 |
| Total Completion Target | 31-Oct-16 | 31-Jan-17 | -91 |
| Availability Demonstration Completion Target | 30-Aug-17 | 16-Nov-17 | n/a |
| TIDS Performance Demonstration Completion Target | 30-Aug-17 | 16-Nov-17 | n/a |

2.3 PROJECT-WIDE

2.3.1 Design

Please refer to Sections 2.3 through 2.8 for a more detailed breakdown of the design status per area. Design progress can be seen under the Design and Engineering Section of the ELRT Project Schedule Update (DD.25JUL2016).

2.3.2 Changes to the EGRT Project Schedule

No major changes were made to the project schedule.

2.3.3 Activity Changes

Key changes made to Segment 2, Track, Systems & Testing & Commissioning schedule are as follows;

Tunnel Fit Out / Track

- No changes this past period.

Systems

- Systems activities broken out into main activities driving T&C.

Testing & Commissioning

- Activities have been revised to show current T&C schedule.

2.3.4 Logic Changes

The systems activities were broken out into more detail to better illustrate the path through T&C and to ATC testing.

2.3.5 Critical Path

The critical path is determined by activities that have 14 or less days of float. The critical path continues to pass through the tunnel activities.

The critical path is as follows: center walkway, track, LIM rail, power rail, system-wide cabling, and other tunnel finishes, before the start of testing and commissioning in Test Zone 2.

To date, the tunnel fit out activities are substantially completed excluding the portal roofs, the center walkway lids, and the installation of the cross passage doors. These completed activities, reflected in the latest Progress Update Schedule, are: design and approvals for the north tunnel approach, utility relocations, construction of the north tunnel approach, TBM pit and assembly of the TBM, Tunnel Boring, TBM Breakthrough, demob of the TBM at the south portal, Tunnel Infill, the South Portal Invert Slab, the tunnel track slab, tunnel center fire wall, and inbound mainline track, power rail, and LIM rail along with outbound mainline track.

2.3.6 Schedule Impacts

Test Zone 2 has been impacted due to the delay of the tunnel breakthrough which occurred on November 27th, 2015. The tunnel fit out works are substantially complete with both the south and north portal roofs remaining. Tunnel trackwork has commenced and is ongoing,

along with systems installation and scheduled to be completed toward the end of August. The remaining works will be monitored closely and tracked against the currently shown project completion date of October 17th, 2016.

Other activities discussed in this report are monitored for potential impact or delays due to the overall EGRT Project Schedule.

2.4 PASSENGER STATIONS

All seven of the stations on the Evergreen Line are substantially completed.

2.5 OTHER FIXED FACILITIES

All five of the Propulsion Power Stations on the Evergreen Line are substantially completed. The final tie-in work between BQZ and NPZ will occur concurrently with the trackwork and systems installation in Segment 2.

| Facility | Design / Construction / Procurement |
|------------------------------|---|
| Sec 428 – VCIF | <ul style="list-style-type: none"> Construction substantially completed. |
| Sec 428 – VSF Yard | <ul style="list-style-type: none"> Construction substantially completed. |
| Sec 428 – VSF Staff Facility | <ul style="list-style-type: none"> Construction substantially completed. |

2.6 ALIGNMENT

2.6.1 Segment 1 – Elevated Guideway / Loughheed Special Structure / South Portal Approach

Segment 1 is substantially completed.

2.6.2 Segment 2 – South Portal / Bored Tunnel / North Portal

| Area | Design / Construction / Procurement |
|--|--|
| Segment Wide | |
| Sec 210 Cut and Cover South Portal | <ul style="list-style-type: none"> Completed south portal roof Completed outbound chamfer |
| Sec 220 TBM Tunnel | <ul style="list-style-type: none"> Completed fine tuning of inbound and outbound mainline trackwork. Completed inbound installation of LIM rail. Completed inbound power rail installation. |

| | |
|--|--|
| Sec 230 Cut and Cover Tunnel North | <ul style="list-style-type: none">Completed north portal roof. |
|--|--|

2.6.3 Segment 3 – Reichhold Special Structure / At-Grade Guideway

Segment 3 is substantially completed.

2.6.4 Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam

Segment 4 is substantially completed.

2.6.5 Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures

Segment 5 is substantially completed.

2.7 TRACKWORK

SPECIAL TRACKWORK:

Reichhold Crossover East – Substantially completed.

Reichhold West Crossover – Substantially completed.

MAINLINE TRACKWORK:

Mainline Trackwork is substantially completed.

2.7.1 LIM

Segment 2 – LIM Installation is complete on the IB guideway in Segment 2. LIM Drilling is progressing on OB at the South Portal in Segment 2. LIM panel placing and fine tuning on the OB guideway is ongoing.

Issues with LIM stud corrosion have been identified, and repair procedures are being developed. Repair work has commenced.

2.7.2 Power Rail

Power Rail installation is complete on the IB Section 220 (Tunnel) and 40% complete through OB Section 220 (Tunnel).

Final coverboard installation will be completed at the Reichhold Crossovers, as well as some miscellaneous installation in Section 150 starting in August 2016.

2.7.3 Walkway

Steel walkway installation (excluding Segment 2 and tunnel operational areas) is 99% complete, with minor areas remaining for rework and completion based on access.

Final fabrication of precast walkway lids for tunnel installation is underway. Fabrication is ongoing, with delivery to meet tunnel installation schedule.

Steel and CIP walkway installation at Section 150 and South Portal are complete, and are scheduled to be completed. This also includes the balance of Type 1 precast walkways and steel handrail in Section 150. Final installation of PCW lids in the tunnel sometime in Summer/Fall 2016.

There is one location in Section 140 where sound barrier panels will need to be installed following T&C fence removal, and there are approximately 22 brackets in Section 410 that encroach into the train clearance envelope. Brackets have been ordered for the sound barriers further from the guideway parapets.

2.8 SYSTEMS

2.8.1 Systems General

2.8.1.1 Subsystem Design

The FDR process is complete with outstanding SFDR action items being addressed.

2.8.1.2 Installation Design

The installation design is underway:

- Engineering is working on an update to the Segment 2 installation package due to a supplier tunnel design deficiency regarding redundant loop communication to tunnel FLSS devices and enclosures.

2.8.1.3 Interface Design

VSF Interface design: Thales has been provided with the details of an interface issue with respect to the buffer stops and working to implement a software change to address this.

Tunnel Interface design: Weekly coordination meetings are being fully supported by SLCW-SW. A South portal drainage sump has been incorporated. Electrical designs are nearly complete.

2.8.1.4 Contractual Plan Submissions

A list of required plans and managerial documents are required in Appendix G of the Project Agreement (Systems General Requirements), and the DBC hosts a monthly meeting to

coordinate the delivery of this documentation. The progress of these plans is updated monthly and issued to the Client by the DBC.

2.8.2 Power Supply and Distribution

PS&D FDR Packages have all been submitted to the Client.

2.8.3 Signalling / ATC

The signalling/ATC design process is substantially complete.

2.8.4 Communications, SCADA, FLSS and WMS

All FDR submissions are complete.

Design Packages planned for Province Review in August 2016:

- Reichhold Alarm Tie-in

2.8.5 Tunnel Ventilation Systems and Stand Pipe System

The Tunnel Ventilation SFDR process is complete.

2.8.6 Design for BC Hydro Related Works

All BC Hydro Related Works are complete.

2.8.7 Testing and Commissioning Planning and Procedures

The Systems Test Plan defined the Systems Integration Board. The Board is a joint Systems, T&C, and TransLink task group which will review test plans and schedules, and coordinate cutovers and configuration changes. This group commenced meetings in January 2015.

The Systems Cutover Plan has been updated in response to Client questions, and detailed planning of the cutover process will continue via the FMI log, which tracks configuration changes, and the T&C & Cutover schedule.

2.8.8 Systems Procurement

The following packages were issued out for tender/pricing in July:

- N/A

2.8.8.1 Subcontract and Supply Contract Awards

The following equipment were issued out for award in July:

SP9000-05 EMC Compatibility Survey

SC7075-02 Heritage Mountain Receiver Installation

2.8.8.2 Supplier Design

- NA

2.8.8.3 Equipment Deliveries

The following equipment was received at the warehouse in July:

- No major equipment.

2.8.9 Warranty and Training

Training dates have been confirmed with the Province. Clarification of warranty requirements requested is being reviewed.

2.8.10 Spare Parts

Non-long-lead item spare parts list have been provided and SW is currently awaiting the PO from Translink, which was expected by July 15th and has not been received yet.

2.8.11 Construction

The pricing for the TIMS package in the SC9000-08 Tunnel electrical installation subcontract shall be processed in a change order.

Tunnel Lighting, receptacle and power distribution in the Tunnel South Inbound were energized in July. Tunnel ventilation systems at NPZ and BQZ have been turned over to Testing and commissioning for SAT.

The permanent 192 strand fibre backbone was installed, terminated and tested. PICO's shall be delivered in early August. OTN network traffic is now operating on this permanent backbone. The Q-net temporary link has now been fully abandoned.

Systemwide Mainline deficiency resolution continued during non-test windows. Completion of exterior touch-up paint deficiencies is targeted for the first week of August.

Station crews continued on minor added scope clean-up items. The Lafarge Station SEEIP device was installed July 15th. Replacement of four (4) CCTV end posts, two at MCS, two at LAS, concluded on July 6th.

WPE has heightened attention to removal and storage of cable end waste. Security audits have noted increased visitation from thieves assessing targets.

2.9 TESTING AND COMMISSIONING

2.9.1 Progress Overview

ATC - Since the June report, Thales has completed testing with both Mark I and Mark II trains in Test Zones 1, 3, 4 & 5. During the July long weekend, an exchange of 2 Mark I trains was made for 2 Mark II trains by use of the Pettibone locomotive towing trains through the O/B tunnel. With the completion of ATC testing, a letter of Safety Certification was provided by Thales to allow “unattended operation” during the Mini Trail Run which is scheduled for the first week of August. The Mini Trial Run is three days of automatic train operation from Lafarge to Moody on scheduled runs. All VCC testing was conducted in 3 CPU mode with modified FPGA cards.

At the end of July, the following activities were accomplished

VCC4

- Discussions were held with EGRT, the Province, Bombardier, TransLink and BCRTC to explore the possibility of MKIII testing to occur in Test Zone 1 while EGRT is not testing. The Province will take the lead on moving this activity forward.

- **VCC5**

- All testing in Test Zone 1 is now complete;
- All testing in Test Zone 3 is now complete;
- All testing in Test Zone 4 is now complete with the following restrictions to be corrected in the next VCC release
 - Speed limits through switches 221 & 226 are incorrect and have been speed limited by Go-Slow Zones.
 - The length of track 915 beyond switch 223 is uncertain and automatic trains could contact the bump stop.
 - Positional uncertainty around switch 216 requires closing of track 658 until the train is confirmed clear of the switch.

- **VCC6**

- All ATC testing in Test Zone 5 is now complete with the following restriction to be corrected in the next VCC release

- The bump stops at the ends of VS6 & VS7 are located incorrectly and rather than extend the rail to slide the stops back, the positioning will be corrected in the VCC software

PS&D - Wayside equipment SAT testing is in progress. This includes tunnel lighting, tunnel mini-power centers and switch heaters. The power rail high potential (hi-pot) test for power rail in Test Zones 3, 4 & 5 was conducted in dry weather and were successful.

Communications – The vast majority of testing is complete with some systems still being optimized. Above ground radio and fire alarm testing is on-going. The permanent fiber connection is now installed and most systems using it have been successfully regressed.

TIDS/TIMS – EGRT has installed a laptop based “head-end” control device at BQS to monitor TIDS performance from BQS to LAS. The Mini Trial Run in August will be used to gauge TIDS performance during train operation. The guideway in station platforms and the TIDS projector lenses were cleaned the prior to the Mini Trial Run.

TVS – The tunnel TVS equipment was handed over to T&C and SAT testing will commence in August

2.9.2 Submissions

The following submissions were made during July;

- Travel Time Demonstration rev. 1
- Test Zone Transition Plan rev. 2
- Availability Demonstration rev. 0

2.9.3 Beneficial Occupancy

In addition to areas reported previously, T&C took Beneficial Occupancy of:

- Tunnel TVS equipment

2.9.4 Summary of Issues This Month

- Shortage of 3 reprogrammed Thales FPGA cards for VCC 6 has been temporarily resolved by modifying 3 additional FPGA cards – on-going until final version FPGA cards are installed
- Above ground radio testing is on-going while deficiencies are rectified. Once all deficiencies are cleared then the radio system optimization can commence. The Heritage Mountain repeater installation is on-going

- A hi-rail vehicle loaded with power rail ran away and de-railed in the O/B tunnel on July 27 due to failed brakes causing damage to the installed power rail.

2.9.5 Changes Since Last Month

- Test Zone 1 – Complete
- Test Zone 2 – Remains mid-September 2016
- Test Zone 3 – Complete
- Test Zone 4 – Complete
- Test Zone 5 (VSF) – Complete
- All communication testing (except tunnel related) – Deficiency work in progress
- All PS&D testing (except tunnel related) – Deficiency work in progress

2.10 CONCLUSION

Our current EGRT Project Schedule is based on the best information available and our current plan for construction. Changes to the final construction plans and methods, and their respective schedules, sequences and durations are expected as work progresses on all fronts. Any future changes or revisions to the schedule will be detailed in this narrative.

3.0 ENVIRONMENTAL MANAGEMENT

3.1 PERMITTING STATUS

Federal

On July 18, EGRT sent an email to DFO (Brian Naito) requesting DFO to review an EGRT proposal to begin the water line relocation in Schoolhouse Creek in the last week of July, before the start of the Aug. 1st to Sept. 30th least-risk fisheries window (this early start would be a variance from the requirements of the DFO Authorization for the Project). On July 20, DFO responded they had no objection to this proposal.

Provincial

On June 21 (previous reporting period), EGRT submitted a Notification to Ministry of Forests, Lands and Natural Resource Operations (FLNRO), for proposed repairs to a Metro Vancouver concrete culvert situated in Ottley Creek (the culvert was apparently damaged during construction of the Reichhold Special Structure). FLNRO green-lighted the work in an email dated July 21, 2016. The culvert repairs will entail instream work and will therefore be conducted during the August 1st – September 30th, 2016 “least-risk fisheries window”.

| Permit Description | Act/Regulation | Application or Expiry Date | Status |
|--|-----------------------|--|---|
| Federal | | | |
| Request to DFO for a variance from the requirements of the DFO Authorization, asking to start water line relocation at Schoolhouse Creek during the last week of July 2016 (prior to the start of the 2016 least-risk fisheries window). | <i>Fisheries Act</i> | EGRT requested the variance on July 18, 2016 (by email). | DFO responded with a “no objection” on July 20, 2016 (also by email). |
| Provincial | | | |
| Notification to undertake culvert | <i>Water</i> | A Notification for this work was | FLNRO gave the go ahead for this |

| | | | |
|--------------------------|---------------------------|--|---------------------------------------|
| repairs in Ottley Creek. | <i>Sustainability Act</i> | submitted to FLNRO on June 21 (previous reporting period). | work in an email dated July 21, 2016. |
|--------------------------|---------------------------|--|---------------------------------------|

The status of all permits acquired to date on the Project is summarized in Attachment F.

3.2 ENVIRONMENTAL MANAGEMENT SUMMARY

EGRT's Environmental Manager continued to conduct routine environmental management activities including but not limited to: advising on environmental planning and implementation issues, preparing environmental submittals and deliverables, participating in environmental quality activities, and overseeing the Environmental Inspectors (EIs).

Construction of Habitat Compensation at Schoolhouse Creek

EGRT's Subcontractor began clearing and grubbing the worksite during the last week of July (see related variance from DFO described in previous subsection). The DFO Authorization for the Project requires that instream works be completed in the least-risk fisheries window (Aug. 1st to September 30th of any given year). Planting of the riparian zone is planned for the fall of 2016.

Remaining Environmental Obligations

Going forward, the following environmental requirements remain to be completed on the Project:

- Environmental Inspection: environmental inspection of construction will continue until construction of the Schoolhouse Creek habitat compensation is completed, with related reporting to the Province and to applicable regulatory agencies once every two weeks. Assuming concurrence from the Province and applicable regulatory agencies, environmental inspection on the Project should conclude in October 2016.
- Completion of general site restoration and planting of "replacement trees" as required by PTOC item #52: Landscaping along Clarke Street (including tree replacement) has been completed but additional landscaping elsewhere on the Project remains to be done and will be completed in the fall of 2016.
- Water quality monitoring (as required by PTOC items #42 and #43): EGRT has periodically assessed water quality sampling in watercourses potentially affected by construction. Samples have been tested for metals, hydrocarbons, Volatile Organic Compounds (VOCs), turbidity, suspended solids, pH, dissolved oxygen, conductivity and water temperature. The monitoring program has so far included a round of "baseline" water quality monitoring (conducted during the earliest stages of construction to capture the pre-project condition), followed by two rounds of "during construction" water quality sampling. To complete the program, EGRT conducted a final round of sampling in June to assess the "post-construction" condition. EGRT will

prepare and submit to the Province a brief summary of the monitoring program results, identifying potential Project-induced water quality effects (if any such effects can be identified). This report is planned to be submitted to the Province in August 2016.

- Close-out of environmental permits including the DFO Authorization (see Appendix F for permit expiry dates): A “close-out” permit tracking matrix is being used to document the close-out status of all key environmental permits. The Permit close-out tracking document will be attached to the Environmental Final Completion Report (see bullet below).
- Preparation of an Environmental Final Completion Report as required by PA, Schedule 5, Subsection 3.8: Further discussion with the Province is needed to determine the contents, format and submission date of this report. The PA indicates this report is to follow Substantial Completion.
- Annual Certificate of Compliance with Environmental Laws: One additional and final Certificate of Compliance will be required, covering the period December 11th, 2015 to December 10th, 2016. This final Certificate of Compliance would be submitted to the Province in December 2016.
- Continuation of the monthly environmental management report (i.e., in the form of this environmental management section of EGRT’s monthly progress report): Further discussion with the Province is required to determine when this monthly environmental reporting would end.
- Preparation of a detailed post-construction monitoring and assessment report documenting site-specific landscaping and restoration measures implemented during construction, as required by PTOC #50: this report is required one year after contract completion. Further discussion with the Province is needed to determine exactly when this report would be submitted to the Province.
- Monitoring and annual reporting of the performance of constructed compensatory habitats: the DFO Authorization requires this monitoring to continue until the end of 2019 with a final annual monitoring report submitted to the Province and to applicable agencies in January 2020.

3.3 ENVIRONMENTAL SUBMITTALS TO PROVINCE

Submittals to the Province during this reporting period:

- Biweekly Environmental Inspection Report (BEIR) Nos. 152 and 153.

3.4 AMENDMENT TO ENVIRONMENTAL ASSESSMENT CERTIFICATE

No changes in design or construction occurred during this reporting period that warranted consideration of an amendment to the Project’s Environmental Assessment Certificate (T10-01).

3.5 ENVIRONMENTAL REVIEW OF DESIGN

Environmental design and environmental review of non-environmental design have mostly been completed, as documented in previous monthly reports. However, during this

reporting period EGRT's Environmental Manager reviewed EGRT's FDR submission of "North Portal Geotechnical-Slope Reinstatement Design Segment 2". The Province had no comments on the environmental aspects of this submission.

3.6 ENVIRONMENTAL MANAGEMENT OF CONSTRUCTION

During this reporting period, EGRT completed the decommissioning and removal of the Waste Water Treatment Plan that had been in place at the North Portal tunnel support yard. Treated water had been discharged to Metro Vancouver's sanitary system under Metro Vancouver Waste Discharge Permit No. SC-100914-FSA. EGRT wrote a letter to Metro Vancouver (dated July 27, 2016) to confirm that discharge to the Metro Vancouver sanitary system had ceased and to ask Metro Vancouver to cancel the Permit. The Permit is now considered to be closed out.

3.7 ENVIRONMENTAL INCIDENTS

One environmental incident occurred during this reporting period, on July 13 (details in table below).

Table: Incident Tracking Summary

| Tracking No. | Date | Incident Type | Incident Description |
|-----------------------|-------------|----------------------|--|
| EIN-052 (SLCW) | 13-Jul-16 | Spill to Guideway | Approximately 3L of hydraulic oil was spilled to the guideway in Section 320. The incident was caused by a leaking hydraulic valve on a rail mounted Pettibone. The spill was contained on the guideway with no threat of being conveyed to a sensitive environment or storm sewer. The used sorbent material has been cleaned up and disposed off-site at an approved facility. |

3.8 ENVIRONMENTAL INSPECTION

Bi-Weekly Environmental Inspection Report (BEIR) Nos. 152 and 153 were submitted to the Province "for Information" during this reporting period. BEIR No. 154 (covering the period July 18 to Aug 1 inclusive) was in draft form at the end of this reporting period and has been considered in preparing this report.

As reported by EGRT's Environmental Inspectors, construction generally complied with Project environmental requirements during this reporting period.

See Table below. Five issues were carried over into this monthly reporting period from the previous monthly reporting period (June 2016). All five issues were corrected during this reporting period. Three new issues were opened during this reporting period. Two of these were corrected. One issue (#242) remains open at the end of this reporting period.

Table: Environmental Inspection Issue Tracking Summary

| Issue No. | Date Opened | Description | Status at July 31/16 |
|------------------|--------------------|--|-----------------------------|
| 237 | June 07/16 | Deficient housekeeping at South Portal. The housekeeping issues were corrected by July 14. | Closed |
| 238 | June 09/16 | Deficient Hazardous Substances Storage at North Portal tunnel support yard. Hazardous Substances were collected into the designated Hazardous Substances storage area; secondary containment, signage and labels were installed. The issue was corrected by July 27. | Closed |
| 239 | June 29/16 | Used sorbent material present on guideway near North Portal (left over from a 10 L spill of hydraulic oil that occurred on June 27). The sorbent material was cleaned up by July 14 and will be disposed off-site at a suitably licensed facility. | Closed |
| 240 | June 29/16 | Hydrocarbon staining on View Street. The staining was cleaned up by July 26. | Closed |
| 241 | June 29/16 | Hydrocarbon staining on guideway near South Portal. The staining was cleaned up by July 8. | Closed |
| 242 | July 5/16 | Hydrocarbon staining on soil/gravel at South Portal. Clean-up was not yet completed at end of this reporting period. | Open |
| 243 | July 8/16 | Pick-up truck with leaky tidy tank. Drip tray and sorbent pads placed under truck and cleaned up once the truck left the site. Used sorbent material will be disposed off-site at a suitably licensed facility. Issue was resolved on July 8. | Closed |
| 244 | July 14/16 | Residual used sorbent material (left over from a 3L spill of hydraulic oil reported July 13, 2016) requires clean-up. The used sorbent material was cleaned by July 19. The material will be disposed off-site at a suitably licensed facility. | Closed |

3.9 COMPLIANCE SUMMARY

No significant environmental compliance issues occurred during this reporting period.

4.0 COMMUNICATIONS AND COMMUNITY RELATIONS

No community meetings and/or Business Liaison Committee meetings were held in July 2016.

As the project nears completion, no additional Business Liaison Committee (BLC) meetings are scheduled. Should any further BLC or community meetings be required, the EGRT Construction Communications team will support the Province and attend as required.

4.1 TRAFFIC MANAGEMENT COMMUNICATIONS

The EGRT Construction Communications team prepared and distributed the following Construction and Traffic Bulletins in July 2016:

- North Tunnel Portal Area Restoration – July 27
 - This notice was distributed to residents on View Street, View Court, Columbia Street, Clarke Street and Charles Street.
- South Tunnel Portal Area Restoration – July 29
 - This notice was distributed to residents on Elmwood Street, Westley Avenue, Kemsley Avenue and on Clarke Road between Kemsley Avenue and Como Lake Avenue.

EGRT Construction issued the following Community Notice in July 2016:

- Temporary Closure of a Section of the Trans Canada Trail – July 19
 - This notice was laminated and posted on fencing by sub-contractor, delivered to a View Street resident that had past concerns re: construction and trails in the area and sent to Trans Canada Trail general info email.

Please note that these notices were also posted on the egrtconstruction.ca website and distributed to stakeholders.

No Traffic Alerts were distributed by EGRT Construction in July 2016.

4.2 PUBLIC CONSULTATION

No public consultation is required by the Province of BC.

4.3 MEDIA RELATIONS

All media inquiries, including inquiries from traffic reporters, will continue to be referred to the Province for first comment. EGRT Construction will only answer routine traffic questions and

only when queries have been referred to the EGRT Construction Communications Manager directly by the Province.

5.0 FIRST NATION ENGAGEMENT

5.1 PERFORMANCE OVERVIEW BY SUB-CONTRACTOR

| NATION | Procurement Target (\$/project) | Opportunities to Date (est. \$ value) | Awarded to Date | Awarded this Period |
|----------------|------------------------------------|--|-----------------|---------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

| NATION | Employment Target (hrs/project) | Employment to Date (hrs) | Employment this Period (hrs) | Total Active Employees (qty) |
|----------------|------------------------------------|-----------------------------|---------------------------------|---------------------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

¹ Employment This Period and Awarded This Period updated quarterly.

All First Nations procurement targets have been exceeded.

Employment targets for Musqueam have been exceeded, and targets for Tsleil Waututh continue to be pursued. Labour availability from Tsleil Waututh is limited.

5.2 BID REPORT – PROCUREMENT OPPORTUNITIES & AWARDS DETAILED

| Package Number/Title/PO | Bid Close Date | Company Name (Bidder) | Affiliated First Nation | Awarded Contract (Actual) | Procurement Opportunity (Est. Value) | Status |
|---|----------------|-----------------------|-------------------------|---------------------------|--------------------------------------|--------|
| SGJV PROCUREMENT | | | | | | |
| Supply/Install Piles (Pinetree) | 22/Nov/13 | s.16,s.17 | | | | |
| Soil Removal (various PO's) | 1/Oct/13 | | | | | |
| Supply/Install Piles (CPR) | 18/Sep/13 | | | | | |
| Supply/Install Piles (Reichhold) | 5/Mar/13 | | | | | |
| Supply/Install Caissons | 29/Apr/13 | | | | | |
| Clearing, Grubbing & Access Road (511326-C-002) | 1/Mar/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| Supply/Install Timber Piles | 22/Nov/13 | | | | | |
| Supply/Install Timber Piles | 18/Sep/13 | | | | | |
| Supply/Install Timber Piles | 3/May/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| SSJV PROCUREMENT | | | | | | |
| Water Treatment Plant | 1/Sep/13 | | | | | |
| | | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |
| | | | | | | |
| | | | | | | |
| Water Treatment Plant | 1/Sep/13 | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |
| | | | | | | |

| SLCW-EG PROCUREMENT | | |
|-----------------------------------|-----------|-----------|
| Traffic Signs-Part 1 | ongoing | s.16,s.17 |
| Traffic Signs-Part 2 | ongoing | |
| Site Security (3 mo. Trial) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Traffic Management (3 mo. Trial) | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Crane Services for Truss Assembly | 19/Aug/13 | |
| Trailer rental (ongoing) | ongoing | |
| Trailer Rental-New Office | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Trailer Relocation | ongoing | |
| Traffic Management | ongoing | |
| Traffic Management | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| | | |
| Elec. Services | ongoing | |
| Elec. Services | ongoing | |
| SLCW-GST PROCUREMENT | | |
| GC009- Stn Elec. Work | 1/Oct/13 | s.16,s.17 |
| Office Trailer Rentals(0000143) | ongoing | |
| Lougheed Stn Demo | 31/May/13 | |
| GC003- Piles & Caissons | 3/Jun/13 | |
| Elec. & data-Poco Warehse | 1/Apr/13 | |
| GC400-Port Moody Demo | 1/Mar/13 | |
| GC009- Stn Elec. Work | 30/Jan/14 | |
| GC037- Supply/Install Piling | 8/Jan/14 | |
| GC039-PPS & VSF Elec. Work | 17/Apr/14 | |
| GC048-Moody Piling | 17/Apr/14 | |
| GP500-Supply Retaining Wall | 9/Sep/14 | |
| GP500-CO No. 1 | 17/Aug/15 | |
| GP500-CO No. 2 | 13/Nov/15 | |
| GC063-Modular Buildings | 9/Mar/15 | |
| GC063-CO No. 1 | 8/Oct/15 | |
| GC063-CO No. 2 | 7/Nov/15 | |
| GC063-CO No. 3 | 24/Feb/16 | |
| | | |
| Elec. Work for Stns | 6/Jan/14 | |
| GC009-CO No. 1 | 11/Jun/14 | |
| GC009-CO No. 2 | 2/Oct/14 | |

| | | |
|---------------------------------|-----------|-----------|
| GC009-CO No. 3 | 3/Oct/14 | s.16,s.17 |
| GC009-CO No. 4 | 16/Dec/14 | |
| GC009-CO No. 5 | 13/Jan/15 | |
| GC009-CO No. 6 | 13/Jan/15 | |
| GC009-CO No. 7 | 14/Jan/15 | |
| GC009-CO No. 8 | 19/Jan/15 | |
| GC009-CO No. 9 | 23/Mar/15 | |
| GC009-CO No. 10 | 30/Mar/15 | |
| GC009-CO No. 11 | 9/Apr/15 | |
| GC009-CO No. 12 | 4/Jun/15 | |
| GC009-CO No. 13 | 7/Aug/15 | |
| GC009-CO No. 14 | 7/Dec/15 | |
| GC009-CO No. 15 | 12/Jan/16 | |
| Inlet Ctr Exc (511414-GC401) | 1/May/13 | |
| Supply Masonry Grout Fill | 16/Jan/14 | |
| Earthworks Coq. Stn | 4/Dec/13 | |
| GC039 Stn Elec. Work | 16/Jan/14 | |
| GC035-CO No. 1 | 30/Sep/14 | |
| GC035-CO No. 2 | 15/Jan/15 | |
| GC035-CO No. 3 | 22/May/15 | |
| GC035-CO No. 4 | 3/Jun/15 | |
| GC035-CO No. 5 | 24/Dec/15 | |
| GC035-CO No. 6 | 11/May/16 | |
| GC039-SubStn & VSF Elec. | 17/Apr/14 | |
| GC039-CO No. 1 | 30/Sep/14 | |
| GC039-CO No. 2 | 14/Jan/15 | |
| GC039-CO No. 3 | 15/May/15 | |
| GC039-CO No. 4 | 3/Jun/15 | |
| GC039-CO No. 5 | 28/Oct/15 | |
| GC039-CO No. 6 | 24/Dec/15 | |
| GC039-CO No. 7 | 28/Oct/15 | |
| GC039-CO No. 8 | 11/May/16 | |

SLCW-GST PROCUREMENT (Continued)

| | | |
|--|-----------|-----------|
| Lougheed Stn Demo (51414- GC404) | 31/May/13 | s.16,s.17 |
| Supply/Install Piling | 8/Jan/14 | |
| GC047-Moody Piling | 17/Apr/14 | |

SLCW-SW PROCUREMENT

| | | |
|---|-----------|-----------|
| SC9000-04 Lougheed Stn Brownfield Investigation | 13/Mar/14 | s.16,s.17 |
| SC9000-05 Lougheed Stn Brownfield Installs | 10/Apr/14 | |
| SC9000-05 Lougheed Stn Brownfield Installs CO #2 | 30/Sep/14 | |
| SC9000-05 Lougheed Stn | 6/Nov/14 | |

Evergreen Line Rapid Transit Project Month End Report – July 2016

| | | | | | |
|---|-----------|-----------|--|--|--|
| Brownfield Installs CO #3 | | | | | |
| SC9000-05 Lougheed Stn Brownfield Installs CO #4 | 8/Apr/15 | s.16,s.17 | | | |
| SC9000-06 T&C Support | 11/May/15 | | | | |
| SC9000-06 T&C Support CO#1 | 14/Mar/16 | | | | |
| SC9000-06 T&C Support Change Order No. 2 | 26/May/16 | | | | |
| SC9025-01 OMC Install | 29/May/14 | | | | |
| SC9025-01 OMC Install-CO#1 | 4/May/15 | | | | |
| SC9000-08 Segment 2 Installation | 16/Feb/16 | | | | |
| SC9000-01 Systemwide Install | 5/Aug/14 | | | | |
| SC9000-01 Systemwide Install-CO #1 | 17/Nov/14 | | | | |
| SC9000-01 Systemwide Install-CO #2 | 28/Jan/15 | | | | |
| SC9000-01 Systemwide Install-CO #3 | 17/Mar/15 | | | | |
| SC9000-01 Systemwide Install-CO #4 | 15/Jun/15 | | | | |
| SC9000-01 Systemwide Install-CO #5 | 15/Jul/15 | | | | |
| SC9000-01 Systemwide Install-CO #6 | 15/Sep/15 | | | | |
| SC9000-01 Systemwide Install-CO #7 | 16/Nov/15 | | | | |
| SC9000-01 Systemwide Install-CO #8 | 9/Dec/15 | | | | |
| SC9000-01 Systemwide Install-CO #9 | 12/Jan/16 | | | | |
| SC9000-01 Systemwide Install-CO #10 | 7/Mar/16 | | | | |
| SC9000-01 Systemwide Install-CO #11 | 22/Mar/16 | | | | |
| SC9000-01 Systemwide Install-CO #12 | 9/May/16 | | | | |
| SC9000-02 CO #1 | 27/Mar/14 | | | | |
| SC9000-02 CO #3 | 3/Oct/14 | | | | |
| SC9000-02 CO #4 | 3/Oct/14 | | | | |
| SC9000-02 CO #5 | 25/Aug/15 | | | | |

| | |
|---|------------------------|
| SC9000-08 Segment 2 Equipment Installation | s.16,s.17 16/Feb/16 |
|---|------------------------|

SLCW-SW PROCUREMENT

| | |
|--|-----------|
| SC9000-08 Segment 2 Equipment Installation CO#1 | 2016/0516 |
| SC9000-08 Segment 2 Equipment Installation CO#2 | 2/May/16 |
| SC6000-01 SubStn Equip. Install | 12/Sep/14 |
| SC6000-01 SubStn Equip. Install-C#1 | 28/Nov/14 |
| SC6000-01 SubStn Equip. Install-C#2 | 28/Jan/15 |
| SC6000-01 SubStn Equip. Install-C#3 | 18/Feb/15 |
| SC6000-01 SubStn Equip. Install-C#4 | 17/Mar/15 |
| SC6000-01 SubStn Equip. Install-C#5 | 30/Apr/15 |
| SC6000-01 SubStn Equip. Install-C#6 | 11/Sep/15 |
| SC6000-01 SubStn Equip. Install-C#7 | 16/Nov/15 |
| SC6000-01 SubStn Equip. Install-C#8 | 9/Mar/16 |
| SC6000-01 Substation Equipment Install- C#9 | 22/Mar/16 |
| SC6000-01 Substation Equipment Install- C#7 | 9/May/16 |
| SC7000-01 Stn Communication Install | 8/Dec/14 |
| SC7000-01 Stn Communication Install-CO #1 | 5/May/15 |
| SC7000-01 Stn Communication Install-CO #2 | 25/Aug/15 |
| SC7000-01 Stn Communication Install-CO #3 | 28/Sep/15 |
| SC7000-01 Stn Communication Install-CO #4 | 16/Nov/15 |

| | | |
|---|-----------|-----------|
| SC7000-01 Station Communications Install - CO #5 | 22/Mar/16 | s.16,s.17 |
| SC7000-01 Station Communications Install - CO #6 | 9/May/16 | |
| OTHER FN PROCUREMENT | | |
| 511325- Environmental Services Sumas Remediation | 5/Aug/14 | s.16,s.17 |

Summary of Activities

- To date there is been great success of engaging aboriginal businesses in project construction with over \$48 million awarded.
- Employment values have begun reduce as the project winds down.
- At least once per quarter, project updates are provided to the Tsleil Waututh and Musqueam Nations through the Economic Development offices.

Challenges/Risks

Work Planned

- Continue to respond to needs of the client and the identified First Nations as the project winds down.

6.0 HEALTH AND SAFETY

6.1 SUMMARY OF SAFETY ACTIVITIES

- Trackwork is working on completing the IB tunnel for LIM & Power Rail
- Permanent lighting is operational on OB side
- Emergency walkway lids will be placed in August
- Stations have Fujitec in some locations and a few tile workers are performing deficiency repairs
- The project submitted responses for all 7 WorkSafeBC orders written against the tunnel. Peter Ficzytz, the contract Industrial Hygienist, wrote the tunnel entry procedure which is required to close out orders 1, 2 and 3. WorkSafeBC has not responded to his submitted documentation to date.
- The last silica dust exposure levels resulted in low levels of silica. The TFO Joint Occupational Safety & Health Committee continues to meet monthly at the TFO office
- T&C are continuing with testing in segments 3, 4 & 5
- Limb Bolt crews are working in segments 1 & 3 and segments 4 and 5 to follow. Safety inspections of the crews are being performed to ensure crews are compliant to all safety standards
- Mission Contracting has started to perform the school house creek restoration work

6.2 INJURY AND INCIDENT SUMMARY

- Environmental:

See Environmental Section of Report

- Property/Equipment Damage:

- SLCW GST – 16/07/27 hi-rail truck and trailers loaded with power rail equipment & materials lost power of brakes and ran away. The truck struck a de-rail and came to a stop 45m further down the tunnel. Damage occurred to hi-rail equipment, track components, and power rail equipment and supplies.

- Lost Time Incident:

- s.22

• s.22

| Hours Worked This Month | First Aid This Month | Medical Aid/LTI This Month | Lost Time Days This Month |
|----------------------------|-------------------------|-------------------------------|------------------------------|
| 44,255 | 2 | 1 | 2 |
| Hours Worked To Date | First Aid To Date | Medical Aid To Date: | Lost Time Days To Date |
| 4,935,212 | 479 | 63/1 | 96 |

7.0 FINANCIAL

7.1 PERFORMANCE INCENTIVE PAYMENTS

Refer to the Performance Mechanism Report for full details.

7.2 MILESTONE PAYMENTS

See attached Statement of Progress.

7.3 CHANGE MANAGEMENT

Pricing has been approved for the following Province Changes/Events this month:

- None Approved this month

Pricing has been submitted for the following Province Changes:

- T9 Decals outside Faregates (SI37)

Additional Province Changes active this month include:

- Design of Wired Connection to Evacuation Alarm (SI35)
- Charles Street As-Builts (SI38)
- Moody Station – PTZ Camera to monitor FCP (SI39)
- Additional Coverboard for Port Moody/Burquitlam Areas

7.4 RISK MANAGEMENT

Risk registers for each area of work are updated on a monthly basis.

8.0 QUALITY ASSURANCE

The following is a summary of activities.

8.1 STATUS OF QUALITY MANAGEMENT SYSTEM ACTIVITIES

- EGRT Construction continues to work closely with the Province to address quality issues as they arise. Representatives from both sides continue to meet regularly to discuss project quality issues.
- EGRT Construction continues to extend the invite to the Province for internal and external audits.
- The table below shows the current status of the Management Plans

Table 1 – Management Plan Status

| Plan | Latest Date of Issue | Latest Revision | Status |
|---|----------------------|-----------------|----------|
| Quality Manual | 20-Mar-14 | 2 | Received |
| Design Quality Management Plan | 6-May-14 | 3 | Received |
| Environmental Quality Management Plan | 21-Jul-14 | 2 | Received |
| Traffic Quality Management Plan | 1-May-14 | 2 | Received |
| Construction Quality Management Plan – SGJV | 23-Jun-14 | 2 | Received |
| Construction Quality Management Plan – SLCW – GST | 23-Apr-15 | 3 | Received |
| Construction Quality Management Plan – SLCW – EG | 16-Mar-15 | 1 | Received |
| Construction Quality Management Plan – SSJV | 11-Mar-15 | 2 | Received |
| Construction Quality Management Plan – SLCW – SW | 16-Dec-13 | 0 | Accepted |

8.2 AUDIT PROGRAMME

- The tables below show the current status of the Audit Programme.

Table 2 – Audit Programme Status

| Audit Programme | Latest Date of Issue | Latest Revision | Status |
|---|-----------------------------|------------------------|---|
| Quality Audit Programme | 04-Mar-13 | 0 | Received with comments from the Province. Detailed audit programmes were issued separately. |
| Design Quality Management Audit Programme | 20-Jan-15 | 2 | Received |
| Environmental Audit Programme | 04-Dec-15 | 3 | Issued to the Province for Information |
| Traffic Management Audit Programme | 04-Dec-15 | 4 | Issued to the Province for Information |
| Transit Facilities Audit Programme | 05-Dec-14 | 4 | Issued to the Province for Information |
| Construction Quality Management Audit Programme | 4-Feb-16 | 4 | Received |

- To date, 157 quality audits have been completed by EGRT, Joint Ventures and Subcontractors. They are listed on Attachment H.
- There were no audits completed this reporting period.

Table 3 – Four Month Look Ahead Audit Schedule

| Month | Project Team (Auditor) | Project Team (Auditee) | Audit Scope |
|--------------|-------------------------------|-------------------------------|-------------------------|
| August | SLCW-SW | SLCW-SW | QSP – Red Line Drawings |

8.3 PREVENTATIVE ACTION LOG

- There were no preventive actions initiated at this reporting period.
- Below is the tracking log for preventive action.

Table 4 – Preventive Action Log

| PAR No. | Project Team | Brief Description | Response | Date Opened | Verified |
|----------------|---------------------|--------------------------|-----------------|--------------------|-----------------|
| | | | | | |

8.4 SUMMARY OF INSPECTION AND TESTING ACTIVITIES

- Below is a table showing the Inspection and Testing summary for this reporting period.

Table 5 – Summary of Inspection and Testing

| Project Team | Location | Description of Inspection and Testing |
|---------------------|----------------------------|--|
| SLCW-GST | Stations | - Deficiency repair |
| SLCW-GST | Substations | - Deficiency repair |
| SLCW-GST | Vehicle Storage Facilities | - Deficiency repair |

8.4.1 DBC

- There were no ITPs issued by DBC this reporting period.

8.4.2 SLCW-GST

- There were no ITPs issued by SLCW-GST this reporting period.

8.4.3 SLCW-SW

- There were no ITPs issued by SLCW-SW this reporting period.

8.5 NONCONFORMITY REPORTS AND CORRECTIVE ACTION

- The table below shows the current status of active NCRs.
- Associated Corrective Action for any NCR can be referred to the NCR Tracking System. Below is the link to the website.

<http://csc.snclavalin.com/sites/EvergreenNCRTS/default.aspx>

Table 6 –NCR and CAR Status

| NCR No. | Description of Nonconformity | Date Open | Date Ended | Status | Description of Correction |
|-------------------|--|------------------|-------------------|---------------------------|----------------------------------|
| SSJV-0035 | Additional Segments With Curing Temperatures Exceeded 70 °C, Installed In The Tunnel | 24-Mar-15 | | Final Quality Review | Use-as-is |
| SLCW-GST-0073 | Drainage issue at DF pads locations in Section 330 | 26-May-15 | | Correction Implementation | Repair |
| SLCW-GST-0074 | Escalators – Sound Absorption Material “all stations” | 15-Jun-15 | | Correction Implementation | Rework |
| SLCW-GST-0086 | Projectwide Lighting Fixtures Ballast | 21-Mar-16 | | Correction Implementation | Rework |
| SLCW-GST-0089 | Corrosion of LIM Studs at Stud-Grout Interface | 25-May-16 | | Correction Implementation | Repair |
| SLCW-Systems-0009 | Interface tolerance between running rail and expansion joint | 15-June-16 | | Correction Implementation | Repair |
| DBC-0006 | Bird Nesting Survey | 17-June-16 | 14-July-16 | Ended | Use-as-is |
| SLCW-GST-0090 | Station Floor Drainage | 22-June-16 | | Activated | |

8.6 CONTINUAL IMPROVEMENT INITIATIVES

Improvement initiatives are presently done through Opportunity for Improvements and Corrective Actions related to NCRs.

9.0 PROJECT PHOTOGRAPHS



Figure 1 – Formwork in Preparation of South Portal Transition Pour



Figure 2 – Power Rail Offloading and Installation



Figure 3 – Tunnel Section with completed Running Rail, LIM and Power Rail



Figure 4 – North Portal Roof Slab Pour

Attachments

Attachment A – Submission List – Systems - ***Discontinued***

Attachment B – Project Schedule

Attachment C – Activity Changes - ***Discontinued***

Attachment D – Logic Changes - ***Discontinued***

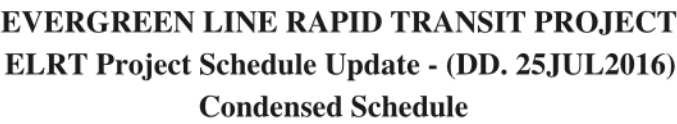
Attachment E – Alignment Key Plan

Attachment F – Environmental Existing Permits

Attachment G – Four Month Look Ahead Audit Schedule – ***Discontinued(See 8.2 Table 3)***

Attachment H – Quality Audits

ATTACHMENT A
SYSTEM MANAGEMENT PLAN
DISCONTINUED

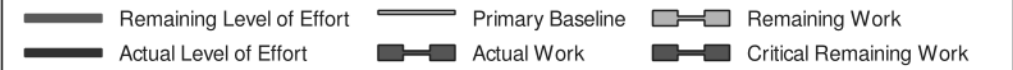
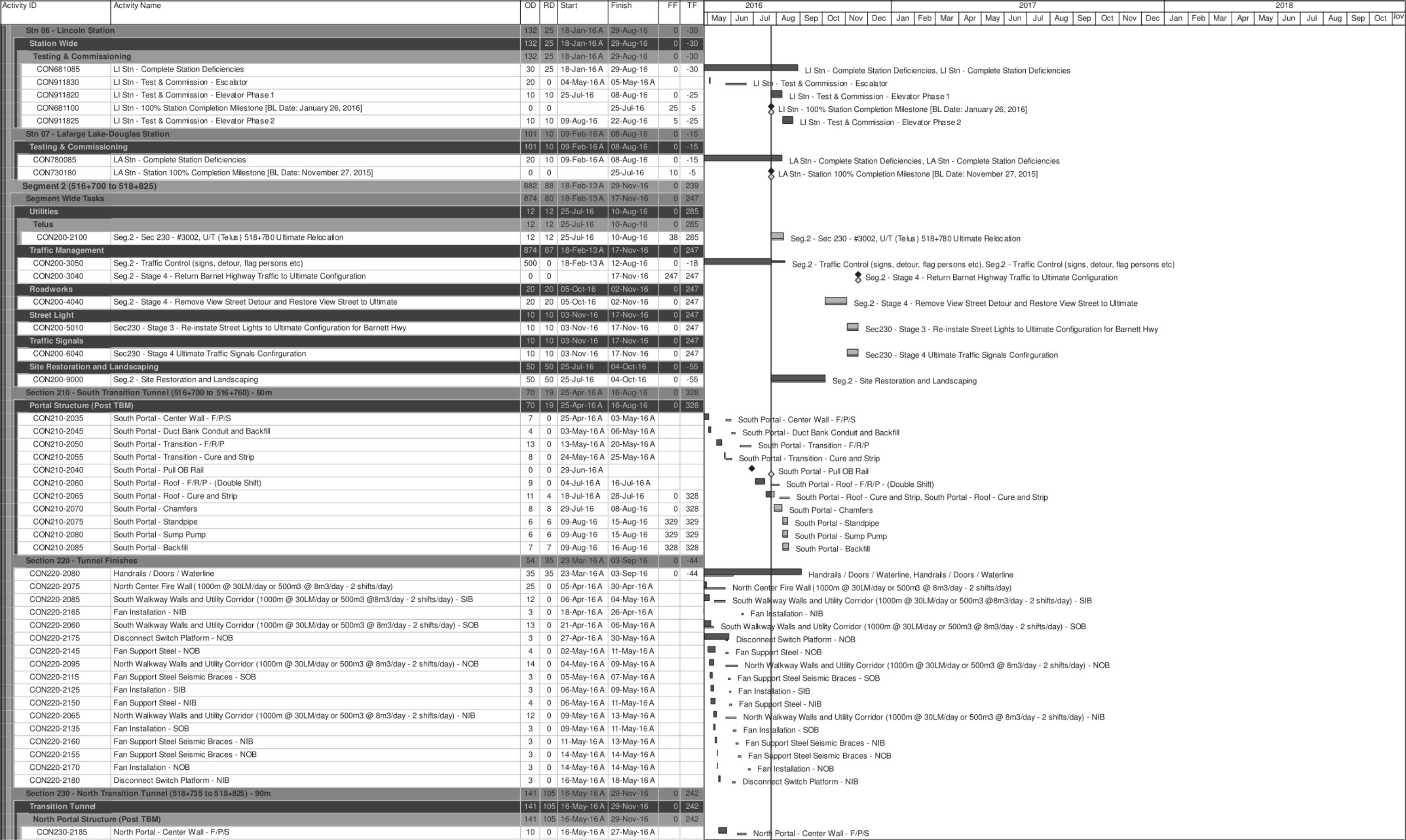


| Date | Revision | Checked | Approved |
|-----------|--|---------|----------|
| 08-Aug-16 | Project Schedule Update (DD.25JUL2016) Rev.1 | JS | JS |
| | | | |
| | | | |

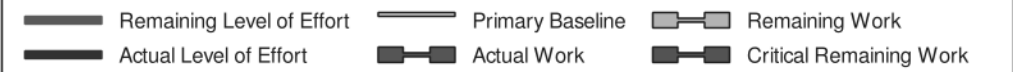
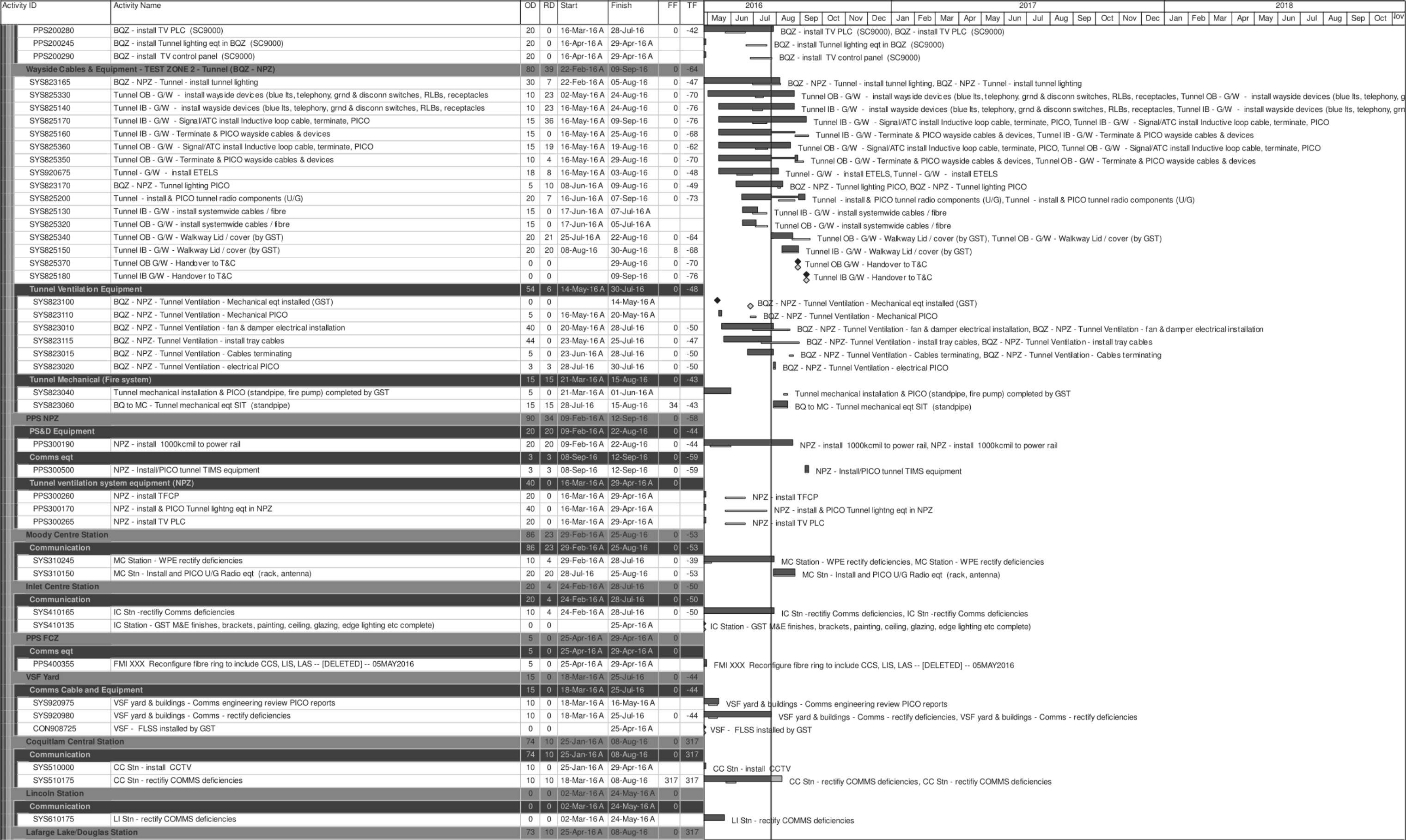
| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | | | | |
|---|---|-----|-----|-------------|-------------|-----|-----|--|-----|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | | | | | | |
| ELRT Project Schedule - July 2016 Update - (DD.25JUL2016) | | | | | | | | 123E | 327 | 08-Nov-12 A | 16-Nov-17 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL/START UP | | | | | | | | 921 | 327 | 03-Mar-14 A | 16-Nov-17 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Key Dates | | | | | | | | 369 | 269 | 29-Apr-16 A | 16-Nov-17 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100325 | 6 Month Notification for Substantial Completion | 0 | 0 | 29-Apr-16 A | | | | 6 Month Notification for Substantial Completion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100165 | MKII Train Delivery for Test Zone 3/4/5 - Delivered Manually through Tunnel | 0 | 0 | 03-Jul-16 A | | | | MKII Train Delivery for Test Zone 3/4/5 - Delivered Manually through Tunnel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100300 | Substantial Completion (Target Date July 29, 2016) - (Anticipated; February 29, 2016) | 0 | 0 | | 17-Oct-16* | 0 | -92 | Substantial Completion (Target Date July 29, 2016) - (Anticipated; February 29, 2016) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100155 | Total Completion Period (Target Date October 31, 2016) | 106 | 106 | 18-Oct-16 | 31-Jan-17* | 0 | -92 | Total Completion Period (Target Date October 31, 2016) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100330 | Service Commencement - Earliest Date | 0 | 0 | 21-Oct-16 | | 392 | 392 | Service Commencement - Earliest Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100310 | Service Commencement (Target Date August 30, 2016) - (Anticipated; March 31, 2016) | 0 | 0 | | 17-Nov-16* | 0 | -81 | Service Commencement (Target Date August 30, 2016) - (Anticipated; March 31, 2016) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100315 | Availability Demonstration Completion Period (Target Date August 30, 2017) | 365 | 365 | 17-Nov-16 | 16-Nov-17 | 0 | -80 | Availability Demonstration Completion Period (Target Date August 30, 2017) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100335 | TIDS Performance Demonstration Completion Period (Target Date August 30, 2017) | 365 | 365 | 17-Nov-16 | 16-Nov-17 | 0 | -80 | TIDS Performance Demonstration Completion Period (Target Date August 30, 2017) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100305 | Total Completion (Target Date October 31, 2016) - (Anticipated; May 29, 2016) | 0 | 0 | | 31-Jan-17 | 289 | 209 | Total Completion (Target Date October 31, 2016) - (Anticipated; May 29, 2016) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100320 | Availability Demonstration Completion Target Date (Target Date August 30, 2017) | 0 | 0 | | 16-Nov-17* | 0 | -80 | Availability Demonstration Completion Target Date (Target Date August 30, 2017) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN100340 | TIDS Performance Demonstration Completion (Target Date August 30, 2017) | 0 | 0 | | 16-Nov-17* | 0 | -80 | TIDS Performance Demonstration Completion (Target Date August 30, 2017) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Work Access Dates | | | | | | | | 0 | 0 | 25-Jul-16 | 25-Jul-16 | 0 | -56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guideway Cable Tray Access Dates | | | | | | | | 0 | 0 | 25-Jul-16 | 25-Jul-16 | 0 | -56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACS4010 | GW ready for Systems Cable Tray Installation (BQZ to NPZ) - Tunnel 1A | 0 | 0 | 25-Jul-16 | | 0 | -56 | GW ready for Systems Cable Tray Installation (BQZ to NPZ) - Tunnel 1A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hand Over Milestones - SW | | | | | | | | 19 | 0 | 16-May-16 A | 25-Jul-16 | 0 | -56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SYS825100 | Tunnel 1A - GW ready for Systems installation | 0 | 0 | | 16-May-16 A | | | Tunnel 1A - GW ready for Systems installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SYS825300 | Tunnel 1B - GW ready for Systems installation | 0 | 0 | | 25-Jul-16 | 3 | -56 | Tunnel 1B - GW ready for Systems installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plans and Submissions | | | | | | | | 680 | 86 | 03-Mar-14 A | 25-Nov-16 | 0 | 241 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environmental Plans | | | | | | | | 60 | 60 | 31-Aug-16 | 25-Nov-16 | 0 | 241 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104135 | Prepare and Submit Environmental Final Completion Report | 60 | 60 | 31-Aug-16 | 25-Nov-16 | 241 | 241 | Prepare and Submit Environmental Final Completion Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Plan Submissions / Systems Design mgmt | | | | | | | | 20 | 20 | 03-Mar-14 A | 22-Aug-16 | 0 | 307 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104280 | Prepare & submit Systems Software Design mgmt Plan for SCDR (B.9) | 20 | 20 | 03-Mar-14 A | 22-Aug-16 | 0 | 307 | Prepare & submit Systems Software Design mgmt Plan for SCDR (B.9), Prepare & submit Systems Software Design mgmt Plan for SCDR (B.9) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Safety | | | | | | | | 31 | 31 | 16-Sep-16 | 01-Nov-16 | 0 | 203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107705 | EGRT Safety documentation | 0 | 0 | | 16-Sep-16 | 1 | 204 | EGRT Safety documentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104340 | Prepare and Submit Safety Requirements Verification Report | 20 | 20 | 19-Sep-16 | 17-Oct-16 | 0 | -63 | Prepare and Submit Safety Requirements Verification Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107725 | FLSS TVS Safety documentation | 0 | 0 | | 19-Sep-16 | 0 | 203 | FLSS TVS Safety documentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107805 | Overall TVS Safety certification | 0 | 0 | | 19-Sep-16 | 0 | 203 | Overall TVS Safety certification | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104345 | Prepare and Submit Final Systems Safety Report | 30 | 30 | 20-Sep-16 | 01-Nov-16 | 0 | 203 | Prepare and Submit Final Systems Safety Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104344 | Safety Requirements Verification Report available | 0 | 0 | | 17-Oct-16 | 0 | -63 | Safety Requirements Verification Report available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104348 | Final Systems Safety Report available | 0 | 0 | | 01-Nov-16 | 49 | 203 | Final Systems Safety Report available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Verification and Validation testing | | | | | | | | 20 | 20 | 23-Aug-16 | 20-Sep-16 | 0 | -45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104425 | Prepare and Submit Requirements Verification Report | 20 | 20 | 23-Aug-16 | 20-Sep-16 | 18 | -45 | Prepare and Submit Requirements Verification Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems test documentation | | | | | | | | 101 | 59 | 09-Dec-15 A | 18-Oct-16 | 0 | 258 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104450 | Prep and submit Documentation Pkg to allow Trial Running (10.7) | 51 | 44 | 15-Jul-16 A | 26-Sep-16 | 0 | -63 | Prep and submit Documentation Pkg to allow Trial Running (10.7), Prep and submit Documentation Pkg to allow Trial Running (10.7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104455 | Prep and submit Documentation Pkg to allow Service Commencement | 30 | 30 | 25-Jul-16 | 06-Sep-16 | 0 | -26 | Prep and submit Documentation Pkg to allow Service Commencement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104456 | Documentation Pkg to allow Service Commencement available | 0 | 0 | | 06-Sep-16 | 28 | -26 | Documentation Pkg to allow Service Commencement available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104451 | Documentation Pkg to allow Trial Running available | 0 | 0 | | 26-Sep-16 | 0 | -63 | Documentation Pkg to allow Trial Running available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104435 | Prepare and submit Trial Running Test Report | 10 | 10 | 04-Oct-16 | 18-Oct-16 | 0 | -35 | Prepare and submit Trial Running Test Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN104436 | Trial Running Test Report available | 0 | 0 | | 18-Oct-16 | 20 | -35 | Trial Running Test Report available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Procedures | | | | | | | | 24 | 0 | 09-Dec-15 A | 25-Jul-16 | 0 | 317 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900160 | ICS - TVS - Province review SAT procedures | 24 | 0 | 09-Dec-15 A | 05-May-16 A | | | ICS - TVS - Province review SAT procedures | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107775 | Radio SSIT procedures - prepare & submit to Province | 20 | 0 | 16-May-16 A | 25-Jul-16 | 0 | 287 | Radio SSIT procedures - prepare & submit to Province, Radio SSIT procedures - prepare & submit to Province | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN107790 | TRIMS SSIT procedures - prepare & submit to Province | 20 | 0 | 16-May-16 A | 25-Jul-16 | 0 | 317 | TRIMS SSIT procedures - prepare & submit to Province, TRIMS SSIT procedures - prepare & submit to Province | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other submissions | | | | | | | | 100 | 5 | 26-Oct-15 A | 29-Jul-16 | 0 | -21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN108190 | PS&D - prepare and submit test reports | 100 | 5 | 26-Oct-15 A | 29-Jul-16 | 0 | -21 | PS&D - prepare and submit test reports, PS&D - prepare and submit test reports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Constraints | | | | | | | | 326 | 53 | 16-Sep-15 A | 15-Sep-16 | 0 | 347 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN106020 | DFO Restriction Period 2015/2016 | 320 | 7 | 16-Sep-15 A | 31-Jul-16 | 0 | 347 | DFO Restriction Period 2015/2016, DFO Restriction Period 2015/2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN106080 | CWS & MoE Restriction Period 2016 | 137 | 7 | 15-Mar-16 A | 31-Jul-16 | 0 | 27 | CWS & MoE Restriction Period 2016, CWS & MoE Restriction Period 2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEN106100 | DFO Working Window 2016 | 46 | 46 | 01-Aug-16 | 15-Sep-16 | 427 | 347 | DFO Working Window 2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT MANAGEMENT | | | | | | | | 912 | 0 | 08-Nov-12 A | 25-Jul-16 | 0 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Design Management | | | | | | | | 912 | 0 | 08-Nov-12 A | 25-Jul-16 | 0 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PM1010 | Prepare and submit the Non-systems Design Manual | 25 | 0 | 08-Nov-12 A | 25-Jul-16 | 0 | -5 | Prepare and submit the Non-systems Design Manual, Prepare and submit the Non-systems Design Manual | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PM1030 | Design Management - Finish | 0 | 0 | | 25-Jul-16 | 26 | -5 | Design Management - Finish | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | |
|---|---|----|----|-------------|-------------|-----|-----|--|-----|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
| | | | | | | | | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | | |
| Construction Management | | | | | | | | 0 | 0 | 25-Jul-16 | 25-Jul-16 | 0 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PM2020 | Construction Management - Finish | 0 | 0 | | 25-Jul-16 | 58 | -5 | Construction Management - Finish | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN/ENGINEERING | | | | | | | | 265 | 33 | 10-Mar-15 A | 09-Sep-16 | 0 | 294 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems | | | | | | | | 265 | 33 | 10-Mar-15 A | 09-Sep-16 | 0 | 294 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Supply and Distribution | | | | | | | | 126 | 24 | 14-Sep-15 A | 26-Aug-16 | 0 | 258 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Automation for Stations and Substations | | | | | | | | 49 | 27 | 02-Feb-16 A | 31-Aug-16 | 0 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signalling/ATC Design (Handover milestones from 3rd party - Thales) | | | | | | | | 252 | 20 | 10-Mar-15 A | 22-Aug-16 | 0 | 307 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ancillary Systems | | | | | | | | 238 | 33 | 25-Aug-15 A | 09-Sep-16 | 0 | -29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trainway Intrusion Detection System (TIDS) | | | | | | | | 216 | 11 | 25-Aug-15 A | 09-Aug-16 | 0 | -59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541350 | TIMS tunnel - final design (ECN 003) | 30 | 0 | 25-Aug-15 A | 29-Apr-16 A | | | TIMS tunnel - final design (ECN 003) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541355 | TIMS tunnel - SFDR submitted | 0 | 0 | | 29-Apr-16 A | | | TIMS tunnel - SFDR submitted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541360 | TIMS tunnel - Province review FDR submission | 0 | 0 | 02-May-16 A | 25-May-16 A | | | TIMS tunnel - Province review FDR submission | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541380 | TIMS tunnel - FDR meeting | 0 | 0 | | 05-May-16 A | | | TIMS tunnel - FDR meeting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541370 | TIMS tunnel - Prepare response & conduct FDR meeting | 1 | 1 | 26-May-16 A | 25-Jul-16 | 0 | -59 | TIMS tunnel - Prepare response & conduct FDR meeting, TIMS tunnel - Prepare response & conduct FDR meeting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541395 | TIMS tunnel - prepare fabrication drawings for posts and mounting hardware | 10 | 10 | 26-Jul-16 | 09-Aug-16 | 0 | -59 | TIMS tunnel - prepare fabrication drawings for posts and mounting hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541405 | TIMS tunnel - start procurement of equipment | 0 | 0 | 26-Jul-16 | | 0 | -59 | TIMS tunnel - start procurement of equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunnel Ventilation | | | | | | | | 33 | 33 | 25-Jul-16 | 09-Sep-16 | 0 | -29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heritage Mountain Monitor/Receiver | | | | | | | | 103 | 29 | 03-Mar-16 A | 06-Sep-16 | 0 | 298 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Turris / SLCW-SW Design & Review | | | | | | | | 103 | 29 | 03-Mar-16 A | 06-Sep-16 | 0 | 298 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990020 | Monitor / Receiver - Preliminary Design - design report [Turris] | 10 | 0 | 03-Mar-16 A | 29-Apr-16 A | | | Monitor / Receiver - Preliminary Design - design report [Turris] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990030 | Monitor / Receiver - Preliminary Design - Drawings [Turris] | 10 | 0 | 03-Mar-16 A | 29-Apr-16 A | | | Monitor / Receiver - Preliminary Design - Drawings [Turris] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990040 | Monitor / Receiver - Preliminary Design submission [Turris] | 0 | 0 | | 29-Apr-16 A | | | Monitor / Receiver - Preliminary Design submission [Turris] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990060 | Monitor / Receiver - SW Internal Review with Responses | 5 | 0 | 02-May-16 A | 06-May-16 A | | | Monitor / Receiver - SW Internal Review with Responses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990070 | Monitor / Receiver - PDR meeting b/n SW and Turris | 0 | 0 | | 06-May-16 A | | | Monitor / Receiver - PDR meeting b/n SW and Turris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990080 | Monitor / Receiver - Final Design - design report [Turris] | 9 | 0 | 09-May-16 A | 20-May-16 A | | | Monitor / Receiver - Final Design - design report [Turris] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990090 | Monitor / Receiver - Final Design - Drawings [Turris] | 9 | 0 | 09-May-16 A | 20-May-16 A | | | Monitor / Receiver - Final Design - Drawings [Turris] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990110 | Monitor / Receiver - Final Design submission [Turris] | 0 | 0 | | 20-May-16 A | | | Monitor / Receiver - Final Design submission [Turris] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990115 | Monitor / Receiver - SLCW Review of FDR | 5 | 0 | 23-May-16 A | 31-May-16 A | | | Monitor / Receiver - SLCW Review of FDR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990120 | Monitor / Receiver - FDR submission Issued to Province for Information | 0 | 0 | | 06-Jun-16 A | | | Monitor / Receiver - FDR submission Issued to Province for Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990140 | Monitor / Receiver - FDR meeting with Province | 0 | 0 | | 07-Jun-16 A | | | Monitor / Receiver - FDR meeting with Province | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990150 | Monitor / Receiver - FDR Meeting Minutes / Memo | 5 | 0 | 08-Jun-16 A | 13-Jun-16 A | | | Monitor / Receiver - FDR Meeting Minutes / Memo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990160 | Monitor / Receiver - SW Prepare IFC Package | 6 | 0 | 08-Jun-16 A | 20-Jun-16 A | | | Monitor / Receiver - SW Prepare IFC Package | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990165 | Monitor / Receiver - Issue FDR Meeting Minutes [Engineering] | 0 | 0 | | 10-Jun-16 A | | | Monitor / Receiver - Issue FDR Meeting Minutes [Engineering] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990155 | Monitor / Receiver - IFC | 0 | 0 | | 20-Jun-16 A | | | Monitor / Receiver - IFC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990025 | Monitor / Receiver - Turris FAT Procedure | 6 | 6 | 25-Jul-16 | 02-Aug-16 | 0 | -39 | Monitor / Receiver - Turris FAT Procedure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990035 | Monitor / Receiver - SW Review of Turris FAT Procedure | 10 | 10 | 03-Aug-16 | 16-Aug-16 | 7 | -32 | Monitor / Receiver - SW Review of Turris FAT Procedure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990170 | Monitor / Receiver - SAT Procedure from Turris | 10 | 10 | 17-Aug-16 | 30-Aug-16 | 0 | -39 | Monitor / Receiver - SAT Procedure from Turris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990045 | Monitor / Receiver - Turris FAT report and submission to SW | 4 | 4 | 26-Aug-16 | 31-Aug-16 | 0 | -39 | Monitor / Receiver - Turris FAT report and submission to SW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990180 | Monitor / Receiver - Internal Review of Turris SAT Procedure & Submission to Province | 3 | 3 | 31-Aug-16 | 02-Sep-16 | 6 | -39 | Monitor / Receiver - Internal Review of Turris SAT Procedure & Submission to Province | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990055 | Monitor / Receiver - SW Review of Turris FAT Report | 2 | 2 | 01-Sep-16 | 02-Sep-16 | 0 | -39 | Monitor / Receiver - SW Review of Turris FAT Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990065 | Monitor / Receiver - Submit FAT report to Province for Information | 0 | 0 | 06-Sep-16 | | 6 | -39 | Monitor / Receiver - Submit FAT report to Province for Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BC Hydro Collocation Approval | | | | | | | | 83 | 20 | 31-Mar-16 A | 22-Aug-16 | 0 | 307 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990200 | Monitor /Receiver - Telus Collocation Review | 22 | 0 | 31-Mar-16 A | 29-Apr-16 A | | | Monitor /Receiver - Telus Collocation Review | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990220 | Monitor / Receiver - BC Hydro Structural Analysis | 28 | 0 | 07-Apr-16 A | 24-Jun-16 A | | | Monitor / Receiver - BC Hydro Structural Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990240 | Monitor / Receiver - Obtain drawings from BC Hydro | 6 | 0 | 08-Apr-16 A | 27-May-16 A | | | Monitor / Receiver - Obtain drawings from BC Hydro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990230 | Monitor / Receiver - BC Hydro Review of Structural Analysis | 10 | 0 | 27-Jun-16 A | 25-Jul-16 | 0 | 327 | Monitor / Receiver - BC Hydro Review of Structural Analysis, Monitor / Receiver - BC Hydro Review of Structural Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2580 | Monitor / Receiver - Obtain drawings from BC Hydro | 6 | 6 | 25-Jul-16 | 02-Aug-16 | 321 | 321 | Monitor / Receiver - Obtain drawings from BC Hydro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990235 | Monitor / Receiver - Provide SW IFC Package to BC Hydro | 0 | 0 | | 25-Jul-16 | 0 | 307 | Monitor / Receiver - Provide SW IFC Package to BC Hydro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990245 | Monitor / Receiver - BC Hydro Review of SW IFC Package | 20 | 20 | 25-Jul-16 | 22-Aug-16 | 307 | 307 | Monitor / Receiver - BC Hydro Review of SW IFC Package | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990250 | Monitor / Receiver - Provide BC Hydro with SW Installation Schedule | 0 | 0 | | 29-Jul-16 | 0 | 312 | Monitor / Receiver - Provide BC Hydro with SW Installation Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990255 | Monitor / Receiver - BC Hydro review of SW Installation Schedule | 10 | 10 | 02-Aug-16 | 15-Aug-16 | 0 | 312 | Monitor / Receiver - BC Hydro review of SW Installation Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990260 | Monitor / Receiver - BC Hydro SW Installation Approval / Okay to proceed with SW Installation | 0 | 0 | | 15-Aug-16 | 312 | 312 | Monitor / Receiver - BC Hydro SW Installation Approval / Okay to proceed with SW Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T&D Design | | | | | | | | 61 | 0 | 15-Apr-16 A | 17-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990310 | Monitor / Receiver - T&D Civil/Electrical/Geotechnical Preliminary Design Package | 23 | 0 | 15-Apr-16 A | 25-May-16 A | | | Monitor / Receiver - T&D Civil/Electrical/Geotechnical Preliminary Design Package | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990320 | Monitor / Receiver - T&D Civil/Electrical/Geotech Design Package | 17 | 0 | 26-May-16 A | 17-Jun-16 A | | | Monitor / Receiver - T&D Civil/Electrical/Geotech Design Package | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | 257 | 31 | 02-Jul-15 A | 07-Sep-16 | 0 | 296 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Civil Materials/Equipment | | | | | | | | 0 | 0 | 07-Sep-16 | 07-Sep-16 | 0 | -36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Station | | | | | | | | 0 | 0 | 07-Sep-16 | 07-Sep-16 | 0 | -36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Wide | | | | | | | | 0 | 0 | 07-Sep-16 | 07-Sep-16 | 0 | -36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Procurement | | | | | | | | 0 | 0 | 07-Sep-16 | 07-Sep-16 | 0 | -36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC817115 | Procurement Completion | 0 | 0 | | 07-Sep-16 | 27 | -36 | Procurement Completion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Materials/Equipment | | | | | | | | 257 | 31 | 02-Jul-15 A | 07-Sep-16 | 0 | 296 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems | | | | | | | | 257 | 31 | 02-Jul-15 A | 07-Sep-16 | 0 | 296 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Comms (optical fibre, cable, cameras, TVs..) | 251 | 25 | 02-Jul-15 A | 30-Aug-16 | 0 | -61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Evergreen Line Rapid Transit Project Schedule

 Remaining Work Actual Level of Effort Actual Work Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

Page 123 of 290 TRA-2016-64424

| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C31250 | FLSS Available for TL H/E integration - NPZ | 0 | 0 | | 10-Sep-16 | 0 | -76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ATTACHMENT C
ACTIVITY CHANGES
DISCONTINUED

ATTACHMENT D
LOGIC CHANGES
DISCONTINUED

Withheld pursuant to/removed as

Attachment F

Environmental Management

Permitting Status – Key Active Permits (expired or otherwise inactive permits are shown in grayscale font)

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|------------------|--|
| Federal | | | |
| DFO Authorization – to authorize harmful alteration or disruption, or the destruction, of fish habitat (HADD) | <i>Fisheries Act</i> ¹ , Subsection 35(2)(b) | July 11, 2013 | The DFO Authorization (#06-HPAC-PA1-00001) was signed by DFO and the Ministry of Transportation and became effective on July 18, 2013. The Permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to address design developments and method changes that occurred after issuance of the Authorization on July 18, 2013 | <i>Fisheries Act</i> , Subsection 35(2)(b) | January 24, 2014 | DFO amended Authorization No. 06-HPAC-PA1-00001 on January 27, 2014. The Amendment expires on Dec. 31, 2016. |
| Request for DFO review of final proposed habitat compensation for the Project (including various changes to habitat compensation as compared to the habitat compensation described in the Project Authorization #06-HPAC-PA1-00001 as amended on January 27, 2014). | <i>Fisheries Act</i> , Subsection 35(2)(b) | April 30, 2015 | On May 21, 2015 DFO issued a letter to the Province accepting all of EGRT's proposed changes. The updated habitat compensation supersedes the compensation described in the Project Authorization #06-HPAC-PA1-00001 (as amended on January 27, 2014) but all other conditions of the Authorization continue to apply. The Authorization expires on Dec. 31, 2016. |
| Request to DFO for variance from DFO Authorization No. 06-HPAC-PA1-00001: request to start water line relocation at Schoolhouse Creek in last week of July 2016, prior to the start of the 2016 least-risk fisheries window. | <i>Fisheries Act</i> , Subsection 35(2)(b) | July 18, 2016 | DFO issued a "no objection" on July 20, 2016. The variance applies only to the last week of July 2016, which is now past. |

¹ Amendments to the *Fisheries Act* came into effect on November 2013 that repealed the HADD provisions of Subsection 35(2). However, DFO Authorization #06-HPAC-PA1-00001 is grandfathered under the amended Act and remains in effect.

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|-------------------------|--|
| DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | June 25, 2013 | The permit (#XR 239-2013) was received on July 8, 2013. The permit expired on June 30 2014. A new permit was obtained (see row below). |
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | March 18, 2014 | The permit (#XR 239-2014) was received on March 21, 2014. Note this permit supersedes #XR 239-2013 (see row above). |
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | January 8, 2015 | The permit (#XR 71 2014 – Amendment 2) was received on January 15, 2015. Subsequently, the Permit was further amended to include road works and culvert installation at Pinnacle Creek, The Permit expired on December 31, 2015. |
| DFO Permit to allow fish salvage during habitat compensation construction at Schoolhouse Creek. | <i>Fisheries Act, Fishery (General) Regulation</i> | December 24, 2015 | The permit (XR 376 2015) was received on December 28, 2015. The permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to allow instream works at Kyle Creek from Oct. 1 – 15, 2013 | <i>Fisheries Act, Subsection 35(2)</i> | Sept. 30, 2013 | Email amendment was received from DFO on Sept. 30, 2013. The relevant work is complete. |
| Request for DFO review of proposed out-of-window instream work at Tributary to Suterbrook Creek (to begin construction of instream Pier P3-15) | <i>Fisheries Act, Subsection 35(2)(b);</i> DFO Authorization No. 06-HPAC-PA1-00001 | January 27, 2014 | DFO issued a “no objection” email to the Province on January 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct instream works to build Utility 4011 outside the least risk window specified in DFO Authorization #06-HPAC-PA1-00001) | <i>Fisheries Act, Subsection 35(2)(b)</i> | March 25, 2014 | DFO issued a “no objection” email to the Province on March 25, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Scott Creek (work to be completed no later than | <i>Fisheries Act, Subsection 35(2)(b);</i> DFO Authorization No. 06-HPAC-PA1-00001 | August 20, 2014 | DFO issued a “no objection” email to EGRT on August 21, 2014. The relevant |

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|--------------------|---|
| October 10, 2014) | | | work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than October 30, 2014) | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | August 28, 2014 | DFO issued a “no objection” email to the Province on August 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than November 16, 2014) | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | October 28, 2014 | DFO issued a “no objection” email to the Province on October 28, 2014. The relevant work is complete. |
| Request to DFO to allow instream works to occur outside the least-risk fisheries window at Scott Creek (to install bank stabilization). | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | January 29, 2015 | DFO issued a “no objection” email to the EGRT on January 30, 2015. The relevant work is complete. |
| Provincial | | | |
| Ministry of Forests, Lands and Natural Resource Operations (FLNR) Approval to allow changes in and about a stream (major works) at Kyle Creek, Suterbrook Creek, Scott Creek and “Mariner Pond” | <i>Water Sustainability Act</i> ² , Section 11 | May 27, 2013 | Approval (#A2006043) was received on July 24, 2013. The Approval expires Dec. 31, 2016. |
| Order amending Approval A2006043 to allow instream works to occur outside the least-risk fisheries window | <i>Water Sustainability Act</i> , Section 11 | September 30, 2013 | The Order was received on Sept. 30, 2013. The Order applies to all watercourses affected by the Project. The Order expires Dec. 31, 2016. |
| Approval to construct habitat compensation at Hoy Creek. | <i>Water Sustainability Act</i> , Section 11 | May 14, 2015 | Approval (#A2006297) was received on July 23, 2015. The Approval expires Dec. 1, 2016. |
| Approval to construct habitat compensation at Schoolhouse Creek. | <i>Water Sustainability Act</i> , Section 11 | May 15, 2015 | Approval (#2006301) was received on December 21, 2015. The Approval expires Dec. 1, 2017. |
| Notification to FLNR Habitat Officer to allow changes in and about a stream (GVSD storm system repairs) – Ottley Creek | <i>Water Sustainability Act</i> , Section 11 <i>Water Sustainability Regulation</i> , Part 3 | June 21, 2016 | Notification was assigned file # 100169648. FLNR green-lighted the work |

² A new *Water Sustainability Act* came into force in early 2016 that updated and replaced the historic *Water Act*. Approvals shown in this matrix were all issued pursuant to section 9 of the *Water Act*. Those that remain active are grandfathered under the WSA. Section 11 of the WSA is now the relevant Section. The matrix has been updated to show the Approvals are pursuant to the WSA, Section 11. Similarly, the *Water Regulation* was replaced by the *Water Sustainability Regulation*. Except for the Notification shown for culvert repairs at Ottley Creek (June 21, 2016), all the Notifications shown in the matrix were originally submitted pursuant to Part 7 of the *Water Regulation*. The applicable regulation is now Part 3 of the *Water Sustainability Regulation*, as shown in this matrix.

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|-------------------|--|
| | | | in an email dated July 21, 2016. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Schoolhouse Creek | Water Sustainability Regulation, Part 3 | May 17, 2013 | The Permit (FLRN tracking #2013-104) has expired and is superseded by a new Notification (see row below). |
| Notification to FLNR to allow changes in and about a stream (drainage, PPS and road works) – Schoolhouse Creek | Water Sustainability Regulation, Part 3 | Dec. 10, 2013 | The Permit (FLRN tracking #124843) is now in place and supersedes #2013-104 (see row above). The Notification expired Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Permit (FLRN tracking #111384) has expired and is superseded by a new Notification (see row below). |
| Notification to FLNR to allow changes in and about a stream (changes to guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | November 14, 2013 | The Permit (FLRN tracking #120176) is now in place and supersedes #111384 (see row above). The Notification expired on Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Permit (FLRN tracking #112669) expired on September 30, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145189) and became active on October 1, 2014 superseding the previous Notification. The Notification expired Dec. 31, 2015. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | June 14, 2013 | The Permit (FLRN tracking #112669) is now in place. The Notification expired on May 15, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Notification expired on December 31, 2015. |

| Permit Description | Act/Regulation | Application Date | Status |
|---|--|-------------------|---|
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Notification (FLNR Tracking #111383) expired on September 30, 2014 and is superseded by an updated Notification which becomes active on Oct 1, 2014 (see row below). |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145190) and became active on October 1, 2014 superseding the previous Notification. The new Notification expired on Apr. 30, 2015. |
| FLNR Permit to allow fish salvage (intended for habitat construction at Schoolhouse Creek) | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | December 23, 2015 | The Permit (#SU16-223632) was issued on February 9, 2016. It expires Dec. 31, 2016. |
| FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | June 25, 2013 | The Permit (#SU13-88489) was issued on July 16, 2013. The Permit is superseded by the Amendment extension (see row below). |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | March 4, 2014 | The Permit (#SU13-88489) was issued on March 6, 2014. The Permit expired on June 29, 2015. |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | January 15, 2015 | The Permit (#SU15-165242) was issued on February 12, 2015 Note this permit superseded #SU13-88489 (see row above). The Permit expired on December 31, 2015. |
| FLNR Permit to allow wildlife salvage | <i>Wildlife Act</i> , Permit Regulation, Section 2 | May 13, 2013 | The Permit (#SU13-87792) was issued on July 9, 2013. The Permit expired on July 1, 2014 and has not been renewed as wildlife salvage is no |

| Permit Description | Act/Regulation | Application Date | Status |
|---|--|-------------------|---|
| | | | longer required. |
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | April 4, 2013 | The Permit was issued on June 18, 2013. The Permit expired Dec. 31, 2014. |
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | August, 2014 | The Permit was amended on August 28, 2014. The Permit expired June 30, 2015. The final report has been submitted to Archaeology Branch and relevant First Nations. |
| Regional/Municipal | | | |
| Waste Discharge Permit | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | November 26, 2013 | The Permit (#SC-100914-FSA) was issued on February 17, 2014. The Permit does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and the Permit was cancelled on July 27, 2016. |
| Waste Discharge Permit – amendment to include additional scope. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | April 10, 2014 | The Permit (#SC-100914-FSA) was amended on April 28, 2014. The Amendment does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and the Permit was cancelled on July 27, 2016. |
| Waste Discharge Permit – Minor Amendment to include additional treatment components (including a clarifier, mixing tank and filter press) and to address a change in sampling location. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | July 29, 2014 | The Minor Amendment to the Permit (#SC-100914-FSA) was issued on August 13, 2014. The Permit does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and the Permit was cancelled on July 27, 2016. |
| Waste Discharge Permit (one time | Greater Vancouver | March 27, 2015 | Metro Vancouver |

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|------------------|---|
| request to discharge groundwater associated with the dewatering operation at Clarke Rd and Seaview Dr.). | Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | | issued a Waste Discharge Permit (No. SC-100990-FSA) to EGRT on April 2, 2015. The Permit expired on May 15, 2015. |
| Waste Discharge Permit – Minor Amendment to extend the Permit end-date to July 31, 2015. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | May 2, 2015 | Metro Vancouver issued a Minor Amendment to Permit No. SC-100990-FSA on May 15, 2015. The Permit expired on July 31, 2015. |
| Waste Discharge Permit – Major Amendment to extend the Permit end-date to Sept. 30, 2015 and increase the total allowed discharge to sanitary system. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | July 22, 2015 | Metro Vancouver issued a Major Amendment to Permit No. SC-100990-FSA on Aug. 11, 2015. The Permit expired on Sept. 30, 2015. |
| Other | | | |
| Tsleil-Waututh Nation - Heritage Investigation Permit | N/A | July 2, 2014 | An amendment to the Permit (#2013-014) was issued on October 3, 2014. Archaeological investigation and monitoring are complete. |
| Sto:Lo First Nation - Heritage Investigation Permit | N/A | May 6, 2013 | Permit (#2013-031) was issued on June 4, 2013. Archaeological investigation and monitoring are complete. |

Attachment H

Table 3 – Quality Audits

| Audit Report Number | Discipline | Auditor | Auditee | Audit Date | NCR's Raised | OFI's Raised |
|-----------------------------|------------|---------|----------------------|------------|--------------|--------------|
| 511325-00000-SWSL-38QB-0001 | Design | EGRT | SNC Lavalin | 23-Apr-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0002 | Design | EGRT | SNC Lavalin | 03-May-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0003 | Design | EGRT | IBT | 11-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0004 | Design | EGRT | MMM | 06-Jun-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0005 | Design | EGRT | EBA | 04-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0006 | Design | EGRT | Fast+Epp | 25-Jun-13 | 1 | 0 |
| 511325-00000-SWSL-38QB-0007 | Design | EGRT | Jacobs | 18-Jun-13 | 1 | 1 |
| 511325-00000-SWSL-38QB-0008 | Design | EGRT | RJC | 18-Jul-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0009 | Design | EGRT | Francel Architecture | 23-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0010 | Design | EGRT | Perkin + Will | 14-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0011 | Design | EGRT | Dialogue | 22-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0012 | Design | EGRT | AES | 24-Sep-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0013 | Design | EGRT | SNC Lavalin | 19-Dec-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0014 | Design | EGRT | SNC Lavalin | 30-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0015 | Design | EGRT | SNC Lavalin | 10-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0016 | Design | EGRT | SNC Lavalin | 06-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0017 | Design | EGRT | SNC Lavalin | 25-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0018 | Design | EGRT | SNC Lavalin | 27-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0019 | Design | EGRT | SNC Lavalin | 25-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0020 | Design | EGRT | Jacobs | 12-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0021 | Design | EGRT | MMM Group | 23-Sept-14 | 1 | 0 |
| 511325-00000-SWSL-38QB-0022 | Design | EGRT | SNCL Electrical | 27-Nov-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0023 | Design | EGRT | SNC Lavalin | 6-Feb-15 | 2 | 1 |

| | | | | | | |
|-----------------------------|---------------|------|--------------|------------|---|----|
| 511325-00000-SWSL-38QB-0025 | Design | EGRT | SLCW-SW | 5-Aug-15 | - | 1 |
| 511325-00000-SWSL-38QB-0026 | Design | EGRT | SLCW-SW | 2-Nov-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0101 | Environmental | EGRT | EGRT | 20-Aug-13 | 0 | 4 |
| 511325-00000-SWSL-38QB-0102 | Environmental | EGRT | SGJV | 13-Sep-13 | 1 | 14 |
| 511325-00000-SWSL-38QB-0103 | Environmental | EGRT | SLCW-GST | 03-Oct-13 | 0 | 11 |
| 511325-00000-SWSL-38QB-0104 | Environmental | EGRT | EGRT | 25-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0105 | Environmental | EGRT | SLCW-GST | 16-Jan-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0106 | Environmental | EGRT | SGJV | 04-Feb-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0107 | Environmental | EGRT | SLCW-EG | 07-Feb-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0108 | Environmental | EGRT | SSJV | 28-Feb-14 | 0 | 10 |
| 511325-00000-SWSL-38QB-0109 | Environmental | EGRT | EGRT | 11-Apr-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0110 | Environmental | EGRT | SLCW-GST | 6-May-14 | 0 | 2 |
| 511325-00000-SWSL-38QB-0111 | Environmental | EGRT | SGJV | 8-May-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0112 | Environmental | EGRT | SSJV | 24-Jun-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0113 | Environmental | EGRT | SLCW-EG | 8-Sept-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0114 | Environmental | EGRT | SLCW-GST | 25-Sept-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0115 | Environmental | EGRT | SGJV | 27-Oct-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0116 | Environmental | EGRT | SSJV | 9-Jan-15 | 0 | 1 |
| 511325-00000-SWSL-38QB-0117 | Environmental | EGRT | SLCW-GST | 30-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0118 | Environmental | EGRT | SGJV | 6-Mar-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0119 | Environmental | EGRT | SLCW-EG | 30-Apr-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0120 | Environmental | EGRT | SLCW-GST | 4-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0121 | Environmental | EGRT | SSJV | 26-Jun-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0122 | Environmental | EGRT | DBC | 24-Aug-15 | - | - |
| 511325-00000-SWSL-38QB-0123 | Environmental | EGRT | SSJV | 5-Nov-15 | 1 | 1 |
| 511325-00000-SWSL-38QB-0124 | Environmental | EGRT | SLCW-GST-TFO | 16-Apr-08 | 1 | 3 |
| 511325-00000-SWSL-38QB-0201 | Traffic | EGRT | SGJV | 04-Jun-13 | 0 | 2 |

| | | | | | | |
|-----------------------------|------------------|----------|---------------|-----------|---|---|
| 511325-00000-SWSL-38QB-0202 | Traffic | EGRT | SLCW-GST | 09-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0203 | Transit Facility | EGRT | SLCW-GST | 25-Sep-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0204 | Traffic | EGRT | SLCW-GST | 26-Sep-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0205 | Traffic | EGRT | SGJV | 13-Nov-13 | 2 | 1 |
| 511325-00000-SWSL-38QB-0206 | Transit Facility | EGRT | SLCW-GST | 22-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0207 | Transit Facility | EGRT | SLCW-GST | 09-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0208 | Traffic | EGRT | SLCW-GST | 23-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0209 | Transit Facility | EGRT | SLCW-GST | 20-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0210 | Traffic | EGRT | SLCW-EG | 12-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0211 | Traffic | EGRT | SLCW-EG | 13-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0212 | Traffic | EGRT | SSJV | 15-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0213 | Traffic | EGRT | SSJV | 15-Dec-15 | 1 | 0 |
| 511325-00000-SWSL-38QB-0214 | Traffic | EGRT | SLCW-GST | 23-Feb-16 | 0 | 0 |
| 511326-00000-SWSG-38QB-0301 | Construction | SGJV | SGJV | 30-May-13 | 0 | 3 |
| 511325-00000-SWSL-38QB-0302 | Construction | EGRT | EGRT | 13-Jun-13 | 0 | 3 |
| 511327-00000-SWSR-38QB-0303 | Construction | SLCW-EG | Armtec | 14-Jun-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0304 | Construction | SLCW-GST | SLCW-GST | 24-Jun-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0305 | Construction | SLCW-GST | SLCW-GST | 23-Jul-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0306 | Construction | SLCW-GST | Canron | 28-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0307 | Construction | SGJV | SGJV | 13-Aug-13 | 0 | 2 |
| 511326-00000-SWSG-38QB-0308 | Construction | SGJV | SGJV | 15-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0309 | Construction | SGJV | Pedre | 09-Aug-13 | 0 | 6 |
| 511326-00000-SWSG-38QB-0310 | Construction | SGJV | Armtec | 27-Sep-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0311 | Construction | SLCW-GST | Metro Testing | 03-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0312 | Construction | SGJV | SGJV | 25-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0313 | Construction | SGJV | SGJV | 14-Nov-13 | 0 | 0 |
| 511328-00000-SWSS-38QB-0314 | Construction | SSJV | SSJV | 08-Nov-13 | 1 | 3 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------------|-----------|---|----|
| 511414-00000-SWGS-38QB-0315 | Construction | SLCW-GST | SLCW-GST | 03-Dec-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0316 | Construction | SLCW-GST | SLCW-GST | 05-Dec-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0317 | Construction | SGJV | SGJV | 21-Nov-13 | 0 | 1 |
| 511327-00000-SWSR-38QB-0318 | Construction | SLCW-EG | Harris PT | 25-Nov-13 | 0 | 4 |
| 511327-00000-SWSR-38QB-0319 | Construction | SLCW-EG | SLCW-EG | 28-Nov-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0320 | Construction | SGJV | SGJV | 12-Dec-13 | 0 | 0 |
| 511327-00000-SWSR-38QB-0321 | Construction | SLCW-EG | SLCW-EG | 13-Jan-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0322 | Construction | SSJV | SSJV | 06-Dec-13 | 0 | 4 |
| 511326-00000-SWSG-38QB-0323 | Construction | SGJV | SGJV | 29-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0324 | Construction | SGJV | AGI | 4-Mar-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0325 | Construction | SSJV | SSJV | 21-Jan-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0326 | Construction | SSJV | SSJV | 28-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0327 | Construction | SGJV | SGJV | 25-Feb-14 | 0 | 3 |
| 511326-00000-SWSG-38QB-0328 | Construction | SGJV | Keller Pile Driving | 24-Apr-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0329 | Construction | SLCW-GST | Stasuk Testing & Inspection Ltd. | 12-Mar-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0030 | Construction | EGRT | SLCW-GST | 28-Mar-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0331 | Construction | SLCW-EG | SLCW-EG | 7-Mar-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0332 | Construction | SSJV | APS | 20-Mar-14 | 0 | 15 |
| 511326-00000-SWSG-38QB-0333 | Construction | SGJV | SGJV | 25-Apr-14 | 0 | 3 |
| 511414-00000-SWGS-38QB-0334 | Construction | SLCW-GST | AMEC | 15-Apr-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0335 | Construction | SLCW-GST | Armtec | 16-May-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0336 | Construction | SGJV | SGJV | 19-Jun-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0337 | Construction | SLCW-EG | SLCW-EG | 20-Jun-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0338 | Construction | SLCW-EG | SLCW-EG | 26-Jun-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0339 | Construction | DBC | SLCW-GST | 8-Jul-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0340 | Construction | SLCW-SW | SLCW-SW | 24-Jul-14 | 0 | 0 |

| | | | | | | |
|-----------------------------|--------------|----------|-----------------------------|------------|---|---|
| 511414-00000-SWGS-38QB-0341 | Construction | SLCW-GST | Surespan | 12-Aug-14 | 0 | 2 |
| 511327-00000-SWSR-38QB-0342 | Construction | SLCW-EG | Harris-PT | 31-Jul-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0343 | Construction | SGJV | SGJV | 12-Aug-14 | 0 | 3 |
| 511414-00000-SWSG-38QB-0344 | Construction | SLCW-GST | SLCW-GST | 19-Aug-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0345 | Construction | SLCW-SW | Prime Engineering | 9-Oct-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0346 | Construction | SLCW-EG | Metro Testing Ltd. | 10-Oct-14 | 1 | 3 |
| 511328-00000-SWSS-38QB-0347 | Construction | SSJV | SSJV | 23-Sept-14 | 0 | 6 |
| 511414-00000-SWGS-38QB-0348 | Construction | SLCW-GST | LMS Reinforcing Steel Group | 07-Oct-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0349 | Construction | SLCW-GST | SLCW-GST | 15-Oct-14 | 1 | 0 |
| 511328-00000-SWSS-38QB-0350 | Construction | SSJV | SSJV | 21-Oct-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0351 | Construction | DBC | SLCW-GST | 7-Nov-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0352 | Construction | SSJV | APS | 6-Nov-14 | 0 | 8 |
| 511326-00000-SWSG-38QB-0353 | Construction | SGJV | SGJV | 7-Nov-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0354 | Construction | SGJV | Harris Rebar | 22-Oct-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0355 | Construction | SSJV | SSJV | 4-Nov-14 | 0 | 8 |
| 511325-00000-SWSL-38QB-0356 | Construction | DBC | SLCW-GST | 28-Nov-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0357 | Construction | SLCW-GST | SLCW-GST | 05-Dec-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0358 | Construction | SLCW-EG | SLCW-EG | 20-Nov-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0359 | Construction | SSJV | SSJV | 14-Nov-14 | 0 | 5 |
| 511414-00000-SWGS-38QB-0360 | Construction | SLCW-GST | SLCW-GST | 28-Nov-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0361 | Construction | SLCW-SW | SLCW-SW | 09-Dec-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0362 | Construction | SGJV | SGJV | 12-Dec-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0363 | Construction | SLCW-SW | SLCW-SW | 22-May-15 | 0 | 1 |
| 511414-00000-SWSW-38QB-0364 | Construction | SLCW-SW | WPE | 22-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0365 | Construction | SLCW-GST | Western Archib | 10-Feb-15 | 0 | 2 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------|-----------|---|---|
| 511414-00000-SWGS-38QB-0366 | Construction | SLCW-GST | Pattison Sign Group | 18-Feb-15 | 0 | 1 |
| 511327-00000-SWSR-38QB-0367 | Construction | SLCW-EG | SLCW-EG | 16-Feb-15 | 0 | 0 |
| 511326-00000-SWSG-38QB-0368 | Construction | SGJV | SGJV | 5-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0369 | Construction | DBC | SLCW-GST | 16-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0370 | Construction | SLCW-GST | Acuren Group Inc | 8-Apr-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0371 | Construction | SLCW-GST | SLCW-GST | 24-Apr-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0372 | Construction | SLCW-GST | Metro Testing Laboratories | 29-Apr-15 | 0 | 0 |
| 511328-00000-SWSS-38QB-0373 | Construction | SLCW-GST | SLCW-GST | 5-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0374 | Construction | SLCW-GST | Houle Electric | 28-Aug-15 | 0 | 2 |
| 511328-00000-SWSS-38QB-0375 | Construction | SSJV | SSJV | 22-Apr-15 | 0 | 2 |
| 511327-00000-SWSR-38QB-0376 | Construction | SLCW-EG | SLCW-EG | 13-Jul-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0377 | Construction | DBC | SLCW-GST | 2-Jun-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0378 | Construction | SLCW-GST | Flynn Canada Ltd | 16-Jul-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0379 | Construction | DBC | SLCW-GST | 6-Aug-15 | - | 2 |
| 511414-00000-SWGS-38QB-0380 | Construction | SLCW-GST | SLCW-GST | 22-Dec-15 | 0 | 2 |
| 511414-00000-SWGS-38QB-0381 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0382 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWSW-38QB-0383 | Construction | SLCW-SW | WPE | 4-Dec-15 | - | - |
| 511414-00000-SWSW-38QB-0384 | Construction | SLCW-SW | Thales | 27-Nov-15 | - | 1 |
| 511414-00000-SWGS-38QB-0385 | Construction | SLCW-GST | SLCW-GST | 28-Jan-16 | 0 | 0 |
| 511414-00000-SWSW-38QB-0386 | Construction | SLCW-SW | SLCW-SW | 26-Jan-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0387 | Construction | SLCW-GST | SLCW-GST | 11-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0388 | Construction | SLCW-GST | SLCW-GST | 16-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0389 | Construction | SLCW-GST | WPE | 19-Feb-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0390 | Construction | DBC | SLCW-SW | 26-Feb-16 | 0 | 0 |

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|-----------------------------|--------------|----------|----------|-----------|---|---|
| 511328-00000-SWSS-38QB-0391 | Construction | DBC | SSJV | 3-Mar-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0392 | Construction | SLCW-GST | SLCW-GST | 17-Mar-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0393 | Construction | EGRT | SLCW-SW | 16-Apr-08 | 0 | 0 |
| 511325-00000-SWSL-38QB-0394 | Construction | DBC | SLCW-GST | 19-Apr-16 | 0 | 0 |

ATTACHMENT G

Four Month Look Ahead
Audit Schedule

DISCONTINUED
See Section 8.2

Attachment H

Table 3 – Quality Audits

| Audit Report Number | Discipline | Auditor | Auditee | Audit Date | NCR's Raised | OFI's Raised |
|-----------------------------|------------|---------|----------------------|------------|--------------|--------------|
| 511325-00000-SWSL-38QB-0001 | Design | EGRT | SNC Lavalin | 23-Apr-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0002 | Design | EGRT | SNC Lavalin | 03-May-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0003 | Design | EGRT | IBT | 11-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0004 | Design | EGRT | MMM | 06-Jun-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0005 | Design | EGRT | EBA | 04-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0006 | Design | EGRT | Fast+Epp | 25-Jun-13 | 1 | 0 |
| 511325-00000-SWSL-38QB-0007 | Design | EGRT | Jacobs | 18-Jun-13 | 1 | 1 |
| 511325-00000-SWSL-38QB-0008 | Design | EGRT | RJC | 18-Jul-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0009 | Design | EGRT | Francel Architecture | 23-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0010 | Design | EGRT | Perkin + Will | 14-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0011 | Design | EGRT | Dialogue | 22-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0012 | Design | EGRT | AES | 24-Sep-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0013 | Design | EGRT | SNC Lavalin | 19-Dec-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0014 | Design | EGRT | SNC Lavalin | 30-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0015 | Design | EGRT | SNC Lavalin | 10-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0016 | Design | EGRT | SNC Lavalin | 06-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0017 | Design | EGRT | SNC Lavalin | 25-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0018 | Design | EGRT | SNC Lavalin | 27-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0019 | Design | EGRT | SNC Lavalin | 25-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0020 | Design | EGRT | Jacobs | 12-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0021 | Design | EGRT | MMM Group | 23-Sept-14 | 1 | 0 |
| 511325-00000-SWSL-38QB-0022 | Design | EGRT | SNCL Electrical | 27-Nov-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0023 | Design | EGRT | SNC Lavalin | 6-Feb-15 | 2 | 1 |

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|-----------------------------|---------------|------|--------------|------------|---|----|
| 511325-00000-SWSL-38QB-0025 | Design | EGRT | SLCW-SW | 5-Aug-15 | - | 1 |
| 511325-00000-SWSL-38QB-0026 | Design | EGRT | SLCW-SW | 2-Nov-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0101 | Environmental | EGRT | EGRT | 20-Aug-13 | 0 | 4 |
| 511325-00000-SWSL-38QB-0102 | Environmental | EGRT | SGJV | 13-Sep-13 | 1 | 14 |
| 511325-00000-SWSL-38QB-0103 | Environmental | EGRT | SLCW-GST | 03-Oct-13 | 0 | 11 |
| 511325-00000-SWSL-38QB-0104 | Environmental | EGRT | EGRT | 25-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0105 | Environmental | EGRT | SLCW-GST | 16-Jan-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0106 | Environmental | EGRT | SGJV | 04-Feb-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0107 | Environmental | EGRT | SLCW-EG | 07-Feb-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0108 | Environmental | EGRT | SSJV | 28-Feb-14 | 0 | 10 |
| 511325-00000-SWSL-38QB-0109 | Environmental | EGRT | EGRT | 11-Apr-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0110 | Environmental | EGRT | SLCW-GST | 6-May-14 | 0 | 2 |
| 511325-00000-SWSL-38QB-0111 | Environmental | EGRT | SGJV | 8-May-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0112 | Environmental | EGRT | SSJV | 24-Jun-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0113 | Environmental | EGRT | SLCW-EG | 8-Sept-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0114 | Environmental | EGRT | SLCW-GST | 25-Sept-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0115 | Environmental | EGRT | SGJV | 27-Oct-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0116 | Environmental | EGRT | SSJV | 9-Jan-15 | 0 | 1 |
| 511325-00000-SWSL-38QB-0117 | Environmental | EGRT | SLCW-GST | 30-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0118 | Environmental | EGRT | SGJV | 6-Mar-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0119 | Environmental | EGRT | SLCW-EG | 30-Apr-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0120 | Environmental | EGRT | SLCW-GST | 4-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0121 | Environmental | EGRT | SSJV | 26-Jun-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0122 | Environmental | EGRT | DBC | 24-Aug-15 | - | - |
| 511325-00000-SWSL-38QB-0123 | Environmental | EGRT | SSJV | 5-Nov-15 | 1 | 1 |
| 511325-00000-SWSL-38QB-0124 | Environmental | EGRT | SLCW-GST-TFO | 16-Apr-08 | 1 | 3 |
| 511325-00000-SWSL-38QB-0201 | Traffic | EGRT | SGJV | 04-Jun-13 | 0 | 2 |

| | | | | | | |
|-----------------------------|------------------|----------|---------------|-----------|---|---|
| 511325-00000-SWSL-38QB-0202 | Traffic | EGRT | SLCW-GST | 09-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0203 | Transit Facility | EGRT | SLCW-GST | 25-Sep-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0204 | Traffic | EGRT | SLCW-GST | 26-Sep-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0205 | Traffic | EGRT | SGJV | 13-Nov-13 | 2 | 1 |
| 511325-00000-SWSL-38QB-0206 | Transit Facility | EGRT | SLCW-GST | 22-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0207 | Transit Facility | EGRT | SLCW-GST | 09-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0208 | Traffic | EGRT | SLCW-GST | 23-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0209 | Transit Facility | EGRT | SLCW-GST | 20-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0210 | Traffic | EGRT | SLCW-EG | 12-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0211 | Traffic | EGRT | SLCW-EG | 13-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0212 | Traffic | EGRT | SSJV | 15-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0213 | Traffic | EGRT | SSJV | 15-Dec-15 | 1 | 0 |
| 511325-00000-SWSL-38QB-0214 | Traffic | EGRT | SLCW-GST | 23-Feb-16 | 0 | 0 |
| 511326-00000-SWSG-38QB-0301 | Construction | SGJV | SGJV | 30-May-13 | 0 | 3 |
| 511325-00000-SWSL-38QB-0302 | Construction | EGRT | EGRT | 13-Jun-13 | 0 | 3 |
| 511327-00000-SWSR-38QB-0303 | Construction | SLCW-EG | Armtec | 14-Jun-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0304 | Construction | SLCW-GST | SLCW-GST | 24-Jun-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0305 | Construction | SLCW-GST | SLCW-GST | 23-Jul-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0306 | Construction | SLCW-GST | Canron | 28-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0307 | Construction | SGJV | SGJV | 13-Aug-13 | 0 | 2 |
| 511326-00000-SWSG-38QB-0308 | Construction | SGJV | SGJV | 15-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0309 | Construction | SGJV | Pedre | 09-Aug-13 | 0 | 6 |
| 511326-00000-SWSG-38QB-0310 | Construction | SGJV | Armtec | 27-Sep-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0311 | Construction | SLCW-GST | Metro Testing | 03-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0312 | Construction | SGJV | SGJV | 25-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0313 | Construction | SGJV | SGJV | 14-Nov-13 | 0 | 0 |
| 511328-00000-SWSS-38QB-0314 | Construction | SSJV | SSJV | 08-Nov-13 | 1 | 3 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------------|-----------|---|----|
| 511414-00000-SWGS-38QB-0315 | Construction | SLCW-GST | SLCW-GST | 03-Dec-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0316 | Construction | SLCW-GST | SLCW-GST | 05-Dec-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0317 | Construction | SGJV | SGJV | 21-Nov-13 | 0 | 1 |
| 511327-00000-SWSR-38QB-0318 | Construction | SLCW-EG | Harris PT | 25-Nov-13 | 0 | 4 |
| 511327-00000-SWSR-38QB-0319 | Construction | SLCW-EG | SLCW-EG | 28-Nov-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0320 | Construction | SGJV | SGJV | 12-Dec-13 | 0 | 0 |
| 511327-00000-SWSR-38QB-0321 | Construction | SLCW-EG | SLCW-EG | 13-Jan-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0322 | Construction | SSJV | SSJV | 06-Dec-13 | 0 | 4 |
| 511326-00000-SWSG-38QB-0323 | Construction | SGJV | SGJV | 29-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0324 | Construction | SGJV | AGI | 4-Mar-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0325 | Construction | SSJV | SSJV | 21-Jan-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0326 | Construction | SSJV | SSJV | 28-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0327 | Construction | SGJV | SGJV | 25-Feb-14 | 0 | 3 |
| 511326-00000-SWSG-38QB-0328 | Construction | SGJV | Keller Pile Driving | 24-Apr-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0329 | Construction | SLCW-GST | Stasuk Testing & Inspection Ltd. | 12-Mar-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0030 | Construction | EGRT | SLCW-GST | 28-Mar-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0331 | Construction | SLCW-EG | SLCW-EG | 7-Mar-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0332 | Construction | SSJV | APS | 20-Mar-14 | 0 | 15 |
| 511326-00000-SWSG-38QB-0333 | Construction | SGJV | SGJV | 25-Apr-14 | 0 | 3 |
| 511414-00000-SWGS-38QB-0334 | Construction | SLCW-GST | AMEC | 15-Apr-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0335 | Construction | SLCW-GST | Armtec | 16-May-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0336 | Construction | SGJV | SGJV | 19-Jun-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0337 | Construction | SLCW-EG | SLCW-EG | 20-Jun-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0338 | Construction | SLCW-EG | SLCW-EG | 26-Jun-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0339 | Construction | DBC | SLCW-GST | 8-Jul-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0340 | Construction | SLCW-SW | SLCW-SW | 24-Jul-14 | 0 | 0 |

| | | | | | | |
|-----------------------------|--------------|----------|-----------------------------|------------|---|---|
| 511414-00000-SWGS-38QB-0341 | Construction | SLCW-GST | Surespan | 12-Aug-14 | 0 | 2 |
| 511327-00000-SWSR-38QB-0342 | Construction | SLCW-EG | Harris-PT | 31-Jul-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0343 | Construction | SGJV | SGJV | 12-Aug-14 | 0 | 3 |
| 511414-00000-SWSG-38QB-0344 | Construction | SLCW-GST | SLCW-GST | 19-Aug-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0345 | Construction | SLCW-SW | Prime Engineering | 9-Oct-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0346 | Construction | SLCW-EG | Metro Testing Ltd. | 10-Oct-14 | 1 | 3 |
| 511328-00000-SWSS-38QB-0347 | Construction | SSJV | SSJV | 23-Sept-14 | 0 | 6 |
| 511414-00000-SWGS-38QB-0348 | Construction | SLCW-GST | LMS Reinforcing Steel Group | 07-Oct-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0349 | Construction | SLCW-GST | SLCW-GST | 15-Oct-14 | 1 | 0 |
| 511328-00000-SWSS-38QB-0350 | Construction | SSJV | SSJV | 21-Oct-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0351 | Construction | DBC | SLCW-GST | 7-Nov-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0352 | Construction | SSJV | APS | 6-Nov-14 | 0 | 8 |
| 511326-00000-SWSG-38QB-0353 | Construction | SGJV | SGJV | 7-Nov-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0354 | Construction | SGJV | Harris Rebar | 22-Oct-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0355 | Construction | SSJV | SSJV | 4-Nov-14 | 0 | 8 |
| 511325-00000-SWSL-38QB-0356 | Construction | DBC | SLCW-GST | 28-Nov-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0357 | Construction | SLCW-GST | SLCW-GST | 05-Dec-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0358 | Construction | SLCW-EG | SLCW-EG | 20-Nov-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0359 | Construction | SSJV | SSJV | 14-Nov-14 | 0 | 5 |
| 511414-00000-SWGS-38QB-0360 | Construction | SLCW-GST | SLCW-GST | 28-Nov-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0361 | Construction | SLCW-SW | SLCW-SW | 09-Dec-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0362 | Construction | SGJV | SGJV | 12-Dec-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0363 | Construction | SLCW-SW | SLCW-SW | 22-May-15 | 0 | 1 |
| 511414-00000-SWSW-38QB-0364 | Construction | SLCW-SW | WPE | 22-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0365 | Construction | SLCW-GST | Western Archib | 10-Feb-15 | 0 | 2 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------|-----------|---|---|
| 511414-00000-SWGS-38QB-0366 | Construction | SLCW-GST | Pattison Sign Group | 18-Feb-15 | 0 | 1 |
| 511327-00000-SWSR-38QB-0367 | Construction | SLCW-EG | SLCW-EG | 16-Feb-15 | 0 | 0 |
| 511326-00000-SWSG-38QB-0368 | Construction | SGJV | SGJV | 5-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0369 | Construction | DBC | SLCW-GST | 16-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0370 | Construction | SLCW-GST | Acuren Group Inc | 8-Apr-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0371 | Construction | SLCW-GST | SLCW-GST | 24-Apr-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0372 | Construction | SLCW-GST | Metro Testing Laboratories | 29-Apr-15 | 0 | 0 |
| 511328-00000-SWSS-38QB-0373 | Construction | SLCW-GST | SLCW-GST | 5-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0374 | Construction | SLCW-GST | Houle Electric | 28-Aug-15 | 0 | 2 |
| 511328-00000-SWSS-38QB-0375 | Construction | SSJV | SSJV | 22-Apr-15 | 0 | 2 |
| 511327-00000-SWSR-38QB-0376 | Construction | SLCW-EG | SLCW-EG | 13-Jul-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0377 | Construction | DBC | SLCW-GST | 2-Jun-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0378 | Construction | SLCW-GST | Flynn Canada Ltd | 16-Jul-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0379 | Construction | DBC | SLCW-GST | 6-Aug-15 | - | 2 |
| 511414-00000-SWGS-38QB-0380 | Construction | SLCW-GST | SLCW-GST | 22-Dec-15 | 0 | 2 |
| 511414-00000-SWGS-38QB-0381 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0382 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWSW-38QB-0383 | Construction | SLCW-SW | WPE | 4-Dec-15 | - | - |
| 511414-00000-SWSW-38QB-0384 | Construction | SLCW-SW | Thales | 27-Nov-15 | - | 1 |
| 511414-00000-SWGS-38QB-0385 | Construction | SLCW-GST | SLCW-GST | 28-Jan-16 | 0 | 0 |
| 511414-00000-SWSW-38QB-0386 | Construction | SLCW-SW | SLCW-SW | 26-Jan-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0387 | Construction | SLCW-GST | SLCW-GST | 11-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0388 | Construction | SLCW-GST | SLCW-GST | 16-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0389 | Construction | SLCW-GST | WPE | 19-Feb-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0390 | Construction | DBC | SLCW-SW | 26-Feb-16 | 0 | 0 |

| | | | | | | |
|-----------------------------|--------------|----------|----------|-----------|---|---|
| 511328-00000-SWSS-38QB-0391 | Construction | DBC | SSJV | 3-Mar-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0392 | Construction | SLCW-GST | SLCW-GST | 17-Mar-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0393 | Construction | EGRT | SLCW-SW | 16-Apr-08 | 0 | 0 |
| 511325-00000-SWSL-38QB-0394 | Construction | DBC | SLCW-GST | 19-Apr-16 | 0 | 0 |



EVERGREEN LINE
RAPID TRANSIT PROJECT

MONTH END REPORT
AUGUST 2016

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Name

Signature

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Date: 16/09/08

TABLE OF CONTENTS

| | |
|---|-----------|
| 1.0 Progress Overview | 5 |
| 1.1 Summary of Issues..... | 5 |
| 2.0 Design and Construction - Progress Against Project Schedule | 7 |
| 2.1 Summary of Construction Events – By Segment | 7 |
| 2.2 Major Project Milestones | 8 |
| 2.3 Project-Wide..... | 8 |
| 2.3.1 Design | 8 |
| 2.3.2 Changes to the EGRT Project Schedule..... | 9 |
| 2.3.3 Activity Changes..... | 9 |
| 2.3.4 Logic Changes..... | 9 |
| 2.3.5 Critical Path | 9 |
| 2.3.6 Schedule Impacts | 9 |
| 2.4 Passenger Stations | 9 |
| 2.5 Other Fixed Facilities | 9 |
| 2.6 Alignment | 10 |
| 2.6.1 Segment 1 – Elevated Guideway / Loughheed Special Structure / South Portal Approach..... | 10 |
| 2.6.2 Segment 2 – South Portal / Bored Tunnel / North Portal | 10 |
| 2.6.3 Segment 3 – Reichhold Special Structure / At-Grade Guideway..... | 10 |
| 2.6.4 Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam | 10 |
| 2.6.5 Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures | 10 |
| 2.7 Trackwork..... | 11 |
| 2.7.1 Special Trackwork:..... | 11 |
| 2.7.2 Mainline Trackwork: | 11 |
| 2.7.3 LIM Rail | 11 |
| 2.7.4 Power Rail | 11 |
| 2.7.5 Walkway | 11 |
| 2.8 Systems..... | 11 |
| 2.8.1 Systems General | 11 |

| | | |
|-------------|--|-----------|
| 2.8.2 | Power Supply and Distribution | 12 |
| 2.8.3 | Signalling / ATC..... | 12 |
| 2.8.4 | Communications, SCADA, FLSS and WMS | 12 |
| 2.8.5 | Tunnel Ventilation Systems and Stand Pipe System | 12 |
| 2.8.6 | Design for BC Hydro Related Works..... | 12 |
| 2.8.7 | Testing and Commissioning Planning and Procedures | 12 |
| 2.8.8 | Systems Procurement | 12 |
| 2.8.9 | Warranty and Training..... | 13 |
| 2.8.10 | Spare Parts..... | 13 |
| 2.8.11 | Construction | 13 |
| 2.9 | Testing and Commissioning..... | 14 |
| 2.9.1 | Progress Overview | 14 |
| 2.9.2 | Submissions | 15 |
| 2.9.3 | Beneficial Occupancy | 15 |
| 2.9.4 | Summary of Issues This Month..... | 16 |
| 2.9.5 | Changes Since Last Month | 16 |
| 2.10 | Conclusion | 16 |
| 3.0 | Environmental Management..... | 17 |
| 3.1 | Permitting Status | 17 |
| 3.2 | Environmental Management Summary..... | 17 |
| 3.3 | Environmental Submittals to Province | 18 |
| 3.4 | Amendment To Environmental Assessment Certificate | 18 |
| 3.5 | Environmental Review of Design | 19 |
| 3.6 | Environmental Management of Construction | 19 |
| 3.7 | Environmental Incidents | 19 |
| 3.8 | Environmental Inspection..... | 19 |
| 3.9 | Compliance Summary | 20 |
| 4.0 | Communications and Community Relations..... | 21 |

| | | |
|------------|--|-----------|
| 4.1 | Traffic Management Communications..... | 21 |
| 4.2 | Public Consultation | 21 |
| 4.3 | Media Relations | 21 |
| 5.0 | First Nation Engagement | 22 |
| 5.1 | Performance Overview by Sub-contractor | 22 |
| 5.2 | Bid Report – Procurement Opportunities & Awards Detailed..... | 23 |
| 6.0 | Health and Safety..... | 29 |
| 6.1 | Summary of Safety Activities | 29 |
| 7.0 | Financial | 31 |
| 7.1 | Performance Incentive Payments | 31 |
| 7.2 | Milestone Payments | 31 |
| 7.3 | Change Management..... | 31 |
| 7.4 | Risk Management | 31 |
| 8.0 | Quality Assurance | 32 |
| 8.1 | Status of Quality Management System Activities..... | 32 |
| 8.2 | Audit Programme..... | 32 |
| 8.3 | Preventative Action Log..... | 33 |
| 8.4 | Summary of Inspection and Testing Activities | 34 |
| 8.4.1 | DBC | 34 |
| 8.4.2 | SLCW-GST..... | 34 |
| 8.4.3 | SLCW-SW | 34 |
| 8.5 | Nonconformity Reports and Corrective Action..... | 34 |
| 8.6 | Continual Improvement Initiatives | 35 |
| 9.0 | Project Photographs | 36 |

DISCLAIMER NOTE:

Nothing in this report constitutes a formal notice of claim by the Primary Contractor under its Agreement with the Province, including without limitation notice of claim arising from Supervening Event or Province Change.

1.0 PROGRESS OVERVIEW

This report covers project progress for the month of August 2016 (Payment Period 44). Design and construction progress is summarized below:

Project Summary:

Scope: 11 km of guideway, 6 new stations, 1 expanded station, 1 tunnel

Owner: Province of British Columbia / Translink

Physical Progress:

With the exception of the tunnel, all other areas of the project reached substantial completion by 29 February 2016 in accordance with the original schedule.

Overall 99% complete; working on 8 fronts; 44 months into the 46 month construction schedule.

Manpower: approximately 175 management and 525 craft labour.

Design

Overall design is 100% complete

Construction

- Segment 1: Testing & Commissioning near completion
- Segment 2: Mainline Track, LIM and Power Rail now 100% Complete
- Segment 3: Testing & Commissioning Continues
- Segment 4: Testing & Commissioning Continues
- Segment 5: Testing & Commissioning Continues
- Stations: All stations are complete, only deficiencies remain.

1.1 SUMMARY OF ISSUES

Overall Schedule: an overall schedule update was conducted in April 2016 and results in a Substantial Completion date of 31 October 2016. This represents an 8 month extension from the baseline schedule. These 8 months are attributed as follows:

- 9 months for delays to tunnel excavation
- 1 month gain for tunnel finishes

The new Substantial Completion date of 31 October 2016 is 3 months later than the Substantial Completion Target Date in the Project Agreement. EGRT continues to assess the schedule and will mitigate impacts to the fullest extent possible.

The month of August 2016 showed good progress in tunnel finishes and gains in schedule were maintained.

2.0 DESIGN AND CONSTRUCTION - PROGRESS AGAINST PROJECT SCHEDULE

2.1 SUMMARY OF CONSTRUCTION EVENTS – BY SEGMENT

| Segment | Name | Total | Previous to Date | Progress This Month | Total to Date |
|---------|-----------------------------|-------|------------------|---------------------|---------------|
| 1 | Caissons | 64 | 64 | Complete | 64 |
| | Columns | 63 | 63 | Complete | 63 |
| | Spans | 57 | 57 | Complete | 57 |
| | Trackwork Installed | 4524 | 4524 | Complete | 4524 |
| | Walkways Installed | 4683 | 4683 | Complete | 4683 |
| | LIM Rail Installed | 4524 | 4524 | Complete | 4524 |
| | Power Rail Installed | 4524 | 4524 | Complete | 4524 |
| 2 | Meters of Tunnel Excavation | 1944 | 1944 | Complete | 1944 |
| | Infll Material Placed | 23477 | 23477 | Complete | 23477 |
| | Concrete Slab Poured | 4127 | 4127 | Complete | 4127 |
| | Trackwork Installed | 5540 | 5540 | Complete | 5540 |
| | Walkways Installed | 5540 | 4891 | 372 | 5263 |
| | LIM Rail Installed | 5540 | 4134 | 1406 | 5540 |
| | Power Rail Installed | 5540 | 3285 | 2255 | 5540 |
| 3 | Number of SMX Columns | 1826 | 1826 | Complete | 1826 |
| | Meters of Track Slab | 3725 | 3725 | Complete | 3725 |
| | Trackwork Installed | 3964 | 3964 | Complete | 3964 |
| | Walkways Installed | 3964 | 3964 | Complete | 3964 |
| | LIM Rail Installed | 3964 | 3964 | Complete | 3964 |
| | Power Rail Installed | 3964 | 3964 | Complete | 3964 |
| 4 | Number of Timber Piles | 6345 | 6345 | Complete | 6345 |
| | Meters of Track Slab | 2112 | 2112 | Complete | 2112 |
| | Trackwork Installed | 5282 | 5282 | Complete | 5282 |
| | Walkways Installed | 5282 | 5282 | Complete | 5282 |
| | LIM Rail Installed | 5282 | 5282 | Complete | 5282 |
| | Power Rail Installed | 5282 | 5282 | Complete | 5282 |
| 5 | Piles/Caissons | 73 | 73 | Complete | 73 |
| | Columns | 73 | 73 | Complete | 73 |
| | Spans | 52 | 52 | Complete | 52 |
| | Trackwork Installed | 3315 | 3315 | Complete | 3315 |
| | Walkways Installed | 3315 | 3315 | Complete | 3315 |
| | LIM Rail Installed | 3315 | 3315 | Complete | 3315 |
| | Power Rail Installed | 3315 | 3315 | Complete | 3315 |

| Segment | PPS Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
|---------|---------------------------|-----------|------------------|---------------------|---------------|
| 1 | LHZ | 100 | 100 | Complete | 100 |
| | BQZ | 100 | 100 | Complete | 100 |
| 3 | NPZ | 100 | 100 | Complete | 100 |
| 4 | FCZ | 100 | 100 | Complete | 100 |
| 5 | LAZ | 100 | 100 | Complete | 100 |
| Segment | Station Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
| 1 | Lougheed Station | 100 | 100 | Complete | 100 |
| | Burquitlam Station | 100 | 100 | Complete | 100 |
| 3 | Port Moody Station | 100 | 100 | Complete | 100 |
| 4 | Inlet Centre Station | 100 | 100 | Complete | 100 |
| 5 | Coquitlam Central Station | 100 | 100 | Complete | 100 |
| | Lincoln Station | 100 | 100 | Complete | 100 |
| | Douglas/Lafarge Station | 100 | 100 | Complete | 100 |

2.2 MAJOR PROJECT MILESTONES

The schedule progress occurring for the period from July 25th to August 25th has a revised Anticipated Substantial Completion date of October 31st, 2016 from the past months progress.

| Milestone | Dec 12, 2012 Baseline | Aug 25, 2016 Progress Update | Δ (Business Days) |
|--|--------------------------|------------------------------------|-------------------------|
| Substantial Completion Target | 29-Jul-16 | 31-Oct-16 | -63 |
| Service Commencement Target | 30-Aug-16 | 30-Nov-16 | -63 |
| Total Completion Target | 31-Oct-16 | 31-Jan-17 | -62 |
| Availability Demonstration Completion Target | 30-Aug-17 | 29-Nov-17 | n/a |
| TIDS Performance Demonstration Completion Target | 30-Aug-17 | 29-Nov-17 | n/a |

2.3 PROJECT-WIDE

2.3.1 Design

Design is substantially complete. Design progress can be seen under the Design and Engineering Section of the ELRT Project Schedule Update (DD.25AUG2016).

2.3.2 Changes to the EGRT Project Schedule

No major changes were made to the project schedule.

2.3.3 Activity Changes

No major activity changes were made to the project schedule.

2.3.4 Logic Changes

No major changes were made to the project schedule.

2.3.5 Critical Path

The critical path is determined by activities that have 14 or less days of float. The critical path continues to pass through the tunnel activities.

The critical path is as follows: center walkway, and system-wide cabling before the start of testing and commissioning in Test Zone 2.

To date, the tunnel fit out activities are substantially completed excluding the center walkway lids, and the installation of the cross passage doors. These completed activities, reflected in the latest Progress Update Schedule, are: design and approvals for the north tunnel approach, utility relocations, construction of the north tunnel approach, TBM pit and assembly of the TBM, Tunnel Boring, TBM Breakthrough, demob of the TBM at the south portal, Tunnel Infill, the South Portal Invert Slab, the tunnel track slab, tunnel center fire wall, inbound and outbound mainline track, power rail, and LIM rail.

2.3.6 Schedule Impacts

Test Zone 2 has been impacted due to the delay of the tunnel breakthrough which occurred on November 27th, 2015. The tunnel fit out works are substantially complete. Tunnel systems installation is scheduled to be completed by early September. The remaining works will be monitored closely and tracked against the currently shown project completion date of October 31st, 2016.

Other activities discussed in this report are monitored for potential impact or delays due to the overall EGRT Project Schedule.

2.4 PASSENGER STATIONS

All seven of the stations on the Evergreen Line are substantially completed.

2.5 OTHER FIXED FACILITIES

All five of the Propulsion Power Stations and the VSF Yard on the Evergreen Line are substantially completed.

2.6 ALIGNMENT

2.6.1 Segment 1 – Elevated Guideway / Lougheed Special Structure / South Portal Approach

Segment 1 is substantially completed.

2.6.2 Segment 2 – South Portal / Bored Tunnel / North Portal

| Area | Design / Construction / Procurement |
|--|--|
| Segment Wide | |
| Sec 210 Cut and Cover South Portal | <ul style="list-style-type: none"> Formed and poured portal chamfers. Installed south portal sump pump, line, heat trace, and insulation. Placed precast lids. Placed exterior waterproofing. Backfilled roof. |
| Sec 220 TBM Tunnel | <ul style="list-style-type: none"> Completed outbound installation of LIM rail. Completed outbound installation of power rail. Completed installation of cross passage doors. Commenced with precast lid installation. |
| Sec 230 Cut and Cover Tunnel North | <ul style="list-style-type: none"> Formed and poured portal roof. Formed and poured portal chamfers. Placed precast lids. Placed exterior waterproofing. Placed remaining power rail. Commenced with north portal restoration works. |

2.6.3 Segment 3 – Reichhold Special Structure / At-Grade Guideway

Segment 3 is substantially completed.

2.6.4 Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam

Segment 4 is substantially completed.

2.6.5 Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures

Segment 5 is substantially completed.

2.7 TRACKWORK

2.7.1 Special Trackwork:

Special Trackwork is substantially completed.

2.7.2 Mainline Trackwork:

Mainline Trackwork is substantially completed.

2.7.3 LIM Rail

LIM rail installation is substantially completed.

2.7.4 Power Rail

Power rail installation is substantially completed. Coverboard delivery and installation for segment 3 due to the province change is scheduled to be completed by mid September.

2.7.5 Walkway

Precast walkway lids are scheduled to be completed by August 31st in the tunnel.

2.8 SYSTEMS

2.8.1 Systems General

2.8.1.1 Subsystem Design

The FDR process is complete with outstanding SFDR action items being addressed.

2.8.1.2 Installation Design

The installation design is substantially completed.

2.8.1.3 Interface Design

VSF Interface design: Thales has been provided with the details of an interface issue with respect to the buffer stops and working to implement a software change to address this in September.

Tunnel Interface design: Weekly coordination meetings are being fully supported by SLCW-SW. A South portal drainage sump has been incorporated. Electrical designs are nearly complete.

2.8.1.4 Contractual Plan Submissions

A list of required plans and managerial documents are required in Appendix G of the Project Agreement (Systems General Requirements), and the DBC hosts a monthly meeting to coordinate the delivery of this documentation. The progress of these plans is updated monthly and issued to the Client by the DBC.

2.8.2 Power Supply and Distribution

PS&D FDR Packages have all been submitted to the Client.

2.8.3 Signalling / ATC

The signalling/ATC design process is substantially complete.

2.8.4 Communications, SCADA, FLSS and WMS

All FDR submissions are complete.

Design Packages planned for Province Review in September 2016:

- Reichhold Alarm Tie-in

2.8.5 Tunnel Ventilation Systems and Stand Pipe System

The Tunnel Ventilation SFDR process is complete.

2.8.6 Design for BC Hydro Related Works

All BC Hydro Related Works are complete.

2.8.7 Testing and Commissioning Planning and Procedures

The Systems Test Plan defined the Systems Integration Board. The Board is a joint Systems, T&C, and TransLink task group which will review test plans and schedules, and coordinate cutovers and configuration changes. This group commenced meetings in January 2015.

The Systems Cutover Plan has been updated in response to Client questions, and detailed planning of the cutover process will continue via the FMI log, which tracks configuration changes, and the T&C & Cutover schedule.

2.8.8 Systems Procurement

The following packages were issued out for tender/pricing in August:

- N/A

2.8.8.1 Subcontract and Supply Contract Awards

The following equipment were issued out for award in August:

SP9000-05 EMC Compatibility Survey

2.8.8.2 Supplier Design

- NA

2.8.8.3 Equipment Deliveries

The following equipment was received at the warehouse in August:

- No major equipment.

2.8.9 Warranty and Training

Warranty summary is currently being compiled for submission to the Province next month.

Training dates have been confirmed with the Province. Clarification of warranty requirements requested is being reviewed.

2.8.10 Spare Parts

EGRT has received the PO from BCRTC for the required non-long-lead and long lead recommended spare parts. The respective Change Orders are being issued. In addition procurement has received Change Orders Requisitions and will be preparing the requisite Change Orders. EGRT is still awaiting another PO for the outstanding non long lead items that was not included in their original PO.

2.8.11 Construction

Tunnel Intrusion Monitoring System components have been received and installation is underway at North and South Portals. The PLC Cabinet delivery is expected in mid-September to enable completion within BQZ.

Tunnel Lighting, receptacle and power distribution in the Tunnel were energized in August. Tunnel ventilation systems at NPZ and BQZ have successfully passed SAT.

Automatic Train control Loop cables were installed in the tunnel and interfaces to Segments 1 and 3. PICO for cabling will be expedited to THALES in the first week of September. PICO for the remaining switch machines was received on August 24th.

Fibre optic cabling for underground radio and CCTV systems were installed and tested in August. Underground radio radiating coaxial cables were installed and pre-tested in preparation for Sept 1st start of Site acceptance testing (SAT).

Heritage Mountain Monitor-Receiver site equipment was installed and PICOed in August. Corresponding equipment installed in Moody Centre station was prepared for early-September SAT.

Systemwide Mainline deficiency resolution continued during non-test windows. Disconnect switch exterior touch-up paint deficiencies, track switch heater junction box elevation and were completed August. Track switch heating element replacement (4), several signage modifications and switch machine heater cable waterproofing will conclude in September.

Station crews continued on minor added scope clean-up items. The Inlet Centre Station West SEEIP clear screen was replaced due to a blemish that was noted. Brackets for Burquitlam station platform speakers were added.

WPE's heightened attention to removal and storage of cable end waste seems to have reduced trespassing.

2.9 TESTING AND COMMISSIONING

2.9.1 Progress Overview

ATC - Since the July report, the Mini Trial Run was conducted on August 2, 3 and 4. The three days of automatic train operation from Lafarge to Moody on scheduled runs provided an opportunity to operate the 2 MKII and single MKI married pairs in automatic mode with the TIDS activated.

At the end of August, the following activities were accomplished

VCC4

- No activities other than LIM stud painting and other deficiencies

- VCC5

- No activities other than train jacking, stud painting and other deficiencies
- Waiting for final VCC release to correct the following restrictions:
 - Speed limits through switches 221 & 226 are incorrect and have been speed limited by Go-Slow Zones

- The length of track 915 beyond switch 223 is uncertain and automatic trains could contact the bump stop
 - Positional uncertainty around switch 216 requires closing of track 658 until the train is confirmed clear of the switch
- VCC6
 - Train coupling and uncoupling retests
 - Waiting for final VCC release to correct the following restriction:
 - The bump stops at the ends of VS6 & VS7 are located incorrectly and rather than extend the rail to slide the stops back, the positioning will be corrected in the VCC software

PS&D - Wayside equipment SAT testing in the tunnel was the primary focus of PS&D testing. The Power Rail through Test Zone 1 and 2 was connected and will be segregated through the disconnects at the Burquitlam crossover

Communications – Closing deficiencies for FLSS and WMS was the primary focus of the T&C activities in August. Above and below ground radio testing/installation including Heritage Mountain was the secondary focus

TIDS/TIMS – TIDS were monitored from the head end equipment located at BQS during the Mini Trial Run. A problem with the Thales SCS self test function would leave tracks equipped with a PESB closed. It was determined that Thales will have to correct this issue which is not related To TIMS

TVS – SAT testing in progress

2.9.2 Submissions

The following submissions were made during August;

- Travel Time Demonstration rev. 1 was approved
- Test Zone Transition Plan rev. 2 was approved
- Availability Demonstration rev. 0 was approved

2.9.3 Beneficial Occupancy

In addition to areas reported previously, T&C took Beneficial Occupancy of:

- Switch machines 204 and 205

2.9.4 Summary of Issues This Month

- Shortage of 3 reprogrammed Thales FPGA cards for VCC 6 has been temporarily resolved by modifying 3 additional FPGA cards – on-going until final version FPGA cards are installed
- Above ground radio testing is on-going while deficiencies are rectified. Once the below ground radio system is ready to be integrated, then the radio system optimization can commence. The Heritage Mountain repeater installation was completed with SAT testing in progress
- BCRTC has not yet installed Evergreen VOBC firmware (3.05 or 3.08) into the entire fleet of MKII trains

2.9.5 Changes Since Last Month

- Test Zone 1 – Complete
- Test Zone 2 – Completion is moved to end of September
- Test Zone 3 – Complete
- Test Zone 4 – Complete
- Test Zone 5 (VSF) – Complete
- All communication testing (except tunnel related) – Deficiency work in progress
- All PS&D testing completed (except tunnel related)
- Trial Running is now scheduled to commence October 16
- Delivery of final version of VCC has slipped from mid-August to mid-September

2.10 CONCLUSION

Our current EGRT Project Schedule is based on the best information available and our current plan for construction. Changes to the final construction plans and methods, and their respective schedules, sequences and durations are expected as work progresses on all fronts. Any future changes or revisions to the schedule will be detailed in this narrative.

3.0 ENVIRONMENTAL MANAGEMENT

3.1 PERMITTING STATUS

No permitting activities (for new Permits) occurred during this reporting period. The status of all permits acquired to date is summarized in Attachment F.

3.2 ENVIRONMENTAL MANAGEMENT SUMMARY

EGRT's Environmental Manager continued to conduct routine environmental management activities including but not limited to: advising on environmental planning and implementation issues, preparing environmental submittals and deliverables, participating in environmental quality activities, and overseeing the Environmental Inspectors (EIs).

Construction of Habitat Compensation at Schoolhouse Creek

EGRT's Subcontractor continued constructing habitat compensation works during this reporting period. The DFO Authorization for the Project requires that instream works be completed during the least-risk fisheries window (Aug. 1st to September 30th of any given year) of any particular year. Channel reconstruction is being completed in three phases. Phase 1 and most of Phase 2 were complete by the end of August. Phase 2 and Phase 3 will be completed by end of September. Planting of the riparian zone will follow the end of channel reconstruction.

Remaining Environmental Obligations

Going forward, the following environmental requirements remain to be completed on the Project:

- Environmental Inspection: environmental inspection of construction will continue until construction of the Schoolhouse Creek habitat compensation is completed, with related reporting to the Province and to applicable regulatory agencies once every two weeks. Assuming concurrence from the Province and applicable regulatory agencies, environmental inspection on the Project should conclude in October 2016.
- Completion of general site restoration and planting of "replacement trees" as required by PTOC item #52: Landscaping along Clarke Street (including tree replacement) has been completed but additional landscaping elsewhere on the Project remains to be done and will be completed in the fall of 2016.
- "Trend" water quality monitoring (as required by PTOC items #42 and #43): EGRT has periodically assessed water quality sampling in watercourses potentially affected by construction. Samples have been tested for metals, hydrocarbons, Volatile Organic Compounds (VOCs), turbidity, suspended solids, pH, dissolved oxygen, conductivity and water temperature. The monitoring program has so far included a round of "baseline" water quality monitoring (conducted during the earliest stages of construction to capture the pre-project condition), followed by two rounds of "during construction" water quality sampling. To complete the program, EGRT conducted a final round of sampling in June 2016 to assess the "post-construction" condition at all

watercourses except Schoolhouse Creek where construction of habitat compensation is underway. EGRT will prepare and submit to the Province a brief summary of the monitoring program results, identifying potential Project-induced water quality effects (if any such effects can be identified). This report is planned to be submitted to the Province in October 2016, after the end of habitat compensation construction at Schoolhouse Creek.

- Close-out of environmental permits including the DFO Authorization (see Appendix F for permit expiry dates): A “close-out” permit tracking matrix is being used to document the close-out status of all key environmental permits. The Permit close-out tracking document will be attached to the Environmental Final Completion Report (see bullet below).
- Preparation of an Environmental Final Completion Report as required by PA, Schedule 5, Subsection 3.8: The PA indicates this report is to follow Substantial Completion. Further discussion with the Province occurred during this reporting period to determine the contents, format and submission date of this report.
- Annual Certificate of Compliance with Environmental Laws: One additional and final Certificate of Compliance will be required, covering the period December 11th, 2015 to December 10th, 2016. This final Certificate of Compliance would be submitted to the Province in December 2016.
- Continuation of the monthly environmental management report (i.e., in the form of this environmental management section of EGRT's monthly progress report): Further discussion with the Province is required to determine when this monthly environmental reporting would end.
- Preparation of a detailed post-construction monitoring and assessment report documenting site-specific landscaping and restoration measures implemented during construction, as required by PTOC #50: This report is required one year after contract completion. Further discussion with the Province is needed to determine exactly when this report would be submitted to the Province.
- Monitoring and annual reporting of the performance of constructed compensatory habitats: The DFO Authorization requires this monitoring to continue until the end of 2019 with a final annual monitoring report submitted to the Province and to applicable agencies in January 2020.

3.3 ENVIRONMENTAL SUBMITTALS TO PROVINCE

Submittals to the Province during this reporting period:

- Biweekly Environmental Inspection Report (BEIR) Nos. 154, 155 and 156.

3.4 AMENDMENT TO ENVIRONMENTAL ASSESSMENT CERTIFICATE

No changes in design or construction occurred during this reporting period that warranted consideration of an amendment to the Project's Environmental Assessment Certificate (T10-01).

3.5 ENVIRONMENTAL REVIEW OF DESIGN

Environmental design and environmental review of non-environmental design are complete.

3.6 ENVIRONMENTAL MANAGEMENT OF CONSTRUCTION

During the previous reporting period, EGRT completed the decommissioning and removal of the Waste Water Treatment Plan that had been in place at the North Portal tunnel support yard. Treated water had been discharged to Metro Vancouver's sanitary system under Metro Vancouver Waste Discharge Permit No. SC-100914-FSA. EGRT wrote a letter to Metro Vancouver (dated July 27, 2016) to confirm that discharge to the Metro Vancouver sanitary system had ceased and to ask Metro Vancouver to cancel the Permit. During this reporting period, on August 24, Metro Vancouver issued EGRT with a letter that officially cancelled the Permit.

The Permit is now considered to be closed out.

3.7 ENVIRONMENTAL INCIDENTS

No environmental incidents occurred during this reporting period.

3.8 ENVIRONMENTAL INSPECTION

Bi-Weekly Environmental Inspection Report (BEIR) Nos. 154 and 155 were submitted to the Province "for Information" during this reporting period. BEIR No. 156 (covering the period Aug 15-28 inclusive) was in final draft at the end of this reporting period and has been considered in preparing this report.

As reported by EGRT's Environmental Inspectors, construction generally complied with Project environmental requirements during this reporting period.

See Table below. One issue (#242) remained open at the end of the previous reporting period and was carried over into this reporting period. The issue had still not been resolved by the end of August and remains open at end of this reporting period. Three new issues (#245, #246 and #247) were opened during this reporting period. One of the issues (#247) was closed by the end of this reporting period. Two of the new issues (#245, #246) remain open at the end of this reporting period.

Altogether, three issues (#242, #245 and #246) remain open at the end of this reporting period.

Table: Environmental Inspection Issue Tracking Summary

| Issue No. | Date Opened | Description | Status at Aug 31/16 |
|-----------|-------------|--|---------------------|
| 242 | July 5/16 | Hydrocarbon staining on soil/gravel at South Portal. Clean-up was not yet completed at end of this reporting period. | Open |
| 245 | Aug 9/16 | Hydrocarbon staining at the North Portal tunnel support yard. Clean-up was not yet completed at end of this reporting period. | Open |
| 246 | Aug 9/16 | Deficient housekeeping at South Portal (crew garbage strewn around the site). The garbage had not yet been cleaned up at end of this reporting period. | Open |
| 247 | Aug 15/16 | Construction induced elevated turbidity was observed in Schoolhouse Creek, caused by the overnight failure of a pump that was being used to dewater the instream habitat compensation work site. An effective creek diversion system was quickly re-established thus ending the period of elevated turbidity (which lasted approximately 4 hours). | Closed |

3.9 COMPLIANCE SUMMARY

No significant environmental compliance issues occurred during this reporting period.

4.0 COMMUNICATIONS AND COMMUNITY RELATIONS

No community meetings and/or Business Liaison Committee meetings were held in August 2016.

As the project nears completion, no additional Business Liaison Committee (BLC) meetings are scheduled. Should there be any BLC or community meetings, the EGRT Construction communications team will support the Province and attend as required.

4.1 TRAFFIC MANAGEMENT COMMUNICATIONS

The EGRT Construction communications team prepared and distributed the following Construction and Traffic Bulletin in August 2016:

- Landscaping Restoration – Clarke Street Area – UPDATED – August 8
 - This notice was distributed to businesses and residents on Clarke Street closest to the Queens Street Plaza.

Please note that this updated notice was also posted on the egrtconstruction.ca website.

EGRT Construction did not issue any Community Notices in August 2016.

No Traffic Alerts were distributed by EGRT Construction in August 2016.

4.2 PUBLIC CONSULTATION

No public consultation is required by the Province of BC.

4.3 MEDIA RELATIONS

All media inquiries, including inquiries from traffic reporters, will continue to be referred to the Province for first comment. EGRT Construction will only answer routine traffic questions and only when queries have been referred to the EGRT Construction Communications Manager directly by the Province.

EGRT Construction was asked to provide the completion date (end of June) for the installation of the rail within the tunnel for SandHouse (a local rail fan publication) on August 12.

EGRT Construction was approached by the Canadian Wood Council and Wood *WORKS!* BC to provide information on the use of wood in the Evergreen Line station designs. Technical sheets outlining wood use for the six new stations were sent August 22 and the Evergreen Line be nominated in the Canadian Wood Council's Wood Design Awards this year. Nominations will be opening sometime in December.

5.0 FIRST NATION ENGAGEMENT

5.1 PERFORMANCE OVERVIEW BY SUB-CONTRACTOR

| NATION | Procurement Target (\$/project) | Opportunities to Date (est. \$ value) | Awarded to Date | Awarded this Period |
|----------------|------------------------------------|--|-----------------|---------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

| NATION | Employment Target (hrs/project) | Employment to Date (hrs) | Employment this Period (hrs) | Total Active Employees (qty) |
|----------------|------------------------------------|-----------------------------|---------------------------------|---------------------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

¹ Employment This Period and Awarded This Period updated quarterly.

All First Nations procurement targets have been exceeded.

Employment targets for Musqueam have been exceeded, and targets for Tsleil Waututh continue to be pursued. Labour availability from Tsleil Waututh is limited.

5.2 BID REPORT – PROCUREMENT OPPORTUNITIES & AWARDS DETAILED

| Package Number/Title/PO | Bid Close Date | Company Name (Bidder) | Affiliated First Nation | Awarded Contract (Actual) | Procurement Opportunity (Est. Value) | Status |
|---|----------------|-----------------------|-------------------------|---------------------------|--------------------------------------|--------|
| SGJV PROCUREMENT | | | | | | |
| Supply/Install Piles (Pinetree) | 22/Nov/13 | s.16,s.17 | | | | |
| Soil Removal (various PO's) | 1/Oct/13 | | | | | |
| Supply/Install Piles (CPR) | 18/Sep/13 | | | | | |
| Supply/Install Piles (Reichhold) | 5/Mar/13 | | | | | |
| Supply/Install Caissons | 29/Apr/13 | | | | | |
| Clearing, Grubbing & Access Road (511326-C-002) | 1/Mar/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| Supply/Install Timber Piles | 22/Nov/13 | | | | | |
| Supply/Install Timber Piles | 18/Sep/13 | | | | | |
| Supply/Install Timber Piles | 3/May/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| SSJV PROCUREMENT | | | | | | |
| Water Treatment Plant | 1/Sep/13 | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |
| Water Treatment Plant | 1/Sep/13 | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |

SLCW-EG PROCUREMENT

| | | |
|-----------------------------------|-----------|-----------|
| Traffic Signs-Part 1 | ongoing | s.16,s.17 |
| Traffic Signs-Part 2 | ongoing | |
| Site Security (3 mo. Trial) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Traffic Management (3 mo. Trial) | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Crane Services for Truss Assembly | 19/Aug/13 | |
| Trailer rental (ongoing) | ongoing | |
| Trailer Rental-New Office | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Trailer Relocation | ongoing | |
| Traffic Management | ongoing | |
| Traffic Management | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |

| | |
|----------------|---------|
| Elec. Services | ongoing |
| Elec. Services | ongoing |

SLCW-GST PROCUREMENT

| | | |
|---------------------------------|-----------|-----------|
| GC009- Stn Elec. Work | 1/Oct/13 | s.16,s.17 |
| Office Trailer Rentals(0000143) | ongoing | |
| Lougheed Stn Demo | 31/May/13 | |
| GC003- Piles & Caissons | 3/Jun/13 | |
| Elec. & data-Poco Warehse | 1/Apr/13 | |
| GC400-Port Moody Demo | 1/Mar/13 | |
| GC009- Stn Elec. Work | 30/Jan/14 | |
| GC037- Supply/Install Piling | 8/Jan/14 | |
| GC039-PPS & VSF Elec. Work | 17/Apr/14 | |
| GC048-Moody Piling | 17/Apr/14 | |
| GP500-Supply Retaining Wall | 9/Sep/14 | |
| GP500-CO No. 1 | 17/Aug/15 | |
| GP500-CO No. 2 | 13/Nov/15 | |
| GC063-Modular Buildings | 9/Mar/15 | |
| GC063-CO No. 1 | 8/Oct/15 | |
| GC063-CO No. 2 | 7/Nov/15 | |
| GC063-CO No. 3 | 24/Feb/16 | |
| Elec. Work for Stns | 6/Jan/14 | |
| GC009-CO No. 1 | 11/Jun/14 | |
| GC009-CO No. 2 | 2/Oct/14 | |

| | | |
|---------------------------------|-----------|-----------|
| GC009-CO No. 3 | 3/Oct/14 | s.16,s.17 |
| GC009-CO No. 4 | 16/Dec/14 | |
| GC009-CO No. 5 | 13/Jan/15 | |
| GC009-CO No. 6 | 13/Jan/15 | |
| GC009-CO No. 7 | 14/Jan/15 | |
| GC009-CO No. 8 | 19/Jan/15 | |
| GC009-CO No. 9 | 23/Mar/15 | |
| GC009-CO No. 10 | 30/Mar/15 | |
| GC009-CO No. 11 | 9/Apr/15 | |
| GC009-CO No. 12 | 4/Jun/15 | |
| GC009-CO No. 13 | 7/Aug/15 | |
| GC009-CO No. 14 | 7/Dec/15 | |
| GC009-CO No. 15 | 12/Jan/16 | |
| Inlet Ctr Exc (511414-GC401) | 1/May/13 | |
| Supply Masonry Grout Fill | 16/Jan/14 | |
| Earthworks Coq. Stn | 4/Dec/13 | |
| GC039 Stn Elec. Work | 16/Jan/14 | |
| GC035-CO No. 1 | 30/Sep/14 | s.16,s.17 |
| GC035-CO No. 2 | 15/Jan/15 | |
| GC035-CO No. 3 | 22/May/15 | |
| GC035-CO No. 4 | 3/Jun/15 | |
| GC035-CO No. 5 | 24/Dec/15 | |
| GC035-CO No. 6 | 11/May/16 | |
| GC039-SubStn & VSF Elec. | 17/Apr/14 | |
| GC039-CO No. 1 | 30/Sep/14 | |
| GC039-CO No. 2 | 14/Jan/15 | |
| GC039-CO No. 3 | 15/May/15 | |
| GC039-CO No. 4 | 3/Jun/15 | |
| GC039-CO No. 5 | 28/Oct/15 | |
| GC039-CO No. 6 | 24/Dec/15 | |
| GC039-CO No. 7 | 28/Oct/15 | |
| GC039-CO No. 8 | 11/May/16 | |

SLCW-GST PROCUREMENT (Continued)

| | | |
|--|-----------|-----------|
| Lougheed Stn Demo (51414- GC404) | 31/May/13 | s.16,s.17 |
| Supply/Install Piling | 8/Jan/14 | |
| GC047-Moody Piling | 17/Apr/14 | |

SLCW-SW PROCUREMENT

| | |
|---|-----------|
| SC9000-04 Lougheed Stn Brownfield Investigation | 13/Mar/14 |
| SC9000-05 Lougheed Stn Brownfield Installs | 10/Apr/14 |
| SC9000-05 Lougheed Stn Brownfield Installs CO #2 | 30/Sep/14 |
| SC9000-05 Lougheed Stn | 6/Nov/14 |

| | | | | | | |
|---|-----------|-----------|--|--|--|--|
| Brownfield Installs CO #3 | | | | | | |
| SC9000-05 Lougheed Stn Brownfield Installs CO #4 | 8/Apr/15 | s.16,s.17 | | | | |
| SC9000-06 T&C Support | 11/May/15 | | | | | |
| SC9000-06 T&C Support CO#1 | 14/Mar/16 | | | | | |
| SC9000-06 T&C Support Change Order No. 2 | 26/May/16 | | | | | |
| SC9025-01 OMC Install | 29/May/14 | | | | | |
| SC9025-01 OMC Install-CO#1 | 4/May/15 | | | | | |
| SC9000-08 Segment 2 Installation | 16/Feb/16 | | | | | |
| SC9000-01 Systemwide Install | 5/Aug/14 | | | | | |
| SC9000-01 Systemwide Install-CO #1 | 17/Nov/14 | | | | | |
| SC9000-01 Systemwide Install-CO #2 | 28/Jan/15 | | | | | |
| SC9000-01 Systemwide Install-CO #3 | 17/Mar/15 | | | | | |
| SC9000-01 Systemwide Install-CO #4 | 15/Jun/15 | | | | | |
| SC9000-01 Systemwide Install-CO #5 | 15/Jul/15 | | | | | |
| SC9000-01 Systemwide Install-CO #6 | 15/Sep/15 | | | | | |
| SC9000-01 Systemwide Install-CO #7 | 16/Nov/15 | | | | | |
| SC9000-01 Systemwide Install-CO #8 | 9/Dec/15 | | | | | |
| SC9000-01 Systemwide Install-CO #9 | 12/Jan/16 | | | | | |
| SC9000-01 Systemwide Install-CO #10 | 7/Mar/16 | | | | | |
| SC9000-01 Systemwide Install-CO #11 | 22/Mar/16 | | | | | |
| SC9000-01 Systemwide Install-CO #12 | 9/May/16 | | | | | |
| SC9000-02 CO #1 | 27/Mar/14 | | | | | |
| SC9000-02 CO #3 | 3/Oct/14 | | | | | |
| SC9000-02 CO #4 | 3/Oct/14 | | | | | |
| SC9000-02 CO #5 | 25/Aug/15 | | | | | |

| | |
|---|------------------------|
| SC9000-08 Segment 2 Equipment Installation | s.16,s.17 16/Feb/16 |
|---|------------------------|

SLCW-SW PROCUREMENT

| | |
|--|-----------|
| SC9000-08 Segment 2 Equipment Installation CO#1 | 2016/0516 |
| SC9000-08 Segment 2 Equipment Installation CO#2 | 2/May/16 |
| SC6000-01 SubStn Equip. Install | 12/Sep/14 |
| SC6000-01 SubStn Equip. Install-C#1 | 28/Nov/14 |
| SC6000-01 SubStn Equip. Install-C#2 | 28/Jan/15 |
| SC6000-01 SubStn Equip. Install-C#3 | 18/Feb/15 |
| SC6000-01 SubStn Equip. Install-C#4 | 17/Mar/15 |
| SC6000-01 SubStn Equip. Install-C#5 | 30/Apr/15 |
| SC6000-01 SubStn Equip. Install-C#6 | 11/Sep/15 |
| SC6000-01 SubStn Equip. Install-C#7 | 16/Nov/15 |
| SC6000-01 SubStn Equip. Install-C#8 | 9/Mar/16 |
| SC6000-01 Substation Equipment Install- C#9 | 22/Mar/16 |
| SC6000-01 Substation Equipment Install- C#7 | 9/May/16 |
| SC7000-01 Stn Communication Install | 8/Dec/14 |
| SC7000-01 Stn Communication Install-CO #1 | 5/May/15 |
| SC7000-01 Stn Communication Install-CO #2 | 25/Aug/15 |
| SC7000-01 Stn Communication Install-CO #3 | 28/Sep/15 |
| SC7000-01 Stn Communication Install-CO #4 | 16/Nov/15 |

| | |
|---|------------------------|
| SC7000-01 Station Communications Install - CO #5 | s.16,s.17 22/Mar/16 |
| SC7000-01 Station Communications Install - CO #6 | 9/May/16 |
| OTHER FN PROCUREMENTS | |
| 511325- Environmental Services Sumas Remediation | 5/Aug/14 |

Summary of Activities

- To date there is been great success of engaging aboriginal businesses in project construction with over \$48 million awarded.
- Employment values have begun reduce as the project winds down.
- At least once per quarter, project updates are provided to the Tsleil Waututh and Musqueam Nations through the Economic Development offices.

Challenges/Risks

Work Planned

- Continue to respond to needs of the client and the identified First Nations as the project winds down.

6.0 HEALTH AND SAFETY

6.1 SUMMARY OF SAFETY ACTIVITIES

s.13

-
- Track works is scheduled to complete the tunnel operations by the end of August and man power will be reduced as work is completed.
- The North Portal concrete pour was the last major concrete operation. Concrete crews have moved into the tunnel to install tunnel doors.
- T&C will take BO of the tunnel and all Confined Space protocols will remain in place. Tunnel entry permits will then be issued by T&C.
- Stations have Fujitec at Inlet Station replacing escalator treads. Very few Station deficiencies remain.
- WorkSafeBC has not responded to the last submission relating to the tunnel orders written in June.
- The TFO Joint Occupational Safety & Health Committee continues to meet monthly at the TFO office. If manpower numbers drop below twenty workers the August meeting will close out the project.
- T&C are continuing with testing in segments 3, 4 & 5.
- Lim Bolt Crews are now working in segments 4 and 5. Safety inspections of the crews are continuing and non-compliance issues are being resolved.
- Mission Contracting is performing very well at the School House Creek restoration area.

6.2 INJURY AND INCIDENT SUMMARY

- Environmental:

See Environmental Section of Report

- Property/Equipment Damage:

- None Reported

- Lost Time Incident:

- s.22

| Hours Worked This Month | First Aid This Month | Medical Aid/LTI This Month | Lost Time Days This Month |
|----------------------------|-------------------------|-------------------------------|------------------------------|
| 41,234 | 4 | 0/0 | 21 |
| Hours Worked To Date | First Aid To Date | Medical Aid/LTI To Date*: | Lost Time Days To Date |
| 4,976,446 | 483 | 63/10 | 117 |

*LTI to Date monitoring added this month

7.0 FINANCIAL

7.1 PERFORMANCE INCENTIVE PAYMENTS

Refer to the Performance Mechanism Report for full details.

7.2 MILESTONE PAYMENTS

See attached Statement of Progress.

7.3 CHANGE MANAGEMENT

Pricing has been approved for the following Province Changes/Events this month:

- PC93 – Additional Operations and Maintenance Training
- PC94 – Additional Coverboard at Moody and Burquitlam Areas
- PC88 R1 – Tree Clearing Part 2
- PC13 R1 – Additional Fencing at Moody Egress
- PC79 R4 – T9 Vinyl Decals for Outside Fairgates

Pricing has been submitted for the following Province Changes:

- None

Additional Province Changes active this month include:

- Design of Wired Connection to Evacuation Alarm (SI35)
- Charles Street As-Builts (SI38)
- Moody Station – PTZ Camera to monitor FCP (SI39)
- Station Lighting Enhancements – Moody/Coq (SI40)
- Supply of Tunnel Signage – BCRTC (SI43)

7.4 RISK MANAGEMENT

Risk registers for each area of work are updated on a monthly basis.

8.0 QUALITY ASSURANCE

The following is a summary of activities.

8.1 STATUS OF QUALITY MANAGEMENT SYSTEM ACTIVITIES

- EGRT Construction continues to work closely with the Province to address quality issues as they arise. Representatives from both sides continue to meet regularly to discuss project quality issues.
- EGRT Construction continues to extend the invite to the Province for internal and external audits.
- The table below shows the current status of the Management Plans

Table 1 – Management Plan Status

| Plan | Latest Date of Issue | Latest Revision | Status |
|---|----------------------|-----------------|----------|
| Quality Manual | 20-Mar-14 | 2 | Received |
| Design Quality Management Plan | 6-May-14 | 3 | Received |
| Environmental Quality Management Plan | 21-Jul-14 | 2 | Received |
| Traffic Quality Management Plan | 1-May-14 | 2 | Received |
| Construction Quality Management Plan – SGJV | 23-Jun-14 | 2 | Received |
| Construction Quality Management Plan – SLCW – GST | 23-Apr-15 | 3 | Received |
| Construction Quality Management Plan – SLCW – EG | 16-Mar-15 | 1 | Received |
| Construction Quality Management Plan – SSJV | 11-Mar-15 | 2 | Received |
| Construction Quality Management Plan – SLCW – SW | 16-Dec-13 | 0 | Accepted |

8.2 AUDIT PROGRAMME

- The tables below show the current status of the Audit Programme.

Table 2 – Audit Programme Status

| Audit Programme | Latest Date of Issue | Latest Revision | Status |
|---|-----------------------------|------------------------|---|
| Quality Audit Programme | 04-Mar-13 | 0 | Received with comments from the Province. Detailed audit programmes were issued separately. |
| Design Quality Management Audit Programme | 20-Jan-15 | 2 | Received |
| Environmental Audit Programme | 04-Dec-15 | 3 | Issued to the Province for Information |
| Traffic Management Audit Programme | 04-Dec-15 | 4 | Issued to the Province for Information |
| Transit Facilities Audit Programme | 05-Dec-14 | 4 | Issued to the Province for Information |
| Construction Quality Management Audit Programme | 4-Feb-16 | 4 | Received |

- To date, 157 quality audits have been completed by EGRT, Joint Ventures and Subcontractors. They are listed on Attachment H.
- There were no audits completed this reporting period.

Table 3 – Four Month Look Ahead Audit Schedule

| Month | Project Team (Auditor) | Project Team (Auditee) | Audit Scope |
|--------------|-------------------------------|-------------------------------|--------------------|
| | | | |

8.3 PREVENTATIVE ACTION LOG

- There were no preventive actions initiated at this reporting period.
- Below is the tracking log for preventive action.

Table 4 – Preventive Action Log

| PAR No. | Project Team | Brief Description | Response | Date Opened | Verified |
|----------------|---------------------|--------------------------|-----------------|--------------------|-----------------|
| | | | | | |

8.4 SUMMARY OF INSPECTION AND TESTING ACTIVITIES

- Below is a table showing the Inspection and Testing summary for this reporting period.

Table 5 – Summary of Inspection and Testing

| Project Team | Location | Description of Inspection and Testing |
|--------------|----------------------------|---------------------------------------|
| SLCW-GST | Stations | - Deficiency repair |
| SLCW-GST | Substations | - Deficiency repair |
| SLCW-GST | Vehicle Storage Facilities | - Deficiency repair |

8.4.1 DBC

- There were no ITPs issued by DBC this reporting period.

8.4.2 SLCW-GST

- There were no ITPs issued by SLCW-GST this reporting period.

8.4.3 SLCW-SW

- There were no ITPs issued by SLCW-SW this reporting period.

8.5 NONCONFORMITY REPORTS AND CORRECTIVE ACTION

- The table below shows the current status of active NCRs.
- Associated Corrective Action for any NCR can be referred to the NCR Tracking System. Below is the link to the website.

<http://csc.snclavalin.com/sites/EvergreenNCRTS/default.aspx>

Table 6 –NCR and CAR Status

| NCR No. | Description of Nonconformity | Date Open | Date Ended | Status | Description of Correction |
|-------------------|--|------------------|-------------------|---------------------------|----------------------------------|
| SSJV-0035 | Additional Segments With Curing Temperatures Exceeded 70 °C, Installed In The Tunnel | 24-Mar-15 | | Final Quality Review | Use-as-is |
| SLCW-GST-0073 | Drainage issue at DF pads locations in Section 330 | 26-May-15 | | Correction Implementation | Repair |
| SLCW-GST-0074 | Escalators – Sound Absorption Material “all stations” | 15-Jun-15 | 18-Aug-16 | Ended | Rework |
| SLCW-GST-0086 | Projectwide Lighting Fixtures Ballast | 21-Mar-16 | | Correction Implementation | Rework |
| SLCW-GST-0089 | Corrosion of LIM Studs at Stud-Grout Interface | 25-May-16 | | Correction Implementation | Repair |
| SLCW-Systems-0009 | Interface tolerance between running rail and expansion joint | 15-June-16 | | Correction Implementation | Repair |
| SLCW-GST-0090 | Station Floor Drainage | 22-June-16 | | Activated | |

8.6 CONTINUAL IMPROVEMENT INITIATIVES

Improvement initiatives are presently done through Opportunity for Improvements and Corrective Actions related to NCRs.

9.0 PROJECT PHOTOGRAPHS



Figure 1 – Completed Trackwork at North Portal Transition



Figure 2 – Completed Cut and Cover Tunnel at North Portal



Figure 3 – Completed LIM/Power/Running Rail on OB Track



Figure 4 – T&C Test Train at Moody Station

Attachments

Attachment A – Submission List – Systems - ***Discontinued***

Attachment B – Project Schedule

Attachment C – Activity Changes - ***Discontinued***

Attachment D – Logic Changes - ***Discontinued***

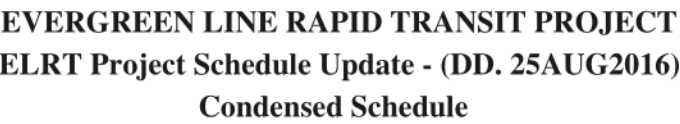
Attachment E – Alignment Key Plan

Attachment F – Environmental Existing Permits




Attachment G – Four Month Look Ahead Audit Schedule – ***Discontinued(See 8.2 Table 3)***

Attachment H – Quality Audits

ATTACHMENT A
SYSTEM MANAGEMENT PLAN
DISCONTINUED



| Date | Revision | Checked | Approved |
|-----------|--|---------|----------|
| 01-Sep-16 | Project Schedule Update (DD.25AUG2016) Rev.0 | JS | JS |
| 08-Sep-16 | Project Schedule Update (DD.25AUG2016) Rev.1 | JS | JS |
| | | | |
| | | | |

 Remaining Level of Effort
  Primary Baseline
  Remaining Work

 Actual Level of Effort
 Actual Work
 Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | | | | |
|---|---|-----|----|-------------|-------------|-----|-----|--|-----|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | | | | | | | | | |
| PS&D Systemwide Electrical | | | | | | | | 100 | 24 | 02-Nov-15 A | 28-Sep-16 | 0 | 245 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900135 | Systemwide Electrical - As-built / record dwgs Segment 1 | 20 | 21 | 02-Nov-15 A | 23-Sep-16 | 3 | -49 | Systemwide Electrical - As-built / record dwgs Segment 1, Systemwide Electrical - As-built / record dwgs Segment 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900140 | Systemwide Electrical - As-built / record dwgs PPSs and Systemwide | 40 | 24 | 09-Nov-15 A | 28-Sep-16 | 0 | -52 | Systemwide Electrical - As-built / record dwgs PPSs and Systemwide, Systemwide Electrical - As-built / record dwgs PPSs and Systemwide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900145 | Systemwide Electrical - As-built / record dwgs - Vendor pkgs | 39 | 24 | 09-Nov-15 A | 28-Sep-16 | 0 | -52 | Systemwide Electrical - As-built / record dwgs - Vendor pkgs, Systemwide Electrical - As-built / record dwgs - Vendor pkgs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900150 | Systemwide Electrical - support for O&M manuals | 60 | 2 | 09-Nov-15 A | 26-Aug-16 | 0 | 267 | Systemwide Electrical - support for O&M manuals, Systemwide Electrical - support for O&M manuals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Automation for Stations and Substations | | | | | | | | 25 | 25 | 25-Aug-16 | 29-Sep-16 | 0 | 289 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signalling/ATC Design (Handover milestones from 3rd party - Thales) | | | | | | | | 274 | 20 | 10-Mar-15 A | 22-Sep-16 | 0 | 294 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ancillary Systems | | | | | | | | 71 | 30 | 06-May-16 A | 06-Oct-16 | 0 | -48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trainway Intrusion Detection System (TIDS) | | | | | | | | 52 | 0 | 06-May-16 A | 11-Jul-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541395 | TIMS tunnel - prepare fabrication drawings for posts and mounting hardware | 10 | 0 | 06-May-16 A | 24-Jun-16 A | | | TIMS tunnel - prepare fabrication drawings for posts and mounting hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541370 | TIMS tunnel - Prepare response & conduct FDR meeting | 1 | 0 | 26-May-16 A | 11-Jul-16 A | | | TIMS tunnel - Prepare response & conduct FDR meeting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN541405 | TIMS tunnel - start procurement of equipment | 0 | 0 | 24-Jun-16 A | | | | TIMS tunnel - start procurement of equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunnel Ventilation | | | | | | | | 30 | 30 | 16-Jul-16 A | 06-Oct-16 | 0 | -48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN544070 | TVS - Inlet Centre Stn As built TVS Drawings | 20 | 20 | 25-Aug-16 | 22-Sep-16 | 5 | -48 | TVS - Inlet Centre Stn As built TVS Drawings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN544095 | TVS - Segment 2 As built TVS Drawings | 30 | 30 | 25-Aug-16 | 06-Oct-16 | 5 | -48 | TVS - Segment 2 As built TVS Drawings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunnel Ventilation - electrical | | | | | | | | 29 | 4 | 16-Jul-16 A | 30-Aug-16 | 0 | -57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN900120 | TV Electrical - PLC programming (Bored Tunnel) | 29 | 4 | 16-Jul-16 A | 30-Aug-16 | 0 | -57 | TV Electrical - PLC programming (Bored Tunnel), TV Electrical - PLC programming (Bored Tunnel) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heritage Mountain Monitor/Receiver | | | | | | | | 91 | 6 | 07-Apr-16 A | 01-Sep-16 | 0 | 308 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Turris / SLCW-SW Design & Review | | | | | | | | 45 | 2 | 23-May-16 A | 29-Aug-16 | 0 | 312 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990115 | Monitor / Receiver - SLCW Review of FDR | 5 | 0 | 23-May-16 A | 31-May-16 A | | | Monitor / Receiver - SLCW Review of FDR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990120 | Monitor / Receiver - FDR submission Issued to Province for Information | 0 | 0 | | 06-Jun-16 A | | | Monitor / Receiver - FDR submission Issued to Province for Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990140 | Monitor / Receiver - FDR meeting with Province | 0 | 0 | | 07-Jun-16 A | | | Monitor / Receiver - FDR meeting with Province | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990150 | Monitor / Receiver - FDR Meeting Minutes / Memo | 5 | 0 | 08-Jun-16 A | 13-Jun-16 A | | | Monitor / Receiver - FDR Meeting Minutes / Memo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990160 | Monitor / Receiver - SW Prepare IFC Package | 6 | 0 | 08-Jun-16 A | 20-Jun-16 A | | | Monitor / Receiver - SW Prepare IFC Package | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990165 | Monitor / Receiver - Issue FDR Meeting Minutes [Engineering] | 0 | 0 | | 10-Jun-16 A | | | Monitor / Receiver - Issue FDR Meeting Minutes [Engineering] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990155 | Monitor / Receiver - IFC | 0 | 0 | | 20-Jun-16 A | | | Monitor / Receiver - IFC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990170 | Monitor / Receiver - SAT Procedure from Turris | 10 | 0 | 08-Aug-16 A | 19-Aug-16 A | | | Monitor / Receiver - SAT Procedure from Turris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990025 | Monitor / Receiver - Turris FAT Procedure | 6 | 0 | 08-Aug-16 A | 18-Aug-16 A | | | Monitor / Receiver - Turris FAT Procedure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990180 | Monitor / Receiver - Internal Review of Turris SAT Procedure & Submission to Province | 3 | 2 | 19-Aug-16 A | 26-Aug-16 | 0 | -24 | Monitor / Receiver - Internal Review of Turris SAT Procedure & Submission to Province, Monitor / Receiver - Internal Review of Turris SAT Procedure & Submission to Province | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990035 | Monitor / Receiver - SW Review of Turris FAT Procedure | 10 | 0 | 19-Aug-16 A | 19-Aug-16 A | | | Monitor / Receiver - SW Review of Turris FAT Procedure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990045 | Monitor / Receiver - Turris FAT report and submission to SW | 4 | 1 | 23-Aug-16 A | 25-Aug-16 | 0 | 312 | Monitor / Receiver - Turris FAT report and submission to SW, Monitor / Receiver - Turris FAT report and submission to SW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990055 | Monitor / Receiver - SW Review of Turris FAT Report | 1 | 1 | 26-Aug-16 | 26-Aug-16 | 0 | 312 | Monitor / Receiver - SW Review of Turris FAT Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990065 | Monitor / Receiver - Submit FAT report to Province for Information | 0 | 0 | 29-Aug-16 | | 312 | 312 | Monitor / Receiver - Submit FAT report to Province for Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BC Hydro Collocation Approval | | | | | | | | 91 | 6 | 07-Apr-16 A | 01-Sep-16 | 0 | 308 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990220 | Monitor / Receiver - BC Hydro Structural Analysis | 28 | 0 | 07-Apr-16 A | 24-Jun-16 A | | | Monitor / Receiver - BC Hydro Structural Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990240 | Monitor / Receiver - Obtain drawings from BC Hydro | 6 | 0 | 08-Apr-16 A | 27-May-16 A | | | Monitor / Receiver - Obtain drawings from BC Hydro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990230 | Monitor / Receiver - BC Hydro Review of Structural Analysis | 10 | 0 | 27-Jun-16 A | 04-Jul-16 A | | | Monitor / Receiver - BC Hydro Review of Structural Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990250 | Monitor / Receiver - Provide BC Hydro with SW Installation Schedule | 0 | 0 | | 15-Jul-16 A | | | Monitor / Receiver - Provide BC Hydro with SW Installation Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990255 | Monitor / Receiver - BC Hydro review of SW Installation Schedule | 10 | 0 | 15-Jul-16 A | 05-Aug-16 A | | | Monitor / Receiver - BC Hydro review of SW Installation Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990235 | Monitor / Receiver - Provide SW IFC Package to BC Hydro | 0 | 0 | | 19-Jul-16 A | | | Monitor / Receiver - Provide SW IFC Package to BC Hydro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990245 | Monitor / Receiver - BC Hydro Review of SW IFC Package | 20 | 0 | 19-Jul-16 A | 29-Jul-16 A | | | Monitor / Receiver - BC Hydro Review of SW IFC Package | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990260 | Monitor / Receiver - BC Hydro SW Installation Approval / Okay to proceed with SW Installation | 0 | 0 | | 05-Aug-16 A | | | Monitor / Receiver - BC Hydro SW Installation Approval / Okay to proceed with SW Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2580 | Monitor / Receiver - Obtain drawings from BC Hydro | 6 | 6 | 25-Aug-16 | 01-Sep-16 | 308 | 308 | Monitor / Receiver - Obtain drawings from BC Hydro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T&D Design | | | | | | | | 17 | 0 | 26-May-16 A | 17-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEN990320 | Monitor / Receiver - T&D Civil/Electrical/Geotech Design Package | 17 | 0 | 26-May-16 A | 17-Jun-16 A | | | Monitor / Receiver - T&D Civil/Electrical/Geotech Design Package | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | 279 | 22 | 24-Jun-15 A | 26-Sep-16 | 0 | 292 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Civil Materials/Equipment | | | | | | | | 0 | 0 | 26-Aug-16 | 26-Aug-16 | 0 | -21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Station | | | | | | | | 0 | 0 | 26-Aug-16 | 26-Aug-16 | 0 | -21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Wide | | | | | | | | 0 | 0 | 26-Aug-16 | 26-Aug-16 | 0 | -21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Procurement | | | | | | | | 0 | 0 | 26-Aug-16 | 26-Aug-16 | 0 | -21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC817115 | Procurement Completion | 0 | 0 | | 26-Aug-16 | 43 | -21 | Procurement Completion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Materials/Equipment | | | | | | | | 279 | 22 | 24-Jun-15 A | 26-Sep-16 | 0 | 292 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems | | | | | | | | 279 | 22 | 24-Jun-15 A | 26-Sep-16 | 0 | 292 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comms (optical fibre, cable, cameras, TVs..) | | | | | | | | 273 | 0 | 02-Jul-15 A | 25-Jul-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC804790 | Below ground radio Equip - Lead Time | 102 | 0 | 02-Jul-15 A | 25-Jul-16 A | | | Below ground radio Equip - Lead Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC843782 | Below ground Radio 700/800MHz dual band BDAs - delivered | 0 | 0 | 25-Jul-16 A | | | | Below ground Radio 700/800MHz dual band BDAs - delivered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIDS | | | | | | | | 71 | 22 | 24-Jun-15 A | 26-Sep-16 | 0 | 288 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC544655 | TIMS tunnel - lead time for PLC | 10 | 2 | 24-Jun-15 A | 26-Aug-16 | 0 | 288 | TIMS tunnel - lead time for PLC, TIMS tunnel - lead time for PLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC544660 | TIMS tunnel - lead time for posts and mounting hardware | 20 | 2 | 27-Jun-16 A | 26-Aug-16 | 0 | -21 | TIMS tunnel - lead time for posts and mounting hardware, TIMS tunnel - lead time for posts and mounting hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC843712 | TIMS tunnel - lead time for devices | 10 | 10 | 25-Aug-16 | 08-Sep-16 | 0 | 234 | TIMS tunnel - lead time for devices | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRC544700 | TIMS PLC - complete programming (CCN 165 Rockwell) | 20 | 20 | 29-Aug-16 | 26-Sep-16 | 0 | 288 | TIMS PLC - complete programming (CCN 165 Rockwell) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heritage Mountain Monitor/Receiver | | | | | | | | 65 | 0 | 19-May-16 A | 25-Aug-16 | 0 | 314 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRO990000 | Heritage Mountain Monitor/Receiver Procurement Enclosure and Subsystem (Turris Responsible Procurement) | 44 | 0 | 19-May-16 A | 01-Aug-16 A | | | Heritage Mountain Monitor/Receiver Procurement Enclosure and Subsystem (Turris Responsible Procurement) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Remaining Level of Effort

Actual Level of Effort

Primary Baseline

Actual Work

Remaining Work

Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

Page 2 of 10
Printed - 08-Sep-16

| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PRO990025 | Heritage Mountain Monitor/Receiver Procurement of MCS Components | 44 | 0 | 19-May-16 A | 01-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | </ |

| Activity ID | | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | |
|-------------|--|--|-----|-----|-------------|-------------|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|--|--|--|--|--|--|
| | | | | | | | | | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | | | |
| | CON200-9000 | Seg.2 - Site Restoration and Landscaping | 50 | 50 | 25-Aug-16 | 04-Nov-16 | 0 | 234 | Seg.2 - Site Restoration and Landscaping | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Section 210 - South Transition Tunnel (516+700 to 516+760) - 60m | | 41 | 0 | 29-Jun-16 A | 20-Aug-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Portal Structure (Post TBM) | | 41 | 0 | 29-Jun-16 A | 20-Aug-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON210-2040 | South Portal - Pull OB Rail | 0 | 0 | 29-Jun-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON210-2060 | South Portal - Roof - F/R/P - (Double Shift) | 9 | 0 | 04-Jul-16 A | 16-Jul-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON210-2065 | South Portal - Roof - Cure and Strip | 11 | 0 | 18-Jul-16 A | 28-Jul-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON210-2070 | South Portal - Chamfers | 8 | 0 | 27-Jul-16 A | 02-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON210-2075 | South Portal - Standpipe | 6 | 0 | 02-Aug-16 A | 11-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON210-2085 | South Portal - Backfill | 7 | 0 | 08-Aug-16 A | 15-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON210-2080 | South Portal - Sump Pump | 6 | 0 | 15-Aug-16 A | 20-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Section 220 - Tunnel Finishes | | 35 | 8 | 23-Mar-16 A | 02-Sep-16 | 0 | -59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON220-2080 | Handrails / Doors / Waterline | 35 | 8 | 23-Mar-16 A | 02-Sep-16 | 0 | -71 | Handrails / Doors / Waterline, Handrails / Doors / Waterline | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON220-2175 | Disconnect Switch Platform - NOB | 3 | 0 | 27-Apr-16 A | 30-May-16 A | | | Disconnect Switch Platform - NOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Section 230 - North Transition Tunnel (518+735 to 518+825) - 90m | | 162 | 100 | 16-May-16 A | 23-Dec-16 | 0 | 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Transition Tunnel | | 162 | 100 | 16-May-16 A | 23-Dec-16 | 0 | 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | North Portal Structure (Post TBM) | | 162 | 100 | 16-May-16 A | 23-Dec-16 | 0 | 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2185 | North Portal - Center Wall - F/P/S | 10 | 0 | 16-May-16 A | 27-May-16 A | | | North Portal - Center Wall - F/P/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2135 | North Portal - Inbound Parapet - F/P/S | 5 | 0 | 30-May-16 A | 07-Jun-16 A | | | North Portal - Inbound Parapet - F/P/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2190 | North Portal - Outbound Parapet - F/P/S | 5 | 0 | 30-May-16 A | 07-Jun-16 A | | | North Portal - Outbound Parapet - F/P/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2145 | North Portal - Transition - F/R/P - (Double Shift) | 7 | 0 | 04-Jun-16 A | 10-Jun-16 A | | | North Portal - Transition - F/R/P - (Double Shift) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2130 | North Portal - Duct Bank Conduit and Backfill | 6 | 0 | 06-Jun-16 A | 10-Jun-16 A | | | North Portal - Duct Bank Conduit and Backfill | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2150 | North Portal - Roof - F/R/P - (Double Shift) | 9 | 0 | 13-Jul-16 A | 29-Jul-16 A | | | North Portal - Roof - F/R/P - (Double Shift) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2155 | North Portal - Roof - Cure and Strip | 11 | 0 | 30-Jul-16 A | 08-Aug-16 A | | | North Portal - Roof - Cure and Strip | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2160 | North Portal - Chamfers | 8 | 0 | 11-Aug-16 A | 13-Aug-16 A | | | North Portal - Chamfers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2165 | North Portal - Standpipe | 6 | 0 | 15-Aug-16 A | 20-Aug-16 A | | | North Portal - Standpipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2170 | North Portal - Backfill | 12 | 0 | 15-Aug-16 A | 20-Aug-16 A | | | North Portal - Backfill | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2175 | North Portal - Slope Restoration | 21 | 52 | 20-Aug-16 A | 26-Oct-16 | 0 | 230 | North Portal - Slope Restoration, North Portal - Slope Restoration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON230-2180 | North Portal and Restoration | 48 | 48 | 27-Oct-16 | 23-Dec-16 | 230 | 230 | North Portal and Restoration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Propulsion Power Substations (PPS) | | 10 | 10 | 25-Aug-16 | 08-Sep-16 | 0 | -65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PPS - Burquitlam Substation (stand alone) | | 10 | 10 | 25-Aug-16 | 08-Sep-16 | 0 | -65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | General Mech/Elec Equipment | | 10 | 10 | 25-Aug-16 | 08-Sep-16 | 0 | -65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CON909060 | BQZ - Electrical & Mechanical - Testing & Commissioning | 10 | 10 | 25-Aug-16* | 08-Sep-16 | 0 | -65 | BQZ - Electrical & Mechanical - Testing & Commissioning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Trackwork (track, LIM, power rail, walkway) | | 78 | 14 | 16-May-16 A | 14-Sep-16 | 0 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Testing & Commissioning Area 2 (Sta. 516+416 to Sta. 519+730) | | 78 | 14 | 16-May-16 A | 14-Sep-16 | 0 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prep for Mainline Operations | | 78 | 14 | 16-May-16 A | 14-Sep-16 | 0 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Walkway Installation (In Tunnel Section) | | 20 | 0 | 16-May-16 A | 27-May-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK161380 | Sec150 - CIP Walkway | 20 | 0 | 16-May-16 A | 27-May-16 A | | | Sec150 - CIP Walkway | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Drilling and Coring | | 93 | 17 | 19-May-16 A | 14-Sep-16 | 0 | 313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Running Rail | | 40 | 0 | 24-May-16 A | 21-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Drilling | | 27 | 0 | 24-May-16 A | 15-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164425 | Sec220 - Outbound - Drill and Core Inserts (518+862 to 517+700) - NOB | 12 | 0 | 24-May-16 A | 04-Jun-16 A | | | Sec220 - Outbound - Drill and Core Inserts (518+862 to 517+700) - NOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164430 | Sec220 - Outbound - Drill and Core Inserts (517+700 to 516+416) - SOB | 11 | 0 | 01-Jun-16 A | 15-Jun-16 A | | | Sec220 - Outbound - Drill and Core Inserts (517+700 to 516+416) - SOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Grinding | | 24 | 0 | 03-Jun-16 A | 21-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164435 | Sec220 - Outbound - Concrete Grinding for Pad (518+862 to 517+700) - NOB | 12 | 0 | 03-Jun-16 A | 11-Jun-16 A | | | Sec220 - Outbound - Concrete Grinding for Pad (518+862 to 517+700) - NOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164440 | Sec220 - Outbound - Concrete Grinding for Pads (517+700 to 516+416) - SOB | 12 | 0 | 13-Jun-16 A | 21-Jun-16 A | | | Sec220 - Outbound - Concrete Grinding for Pads (517+700 to 516+416) - SOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LIM | | 43 | 0 | 19-May-16 A | 18-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK161435 | Sec210 to 310 - Outbound - Layout Drill/Core Locations (518+862 to 517+700) - NOB | 15 | 0 | 19-May-16 A | 02-Jun-16 A | | | Sec210 to 310 - Outbound - Layout Drill/Core Locations (518+862 to 517+700) - NOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164500 | Sec210 to 310 - Outbound - Layout Drill/Core Locations (517+700 to 516+416) - SOB | 15 | 0 | 03-Jun-16 A | 18-Jun-16 A | | | Sec210 to 310 - Outbound - Layout Drill/Core Locations (517+700 to 516+416) - SOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Power Rail | | 65 | 17 | 08-Jun-16 A | 14-Sep-16 | 0 | 313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK161465 | Sec210 to 310 - Outbound - Layout PRL Brackets & Drill Inserts - SOB/NOB | 17 | 0 | 08-Jun-16 A | 25-Aug-16 | 0 | 330 | Sec210 to 310 - Outbound - Layout PRL Brackets & Drill Inserts - SOB/NOB, Sec210 to 310 - Outbound - Layout PRL Brackets & Drill Inserts - SOB/NOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK162950 | Sec210 to 310 - Inbound - Layout PRL Brackets & Drill Inserts - SIB/NIB | 17 | 17 | 25-Aug-16 | 14-Sep-16 | 313 | 313 | Sec210 to 310 - Inbound - Layout PRL Brackets & Drill Inserts - SIB/NIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | As-Built Survey and Best Fit | | 84 | 8 | 25-May-16 A | 02-Sep-16 | 0 | 314 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164445 | Sec210 to 310 - Inbound - As-Built Survey and Best Fit (516+416 to 517+700) - SIB | 8 | 0 | 25-May-16 A | 02-Jun-16 A | | | Sec210 to 310 - Inbound - As-Built Survey and Best Fit (516+416 to 517+700) - SIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK162870 | Sec210 to 310 - Inbound - As-Built Survey and Best Fit (517+700 to 518+862) - NIB | 8 | 0 | 03-Jun-16 A | 14-Jun-16 A | | | Sec210 to 310 - Inbound - As-Built Survey and Best Fit (517+700 to 518+862) - NIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK161385 | Sec210 to 310 - Outbound - As-Built Survey and Best Fit (518+862 to 517+700) - NOB | 8 | 0 | 22-Jun-16 A | 25-Aug-16 | 0 | 314 | Sec210 to 310 - Outbound - As-Built Survey and Best Fit (518+862 to 517+700) - NOB, Sec210 to 310 - Outbound - As-Built Survey and Best Fit (518+862 to 517+700) - NOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164450 | Sec210 to 310 - Outbound - As-Built Survey and Best Fit (517+700 to 516+416) - SOB | 8 | 8 | 25-Aug-16 | 02-Sep-16 | 0 | 314 | Sec210 to 310 - Outbound - As-Built Survey and Best Fit (517+700 to 516+416) - SOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Pre-Shim and Install DF Fasteners | | 43 | 0 | 23-May-16 A | 25-Aug-16 | 0 | -75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK162875 | Sec210 to 310 - Inbound - Preshim and Install DF Fasteners (517+700 to 518+862) - NIB | 8 | 0 | 23-May-16 A | 02-Jun-16 A | | | Sec210 to 310 - Inbound - Preshim and Install DF Fasteners (517+700 to 518+862) - NIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK161390 | Sec210 to 310 - Outbound - Preshim and Install DF Fasteners (518+862 to 517+700) - NOB | 6 | 0 | 13-Jun-16 A | 21-Jun-16 A | | | Sec210 to 310 - Outbound - Preshim and Install DF Fasteners (518+862 to 517+700) - NOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRK164460 | Sec210 to 310 - Outbound - Preshim and Install DF Fasteners (517+700 to 516+416) - SOB | 5 | 0 | 22-Jun-16 A | 25-Aug-16 | 0 | -75 | Sec210 to 310 - Outbound - Preshim and Install DF Fasteners (517+700 to 516+416) - SOB, Sec210 to 310 - Outbound - Preshim and Install DF Fasteners (517+700 to 516+416) - SOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Main Alignment | | 54 | 13 | 16-May-16 A | 13-Sep-16 | 0 | 301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Section 210 to Section 310 (518+862 to 516+690) | | 54 | 13 | 16-May-16 A | 13-Sep-16 | 0 | 301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inbound | | 29 | 0 | 27-May-16 A | 23-Jul-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Remaining Level of Effort

Actual Level of Effort

Primary Baseline

Actual Work

Remaining Work

Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

Page 4 of 10
Printed - 08-Sep-16


Remaining Level of Effort
Primary Baseline
Remaining Work
Actual Level of Effort
Actual Work
Critical Remaining Work

[illegible]

| Activity ID | Activity Name | OD | RD | Start | Finish | FF | TF | 2016 | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C102005 | | | 24-Sep-16 | 03-Oct-16 | 2 | -72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



ATTACHMENT C
ACTIVITY CHANGES
DISCONTINUED

ATTACHMENT D
LOGIC CHANGES
DISCONTINUED

Withheld pursuant to/removed as

Attachment F

Environmental Management

Permitting Status – Key Active Permits (expired or otherwise inactive permits are shown in grayscale font)

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|------------------|--|
| Federal | | | |
| DFO Authorization – to authorize harmful alteration or disruption, or the destruction, of fish habitat (HADD) | <i>Fisheries Act</i> ¹ , Subsection 35(2)(b) | July 11, 2013 | The DFO Authorization (#06-HPAC-PA1-00001) was signed by DFO and the Ministry of Transportation and became effective on July 18, 2013. The Permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to address design developments and method changes that occurred after issuance of the Authorization on July 18, 2013 | <i>Fisheries Act</i> , Subsection 35(2)(b) | January 24, 2014 | DFO amended Authorization No. 06-HPAC-PA1-00001 on January 27, 2014. The Amendment expires on Dec. 31, 2016. |
| Request for DFO review of final proposed habitat compensation for the Project (including various changes to habitat compensation as compared to the habitat compensation described in the Project Authorization #06-HPAC-PA1-00001 as amended on January 27, 2014). | <i>Fisheries Act</i> , Subsection 35(2)(b) | April 30, 2015 | On May 21, 2015 DFO issued a letter to the Province accepting all of EGRT's proposed changes. The updated habitat compensation supersedes the compensation described in the Project Authorization #06-HPAC-PA1-00001 (as amended on January 27, 2014) but all other conditions of the Authorization continue to apply. The Authorization expires on Dec. 31, 2016. |
| Request to DFO for variance from DFO Authorization No. 06-HPAC-PA1-00001: request to start water line relocation at Schoolhouse Creek in last week of July 2016, prior to the start of the 2016 least-risk fisheries window. | <i>Fisheries Act</i> , Subsection 35(2)(b) | July 18, 2016 | DFO issued a "no objection" on July 20, 2016. The variance applies only to the last week of July 2016, which is now past. |

¹ Amendments to the *Fisheries Act* came into effect on November 2013 that repealed the HADD provisions of Subsection 35(2). However, DFO Authorization #06-HPAC-PA1-00001 is grandfathered under the amended Act and remains in effect.

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|-------------------|--|
| DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | June 25, 2013 | The permit (#XR 239-2013) was received on July 8, 2013. The permit expired on June 30 2014. A new permit was obtained (see row below). |
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | March 18, 2014 | The permit (#XR 239-2014) was received on March 21, 2014. Note this permit supersedes #XR 239-2013 (see row above). |
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | January 8, 2015 | The permit (#XR 71 2014 – Amendment 2) was received on January 15, 2015. Subsequently, the Permit was further amended to include road works and culvert installation at Pinnacle Creek, The Permit expired on December 31, 2015. |
| DFO Permit to allow fish salvage during habitat compensation construction at Schoolhouse Creek. | <i>Fisheries Act, Fishery (General) Regulation</i> | December 24, 2015 | The permit (XR 376 2015) was received on December 28, 2015. The permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to allow instream works at Kyle Creek from Oct. 1 – 15, 2013 | <i>Fisheries Act, Subsection 35(2)</i> | Sept. 30, 2013 | Email amendment was received from DFO on Sept. 30, 2013. The relevant work is complete. |
| Request for DFO review of proposed out-of-window instream work at Tributary to Suterbrook Creek (to begin construction of instream Pier P3-15) | <i>Fisheries Act, Subsection 35(2)(b);</i> DFO Authorization No. 06-HPAC-PA1-00001 | January 27, 2014 | DFO issued a “no objection” email to the Province on January 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct instream works to build Utility 4011 outside the least risk window specified in DFO Authorization #06-HPAC-PA1-00001) | <i>Fisheries Act, Subsection 35(2)(b)</i> | March 25, 2014 | DFO issued a “no objection” email to the Province on March 25, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Scott Creek (work to be completed no later than | <i>Fisheries Act, Subsection 35(2)(b);</i> DFO Authorization No. 06-HPAC-PA1-00001 | August 20, 2014 | DFO issued a “no objection” email to EGRT on August 21, 2014. The relevant |

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|--------------------|---|
| October 10, 2014) | | | work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than October 30, 2014) | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | August 28, 2014 | DFO issued a “no objection” email to the Province on August 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than November 16, 2014) | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | October 28, 2014 | DFO issued a “no objection” email to the Province on October 28, 2014. The relevant work is complete. |
| Request to DFO to allow instream works to occur outside the least-risk fisheries window at Scott Creek (to install bank stabilization). | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | January 29, 2015 | DFO issued a “no objection” email to the EGRT on January 30, 2015. The relevant work is complete. |
| Provincial | | | |
| Ministry of Forests, Lands and Natural Resource Operations (FLNR) Approval to allow changes in and about a stream (major works) at Kyle Creek, Suterbrook Creek, Scott Creek and “Mariner Pond” | <i>Water Sustainability Act</i> ² , Section 11 | May 27, 2013 | Approval (#A2006043) was received on July 24, 2013. The Approval expires Dec. 31, 2016. |
| Order amending Approval A2006043 to allow instream works to occur outside the least-risk fisheries window | <i>Water Sustainability Act</i> , Section 11 | September 30, 2013 | The Order was received on Sept. 30, 2013. The Order applies to all watercourses affected by the Project. The Order expires Dec. 31, 2016. |
| Approval to construct habitat compensation at Hoy Creek. | <i>Water Sustainability Act</i> , Section 11 | May 14, 2015 | Approval (#A2006297) was received on July 23, 2015. The Approval expires Dec. 1, 2016. |
| Approval to construct habitat compensation at Schoolhouse Creek. | <i>Water Sustainability Act</i> , Section 11 | May 15, 2015 | Approval (#2006301) was received on December 21, 2015. The Approval expires Dec. 1, 2017. |
| Notification to FLNR Habitat Officer to allow changes in and about a stream (GVSD storm system repairs) – Ottley Creek | <i>Water Sustainability Act</i> , Section 11 Water Sustainability Regulation, Part 3 | June 21, 2016 | Notification was assigned file # 100169648. FLNR green-lighted the work |

² A new *Water Sustainability Act* came into force in early 2016 that updated and replaced the historic *Water Act*. Approvals shown in this matrix were all issued pursuant to section 9 of the *Water Act*. Those that remain active are grandfathered under the WSA. Section 11 of the WSA is now the relevant Section. The matrix has been updated to show the Approvals are pursuant to the WSA, Section 11. Similarly, the Water Regulation was replaced by the Water Sustainability Regulation. Except for the Notification shown for culvert repairs at Ottley Creek (June 21, 2016), all the Notifications shown in the matrix were originally submitted pursuant to Part 7 of the Water Regulation. The applicable regulation is now Part 3 of the Water Sustainability Regulation, as shown in this matrix.

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|-------------------|--|
| | | | in an email dated July 21, 2016. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Schoolhouse Creek | Water Sustainability Regulation, Part 3 | May 17, 2013 | The Permit (FLRN tracking #2013-104) has expired and is superseded by a new Notification (see row below). |
| Notification to FLNR to allow changes in and about a stream (drainage, PPS and road works) – Schoolhouse Creek | Water Sustainability Regulation, Part 3 | Dec. 10, 2013 | The Permit (FLRN tracking #124843) is now in place and supersedes #2013-104 (see row above). The Notification expired Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Permit (FLRN tracking #111384) has expired and is superseded by a new Notification (see row below). |
| Notification to FLNR to allow changes in and about a stream (changes to guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | November 14, 2013 | The Permit (FLRN tracking #120176) is now in place and supersedes #111384 (see row above). The Notification expired on Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Permit (FLRN tracking #112669) expired on September 30, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145189) and became active on October 1, 2014 superseding the previous Notification. The Notification expired Dec. 31, 2015. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | June 14, 2013 | The Permit (FLRN tracking #112669) is now in place. The Notification expired on May 15, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Notification expired on December 31, 2015. |

| Permit Description | Act/Regulation | Application Date | Status |
|---|--|-------------------|---|
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Notification (FLNR Tracking #111383) expired on September 30, 2014 and is superseded by an updated Notification which becomes active on Oct 1, 2014 (see row below). |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145190) and became active on October 1, 2014 superseding the previous Notification. The new Notification expired on Apr. 30, 2015. |
| FLNR Permit to allow fish salvage (intended for habitat construction at Schoolhouse Creek) | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | December 23, 2015 | The Permit (#SU16-223632) was issued on February 9, 2016. It expires Dec. 31, 2016. |
| FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | June 25, 2013 | The Permit (#SU13-88489) was issued on July 16, 2013. The Permit is superseded by the Amendment extension (see row below). |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | March 4, 2014 | The Permit (#SU13-88489) was issued on March 6, 2014. The Permit expired on June 29, 2015. |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | January 15, 2015 | The Permit (#SU15-165242) was issued on February 12, 2015 Note this permit superseded #SU13-88489 (see row above). The Permit expired on December 31, 2015. |
| FLNR Permit to allow wildlife salvage | <i>Wildlife Act</i> , Permit Regulation, Section 2 | May 13, 2013 | The Permit (#SU13-87792) was issued on July 9, 2013. The Permit expired on July 1, 2014 and has not been renewed as wildlife salvage is no |

| Permit Description | Act/Regulation | Application Date | Status |
|---|--|-------------------|---|
| | | | longer required. |
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | April 4, 2013 | The Permit was issued on June 18, 2013. The Permit expired Dec. 31, 2014. |
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | August, 2014 | The Permit was amended on August 28, 2014. The Permit expired June 30, 2015. The final report has been submitted to Archaeology Branch and relevant First Nations. |
| Regional/Municipal | | | |
| Waste Discharge Permit | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | November 26, 2013 | The Permit (#SC-100914-FSA) was issued on February 17, 2014. The Permit does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and EGRT advised Metro Vancouver of this on July 27, 2016. Metro Vancouver sent a letter to EGRT dated August 24, 2016 cancelling the Permit. |
| Waste Discharge Permit – amendment to include additional scope. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | April 10, 2014 | The Permit (#SC-100914-FSA) was amended on April 28, 2014. The Amendment does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and the Permit was cancelled on July 27, 2016. |
| Waste Discharge Permit – Minor Amendment to include additional treatment components (including a clarifier, mixing tank and filter press) and to address a change in sampling location. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | July 29, 2014 | The Minor Amendment to the Permit (#SC-100914-FSA) was issued on August 13, 2014. The Permit does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and |

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|------------------|---|
| | | | the Permit was cancelled on July 27, 2016. |
| Waste Discharge Permit (one time request to discharge groundwater associated with the dewatering operation at Clarke Rd and Seaview Dr.). | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | March 27, 2015 | Metro Vancouver issued a Waste Discharge Permit (No. SC-100990-FSA) to EGRT on April 2, 2015. The Permit expired on May 15, 2015. |
| Waste Discharge Permit – Minor Amendment to extend the Permit end-date to July 31, 2015. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | May 2, 2015 | Metro Vancouver issued a Minor Amendment to Permit No. SC-100990-FSA on May 15, 2015. The Permit expired on July 31, 2015. |
| Waste Discharge Permit – Major Amendment to extend the Permit end-date to Sept. 30, 2015 and increase the total allowed discharge to sanitary system. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | July 22, 2015 | Metro Vancouver issued a Major Amendment to Permit No. SC-100990-FSA on Aug. 11, 2015. The Permit expired on Sept. 30, 2015. |
| Other | | | |
| Tsleil-Waututh Nation - Heritage Investigation Permit | N/A | July 2, 2014 | An amendment to the Permit (#2013-014) was issued on October 3, 2014. Archaeological investigation and monitoring are complete. |
| Sto:Lo First Nation - Heritage Investigation Permit | N/A | May 6, 2013 | Permit (#2013-031) was issued on June 4, 2013. Archaeological investigation and monitoring are complete. |

ATTACHMENT G

Four Month Look Ahead
Audit Schedule

DISCONTINUED
See Section 8.2

Attachment H

Table 3 – Quality Audits

| Audit Report Number | Discipline | Auditor | Auditee | Audit Date | NCR's Raised | OFI's Raised |
|-----------------------------|------------|---------|----------------------|------------|--------------|--------------|
| 511325-00000-SWSL-38QB-0001 | Design | EGRT | SNC Lavalin | 23-Apr-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0002 | Design | EGRT | SNC Lavalin | 03-May-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0003 | Design | EGRT | IBT | 11-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0004 | Design | EGRT | MMM | 06-Jun-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0005 | Design | EGRT | EBA | 04-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0006 | Design | EGRT | Fast+Epp | 25-Jun-13 | 1 | 0 |
| 511325-00000-SWSL-38QB-0007 | Design | EGRT | Jacobs | 18-Jun-13 | 1 | 1 |
| 511325-00000-SWSL-38QB-0008 | Design | EGRT | RJC | 18-Jul-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0009 | Design | EGRT | Francel Architecture | 23-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0010 | Design | EGRT | Perkin + Will | 14-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0011 | Design | EGRT | Dialogue | 22-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0012 | Design | EGRT | AES | 24-Sep-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0013 | Design | EGRT | SNC Lavalin | 19-Dec-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0014 | Design | EGRT | SNC Lavalin | 30-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0015 | Design | EGRT | SNC Lavalin | 10-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0016 | Design | EGRT | SNC Lavalin | 06-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0017 | Design | EGRT | SNC Lavalin | 25-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0018 | Design | EGRT | SNC Lavalin | 27-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0019 | Design | EGRT | SNC Lavalin | 25-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0020 | Design | EGRT | Jacobs | 12-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0021 | Design | EGRT | MMM Group | 23-Sept-14 | 1 | 0 |
| 511325-00000-SWSL-38QB-0022 | Design | EGRT | SNCL Electrical | 27-Nov-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0023 | Design | EGRT | SNC Lavalin | 6-Feb-15 | 2 | 1 |

| | | | | | | |
|-----------------------------|---------------|------|--------------|------------|---|----|
| 511325-00000-SWSL-38QB-0025 | Design | EGRT | SLCW-SW | 5-Aug-15 | - | 1 |
| 511325-00000-SWSL-38QB-0026 | Design | EGRT | SLCW-SW | 2-Nov-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0101 | Environmental | EGRT | EGRT | 20-Aug-13 | 0 | 4 |
| 511325-00000-SWSL-38QB-0102 | Environmental | EGRT | SGJV | 13-Sep-13 | 1 | 14 |
| 511325-00000-SWSL-38QB-0103 | Environmental | EGRT | SLCW-GST | 03-Oct-13 | 0 | 11 |
| 511325-00000-SWSL-38QB-0104 | Environmental | EGRT | EGRT | 25-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0105 | Environmental | EGRT | SLCW-GST | 16-Jan-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0106 | Environmental | EGRT | SGJV | 04-Feb-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0107 | Environmental | EGRT | SLCW-EG | 07-Feb-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0108 | Environmental | EGRT | SSJV | 28-Feb-14 | 0 | 10 |
| 511325-00000-SWSL-38QB-0109 | Environmental | EGRT | EGRT | 11-Apr-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0110 | Environmental | EGRT | SLCW-GST | 6-May-14 | 0 | 2 |
| 511325-00000-SWSL-38QB-0111 | Environmental | EGRT | SGJV | 8-May-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0112 | Environmental | EGRT | SSJV | 24-Jun-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0113 | Environmental | EGRT | SLCW-EG | 8-Sept-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0114 | Environmental | EGRT | SLCW-GST | 25-Sept-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0115 | Environmental | EGRT | SGJV | 27-Oct-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0116 | Environmental | EGRT | SSJV | 9-Jan-15 | 0 | 1 |
| 511325-00000-SWSL-38QB-0117 | Environmental | EGRT | SLCW-GST | 30-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0118 | Environmental | EGRT | SGJV | 6-Mar-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0119 | Environmental | EGRT | SLCW-EG | 30-Apr-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0120 | Environmental | EGRT | SLCW-GST | 4-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0121 | Environmental | EGRT | SSJV | 26-Jun-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0122 | Environmental | EGRT | DBC | 24-Aug-15 | - | - |
| 511325-00000-SWSL-38QB-0123 | Environmental | EGRT | SSJV | 5-Nov-15 | 1 | 1 |
| 511325-00000-SWSL-38QB-0124 | Environmental | EGRT | SLCW-GST-TFO | 16-Apr-08 | 1 | 3 |
| 511325-00000-SWSL-38QB-0201 | Traffic | EGRT | SGJV | 04-Jun-13 | 0 | 2 |

| | | | | | | |
|-----------------------------|------------------|----------|---------------|-----------|---|---|
| 511325-00000-SWSL-38QB-0202 | Traffic | EGRT | SLCW-GST | 09-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0203 | Transit Facility | EGRT | SLCW-GST | 25-Sep-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0204 | Traffic | EGRT | SLCW-GST | 26-Sep-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0205 | Traffic | EGRT | SGJV | 13-Nov-13 | 2 | 1 |
| 511325-00000-SWSL-38QB-0206 | Transit Facility | EGRT | SLCW-GST | 22-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0207 | Transit Facility | EGRT | SLCW-GST | 09-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0208 | Traffic | EGRT | SLCW-GST | 23-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0209 | Transit Facility | EGRT | SLCW-GST | 20-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0210 | Traffic | EGRT | SLCW-EG | 12-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0211 | Traffic | EGRT | SLCW-EG | 13-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0212 | Traffic | EGRT | SSJV | 15-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0213 | Traffic | EGRT | SSJV | 15-Dec-15 | 1 | 0 |
| 511325-00000-SWSL-38QB-0214 | Traffic | EGRT | SLCW-GST | 23-Feb-16 | 0 | 0 |
| 511326-00000-SWSG-38QB-0301 | Construction | SGJV | SGJV | 30-May-13 | 0 | 3 |
| 511325-00000-SWSL-38QB-0302 | Construction | EGRT | EGRT | 13-Jun-13 | 0 | 3 |
| 511327-00000-SWSR-38QB-0303 | Construction | SLCW-EG | Armtec | 14-Jun-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0304 | Construction | SLCW-GST | SLCW-GST | 24-Jun-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0305 | Construction | SLCW-GST | SLCW-GST | 23-Jul-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0306 | Construction | SLCW-GST | Canron | 28-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0307 | Construction | SGJV | SGJV | 13-Aug-13 | 0 | 2 |
| 511326-00000-SWSG-38QB-0308 | Construction | SGJV | SGJV | 15-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0309 | Construction | SGJV | Pedre | 09-Aug-13 | 0 | 6 |
| 511326-00000-SWSG-38QB-0310 | Construction | SGJV | Armtec | 27-Sep-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0311 | Construction | SLCW-GST | Metro Testing | 03-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0312 | Construction | SGJV | SGJV | 25-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0313 | Construction | SGJV | SGJV | 14-Nov-13 | 0 | 0 |
| 511328-00000-SWSS-38QB-0314 | Construction | SSJV | SSJV | 08-Nov-13 | 1 | 3 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------------|-----------|---|----|
| 511414-00000-SWGS-38QB-0315 | Construction | SLCW-GST | SLCW-GST | 03-Dec-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0316 | Construction | SLCW-GST | SLCW-GST | 05-Dec-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0317 | Construction | SGJV | SGJV | 21-Nov-13 | 0 | 1 |
| 511327-00000-SWSR-38QB-0318 | Construction | SLCW-EG | Harris PT | 25-Nov-13 | 0 | 4 |
| 511327-00000-SWSR-38QB-0319 | Construction | SLCW-EG | SLCW-EG | 28-Nov-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0320 | Construction | SGJV | SGJV | 12-Dec-13 | 0 | 0 |
| 511327-00000-SWSR-38QB-0321 | Construction | SLCW-EG | SLCW-EG | 13-Jan-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0322 | Construction | SSJV | SSJV | 06-Dec-13 | 0 | 4 |
| 511326-00000-SWSG-38QB-0323 | Construction | SGJV | SGJV | 29-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0324 | Construction | SGJV | AGI | 4-Mar-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0325 | Construction | SSJV | SSJV | 21-Jan-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0326 | Construction | SSJV | SSJV | 28-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0327 | Construction | SGJV | SGJV | 25-Feb-14 | 0 | 3 |
| 511326-00000-SWSG-38QB-0328 | Construction | SGJV | Keller Pile Driving | 24-Apr-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0329 | Construction | SLCW-GST | Stasuk Testing & Inspection Ltd. | 12-Mar-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0030 | Construction | EGRT | SLCW-GST | 28-Mar-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0331 | Construction | SLCW-EG | SLCW-EG | 7-Mar-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0332 | Construction | SSJV | APS | 20-Mar-14 | 0 | 15 |
| 511326-00000-SWSG-38QB-0333 | Construction | SGJV | SGJV | 25-Apr-14 | 0 | 3 |
| 511414-00000-SWGS-38QB-0334 | Construction | SLCW-GST | AMEC | 15-Apr-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0335 | Construction | SLCW-GST | Armtec | 16-May-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0336 | Construction | SGJV | SGJV | 19-Jun-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0337 | Construction | SLCW-EG | SLCW-EG | 20-Jun-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0338 | Construction | SLCW-EG | SLCW-EG | 26-Jun-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0339 | Construction | DBC | SLCW-GST | 8-Jul-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0340 | Construction | SLCW-SW | SLCW-SW | 24-Jul-14 | 0 | 0 |

| | | | | | | |
|-----------------------------|--------------|----------|-----------------------------|------------|---|---|
| 511414-00000-SWGS-38QB-0341 | Construction | SLCW-GST | Surespan | 12-Aug-14 | 0 | 2 |
| 511327-00000-SWSR-38QB-0342 | Construction | SLCW-EG | Harris-PT | 31-Jul-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0343 | Construction | SGJV | SGJV | 12-Aug-14 | 0 | 3 |
| 511414-00000-SWSG-38QB-0344 | Construction | SLCW-GST | SLCW-GST | 19-Aug-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0345 | Construction | SLCW-SW | Prime Engineering | 9-Oct-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0346 | Construction | SLCW-EG | Metro Testing Ltd. | 10-Oct-14 | 1 | 3 |
| 511328-00000-SWSS-38QB-0347 | Construction | SSJV | SSJV | 23-Sept-14 | 0 | 6 |
| 511414-00000-SWGS-38QB-0348 | Construction | SLCW-GST | LMS Reinforcing Steel Group | 07-Oct-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0349 | Construction | SLCW-GST | SLCW-GST | 15-Oct-14 | 1 | 0 |
| 511328-00000-SWSS-38QB-0350 | Construction | SSJV | SSJV | 21-Oct-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0351 | Construction | DBC | SLCW-GST | 7-Nov-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0352 | Construction | SSJV | APS | 6-Nov-14 | 0 | 8 |
| 511326-00000-SWSG-38QB-0353 | Construction | SGJV | SGJV | 7-Nov-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0354 | Construction | SGJV | Harris Rebar | 22-Oct-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0355 | Construction | SSJV | SSJV | 4-Nov-14 | 0 | 8 |
| 511325-00000-SWSL-38QB-0356 | Construction | DBC | SLCW-GST | 28-Nov-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0357 | Construction | SLCW-GST | SLCW-GST | 05-Dec-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0358 | Construction | SLCW-EG | SLCW-EG | 20-Nov-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0359 | Construction | SSJV | SSJV | 14-Nov-14 | 0 | 5 |
| 511414-00000-SWGS-38QB-0360 | Construction | SLCW-GST | SLCW-GST | 28-Nov-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0361 | Construction | SLCW-SW | SLCW-SW | 09-Dec-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0362 | Construction | SGJV | SGJV | 12-Dec-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0363 | Construction | SLCW-SW | SLCW-SW | 22-May-15 | 0 | 1 |
| 511414-00000-SWSW-38QB-0364 | Construction | SLCW-SW | WPE | 22-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0365 | Construction | SLCW-GST | Western Archib | 10-Feb-15 | 0 | 2 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------|-----------|---|---|
| 511414-00000-SWGS-38QB-0366 | Construction | SLCW-GST | Pattison Sign Group | 18-Feb-15 | 0 | 1 |
| 511327-00000-SWSR-38QB-0367 | Construction | SLCW-EG | SLCW-EG | 16-Feb-15 | 0 | 0 |
| 511326-00000-SWSG-38QB-0368 | Construction | SGJV | SGJV | 5-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0369 | Construction | DBC | SLCW-GST | 16-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0370 | Construction | SLCW-GST | Acuren Group Inc | 8-Apr-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0371 | Construction | SLCW-GST | SLCW-GST | 24-Apr-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0372 | Construction | SLCW-GST | Metro Testing Laboratories | 29-Apr-15 | 0 | 0 |
| 511328-00000-SWSS-38QB-0373 | Construction | SLCW-GST | SLCW-GST | 5-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0374 | Construction | SLCW-GST | Houle Electric | 28-Aug-15 | 0 | 2 |
| 511328-00000-SWSS-38QB-0375 | Construction | SSJV | SSJV | 22-Apr-15 | 0 | 2 |
| 511327-00000-SWSR-38QB-0376 | Construction | SLCW-EG | SLCW-EG | 13-Jul-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0377 | Construction | DBC | SLCW-GST | 2-Jun-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0378 | Construction | SLCW-GST | Flynn Canada Ltd | 16-Jul-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0379 | Construction | DBC | SLCW-GST | 6-Aug-15 | - | 2 |
| 511414-00000-SWGS-38QB-0380 | Construction | SLCW-GST | SLCW-GST | 22-Dec-15 | 0 | 2 |
| 511414-00000-SWGS-38QB-0381 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0382 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWSW-38QB-0383 | Construction | SLCW-SW | WPE | 4-Dec-15 | - | - |
| 511414-00000-SWSW-38QB-0384 | Construction | SLCW-SW | Thales | 27-Nov-15 | - | 1 |
| 511414-00000-SWGS-38QB-0385 | Construction | SLCW-GST | SLCW-GST | 28-Jan-16 | 0 | 0 |
| 511414-00000-SWSW-38QB-0386 | Construction | SLCW-SW | SLCW-SW | 26-Jan-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0387 | Construction | SLCW-GST | SLCW-GST | 11-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0388 | Construction | SLCW-GST | SLCW-GST | 16-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0389 | Construction | SLCW-GST | WPE | 19-Feb-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0390 | Construction | DBC | SLCW-SW | 26-Feb-16 | 0 | 0 |

| | | | | | | |
|-----------------------------|--------------|----------|----------|-----------|---|---|
| 511328-00000-SWSS-38QB-0391 | Construction | DBC | SSJV | 3-Mar-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0392 | Construction | SLCW-GST | SLCW-GST | 17-Mar-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0393 | Construction | EGRT | SLCW-SW | 16-Apr-08 | 0 | 0 |
| 511325-00000-SWSL-38QB-0394 | Construction | DBC | SLCW-GST | 19-Apr-16 | 0 | 0 |



**EVERGREEN LINE
RAPID TRANSIT PROJECT**

**MONTH END REPORT
SEPTEMBER 2016**

Prepared by: Joseph Sylva

Reviewed by: Alex Malyuk

Approved by: Alex Malyuk

Name

Signature

Document No. 511325-00000-SWSL-30RM-0045

Revision: 0

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Date: 16/10/07

TABLE OF CONTENTS

| | | |
|------------|---|-----------|
| 1.0 | Progress Overview | 5 |
| 1.1 | Summary of Issues..... | 5 |
| 2.0 | Design and Construction - Progress Against Project Schedule | 7 |
| 2.1 | Summary of Construction Events – By Segment | 7 |
| 2.2 | Major Project Milestones | 8 |
| 2.3 | Project-Wide..... | 8 |
| 2.3.1 | Design | 8 |
| 2.3.2 | Changes to the EGRT Project Schedule..... | 9 |
| 2.3.3 | Activity Changes..... | 9 |
| 2.3.4 | Logic Changes..... | 9 |
| 2.3.5 | Critical Path | 9 |
| 2.3.6 | Schedule Impacts | 9 |
| 2.4 | Passenger Stations | 9 |
| 2.5 | Other Fixed Facilities | 9 |
| 2.6 | Alignment | 9 |
| 2.6.1 | Segment 1 – Elevated Guideway / Loughheed Special Structure / South Portal Approach..... | 9 |
| 2.6.2 | Segment 2 – South Portal / Bored Tunnel / North Portal | 10 |
| 2.6.3 | Segment 3 – Reichhold Special Structure / At-Grade Guideway..... | 10 |
| 2.6.4 | Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam | 10 |
| 2.6.5 | Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures | 10 |
| 2.7 | Trackwork..... | 10 |
| 2.7.1 | Special Trackwork:..... | 10 |
| 2.7.2 | Mainline Trackwork: | 10 |
| 2.7.3 | LIM Rail | 10 |
| 2.7.4 | Power Rail | 10 |
| 2.7.5 | Walkway | 10 |
| 2.8 | Systems..... | 10 |
| 2.8.1 | Systems General | 10 |

| | |
|--|-----------|
| 2.8.2 Power Supply and Distribution | 11 |
| 2.8.3 Signalling / ATC..... | 11 |
| 2.8.4 Communications, SCADA, FLSS and WMS | 11 |
| 2.8.5 Tunnel Ventilation Systems and Stand Pipe System | 11 |
| 2.8.6 Design for BC Hydro Related Works..... | 11 |
| 2.8.7 Testing and Commissioning Planning and Procedures | 11 |
| 2.8.8 Systems Procurement | 12 |
| 2.8.9 Warranty and Training..... | 12 |
| 2.8.10 Spare Parts..... | 12 |
| 2.8.11 Construction | 12 |
| 2.9 Testing and Commissioning..... | 13 |
| 2.9.1 Progress Overview | 13 |
| 2.9.2 Submissions | 15 |
| 2.9.3 Beneficial Occupancy | 15 |
| 2.9.4 SUMMARY OF MAJOR ACCOMPLISHMENTS THIS MONTH | 15 |
| 2.9.5 Summary of Issues This Month..... | 15 |
| 2.9.6 Changes Since Last Month | 15 |
| 2.9.7 TRAINING | 16 |
| 2.10 Conclusion | 16 |
| 3.0 Environmental Management..... | 17 |
| 3.1 Permitting Status | 17 |
| 3.2 Environmental Management Summary..... | 17 |
| 3.3 Environmental Submittals to Province | 18 |
| 3.4 Amendment To Environmental Assessment Certificate | 19 |
| 3.5 Environmental Review of Design | 19 |
| 3.6 Environmental Management of Construction | 19 |
| 3.7 Environmental Incidents | 19 |
| 3.8 Environmental Inspection..... | 19 |
| 3.9 Compliance Summary | 20 |

| | | |
|------------|--|-----------|
| 4.0 | Communications and Community Relations..... | 21 |
| 4.1 | Traffic Management Communications..... | 21 |
| 4.2 | Public Consultation | 22 |
| 4.3 | Media Relations | 22 |
| 5.0 | First Nation Engagement | 23 |
| 5.1 | Performance Overview by Sub-contractor | 23 |
| 5.2 | Bid Report – Procurement Opportunities & Awards Detailed..... | 24 |
| 6.0 | Health and Safety..... | 30 |
| 6.1 | Summary of Safety Activities | 30 |
| 7.0 | Financial | 32 |
| 7.1 | Performance Incentive Payments | 32 |
| 7.2 | Milestone Payments | 32 |
| 7.3 | Change Management..... | 32 |
| 7.4 | Risk Management | 32 |
| 8.0 | Quality Assurance | 33 |
| 8.1 | Status of Quality Management System Activities..... | 33 |
| 8.2 | Audit Programme..... | 33 |
| 8.3 | Preventative Action Log..... | 34 |
| 8.4 | Summary of Inspection and Testing Activities | 34 |
| 8.4.1 | DBC | 35 |
| 8.4.2 | SLCW-GST..... | 35 |
| 8.4.3 | SLCW-SW | 35 |
| 8.5 | Nonconformity Reports and Corrective Action..... | 35 |
| 8.6 | Continual Improvement Initiatives | 36 |
| 9.0 | Project Photographs | 37 |

DISCLAIMER NOTE:

Nothing in this report constitutes a formal notice of claim by the Primary Contractor under its Agreement with the Province, including without limitation notice of claim arising from Supervening Event or Province Change.

1.0 PROGRESS OVERVIEW

This report covers project progress for the month of September 2016 (Payment Period 45). Design and construction progress is summarized below:

Project Summary:

Scope: 11 km of guideway, 6 new stations, 1 expanded station, 1 tunnel

Owner: Province of British Columbia / Translink

Physical Progress:

With the exception of the tunnel, all other areas of the project reached substantial completion by 29 February 2016 in accordance with the original schedule.

Overall 99% complete; working on 8 fronts; 45 months into the 46 month construction schedule.

Manpower: approximately 175 management and 525 craft labour.

Design

Overall design is 100% complete

Construction

- Segment 1: Testing & Commissioning near completion
- Segment 2: Testing & Commissioning underway
- Segment 3: Testing & Commissioning continues
- Segment 4: Testing & Commissioning continues
- Segment 5: Testing & Commissioning continues
- Stations: All stations are complete, only minor deficiencies remain.

1.1 SUMMARY OF ISSUES

Overall Schedule: an overall schedule update was conducted in April 2016 and results in a Substantial Completion date of 31 October 2016. This represents an 8 month extension from the baseline schedule. These 8 months are attributed as follows:

- 9 months for delays to tunnel excavation
- 1 month gain for tunnel finishes

The new Substantial Completion date of 31 October 2016 is 3 months later than the Substantial Completion Target Date in the Project Agreement. EGRT continues to assess the schedule and will mitigate impacts to the fullest extent possible.

The month of September 2016 showed good progress in tunnel finishes and gains in schedule were maintained. The Tunnel was turned over to the Testing and Commissioning group in early September.

2.0 DESIGN AND CONSTRUCTION - PROGRESS AGAINST PROJECT SCHEDULE

2.1 SUMMARY OF CONSTRUCTION EVENTS – BY SEGMENT

| Segment | Name | Total | Previous to Date | Progress This Month | Total to Date |
|---------|-----------------------------|-------|------------------|---------------------|---------------|
| 1 | Caissons | 64 | 64 | Complete | 64 |
| | Columns | 63 | 63 | Complete | 63 |
| | Spans | 57 | 57 | Complete | 57 |
| | Trackwork Installed | 4524 | 4524 | Complete | 4524 |
| | Walkways Installed | 4683 | 4683 | Complete | 4683 |
| | LIM Rail Installed | 4524 | 4524 | Complete | 4524 |
| | Power Rail Installed | 4524 | 4524 | Complete | 4524 |
| 2 | Meters of Tunnel Excavation | 1944 | 1944 | Complete | 1944 |
| | Infll Material Placed | 23477 | 23477 | Complete | 23477 |
| | Concrete Slab Poured | 4127 | 4127 | Complete | 4127 |
| | Trackwork Installed | 5540 | 5540 | Complete | 5540 |
| | Walkways Installed | 5540 | 5263 | 277 | 5540 |
| | LIM Rail Installed | 5540 | 5540 | Complete | 5540 |
| | Power Rail Installed | 5540 | 5540 | Complete | 5540 |
| 3 | Number of SMX Columns | 1826 | 1826 | Complete | 1826 |
| | Meters of Track Slab | 3725 | 3725 | Complete | 3725 |
| | Trackwork Installed | 3964 | 3964 | Complete | 3964 |
| | Walkways Installed | 3964 | 3964 | Complete | 3964 |
| | LIM Rail Installed | 3964 | 3964 | Complete | 3964 |
| | Power Rail Installed | 3964 | 3964 | Complete | 3964 |
| 4 | Number of Timber Piles | 6345 | 6345 | Complete | 6345 |
| | Meters of Track Slab | 2112 | 2112 | Complete | 2112 |
| | Trackwork Installed | 5282 | 5282 | Complete | 5282 |
| | Walkways Installed | 5282 | 5282 | Complete | 5282 |
| | LIM Rail Installed | 5282 | 5282 | Complete | 5282 |
| | Power Rail Installed | 5282 | 5282 | Complete | 5282 |
| 5 | Piles/Caissons | 73 | 73 | Complete | 73 |
| | Columns | 73 | 73 | Complete | 73 |
| | Spans | 52 | 52 | Complete | 52 |
| | Trackwork Installed | 3315 | 3315 | Complete | 3315 |
| | Walkways Installed | 3315 | 3315 | Complete | 3315 |
| | LIM Rail Installed | 3315 | 3315 | Complete | 3315 |
| | Power Rail Installed | 3315 | 3315 | Complete | 3315 |

| Segment | PPS Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
|---------|---------------------------|-----------|------------------|---------------------|---------------|
| 1 | LHZ | 100 | 100 | Complete | 100 |
| | BQZ | 100 | 100 | Complete | 100 |
| 3 | NPZ | 100 | 100 | Complete | 100 |
| 4 | FCZ | 100 | 100 | Complete | 100 |
| 5 | LAZ | 100 | 100 | Complete | 100 |
| Segment | Station Name | Total (%) | Previous to Date | Progress This Month | Total to Date |
| 1 | Lougheed Station | 100 | 100 | Complete | 100 |
| | Burquitlam Station | 100 | 100 | Complete | 100 |
| 3 | Port Moody Station | 100 | 100 | Complete | 100 |
| 4 | Inlet Centre Station | 100 | 100 | Complete | 100 |
| 5 | Coquitlam Central Station | 100 | 100 | Complete | 100 |
| | Lincoln Station | 100 | 100 | Complete | 100 |
| | Douglas/Lafarge Station | 100 | 100 | Complete | 100 |

2.2 MAJOR PROJECT MILESTONES

The schedule progress occurring for the period from August 25th to September 26th has an unchanged Anticipated Substantial Completion date of October 31st, 2016 from the past months progress.

| Milestone | Dec 12, 2012 Baseline | Sep 26, 2016 Progress Update | Δ (Business Days) |
|--|--------------------------|------------------------------------|-------------------------|
| Substantial Completion Target | 29-Jul-16 | 31-Oct-16 | -63 |
| Service Commencement Target | 30-Aug-16 | 30-Nov-16 | -63 |
| Total Completion Target | 31-Oct-16 | 31-Jan-17 | -62 |
| Availability Demonstration Completion Target | 30-Aug-17 | 29-Nov-17 | n/a |
| TIDS Performance Demonstration Completion Target | 30-Aug-17 | 29-Nov-17 | n/a |

2.3 PROJECT-WIDE

2.3.1 Design

Design is substantially complete.

2.3.2 Changes to the EGRT Project Schedule

No major changes were made to the project schedule.

2.3.3 Activity Changes

No major activity changes were made to the project schedule.

2.3.4 Logic Changes

No major changes were made to the project schedule.

2.3.5 Critical Path

The critical path is determined by activities that have 14 or less days of float. The critical path continues to pass through the tunnel activities.

The critical path is as follows: center walkway, and system-wide cabling before the start of testing and commissioning in Test Zone 2.

To date, the tunnel fit out activities have been completed except for a few remaining deficiencies. These completed activities, reflected in the latest Progress Update Schedule, are: design and approvals for the north tunnel approach, utility relocations, construction of the north tunnel approach, TBM pit and assembly of the TBM, Tunnel Boring, TBM Breakthrough, demob of the TBM at the south portal, Tunnel Infill, the South Portal Invert Slab, the tunnel track slab, tunnel center fire wall, inbound and outbound mainline track, power rail, and LIM rail, and systems installation.

2.3.6 Schedule Impacts

Test Zone 2 was impacted due to the delay of the tunnel breakthrough which occurred on November 27th, 2015.

2.4 PASSENGER STATIONS

All seven of the stations on the Evergreen Line are substantially completed.

2.5 OTHER FIXED FACILITIES

All five of the Propulsion Power Stations and the VSF Yard on the Evergreen Line are substantially completed.

2.6 ALIGNMENT

2.6.1 Segment 1 – Elevated Guideway / Loughheed Special Structure / South Portal Approach

Segment 1 is substantially completed.

2.6.2 Segment 2 – South Portal / Bored Tunnel / North Portal

Segment 2 is substantially completed.

2.6.3 Segment 3 – Reichhold Special Structure / At-Grade Guideway

Segment 3 is substantially completed.

2.6.4 Segment 4 – At-Grade Guideway / CPR / Fortis Bridge / Aberdeen and Coquitlam

Segment 4 is substantially completed.

2.6.5 Segment 5 – Elevated Guideway / Coquitlam Station / Pinetree / CIP / Lafarge Douglas Station – Special Structures

Segment 5 is substantially completed.

2.7 TRACKWORK

2.7.1 Special Trackwork:

Special Trackwork is substantially completed.

2.7.2 Mainline Trackwork:

Mainline Trackwork is substantially completed.

2.7.3 LIM Rail

LIM rail installation is substantially completed.

2.7.4 Power Rail

Power Rail installation is substantially completed.

2.7.5 Walkway

Walkways and lids is substantially completed.

2.8 SYSTEMS

2.8.1 Systems General

2.8.1.1 Subsystem Design

The FDR process is complete with outstanding SFDR action items being addressed.

2.8.1.2 Installation Design

The installation design is substantially completed.

2.8.1.3 Interface Design

The interface design is substantially completed.

2.8.1.4 Contractual Plan Submissions

A list of required plans and managerial documents are required in Appendix G of the Project Agreement (Systems General Requirements), and the DBC hosts a monthly meeting to coordinate the delivery of this documentation. The progress of these plans is updated monthly and issued to the Client by the DBC.

2.8.2 Power Supply and Distribution

PS&D FDR Packages have all been submitted to the Client.

2.8.3 Signalling / ATC

The signalling/ATC design process is substantially completed.

2.8.4 Communications, SCADA, FLSS and WMS

All FDR submissions are complete.

Design Packages issued for Province Review in September 2016:

- Reichhold Alarm Tie-in

2.8.5 Tunnel Ventilation Systems and Stand Pipe System

The Tunnel Ventilation SFDR process is complete.

2.8.6 Design for BC Hydro Related Works

All BC Hydro Related Works are complete.

2.8.7 Testing and Commissioning Planning and Procedures

The Systems Test Plan defined the Systems Integration Board. The Board is a joint Systems, T&C, and TransLink task group which will review test plans and schedules, and coordinate cutovers and configuration changes. This group commenced meetings in January 2015.

The Systems Cutover Plan has been updated in response to Client questions, and detailed planning of the cutover process will continue via the FMI log, which tracks configuration changes, and the T&C & Cutover schedule.

2.8.8 Systems Procurement

The following packages were issued out for tender/pricing in September:

- N/A

2.8.8.1 Subcontract and Supply Contract Awards

The following equipment were issued out for award in September:

- N/A

2.8.8.2 Supplier Design

- NA

2.8.8.3 Equipment Deliveries

The following equipment was received at the warehouse in September:

- No major equipment.

2.8.9 Warranty and Training

The warranty summary is currently being compiled for submission to the Province in October.

Training sessions, provided by the different vendors, have begun. Where applicable, change orders have been issued.

2.8.10 Spare Parts

Change orders continue to be issued for the required spares as per the BCRTC Purchase orders.

2.8.11 Construction

Tunnel Intrusion Monitoring System (TIMS) components were installed at the North and South Portals and testing is already underway.

Minor adjustments to installed tunnel lighting, receptacle and power distribution were performed in September. Crews successfully supported the SAT of Tunnel ventilation systems at NPZ and BQZ.

Automatic Train control Loop cables were amended within the Moody pocket track area to add a new loop cross-over and route a return loop through parapet-mounted rigid galvanized conduit.

Fibre optic cabling for underground radio and CCTV systems were installed and tested in August. Several design revisions resulted in rework and re-testing of radio fibre in September.

Heritage Mountain Monitor-Receiver site minor clean up civil works items was completed in September including construction of access stairs, and drop-pin sleeve embedded in concrete at the site gate.

Systemwide Mainline deficiency resolution continued during non-test windows. Track switch heating element replacement (4), several signage modifications and switch machine heater cable waterproofing progressed in September.

Station crew members (1-2) continued to support T&C tests and performed added scope, clean-up items as required.

WPE down-sized construction crews by 50% after the bulk of tunnel installations completed in the first week of September. The remaining crews have been split 40/60 between day shift and night-shift (for guideway access during testing program).

WPE's continued attention to removal and storage of cable end waste seems to have reduced trespassing at the Clarke Street construction access yard. No security incidents were reported in September.

2.9 TESTING AND COMMISSIONING

2.9.1 Progress Overview

ATC - The bored tunnel (Test Zone 2) was handed over to T&C on September 6 for remaining test activities. Test Zone 2 is the final phase of the T&C works and should lead directly into the Trial Running phase of the project of which Stage 1 is scheduled to commence on October 17. At the end of September, the following ATC test activities were accomplished

- VCC5
 - The final VCC release (ver 14.03.03) was installed September 13 and tested to confirm that the following restrictions could be lifted:
 - Speed limits through switches 221 & 226 are incorrect and have been speed limited by Go-Slow Zones
 - The length of track 915 beyond switch 223 is uncertain and automatic trains could contact the bump stop

- Positional uncertainty around switch 216 requires closing of track 658 until the train is confirmed clear of the switch
- When testing with an automatic train through the tunnel for the first time, it was discovered that the O/B tunnel gradient had been incorrectly input into the VCC guideway data. An automatic train would consistently over speed (FC8) when going O/B or downhill on the O/B guideway. The I/B guideway data was correct and automatic trains had no over speeds. The root cause was quickly diagnosed and a “hot fix” will be ready for a VCC5 engineering release test the first week of October. If successful, the VCC ver. will update to 14.03.04
- VCC6
 - The final VCC release (ver. 14.03.03) was installed September 13 and tested to confirm that the following restrictions could be lifted:
 - The bump stops at the ends of VS6 & VS7 are located incorrectly and rather than extend the rail to slide the stops back

PS&D - Power-on testing of Test Zone 2 power rail (Meggar, Hi-pot and segmentation), Blue Light SAT, AARU static SAT, Test Case 1 of the Single Substation Failure Simulation, were all successfully completed. Test Case 2 of the Single Substation Failure Simulation cannot be performed until the tunnel gradient issue is resolved and allows automatic train operation through the tunnel.

Communications – FLSS deficiencies were corrected and TransLink is ready for cutover to the Control Room the first week of October so that SIT testing can be completed with the EGRT works. Radio integration with the ATC/TRIMS/VRS is ready for final testing but BCRTC has reservations with trains crossing the Lougheed interchange during revenue service. Tunnel emergency telephones were found to be noisy during testing and an FMI for grounding will have to be completed before retesting.

SCADA – The final update of software from Survalent was tested with minor deficiencies noted. Specifically, colour of graphics and other GUI issues. BCRTC and EGRT will perform one final round of testing and once these issues are corrected the partition will be removed and SCADA cutover to the Control Room.

TIDS/TIMS – TIDS are monitored from the head end equipment which was relocated from BQS to the MCR of the OMC. The problem with the Thales SCS self test function which left tracks closed after the self-test function was corrected with new STC software ver. 1.03. TIMS at the portals is experiencing problems and testing is still in progress.

TVS – SAT testing is complete with velocity measurements recorded and the smoke test demonstrations completed for the Fire Departments and other agencies.

Fire Fighters Standpipe and Pump – The tunnel standpipe and water pump have been SAT tested and will be integrated with FLSS once the FLSS is cutover.

2.9.2 Submissions

The following submissions were made during August;

- Travel Time Demonstration rev. 1 was approved
- Test Zone Transition Plan rev. 2 was approved
- Availability Demonstration rev. 0 was approved

2.9.3 Beneficial Occupancy

In addition to areas reported previously, T&C took Beneficial Occupancy of:

- Switch machines 204 and 205

2.9.4 SUMMARY OF MAJOR ACCOMPLISHMENTS THIS MONTH

Trial Running Working Group

Weekly meetings to discuss Trial Running issues have superseded the T&C Working Group.

Beneficial Occupancy

In addition to areas reported previously, T&C took BO of Test Zone 2 which completes the entire project.

2.9.5 Summary of Issues This Month

- Shortage of 3 reprogrammed Thales FPGA cards for VCC 6 has been temporarily resolved by modifying 3 additional FPGA cards – on-going until final version FPGA cards are installed.
- Above ground/underground radio SAT testing is complete. Integration testing of the above ground/underground radio at the portals and ATC/VRS/TRIMS testing is to occur in October.
- BCRTC installed VOBC firmware (3.08) into the entire fleet of MKII trains.

2.9.6 Changes Since Last Month

- Test Zone 2 – Completion is moved to October 11th.
- Trial Running Stage 1 is now scheduled to commence October 17th with Stage 2 October 22nd.

2.9.7 TRAINING

- Several containment training exercises were held at Inlet Centre for the police.
- BCRTC operational staff received internal training on the Evergreen Line.
- BCRTC Power Techs received contractor training on Disconnect, grounding and transfer switch, AC/DC Switchgear, AARU and Xformer/Rectifier, UPS, 125 VDC and 600 VAC equipment.
- BCRTC Electronic Techs received contractor training on TRIMS, ATC Central Equipment, ATC Wayside Equipment and Public Address.

2.10 CONCLUSION

Our current EGRT Project Schedule is based on the best information available and our current plan for construction. Changes to the final construction plans and methods, and their respective schedules, sequences and durations are expected as work progresses on all fronts. Any future changes or revisions to the schedule will be detailed in this narrative.

3.0 ENVIRONMENTAL MANAGEMENT

3.1 PERMITTING STATUS

No permitting activities (for new Permits) occurred during this reporting period and at this stage it is anticipated that no new Permits will be needed to finish out the Project. The status of all permits acquired to date on the Project is summarized in Attachment F.

3.2 ENVIRONMENTAL MANAGEMENT SUMMARY

EGRT's Environmental Manager continued to conduct routine environmental management activities including but not limited to: advising on environmental planning and implementation issues, preparing environmental submittals and deliverables, participating in environmental quality activities, and overseeing the Environmental Inspectors (EIs).

Construction of Habitat Compensation

At Schoolhouse Creek, EGRT's Subcontractor completed instream construction of the compensation works during this reporting period, consistent with the requirements of the DFO Authorization for the Project which requires that instream works be completed during the least-risk fisheries window (Aug. 1st to September 30th of any given year). At end of this reporting period, top soil and woody debris were being placed in riparian areas with planting to begin in October 2016.

At Suterbrook Creek, two weirs remain to be installed in the mainstem of the Tributary to Suterbrook Creek. This work is expected to be completed in October 2016.

All other habitat compensation for the Project has been completed.

Remaining Environmental Obligations

Going forward, the following environmental obligations remain to be completed on the Project:

- Environmental Inspection: environmental inspection of construction will continue until environmentally sensitive construction is complete. Remaining environmentally sensitive construction includes: completion of the Schoolhouse Creek habitat compensation (instream work is completed but top-soil placement and planting remain to be done); installation of two rock weirs in the Tributary to Suterbrook Creek; installation of a new stormceptor at Coquitlam Central Station; and completion of planting at the North Portal. Environmental Inspection reporting to the Province and to applicable regulatory agencies will continue once every two weeks until the above listed works are completed (likely by end of October). Assuming concurrence from the Province and applicable regulatory agencies, environmental inspection and inspection reporting should conclude at end of October 2016.
- Completion of general site restoration and planting of "replacement trees" as required by PTOC item #52: Landscaping along Clarke Street (including tree replacement) has

been completed but additional landscaping elsewhere on the Project (e.g., at the CP Wye) remains to be done and will be completed in October-November, 2016.

- “Trend” water quality monitoring (as required by PTOC items #42 and #43): EGRT has periodically assessed water quality sampling in watercourses potentially affected by construction. Samples have been tested for metals, hydrocarbons, Volatile Organic Compounds (VOCs), turbidity, suspended solids, pH, dissolved oxygen, conductivity and water temperature. The monitoring program included a round of “baseline” water quality monitoring at the start of the Project (to assess the pre-project condition), followed by two rounds of water quality sampling during the construction phase. To complete the program, EGRT conducted a final round of sampling in June 2016 to assess the post-construction condition at all watercourses except Schoolhouse Creek (where construction of habitat compensation is still ongoing). EGRT will prepare and submit to the Province a brief summary of the monitoring program results. This report is planned to be submitted to the Province in October 2016, after the end of habitat compensation construction at Schoolhouse Creek.
- Close-out of environmental permits including the DFO Authorization (see Appendix F for permit expiry dates): A “close-out” permit tracking matrix is being used to document the close-out status of all key environmental permits. The Permit close-out tracking document will be attached to the Environmental Final Completion Report (see bullet below).
- Preparation of an Environmental Final Completion Report as required by PA, Schedule 5, Subsection 3.8: The PA indicates this report is to follow Substantial Completion. Further discussion with the Province occurred during this reporting period to determine the contents, format and submission date of this report.
- Annual Certificate of Compliance with Environmental Laws: One additional Certificate of Compliance will be required, covering the period December 11th, 2015 to December 10th, 2016. This final Certificate of Compliance would be submitted to the Province in December 2016.
- Continuation of the monthly environmental management report (i.e., in the form of this environmental management section of EGRT’s monthly progress report): Further discussion with the Province is required to determine when this monthly environmental reporting would end.
- Preparation of a detailed post-construction monitoring and assessment report documenting site-specific landscaping and restoration measures implemented during construction, as required by PTOC #50: This report, which will document completion of EGRT’s tree replacement obligations, is required one year after contract completion.
- Monitoring and annual reporting of the performance of constructed compensatory habitats: The DFO Authorization requires this monitoring to continue until the end of 2019 with a final annual monitoring report submitted to the Province and to applicable agencies in January 2020.

3.3 ENVIRONMENTAL SUBMITTALS TO PROVINCE

Submittals to the Province during this reporting period:

- Biweekly Environmental Inspection Report (BEIR) Nos. 156, 157 and 158.

3.4 AMENDMENT TO ENVIRONMENTAL ASSESSMENT CERTIFICATE

No changes in design or construction occurred during this reporting period that warranted consideration of an amendment to the Project's Environmental Assessment Certificate (T10-01).

3.5 ENVIRONMENTAL REVIEW OF DESIGN

Environmental design and environmental review of non-environmental design are complete.

3.6 ENVIRONMENTAL MANAGEMENT OF CONSTRUCTION

EGRT has begun testing and adjusting the bored tunnel's fire suppression system. The testing involves flushing, using water obtained from the municipal potable water system. The resultant waste water is being captured and dechlorinated prior to discharge to the municipal storm sewer system. Testing is also being done to verify that the chlorine concentration of the treated water is suitable for discharge to storm.

3.7 ENVIRONMENTAL INCIDENTS

No environmental incidents occurred during this reporting period.

3.8 ENVIRONMENTAL INSPECTION

Bi-Weekly Environmental Inspection Report (BEIR) Nos. 156, 157 and 158 were submitted to the Province "for Information" during September. As reported by EGRT's Environmental Inspectors, construction generally complied with Project environmental requirements during this reporting period.

See Table below. Four issues (#242, #245, #246 and #248) were carried over from August into September. Two of those issues (#242 and #246) were closed during this reporting period. Two other carried-over issues (#245, #248) remain open at the end of this reporting period. There were no new issues in September.

Table: Environmental Inspection Issue Tracking Summary

| Issue No. | Date Opened | Description | Status at Sept 30/16 |
|------------------|--------------------|--|-----------------------------|
| 242 | July 5/16 | Hydrocarbon staining on soil/gravel at South Portal. Clean-up was completed during this reporting period; contaminated material was disposed offsite at a facility licensed to receive the material. | Closed |
| 245 | Aug 9/16 | Hydrocarbon staining at the North Portal tunnel support yard. Clean-up was not yet completed at end of this reporting period. | Open |
| 246 | Aug 9/16 | Deficient housekeeping at South Portal (crew garbage strewn around the site). The garbage was cleaned up during this reporting period. | Closed |
| 248 | Aug 31/16 | Deficient management of non-hazardous waste at tunnel support yard: a construction debris pile including crew garbage is present at the north end of the yard under the guideway. | Open |

3.9 COMPLIANCE SUMMARY

No significant environmental compliance issues occurred during this reporting period.

4.0 COMMUNICATIONS AND COMMUNITY RELATIONS

No community meetings and/or Business Liaison Committee meetings were held in September 2016.

With the project nearing completion, no additional Business Liaison Committee (BLC) meetings are scheduled. Should there be any BLC or community meetings, the EGRT Construction communications team will support the Province and attend as required.

4.1 TRAFFIC MANAGEMENT COMMUNICATIONS

No Construction and Traffic Bulletins were issued by the EGRT Construction communications team in September 2016.

The EGRT Construction communications team issued the following Community Notices in September 2016:

- Intermittent Nighttime Work in Port Moody – September 2
 - This notice was distributed to the businesses/residents on Clarke Street between Douglas Street and Moody Street, including the new condo development just north of Clarke Street on the west side of Moody Street.
- Intermittent Nighttime Work at the South Tunnel Portal Area – September 6
 - This notice was distributed to residents on Kemsley Avenue, Elmwood Street, Clarke Street and Westley Avenue.
- Temporary Nighttime Work in Port Moody – September 9
 - This notice was emailed to Klahanie property manager s.22 who will distribute to 301 Klahanie Drive, 200 Klahanie Drive. Emailed to the Canoe Club, to the Sahalee building property manager (651 Nootka) s.22 s.22 emailed to s.22 Property Manager for The Residences at Suter Brook, distributed to the residents at The Square on St Johns Street and to Sonrisa residents. It was also emailed to businesses in the area that we have contact information for – OpenRoad Auto Group and at the new Brew Street pub.
- Ventilation Systems Test - North Tunnel Portal Area – September 15
 - This notice was distributed to residents on View Street, View Court, Charles Street, Clarke Street near Douglas Street, EComm and the City of Port Moody – emergency responders and city staff.
- Ventilation Systems Test - South Tunnel Portal Area – September 15

- This notice was distributed to residents on Elmwood Street, Westley Avenue, Kemsley Avenue, Clarke Road between Kemsley Avenue and Como Lake Avenue, EComm and the City of Coquitlam – emergency responders and city staff.

Please note that these notices were also posted on the egrtconstruction.ca website.

No Traffic Alerts were distributed by EGRT Construction in September 2016.

4.2 PUBLIC CONSULTATION

No public consultation is required by the Province of BC.

4.3 MEDIA RELATIONS

All media inquiries, including inquiries from traffic reporters, will continue to be referred to the Province for first comment. EGRT Construction will only answer routine traffic questions and only when queries have been referred to the EGRT Construction Communications Manager directly by the Province.

EGRT Construction issued one Traffic Reporters Advisory on September 19 related to the ventilation systems tests at the south and north tunnel portal area.

5.0 FIRST NATION ENGAGEMENT

5.1 PERFORMANCE OVERVIEW BY SUB-CONTRACTOR

| NATION | Procurement Target (\$/project) | Opportunities to Date (est. \$ value) | Awarded to Date | Awarded this Period |
|----------------|------------------------------------|--|-----------------|---------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

| NATION | Employment Target (hrs/project) | Employment to Date (hrs) | Employment this Period (hrs) | Total Active Employees (qty) |
|----------------|------------------------------------|-----------------------------|---------------------------------|---------------------------------|
| Tsleil Waututh | s.16,s.17 | | | |
| Musqueam | | | | |
| Kwikwetlem | | | | |
| OTHER | | | | |
| | | | | |

¹ Employment This Period and Awarded This Period updated quarterly.

All First Nations procurement targets have been exceeded.

Employment targets for Musqueam have been exceeded, and targets for Tsleil Waututh continue to be pursued. Labour availability from Tsleil Waututh is limited.

5.2 BID REPORT – PROCUREMENT OPPORTUNITIES & AWARDS DETAILED

| Package Number/Title/PO | Bid Close Date | Company Name (Bidder) | Affiliated First Nation | Awarded Contract (Actual) | Procurement Opportunity (Est. Value) | Status |
|---|----------------|--------------------------|-------------------------|------------------------------|---|--------|
| SGJV PROCUREMENT | | | | | | |
| Supply/Install Piles (Pinetree) | 22/Nov/13 | s.16,s.17 | | | | |
| Soil Removal (various PO's) | 1/Oct/13 | | | | | |
| Supply/Install Piles (CPR) | 18/Sep/13 | | | | | |
| Supply/Install Piles (Reichhold) | 5/Mar/13 | | | | | |
| Supply/Install Caissons | 29/Apr/13 | | | | | |
| Clearing, Grubbing & Access Road (511326-C-002) | 1/Mar/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| | | | | | | |
| Supply/Install Timber Piles | 22/Nov/13 | | | | | |
| Supply/Install Timber Piles | 18/Sep/13 | | | | | |
| Supply/Install Timber Piles | 3/May/13 | | | | | |
| Supply/Install Timber Piles | 13/Dec/13 | | | | | |
| Supply/Install Landscaping & Irrigation Seg 1 | 4/Jun/14 | | | | | |
| SSJV PROCUREMENT | | | | | | |
| Water Treatment Plant | 1/Sep/13 | | | | | |
| | | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |
| | | | | | | |
| Water Treatment Plant | 1/Sep/13 | | | | | |
| Tunnel Spoils Mgmt & Removal | 27/Jun/13 | | | | | |
| | | | | | | |

SLCW-EG PROCUREMENT

| | | |
|-----------------------------------|-----------|--------------|
| Traffic Signs-Part 1 | ongoing | s. 16, s. 17 |
| Traffic Signs-Part 2 | ongoing | |
| Site Security (3 mo. Trial) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Site Security (15 mo.) | ongoing | |
| Traffic Management (3 mo. Trial) | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Crane Services for Truss Assembly | 19/Aug/13 | |
| Trailer rental (ongoing) | ongoing | |
| Trailer Rental-New Office | ongoing | |
| Traffic Management (15 mo.) | ongoing | |
| Trailer Relocation | ongoing | |
| Traffic Management | ongoing | |
| Traffic Management | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |
| Trailer rental (ongoing) | ongoing | |

| | |
|----------------|---------|
| Elec. Services | ongoing |
| Elec. Services | ongoing |

SLCW-GST PROCUREMENT

| | | |
|---------------------------------|-----------|--------------|
| GC009- Stn Elec. Work | 1/Oct/13 | s. 16, s. 17 |
| Office Trailer Rentals(0000143) | ongoing | |
| Lougheed Stn Demo | 31/May/13 | |
| GC003- Piles & Caissons | 3/Jun/13 | |
| Elec. & data-Poco Warehse | 1/Apr/13 | |
| GC400-Port Moody Demo | 1/Mar/13 | |
| GC009- Stn Elec. Work | 30/Jan/14 | |
| GC037- Supply/Install Piling | 8/Jan/14 | |
| GC039-PPS & VSF Elec. Work | 17/Apr/14 | |
| GC048-Moody Piling | 17/Apr/14 | |
| GP500-Supply Retaining Wall | 9/Sep/14 | |
| GP500-CO No. 1 | 17/Aug/15 | |
| GP500-CO No. 2 | 13/Nov/15 | |
| GC063-Modular Buildings | 9/Mar/15 | |
| GC063-CO No. 1 | 8/Oct/15 | |
| GC063-CO No. 2 | 7/Nov/15 | |
| GC063-CO No. 3 | 24/Feb/16 | |
| Elec. Work for Stns | 6/Jan/14 | |
| GC009-CO No. 1 | 11/Jun/14 | |
| GC009-CO No. 2 | 2/Oct/14 | |

| | |
|---------------------------------|--------------------|
| GC009-CO No. 3 | 3/Oct/14 s.16,s.17 |
| GC009-CO No. 4 | 16/Dec/14 |
| GC009-CO No. 5 | 13/Jan/15 |
| GC009-CO No. 6 | 13/Jan/15 |
| GC009-CO No. 7 | 14/Jan/15 |
| GC009-CO No. 8 | 19/Jan/15 |
| GC009-CO No. 9 | 23/Mar/15 |
| GC009-CO No. 10 | 30/Mar/15 |
| GC009-CO No. 11 | 9/Apr/15 |
| GC009-CO No. 12 | 4/Jun/15 |
| GC009-CO No. 13 | 7/Aug/15 |
| GC009-CO No. 14 | 7/Dec/15 |
| GC009-CO No. 15 | 12/Jan/16 |
| Inlet Ctr Exc (511414-GC401) | 1/May/13 |
| Supply Masonry Grout Fill | 16/Jan/14 |
| Earthworks Coq. Stn | 4/Dec/13 |
| GC039 Stn Elec. Work | 16/Jan/14 |
| GC035-CO No. 1 | 30/Sep/14 |
| GC035-CO No. 2 | 15/Jan/15 |
| GC035-CO No. 3 | 22/May/15 |
| GC035-CO No. 4 | 3/Jun/15 |
| GC035-CO No. 5 | 24/Dec/15 |
| GC035-CO No. 6 | 11/May/16 |
| GC039-SubStn & VSF Elec. | 17/Apr/14 |
| GC039-CO No. 1 | 30/Sep/14 |
| GC039-CO No. 2 | 14/Jan/15 |
| GC039-CO No. 3 | 15/May/15 |
| GC039-CO No. 4 | 3/Jun/15 |
| GC039-CO No. 5 | 28/Oct/15 |
| GC039-CO No. 6 | 24/Dec/15 |
| GC039-CO No. 7 | 28/Oct/15 |
| GC039-CO No. 8 | 11/May/16 |

SLCW-GST PROCUREMENT

| | |
|--|-----------|
| Lougheed Stn Demo (51414- GC404) | 31/May/13 |
| Supply/Install Piling | 8/Jan/14 |
| GC047-Moody Piling | 17/Apr/14 |

SLCW-SW PROCUREMENT

| | |
|---|-----------|
| SC9000-04 Lougheed Stn Brownfield Investigation | 13/Mar/14 |
| SC9000-05 Lougheed Stn Brownfield Installs | 10/Apr/14 |
| SC9000-05 Lougheed Stn Brownfield Installs CO #2 | 30/Sep/14 |
| SC9000-05 Lougheed Stn | 6/Nov/14 |

| | | | | | |
|---|-----------|-----------|--|--|--|
| Brownfield Installs CO #3 | | | | | |
| SC9000-05 Lougheed Stn Brownfield Installs CO #4 | 8/Apr/15 | s.16,s.17 | | | |
| SC9000-06 T&C Support | 11/May/15 | | | | |
| SC9000-06 T&C Support CO#1 | 14/Mar/16 | | | | |
| SC9000-06 T&C Support Change Order No. 2 | 26/May/16 | | | | |
| SC9025-01 OMC Install | 29/May/14 | | | | |
| SC9025-01 OMC Install-CO#1 | 4/May/15 | | | | |
| SC9000-08 Segment 2 Installation | 16/Feb/16 | | | | |
| SC9000-01 Systemwide Install | 5/Aug/14 | | | | |
| SC9000-01 Systemwide Install-CO #1 | 17/Nov/14 | | | | |
| SC9000-01 Systemwide Install-CO #2 | 28/Jan/15 | | | | |
| SC9000-01 Systemwide Install-CO #3 | 17/Mar/15 | | | | |
| SC9000-01 Systemwide Install-CO #4 | 15/Jun/15 | | | | |
| SC9000-01 Systemwide Install-CO #5 | 15/Jul/15 | | | | |
| SC9000-01 Systemwide Install-CO #6 | 15/Sep/15 | | | | |
| SC9000-01 Systemwide Install-CO #7 | 16/Nov/15 | | | | |
| SC9000-01 Systemwide Install-CO #8 | 9/Dec/15 | | | | |
| SC9000-01 Systemwide Install-CO #9 | 12/Jan/16 | | | | |
| SC9000-01 Systemwide Install-CO #10 | 7/Mar/16 | | | | |
| SC9000-01 Systemwide Install-CO #11 | 22/Mar/16 | | | | |
| SC9000-01 Systemwide Install-CO #12 | 9/May/16 | | | | |
| SC9000-02 CO #1 | 27/Mar/14 | | | | |
| SC9000-02 CO #3 | 3/Oct/14 | | | | |
| SC9000-02 CO #4 | 3/Oct/14 | | | | |
| SC9000-02 CO #5 | 25/Aug/15 | | | | |

| | |
|---|------------------------|
| SC9000-08 Segment 2 Equipment Installation | s.16,s.17 16/Feb/16 |
|---|------------------------|

SLCW-SW PROCUREMENT

| | |
|--|-----------|
| SC9000-08 Segment 2 Equipment Installation CO#1 | 2016/0516 |
| SC9000-08 Segment 2 Equipment Installation CO#2 | 2/May/16 |
| SC6000-01 SubStn Equip. Install | 12/Sep/14 |
| SC6000-01 SubStn Equip. Install-C#1 | 28/Nov/14 |
| SC6000-01 SubStn Equip. Install-C#2 | 28/Jan/15 |
| SC6000-01 SubStn Equip. Install-C#3 | 18/Feb/15 |
| SC6000-01 SubStn Equip. Install-C#4 | 17/Mar/15 |
| SC6000-01 SubStn Equip. Install-C#5 | 30/Apr/15 |
| SC6000-01 SubStn Equip. Install-C#6 | 11/Sep/15 |
| SC6000-01 SubStn Equip. Install-C#7 | 16/Nov/15 |
| SC6000-01 SubStn Equip. Install-C#8 | 9/Mar/16 |
| SC6000-01 Substation Equipment Install- C#9 | 22/Mar/16 |
| SC6000-01 Substation Equipment Install- C#7 | 9/May/16 |
| SC7000-01 Stn Communication Install | 8/Dec/14 |
| SC7000-01 Stn Communication Install-CO #1 | 5/May/15 |
| SC7000-01 Stn Communication Install-CO #2 | 25/Aug/15 |
| SC7000-01 Stn Communication Install-CO #3 | 28/Sep/15 |
| SC7000-01 Stn Communication Install-CO #4 | 16/Nov/15 |

| | |
|---|------------------------|
| SC7000-01 Station Communications Install - CO #5 | s.16,s.17 22/Mar/16 |
| SC7000-01 Station Communications Install - CO #6 | 9/May/16 |
| OTHER FN PROCUREMENT | |
| 511325- Environmental Services Sumas Remediation | 5/Aug/14 |

Summary of Activities

- To date there is been great success of engaging aboriginal businesses in project construction with over \$48 million awarded.
- Employment values have begun reduce as the project winds down.
- At least once per quarter, project updates are provided to the Tsleil Waututh and Musqueam Nations through the Economic Development offices.

Challenges/Risks

Work Planned

- Continue to respond to needs of the client and the identified First Nations as the project winds down.

6.0 HEALTH AND SAFETY

6.1 SUMMARY OF SAFETY ACTIVITIES

- s.22

- The North Portal restoration is under way with Hall performing the work.
- T&C has taken BO of the tunnel and all Confined Space protocols will remain in place. Tunnel entry permits are being issued by T&C.
- WorkSafeBC has responded to the last submission relating to the tunnel orders written in June. All orders have been complied/closed.
- T&C are continuing with testing in segments the entire alignment.
- Mission Contracting is performing very well at the Schoohouse Creek restoration area. The work is nearing completion.

6.2 INJURY AND INCIDENT SUMMARY

- Environmental:

See Environmental Section of Report

- Property/Equipment Damage:

- None Reported

- Medical Aid:

s.22

-

- Lost Time Incident:

- s.22

| Hours Worked This Month | First Aid This Month | Medical Aid/LTI This Month | Lost Time Days This Month |
|-------------------------|----------------------|----------------------------|---------------------------|
| 41,530 | 5 | 1/0 | 25 |
| Hours Worked To Date | First Aid To Date | Medical Aid/LTI To Date: | Lost Time Days To Date |
| 5,017,976 | 488 | 64/10 | 142 |

7.0 FINANCIAL

7.1 PERFORMANCE INCENTIVE PAYMENTS

Refer to the Performance Mechanism Report for full details.

7.2 MILESTONE PAYMENTS

See attached Statement of Progress.

7.3 CHANGE MANAGEMENT

Pricing has been approved for the following Province Changes/Events this month:

- None

Pricing has been submitted for the following Province Changes:

- None

Additional Province Changes active this month include:

- Design of Wired Connection to Evacuation Alarm (SI35)
- Charles Street As-Builts (SI38)
- Moody Station – PTZ Camera to monitor FCP (SI39)
- Station Lighting Enhancements – Moody/Coq (SI40)
- Supply of Tunnel Signage – BCRTC (SI43)

7.4 RISK MANAGEMENT

Risk registers for each area of work are updated on a monthly basis.

8.0 QUALITY ASSURANCE

The following is a summary of activities.

8.1 STATUS OF QUALITY MANAGEMENT SYSTEM ACTIVITIES

- EGRT Construction continues to work closely with the Province to address quality issues as they arise. Representatives from both sides continue to meet regularly to discuss project quality issues.
- EGRT Construction continues to extend the invite to the Province for internal and external audits.
- The table below shows the current status of the Management Plans

Table 1 – Management Plan Status

| Plan | Latest Date of Issue | Latest Revision | Status |
|---|----------------------|-----------------|----------|
| Quality Manual | 20-Mar-14 | 2 | Received |
| Design Quality Management Plan | 6-May-14 | 3 | Received |
| Environmental Quality Management Plan | 21-Jul-14 | 2 | Received |
| Traffic Quality Management Plan | 1-May-14 | 2 | Received |
| Construction Quality Management Plan – SGJV | 23-Jun-14 | 2 | Received |
| Construction Quality Management Plan – SLCW – GST | 23-Apr-15 | 3 | Received |
| Construction Quality Management Plan – SLCW – EG | 16-Mar-15 | 1 | Received |
| Construction Quality Management Plan – SSJV | 11-Mar-15 | 2 | Received |
| Construction Quality Management Plan – SLCW – SW | 16-Dec-13 | 0 | Accepted |

8.2 AUDIT PROGRAMME

- The tables below show the current status of the Audit Programme.

Table 2 – Audit Programme Status

| Audit Programme | Latest Date of Issue | Latest Revision | Status |
|---|-----------------------------|------------------------|---|
| Quality Audit Programme | 04-Mar-13 | 0 | Received with comments from the Province. Detailed audit programmes were issued separately. |
| Design Quality Management Audit Programme | 20-Jan-15 | 2 | Received |
| Environmental Audit Programme | 04-Dec-15 | 3 | Issued to the Province for Information |
| Traffic Management Audit Programme | 04-Dec-15 | 4 | Issued to the Province for Information |
| Transit Facilities Audit Programme | 05-Dec-14 | 4 | Issued to the Province for Information |
| Construction Quality Management Audit Programme | 4-Feb-16 | 4 | Received |

- To date, 157 quality audits have been completed by EGRT, Joint Ventures and Subcontractors. They are listed on Attachment H.
- There were no audits completed this reporting period.

8.3 PREVENTATIVE ACTION LOG

- There were no preventive actions initiated at this reporting period.
- Below is the tracking log for preventive action.

Table 3 – Preventive Action Log

| PAR No. | Project Team | Brief Description | Response | Date Opened | Verified |
|----------------|---------------------|--------------------------|-----------------|--------------------|-----------------|
| | | | | | |

8.4 SUMMARY OF INSPECTION AND TESTING ACTIVITIES

- Below is a table showing the Inspection and Testing summary for this reporting period.

Table 4 – Summary of Inspection and Testing

| Project Team | Location | Description of Inspection and Testing |
|--------------|----------------------------|---------------------------------------|
| SLCW-GST | Stations | - Deficiency repair |
| SLCW-GST | Substations | - Deficiency repair |
| SLCW-GST | Vehicle Storage Facilities | - Deficiency repair |

8.4.1 DBC

- There were no ITPs issued by DBC this reporting period.

8.4.2 SLCW-GST

- There were no ITPs issued by SLCW-GST this reporting period.

8.4.3 SLCW-SW

- There were no ITPs issued by SLCW-SW this reporting period.

8.5 NONCONFORMITY REPORTS AND CORRECTIVE ACTION

- The table below shows the current status of active NCRs.
- Associated Corrective Action for any NCR can be referred to the NCR Tracking System. Below is the link to the website.

<http://csc.snclavalin.com/sites/EvergreenNCRTS/default.aspx>

Table 6 –NCR and CAR Status

| NCR No. | Description of Nonconformity | Date Open | Date Ended | Status | Description of Correction |
|-------------------|--|------------------|-------------------|---------------------------|----------------------------------|
| SSJV-0035 | Additional Segments With Curing Temperatures Exceeded 70 °C, Installed In The Tunnel | 24-Mar-15 | | Final Quality Review | Use-as-is |
| SLCW-GST-0073 | Drainage issue at DF pads locations in Section 330 | 26-May-15 | | Correction Implementation | Repair |
| SLCW-GST-0086 | Projectwide Lighting Fixtures Ballast | 21-Mar-16 | 7-Sep-16 | Ended | Rework |
| SLCW-GST-0089 | Corrosion of LIM Studs at Stud-Grout Interface | 25-May-16 | 19-Sep-16 | Ended | Repair |
| SLCW-Systems-0009 | Interface tolerance between running rail and expansion joint | 15-June-16 | 6-Sep-16 | Ended | Repair |
| SLCW-GST-0090 | Station Floor Drainage | 22-June-16 | 30-Sep-16 | Ended | Repair |

8.6 CONTINUAL IMPROVEMENT INITIATIVES

Improvement initiatives are presently done through Opportunity for Improvements and Corrective Actions related to NCRs.

9.0 PROJECT PHOTOGRAPHS



Figure 1 – Completed Trackwork and Walkways at North Portal Transition



Figure 2 – Completed Tunnel Fitout



Figure 3 – Completed Walkway installation at South Portal Transition



Figure 4 – North Portal/View Street Slope Restoration



Figure 5 – Habitat Restoration at Schoolhouse Creek

Attachments

Attachment A – Submission List – Systems - ***Discontinued***

Attachment B – Project Schedule

Attachment C – Activity Changes - ***Discontinued***

Attachment D – Logic Changes - ***Discontinued***

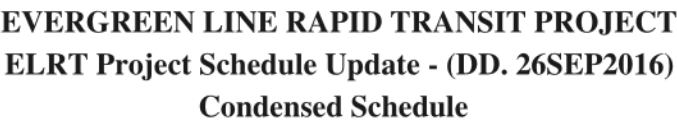
Attachment E – Alignment Key Plan

Attachment F – Environmental Existing Permits




Attachment G – Four Month Look Ahead Audit Schedule – ***Discontinued(See 8.2 Table 3)***

Attachment H – Quality Audits

ATTACHMENT A
SYSTEM MANAGEMENT PLAN
DISCONTINUED



| Date | Revision | Checked | Approved |
|-----------|--|---------|----------|
| 04-Oct-16 | Project Schedule Update (DD.26SEP2016) Rev.0 | JS | AM |
| 09-Oct-16 | Project Schedule Update (DD.26SEP2016) Rev.1 | JS | AM |
| | | | |
| | | | |

 Remaining Level of Effort
  Primary Baseline
  Remaining Work

 Actual Level of Effort
 Actual Work
 Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

| Activity ID | | Activity Name | OD | RD | Start | Finish | FF | TF | D16 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | |
|---|-----------|--|-----|-----|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|--|--|--|--|--|--|--|
| | | | | | | | | | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | | | | |
| | SYS825150 | Tunnel IB - G/W - Walkway Lid / cover (by GST) | 20 | 0 | 12-Aug-16 A | 24-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS825180 | Tunnel IB G/W - Handover to T&C | 0 | 0 | | 02-Sep-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS825370 | Tunnel OB G/W - Handover to T&C | 0 | 0 | | 26-Sep-16 | 0 | -66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunnel Ventilation Equipment | | | 74 | 0 | 20-May-16 A | 10-Aug-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS823010 | BQZ - NPZ - Tunnel Ventilation - fan & damper electrical installation | 40 | 0 | 20-May-16 A | 15-Jul-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS823115 | BQZ - NPZ- Tunnel Ventilation - install tray cables | 44 | 0 | 23-May-16 A | 29-Jun-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS823015 | BQZ - NPZ - Tunnel Ventilation - Cables terminating | 5 | 0 | 23-Jun-16 A | 15-Jul-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS823020 | BQZ - NPZ - Tunnel Ventilation - electrical PICO | 3 | 0 | 10-Aug-16 A | 10-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunnel Mechanical (Fire system) | | | 15 | 0 | 22-Sep-16 A | 22-Sep-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS823060 | BQ to MC - Tunnel mechanical eqt SIT (standpipe) | 15 | 0 | 22-Sep-16 A | 22-Sep-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PPS NPZ | | | 102 | 3 | 09-Feb-16 A | 28-Sep-16 | 0 | 290 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PS&D Equipment | | | 20 | 0 | 09-Feb-16 A | 02-Sep-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PPS300190 | NPZ - install 1000kcml to power rail | 20 | 0 | 09-Feb-16 A | 02-Sep-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comms eqt | | | 3 | 3 | 26-Sep-16 | 28-Sep-16 | 0 | 290 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PPS300500 | NPZ - Install/PICO tunnel TIMS equipment | 3 | 3 | 26-Sep-16 | 28-Sep-16 | 0 | 290 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moody Centre Station | | | 108 | 0 | 29-Feb-16 A | 05-Aug-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Communication | | | 108 | 0 | 29-Feb-16 A | 05-Aug-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS310245 | MC Station - WPE rectify deficiencies | 10 | 0 | 29-Feb-16 A | 30-Jun-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS310150 | MC Stn - Install and PICO U/G Radio eqt (rack, antenna) | 20 | 0 | 02-Aug-16 A | 05-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coquitlam Central Station | | | 10 | 0 | 18-Mar-16 A | 30-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Communication | | | 10 | 0 | 18-Mar-16 A | 30-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS510175 | CC Stn - rectify COMMS deficiencies | 10 | 0 | 18-Mar-16 A | 30-Jun-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lafarge Lake/Douglas Station | | | 10 | 0 | 29-Feb-16 A | 30-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Communication | | | 10 | 0 | 29-Feb-16 A | 30-Jun-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS710230 | LA Stn - rectify COMMS deficiencies | 10 | 0 | 29-Feb-16 A | 30-Jun-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Existing OMC | | | 20 | 20 | 26-Sep-16 | 24-Oct-16 | 0 | 264 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS920360 | TRIMS - Translink install and configure head end (incl PIDS/SEEIP HE) Test Zone 1 | 20 | 20 | 26-Sep-16 | 24-Oct-16 | 0 | 264 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heritage Mountain Monitor/Receiver | | | 22 | 0 | 08-Aug-16 A | 31-Aug-16 A | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS990000 | Heritage Mountain Monitor / Receiver - Install of Meter+Disconnect,Permits/Declaration, Plans, Procurement, etc. | 10 | 0 | 08-Aug-16 A | 15-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS990005 | Heritage Mountain Monitor / Receiver - Site Prep | 5 | 0 | 08-Aug-16 A | 09-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS990010 | Heritage Mountain Monitor / Receiver - Site Installation / PICO | 5 | 0 | 08-Aug-16 A | 31-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS990015 | Heritage Mountain Monitor / Receiver MCS Site Installation / PICO | 5 | 0 | 08-Aug-16 A | 31-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS990020 | Heritage Mountain Monitor / Receiver - Equipment Delivery | 3 | 0 | 18-Aug-16 A | 23-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS990025 | Heritage Mountain Monitor / Receiver - BCH Electrical Service Installation | 1 | 0 | 24-Aug-16 A | 24-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation and Maintenance | | | 127 | 65 | 31-Mar-16 A | 04-Jan-17 | 0 | 229 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Training and Manual | | | 127 | 65 | 31-Mar-16 A | 04-Jan-17 | 0 | 229 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M110200 | Prepare & submit prelim redlined version - Tunnel Ventilation System Skytrain Control Rm Ops manual | 40 | 0 | 31-Mar-16 A | 08-Jul-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M110180 | Prepare and submit final O&M manuals | 60 | 0 | 01-Jul-16 A | 30-Sep-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M110210 | Prepare & submit final version - Skytrain Control Room Operations manual | 40 | 0 | 11-Jul-16 A | 26-Sep-16 | 0 | -50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M120035 | Thales - prepare final operations manuals | 20 | 20 | 26-Sep-16 | 24-Oct-16* | 0 | 229 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M110120 | Thales - submit preliminary Central eqt maintenance manual | 0 | 0 | | 26-Sep-16 | 20 | 249 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M110130 | Thales - submit preliminary Snooper O&M manual | 0 | 0 | | 26-Sep-16 | 20 | 249 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M120055 | Submit preliminary redlined version - Skytrain ATC operations manual | 40 | 40 | 26-Sep-16 | 22-Nov-16 | 254 | 254 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M120060 | Submit final version - Skytrain ATC operations manual | 40 | 40 | 26-Sep-16 | 22-Nov-16 | 254 | 254 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M120040 | Thales - submit final operations manuals | 0 | 0 | | 24-Oct-16 | 0 | 229 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M110030 | Conduct O&M Training | 45 | 45 | 25-Oct-16 | 04-Jan-17 | 0 | 229 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | O&M110140 | Thales - submit final maintenance manuals | 0 | 0 | | 04-Jan-17 | 229 | 229 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TESTING AND COMMISSIONING | | | 307 | 264 | 02-May-16 A | 18-Oct-17 | 0 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Integration and Testing | | | 45 | 19 | 04-Jul-16 A | 21-Oct-16 | 0 | 275 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bored Tunnel / Segment 2 (BQZ, tunnel, NPZ) | | | 33 | 1 | 04-Aug-16 A | 29-Sep-16 | 0 | 289 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C312245 | NPZ - Ethernet connection available | 0 | 0 | | 04-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SYS823050 | BQ to MC - Tunnel mechanical eqt - SAT | 3 | 0 | 10-Aug-16 A | 10-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140160 | TVS - 25kv Fibre - BQZ to NPZ SAT | 5 | 0 | 10-Aug-16 A | 10-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140180 | TVS - MCC commissioning (Bump test) | 3 | 0 | 10-Aug-16 A | 10-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140190 | TVS - Electrical SAT (incl fans, dampers, MCC, TVC) | 5 | 0 | 10-Aug-16 A | 10-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140195 | TVS - Mechanical SAT (incl fans, dampers, ductwork) | 5 | 0 | 10-Aug-16 A | 10-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C21090 | BQZ - SAT TV control panels (BQZ PLC Commissioning) | 5 | 0 | 15-Aug-16 A | 15-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140215 | BQZ - FLSS FACP SAT (Tyco) | 5 | 0 | 18-Aug-16 A | 18-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C31150 | NPZ - conduct FLSS local SAT (SW/Tyco) (incl linear heat detectors) | 2 | 0 | 19-Aug-16 A | 20-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C211350 | BQZ - SCADARTU SAT / site integration testing (without tunnel wayside eqt) | 5 | 0 | 28-Aug-16 A | 28-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C21020 | BQZ - conduct SAT for RTU | 2 | 0 | 28-Aug-16 A | 28-Aug-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140230 | Acceptance test FOCS Tunnel area (BQZ - NPZ) | 0 | 0 | 02-Sep-16 A | 02-Sep-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T&C140235 | FOCS Tunnel area available for testing | 0 | 0 | | 02-Sep-16 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Remaining Level of Effort

Actual Level of Effort

Primary Baseline

Actual Work

Remaining Work

Critical Remaining Work

Evergreen Line Rapid Transit Project Schedule

Page 5 of 7
Printed - 07-Oct-16

ATTACHMENT C
ACTIVITY CHANGES
DISCONTINUED

ATTACHMENT D
LOGIC CHANGES
DISCONTINUED

Withheld pursuant to/removed as

Attachment F

Environmental Management

Permitting Status – Key Active Permits (expired or otherwise inactive permits are shown in grayscale font)

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|------------------|--|
| Federal | | | |
| DFO Authorization – to authorize harmful alteration or disruption, or the destruction, of fish habitat (HADD) | <i>Fisheries Act</i> ¹ , Subsection 35(2)(b) | July 11, 2013 | The DFO Authorization (#06-HPAC-PA1-00001) was signed by DFO and the Ministry of Transportation and became effective on July 18, 2013. The Permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to address design developments and method changes that occurred after issuance of the Authorization on July 18, 2013 | <i>Fisheries Act</i> , Subsection 35(2)(b) | January 24, 2014 | DFO amended Authorization No. 06-HPAC-PA1-00001 on January 27, 2014. The Amendment expires on Dec. 31, 2016. |
| Request for DFO review of final proposed habitat compensation for the Project (including various changes to habitat compensation as compared to the habitat compensation described in the Project Authorization #06-HPAC-PA1-00001 as amended on January 27, 2014). | <i>Fisheries Act</i> , Subsection 35(2)(b) | April 30, 2015 | On May 21, 2015 DFO issued a letter to the Province accepting all of EGRT's proposed changes. The updated habitat compensation supersedes the compensation described in the Project Authorization #06-HPAC-PA1-00001 (as amended on January 27, 2014) but all other conditions of the Authorization continue to apply. The Authorization expires on Dec. 31, 2016. |
| Request to DFO for variance from DFO Authorization No. 06-HPAC-PA1-00001: request to start water line relocation at Schoolhouse Creek in last week of July 2016, prior to the start of the 2016 least-risk fisheries window. | <i>Fisheries Act</i> , Subsection 35(2)(b) | July 18, 2016 | DFO issued a "no objection" on July 20, 2016. The variance applies only to the last week of July 2016, which is now past. |

¹ Amendments to the *Fisheries Act* came into effect on November 2013 that repealed the HADD provisions of Subsection 35(2). However, DFO Authorization #06-HPAC-PA1-00001 is grandfathered under the amended Act and remains in effect.

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|-------------------------|--|
| DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | June 25, 2013 | The permit (#XR 239-2013) was received on July 8, 2013. The permit expired on June 30 2014. A new permit was obtained (see row below). |
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | March 18, 2014 | The permit (#XR 239-2014) was received on March 21, 2014. Note this permit supersedes #XR 239-2013 (see row above). |
| Amendment to DFO Permit to allow fish salvage during construction | <i>Fisheries Act, Fishery (General) Regulation</i> | January 8, 2015 | The permit (#XR 71 2014 – Amendment 2) was received on January 15, 2015. Subsequently, the Permit was further amended to include road works and culvert installation at Pinnacle Creek, The Permit expired on December 31, 2015. |
| DFO Permit to allow fish salvage during habitat compensation construction at Schoolhouse Creek. | <i>Fisheries Act, Fishery (General) Regulation</i> | December 24, 2015 | The permit (XR 376 2015) was received on December 28, 2015. The permit expires on Dec. 31, 2016. |
| Amendment to the Authorization to allow instream works at Kyle Creek from Oct. 1 – 15, 2013 | <i>Fisheries Act, Subsection 35(2)</i> | Sept. 30, 2013 | Email amendment was received from DFO on Sept. 30, 2013. The relevant work is complete. |
| Request for DFO review of proposed out-of-window instream work at Tributary to Suterbrook Creek (to begin construction of instream Pier P3-15) | <i>Fisheries Act, Subsection 35(2)(b);</i> DFO Authorization No. 06-HPAC-PA1-00001 | January 27, 2014 | DFO issued a “no objection” email to the Province on January 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct instream works to build Utility 4011 outside the least risk window specified in DFO Authorization #06-HPAC-PA1-00001) | <i>Fisheries Act, Subsection 35(2)(b)</i> | March 25, 2014 | DFO issued a “no objection” email to the Province on March 25, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Scott Creek (work to be completed no later than | <i>Fisheries Act, Subsection 35(2)(b);</i> DFO Authorization No. 06-HPAC-PA1-00001 | August 20, 2014 | DFO issued a “no objection” email to EGRT on August 21, 2014. The relevant |

| Permit Description | Act/Regulation | Application Date | Status |
|--|---|--------------------|---|
| October 10, 2014) | | | work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than October 30, 2014) | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | August 28, 2014 | DFO issued a “no objection” email to the Province on August 28, 2014. The relevant work is complete. |
| Request for DFO review of EGRT proposal to conduct out-of-window instream work at Pigeon Creek (work to be completed no later than November 16, 2014) | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | October 28, 2014 | DFO issued a “no objection” email to the Province on October 28, 2014. The relevant work is complete. |
| Request to DFO to allow instream works to occur outside the least-risk fisheries window at Scott Creek (to install bank stabilization). | <i>Fisheries Act</i> , Subsection 35(2)(b); DFO Authorization No. 06-HPAC-PA1-00001 | January 29, 2015 | DFO issued a “no objection” email to the EGRT on January 30, 2015. The relevant work is complete. |
| Provincial | | | |
| Ministry of Forests, Lands and Natural Resource Operations (FLNR) Approval to allow changes in and about a stream (major works) at Kyle Creek, Suterbrook Creek, Scott Creek and “Mariner Pond” | <i>Water Sustainability Act</i> ² , Section 11 | May 27, 2013 | Approval (#A2006043) was received on July 24, 2013. The Approval expires Dec. 31, 2016. |
| Order amending Approval A2006043 to allow instream works to occur outside the least-risk fisheries window | <i>Water Sustainability Act</i> , Section 11 | September 30, 2013 | The Order was received on Sept. 30, 2013. The Order applies to all watercourses affected by the Project. The Order expires Dec. 31, 2016. |
| Approval to construct habitat compensation at Hoy Creek. | <i>Water Sustainability Act</i> , Section 11 | May 14, 2015 | Approval (#A2006297) was received on July 23, 2015. The Approval expires Dec. 1, 2016. |
| Approval to construct habitat compensation at Schoolhouse Creek. | <i>Water Sustainability Act</i> , Section 11 | May 15, 2015 | Approval (#2006301) was received on December 21, 2015. The Approval expires Dec. 1, 2017. |
| Notification to FLNR Habitat Officer to allow changes in and about a stream (GVSDD storm system repairs) – Ottley Creek | <i>Water Sustainability Act</i> , Section 11 Water Sustainability Regulation, Part 3 | June 21, 2016 | Notification was assigned file # 100169648. FLNR green-lighted the work |

² A new *Water Sustainability Act* came into force in early 2016 that updated and replaced the historic *Water Act*. Approvals shown in this matrix were all issued pursuant to section 9 of the *Water Act*. Those that remain active are grandfathered under the WSA. Section 11 of the WSA is now the relevant Section. The matrix has been updated to show the Approvals are pursuant to the WSA, Section 11. Similarly, the Water Regulation was replaced by the Water Sustainability Regulation. Except for the Notification shown for culvert repairs at Ottley Creek (June 21, 2016), all the Notifications shown in the matrix were originally submitted pursuant to Part 7 of the Water Regulation. The applicable regulation is now Part 3 of the Water Sustainability Regulation, as shown in this matrix.

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|-------------------|--|
| | | | in an email dated July 21, 2016. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Schoolhouse Creek | Water Sustainability Regulation, Part 3 | May 17, 2013 | The Permit (FLRN tracking #2013-104) has expired and is superseded by a new Notification (see row below). |
| Notification to FLNR to allow changes in and about a stream (drainage, PPS and road works) – Schoolhouse Creek | Water Sustainability Regulation, Part 3 | Dec. 10, 2013 | The Permit (FLRN tracking #124843) is now in place and supersedes #2013-104 (see row above). The Notification expired Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Permit (FLRN tracking #111384) has expired and is superseded by a new Notification (see row below). |
| Notification to FLNR to allow changes in and about a stream (changes to guideway works) – Slaughterhouse Creek | Water Sustainability Regulation, Part 3 | November 14, 2013 | The Permit (FLRN tracking #120176) is now in place and supersedes #111384 (see row above). The Notification expired on Dec. 31, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Permit (FLRN tracking #112669) expired on September 30, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pigeon Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145189) and became active on October 1, 2014 superseding the previous Notification. The Notification expired Dec. 31, 2015. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | June 14, 2013 | The Permit (FLRN tracking #112669) is now in place. The Notification expired on May 15, 2014. |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Pinnacle Creek | Water Sustainability Regulation, Part 3 | April 16, 2014 | The Notification expired on December 31, 2015. |

| Permit Description | Act/Regulation | Application Date | Status |
|---|--|-------------------|---|
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | May 31, 2013 | The Notification (FLNR Tracking #111383) expired on September 30, 2014 and is superseded by an updated Notification which becomes active on Oct 1, 2014 (see row below). |
| Notification to FLNR to allow changes in and about a stream (guideway works) – Hoy Creek | Water Sustainability Regulation, Part 3 | August 15, 2014 | The Notification was accepted by FLNR (tracking number 145190) and became active on October 1, 2014 superseding the previous Notification. The new Notification expired on Apr. 30, 2015. |
| FLNR Permit to allow fish salvage (intended for habitat construction at Schoolhouse Creek) | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | December 23, 2015 | The Permit (#SU16-223632) was issued on February 9, 2016. It expires Dec. 31, 2016. |
| FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | June 25, 2013 | The Permit (#SU13-88489) was issued on July 16, 2013. The Permit is superseded by the Amendment extension (see row below). |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | March 4, 2014 | The Permit (#SU13-88489) was issued on March 6, 2014. The Permit expired on June 29, 2015. |
| Amendment to FLNR Permit to allow fish salvage | <i>Wildlife Act</i> , Section 19; and Angling and Scientific Regulations, Section 18 | January 15, 2015 | The Permit (#SU15-165242) was issued on February 12, 2015 Note this permit superseded #SU13-88489 (see row above). The Permit expired on December 31, 2015. |
| FLNR Permit to allow wildlife salvage | <i>Wildlife Act</i> , Permit Regulation, Section 2 | May 13, 2013 | The Permit (#SU13-87792) was issued on July 9, 2013. The Permit expired on July 1, 2014 and has not been renewed as wildlife salvage is no |

| Permit Description | Act/Regulation | Application Date | Status |
|---|--|-------------------|---|
| | | | longer required. |
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | April 4, 2013 | The Permit was issued on June 18, 2013. The Permit expired Dec. 31, 2014. |
| FLNR Heritage Inspection Permit (HIP) to allow archaeological monitoring | <i>Heritage Conservation Act</i> , Section 14 | August, 2014 | The Permit was amended on August 28, 2014. The Permit expired June 30, 2015. The final report has been submitted to Archaeology Branch and relevant First Nations. |
| Regional/Municipal | | | |
| Waste Discharge Permit | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | November 26, 2013 | The Permit (#SC-100914-FSA) was issued on February 17, 2014. The Permit does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and EGRT advised Metro Vancouver of this on July 27, 2016. Metro Vancouver sent a letter to EGRT dated August 24, 2016 cancelling the Permit. |
| Waste Discharge Permit – amendment to include additional scope. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | April 10, 2014 | The Permit (#SC-100914-FSA) was amended on April 28, 2014. The Amendment does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and the Permit was cancelled on July 27, 2016. |
| Waste Discharge Permit – Minor Amendment to include additional treatment components (including a clarifier, mixing tank and filter press) and to address a change in sampling location. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended) | July 29, 2014 | The Minor Amendment to the Permit (#SC-100914-FSA) was issued on August 13, 2014. The Permit does not specify an end-date. As of June 2016, discharge to sanitary is no longer necessary and |

| Permit Description | Act/Regulation | Application Date | Status |
|---|---|------------------|---|
| | | | the Permit was cancelled on July 27, 2016. |
| Waste Discharge Permit (one time request to discharge groundwater associated with the dewatering operation at Clarke Rd and Seaview Dr.). | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | March 27, 2015 | Metro Vancouver issued a Waste Discharge Permit (No. SC-100990-FSA) to EGRT on April 2, 2015. The Permit expired on May 15, 2015. |
| Waste Discharge Permit – Minor Amendment to extend the Permit end-date to July 31, 2015. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | May 2, 2015 | Metro Vancouver issued a Minor Amendment to Permit No. SC-100990-FSA on May 15, 2015. The Permit expired on July 31, 2015. |
| Waste Discharge Permit – Major Amendment to extend the Permit end-date to Sept. 30, 2015 and increase the total allowed discharge to sanitary system. | Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw #299, 2007 (as amended). | July 22, 2015 | Metro Vancouver issued a Major Amendment to Permit No. SC-100990-FSA on Aug. 11, 2015. The Permit expired on Sept. 30, 2015. |
| Other | | | |
| Tsleil-Waututh Nation - Heritage Investigation Permit | N/A | July 2, 2014 | An amendment to the Permit (#2013-014) was issued on October 3, 2014. Archaeological investigation and monitoring are complete. |
| Sto:Lo First Nation - Heritage Investigation Permit | N/A | May 6, 2013 | Permit (#2013-031) was issued on June 4, 2013. Archaeological investigation and monitoring are complete. |

ATTACHMENT G

Four Month Look Ahead
Audit Schedule

DISCONTINUED
See Section 8.2

Attachment H

Table 3 – Quality Audits

| Audit Report Number | Discipline | Auditor | Auditee | Audit Date | NCR's Raised | OFI's Raised |
|-----------------------------|------------|---------|----------------------|------------|--------------|--------------|
| 511325-00000-SWSL-38QB-0001 | Design | EGRT | SNC Lavalin | 23-Apr-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0002 | Design | EGRT | SNC Lavalin | 03-May-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0003 | Design | EGRT | IBT | 11-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0004 | Design | EGRT | MMM | 06-Jun-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0005 | Design | EGRT | EBA | 04-Jun-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0006 | Design | EGRT | Fast+Epp | 25-Jun-13 | 1 | 0 |
| 511325-00000-SWSL-38QB-0007 | Design | EGRT | Jacobs | 18-Jun-13 | 1 | 1 |
| 511325-00000-SWSL-38QB-0008 | Design | EGRT | RJC | 18-Jul-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0009 | Design | EGRT | Francel Architecture | 23-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0010 | Design | EGRT | Perkin + Will | 14-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0011 | Design | EGRT | Dialogue | 22-Aug-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0012 | Design | EGRT | AES | 24-Sep-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0013 | Design | EGRT | SNC Lavalin | 19-Dec-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0014 | Design | EGRT | SNC Lavalin | 30-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0015 | Design | EGRT | SNC Lavalin | 10-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0016 | Design | EGRT | SNC Lavalin | 06-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0017 | Design | EGRT | SNC Lavalin | 25-Oct-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0018 | Design | EGRT | SNC Lavalin | 27-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0019 | Design | EGRT | SNC Lavalin | 25-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0020 | Design | EGRT | Jacobs | 12-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0021 | Design | EGRT | MMM Group | 23-Sept-14 | 1 | 0 |
| 511325-00000-SWSL-38QB-0022 | Design | EGRT | SNCL Electrical | 27-Nov-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0023 | Design | EGRT | SNC Lavalin | 6-Feb-15 | 2 | 1 |

| | | | | | | |
|-----------------------------|---------------|------|--------------|------------|---|----|
| 511325-00000-SWSL-38QB-0025 | Design | EGRT | SLCW-SW | 5-Aug-15 | - | 1 |
| 511325-00000-SWSL-38QB-0026 | Design | EGRT | SLCW-SW | 2-Nov-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0101 | Environmental | EGRT | EGRT | 20-Aug-13 | 0 | 4 |
| 511325-00000-SWSL-38QB-0102 | Environmental | EGRT | SGJV | 13-Sep-13 | 1 | 14 |
| 511325-00000-SWSL-38QB-0103 | Environmental | EGRT | SLCW-GST | 03-Oct-13 | 0 | 11 |
| 511325-00000-SWSL-38QB-0104 | Environmental | EGRT | EGRT | 25-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0105 | Environmental | EGRT | SLCW-GST | 16-Jan-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0106 | Environmental | EGRT | SGJV | 04-Feb-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0107 | Environmental | EGRT | SLCW-EG | 07-Feb-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0108 | Environmental | EGRT | SSJV | 28-Feb-14 | 0 | 10 |
| 511325-00000-SWSL-38QB-0109 | Environmental | EGRT | EGRT | 11-Apr-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0110 | Environmental | EGRT | SLCW-GST | 6-May-14 | 0 | 2 |
| 511325-00000-SWSL-38QB-0111 | Environmental | EGRT | SGJV | 8-May-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0112 | Environmental | EGRT | SSJV | 24-Jun-14 | 0 | 4 |
| 511325-00000-SWSL-38QB-0113 | Environmental | EGRT | SLCW-EG | 8-Sept-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0114 | Environmental | EGRT | SLCW-GST | 25-Sept-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0115 | Environmental | EGRT | SGJV | 27-Oct-14 | 2 | 2 |
| 511325-00000-SWSL-38QB-0116 | Environmental | EGRT | SSJV | 9-Jan-15 | 0 | 1 |
| 511325-00000-SWSL-38QB-0117 | Environmental | EGRT | SLCW-GST | 30-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0118 | Environmental | EGRT | SGJV | 6-Mar-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0119 | Environmental | EGRT | SLCW-EG | 30-Apr-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0120 | Environmental | EGRT | SLCW-GST | 4-May-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0121 | Environmental | EGRT | SSJV | 26-Jun-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0122 | Environmental | EGRT | DBC | 24-Aug-15 | - | - |
| 511325-00000-SWSL-38QB-0123 | Environmental | EGRT | SSJV | 5-Nov-15 | 1 | 1 |
| 511325-00000-SWSL-38QB-0124 | Environmental | EGRT | SLCW-GST-TFO | 16-Apr-08 | 1 | 3 |
| 511325-00000-SWSL-38QB-0201 | Traffic | EGRT | SGJV | 04-Jun-13 | 0 | 2 |

| | | | | | | |
|-----------------------------|------------------|----------|---------------|-----------|---|---|
| 511325-00000-SWSL-38QB-0202 | Traffic | EGRT | SLCW-GST | 09-Jul-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0203 | Transit Facility | EGRT | SLCW-GST | 25-Sep-13 | 0 | 1 |
| 511325-00000-SWSL-38QB-0204 | Traffic | EGRT | SLCW-GST | 26-Sep-13 | 0 | 2 |
| 511325-00000-SWSL-38QB-0205 | Traffic | EGRT | SGJV | 13-Nov-13 | 2 | 1 |
| 511325-00000-SWSL-38QB-0206 | Transit Facility | EGRT | SLCW-GST | 22-Nov-13 | 0 | 0 |
| 511325-00000-SWSL-38QB-0207 | Transit Facility | EGRT | SLCW-GST | 09-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0208 | Traffic | EGRT | SLCW-GST | 23-Jan-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0209 | Transit Facility | EGRT | SLCW-GST | 20-Feb-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0210 | Traffic | EGRT | SLCW-EG | 12-Mar-14 | 0 | 0 |
| 511325-00000-SWSL-38QB-0211 | Traffic | EGRT | SLCW-EG | 13-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0212 | Traffic | EGRT | SSJV | 15-Jan-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0213 | Traffic | EGRT | SSJV | 15-Dec-15 | 1 | 0 |
| 511325-00000-SWSL-38QB-0214 | Traffic | EGRT | SLCW-GST | 23-Feb-16 | 0 | 0 |
| 511326-00000-SWSG-38QB-0301 | Construction | SGJV | SGJV | 30-May-13 | 0 | 3 |
| 511325-00000-SWSL-38QB-0302 | Construction | EGRT | EGRT | 13-Jun-13 | 0 | 3 |
| 511327-00000-SWSR-38QB-0303 | Construction | SLCW-EG | Armtec | 14-Jun-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0304 | Construction | SLCW-GST | SLCW-GST | 24-Jun-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0305 | Construction | SLCW-GST | SLCW-GST | 23-Jul-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0306 | Construction | SLCW-GST | Canron | 28-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0307 | Construction | SGJV | SGJV | 13-Aug-13 | 0 | 2 |
| 511326-00000-SWSG-38QB-0308 | Construction | SGJV | SGJV | 15-Aug-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0309 | Construction | SGJV | Pedre | 09-Aug-13 | 0 | 6 |
| 511326-00000-SWSG-38QB-0310 | Construction | SGJV | Armtec | 27-Sep-13 | 0 | 3 |
| 511414-00000-SWGS-38QB-0311 | Construction | SLCW-GST | Metro Testing | 03-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0312 | Construction | SGJV | SGJV | 25-Oct-13 | 0 | 1 |
| 511326-00000-SWSG-38QB-0313 | Construction | SGJV | SGJV | 14-Nov-13 | 0 | 0 |
| 511328-00000-SWSS-38QB-0314 | Construction | SSJV | SSJV | 08-Nov-13 | 1 | 3 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------------|-----------|---|----|
| 511414-00000-SWGS-38QB-0315 | Construction | SLCW-GST | SLCW-GST | 03-Dec-13 | 0 | 2 |
| 511414-00000-SWGS-38QB-0316 | Construction | SLCW-GST | SLCW-GST | 05-Dec-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0317 | Construction | SGJV | SGJV | 21-Nov-13 | 0 | 1 |
| 511327-00000-SWSR-38QB-0318 | Construction | SLCW-EG | Harris PT | 25-Nov-13 | 0 | 4 |
| 511327-00000-SWSR-38QB-0319 | Construction | SLCW-EG | SLCW-EG | 28-Nov-13 | 0 | 0 |
| 511326-00000-SWSG-38QB-0320 | Construction | SGJV | SGJV | 12-Dec-13 | 0 | 0 |
| 511327-00000-SWSR-38QB-0321 | Construction | SLCW-EG | SLCW-EG | 13-Jan-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0322 | Construction | SSJV | SSJV | 06-Dec-13 | 0 | 4 |
| 511326-00000-SWSG-38QB-0323 | Construction | SGJV | SGJV | 29-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0324 | Construction | SGJV | AGI | 4-Mar-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0325 | Construction | SSJV | SSJV | 21-Jan-14 | 0 | 3 |
| 511328-00000-SWSS-38QB-0326 | Construction | SSJV | SSJV | 28-Jan-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0327 | Construction | SGJV | SGJV | 25-Feb-14 | 0 | 3 |
| 511326-00000-SWSG-38QB-0328 | Construction | SGJV | Keller Pile Driving | 24-Apr-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0329 | Construction | SLCW-GST | Stasuk Testing & Inspection Ltd. | 12-Mar-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0030 | Construction | EGRT | SLCW-GST | 28-Mar-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0331 | Construction | SLCW-EG | SLCW-EG | 7-Mar-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0332 | Construction | SSJV | APS | 20-Mar-14 | 0 | 15 |
| 511326-00000-SWSG-38QB-0333 | Construction | SGJV | SGJV | 25-Apr-14 | 0 | 3 |
| 511414-00000-SWGS-38QB-0334 | Construction | SLCW-GST | AMEC | 15-Apr-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0335 | Construction | SLCW-GST | Armtec | 16-May-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0336 | Construction | SGJV | SGJV | 19-Jun-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0337 | Construction | SLCW-EG | SLCW-EG | 20-Jun-14 | 0 | 1 |
| 511327-00000-SWSR-38QB-0338 | Construction | SLCW-EG | SLCW-EG | 26-Jun-14 | 0 | 1 |
| 511325-00000-SWSL-38QB-0339 | Construction | DBC | SLCW-GST | 8-Jul-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0340 | Construction | SLCW-SW | SLCW-SW | 24-Jul-14 | 0 | 0 |

| | | | | | | |
|-----------------------------|--------------|----------|-----------------------------|------------|---|---|
| 511414-00000-SWGS-38QB-0341 | Construction | SLCW-GST | Surespan | 12-Aug-14 | 0 | 2 |
| 511327-00000-SWSR-38QB-0342 | Construction | SLCW-EG | Harris-PT | 31-Jul-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0343 | Construction | SGJV | SGJV | 12-Aug-14 | 0 | 3 |
| 511414-00000-SWSG-38QB-0344 | Construction | SLCW-GST | SLCW-GST | 19-Aug-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0345 | Construction | SLCW-SW | Prime Engineering | 9-Oct-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0346 | Construction | SLCW-EG | Metro Testing Ltd. | 10-Oct-14 | 1 | 3 |
| 511328-00000-SWSS-38QB-0347 | Construction | SSJV | SSJV | 23-Sept-14 | 0 | 6 |
| 511414-00000-SWGS-38QB-0348 | Construction | SLCW-GST | LMS Reinforcing Steel Group | 07-Oct-14 | 0 | 2 |
| 511414-00000-SWGS-38QB-0349 | Construction | SLCW-GST | SLCW-GST | 15-Oct-14 | 1 | 0 |
| 511328-00000-SWSS-38QB-0350 | Construction | SSJV | SSJV | 21-Oct-14 | 0 | 3 |
| 511325-00000-SWSL-38QB-0351 | Construction | DBC | SLCW-GST | 7-Nov-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0352 | Construction | SSJV | APS | 6-Nov-14 | 0 | 8 |
| 511326-00000-SWSG-38QB-0353 | Construction | SGJV | SGJV | 7-Nov-14 | 0 | 0 |
| 511326-00000-SWSG-38QB-0354 | Construction | SGJV | Harris Rebar | 22-Oct-14 | 0 | 1 |
| 511328-00000-SWSS-38QB-0355 | Construction | SSJV | SSJV | 4-Nov-14 | 0 | 8 |
| 511325-00000-SWSL-38QB-0356 | Construction | DBC | SLCW-GST | 28-Nov-14 | 0 | 0 |
| 511414-00000-SWGS-38QB-0357 | Construction | SLCW-GST | SLCW-GST | 05-Dec-14 | 0 | 0 |
| 511327-00000-SWSR-38QB-0358 | Construction | SLCW-EG | SLCW-EG | 20-Nov-14 | 0 | 0 |
| 511328-00000-SWSS-38QB-0359 | Construction | SSJV | SSJV | 14-Nov-14 | 0 | 5 |
| 511414-00000-SWGS-38QB-0360 | Construction | SLCW-GST | SLCW-GST | 28-Nov-14 | 0 | 1 |
| 511414-00000-SWSW-38QB-0361 | Construction | SLCW-SW | SLCW-SW | 09-Dec-14 | 0 | 1 |
| 511326-00000-SWSG-38QB-0362 | Construction | SGJV | SGJV | 12-Dec-14 | 0 | 0 |
| 511414-00000-SWSW-38QB-0363 | Construction | SLCW-SW | SLCW-SW | 22-May-15 | 0 | 1 |
| 511414-00000-SWSW-38QB-0364 | Construction | SLCW-SW | WPE | 22-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0365 | Construction | SLCW-GST | Western Archib | 10-Feb-15 | 0 | 2 |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------|-----------|---|---|
| 511414-00000-SWGS-38QB-0366 | Construction | SLCW-GST | Pattison Sign Group | 18-Feb-15 | 0 | 1 |
| 511327-00000-SWSR-38QB-0367 | Construction | SLCW-EG | SLCW-EG | 16-Feb-15 | 0 | 0 |
| 511326-00000-SWSG-38QB-0368 | Construction | SGJV | SGJV | 5-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0369 | Construction | DBC | SLCW-GST | 16-Mar-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0370 | Construction | SLCW-GST | Acuren Group Inc | 8-Apr-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0371 | Construction | SLCW-GST | SLCW-GST | 24-Apr-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0372 | Construction | SLCW-GST | Metro Testing Laboratories | 29-Apr-15 | 0 | 0 |
| 511328-00000-SWSS-38QB-0373 | Construction | SLCW-GST | SLCW-GST | 5-May-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0374 | Construction | SLCW-GST | Houle Electric | 28-Aug-15 | 0 | 2 |
| 511328-00000-SWSS-38QB-0375 | Construction | SSJV | SSJV | 22-Apr-15 | 0 | 2 |
| 511327-00000-SWSR-38QB-0376 | Construction | SLCW-EG | SLCW-EG | 13-Jul-15 | 0 | 0 |
| 511325-00000-SWSL-38QB-0377 | Construction | DBC | SLCW-GST | 2-Jun-15 | 0 | 1 |
| 511414-00000-SWGS-38QB-0378 | Construction | SLCW-GST | Flynn Canada Ltd | 16-Jul-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0379 | Construction | DBC | SLCW-GST | 6-Aug-15 | - | 2 |
| 511414-00000-SWGS-38QB-0380 | Construction | SLCW-GST | SLCW-GST | 22-Dec-15 | 0 | 2 |
| 511414-00000-SWGS-38QB-0381 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWGS-38QB-0382 | Construction | SLCW-GST | SLCW-GST | 29-Sep-15 | 0 | 0 |
| 511414-00000-SWSW-38QB-0383 | Construction | SLCW-SW | WPE | 4-Dec-15 | - | - |
| 511414-00000-SWSW-38QB-0384 | Construction | SLCW-SW | Thales | 27-Nov-15 | - | 1 |
| 511414-00000-SWGS-38QB-0385 | Construction | SLCW-GST | SLCW-GST | 28-Jan-16 | 0 | 0 |
| 511414-00000-SWSW-38QB-0386 | Construction | SLCW-SW | SLCW-SW | 26-Jan-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0387 | Construction | SLCW-GST | SLCW-GST | 11-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0388 | Construction | SLCW-GST | SLCW-GST | 16-Feb-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0389 | Construction | SLCW-GST | WPE | 19-Feb-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0390 | Construction | DBC | SLCW-SW | 26-Feb-16 | 0 | 0 |

| | | | | | | |
|-----------------------------|--------------|----------|----------|-----------|---|---|
| 511328-00000-SWSS-38QB-0391 | Construction | DBC | SSJV | 3-Mar-16 | 0 | 0 |
| 511414-00000-SWGS-38QB-0392 | Construction | SLCW-GST | SLCW-GST | 17-Mar-16 | 0 | 2 |
| 511414-00000-SWSW-38QB-0393 | Construction | EGRT | SLCW-SW | 16-Apr-08 | 0 | 0 |
| 511325-00000-SWSL-38QB-0394 | Construction | DBC | SLCW-GST | 19-Apr-16 | 0 | 0 |