



# Change Approval and Notification (Changes In and About a Stream)

Tracking Number: 100188280

## APPLICANT INFORMATION

If approved, will the authorization be issued to an Individual or Company/Organization? Company/Organization

What is your relationship to the company/organization? Consultant

## APPLICANT COMPANY/ORGANIZATION CONTACT INFORMATION

Applicant is an Individual or an Organization to whom this authorization Permit / Tenure / Licence will be issued, if approved.

**Name:** BC Ministry of Transportation and Infrastructure

**Doing Business As:**

**Phone:** 604-527-2298

**Fax:**

**Email:** joanne.letkeman@gov.bc.ca

**BC Incorporation Number:**

**Extra Provincial Inc. No:**

**Society Number:**

**GST Registration Number:**

**Contact Name:** Joanne Letkeman

**Mailing Address:** 300-1500 Woolridge Street  
Coquitlam BC V3K 0B8

## CONSULTANT INFORMATION

Please enter the contact information of the Individual/Organization who is acting on behalf of the applicant.

**Name:** Hatfield Consultants

**Doing Business As:**

**Phone:** 604-926-3261

**Fax:** 604-926-5389

**Email:** brebellato@hatfieldgroup.com

**BC Incorporation Number:**

**Extra Provincial Inc. No:**

**Society Number:**

**GST Registration Number:**

**Contact Name:** Elizabeth Rebellato

**Mailing Address:** 200-850 Harbourside Drive  
North Vancouver BC V7P 0A3

**Letter(s) Attached:** Yes (Letter of Appointment\_BCGOV\_Scan.pdf)

## CORRESPONDENCE E-MAIL ADDRESS

If you would like to receive correspondence at a different email address than shown above, please provide the correspondence email address here. If left blank, all correspondence will be sent to the above given email address.

**Email:** brebellato@hatfieldgroup.com

**Contact Name:** Betty Rebellato

## TECHNICAL INFORMATION

### APPLICATION BY GOVERNMENT

Please indicate if you are someone who works in the government OR you are working on behalf of the government.

**Are you, or are you applying on behalf of, a government entity?** Yes

**What type of government are you applying for?** Provincial Government

### TYPE OF WORKS

Please select the type of Notifications/Approvals you want to apply for as part of this application.

**Please select the type of works to be undertaken:**

**Notification**

- Road Crossing Culvert - Construction / Maintenance / Removal
- Clear Span Bridge - Construction / Maintenance / Removal
- Pipeline Crossing – Construction / Maintenance
- Pier, Wharf, (including docks) – Construction / Maintenance / Removal
- Cutting of annual vegetation in a stream channel
- Dike or Erosion Protection Works - Repair / Maintenance
- Storm Sewer Outfalls – Construction / Maintenance
- Control of Eurasian Watermilfoil or other invasive aquatic vegetation
- Ice Bridge / Winter Ford or Snowfill - Construction / Maintenance
- Maintenance of minor and routine nature by a public utility
- Installation or cleaning of drain tile outlets
- Repair or maintenance of the superstructure of a bridge other than its foundation
- Installation, repair, maintenance or removal of fences
- Removal of a beaver dam (as authorized under the Wildlife Act)
- Construction of a temporary ford
- Construction of a temporary diversion around a worksite

**Notification and may only be undertaken by the Crown in right of either Canada or British Columbia:**

- Flow or water level measuring device - Construction / Maintenance / Removal
- Fish fence or screen, fish or game guard - Construction / Removal
- Fish habitat - Restoration / Maintenance

**Notification and may only be undertaken by the Crown in right of either British Columbia or a Municipality:**

- Stream Channel - Restoration / Maintenance
- Clearing of an obstruction from a bridge or culvert during a flood emergency
- Construction or placement of erosion protection works or flood protection works during a flood emergency

**Approval:**

- Bank Erosion Protection
- Bridge (other than clear span) - Construction / Maintenance / Removal
- Stream Diversion
- Large Debris Removal by machine - Plan required
- Gravel removal
- Other: Road crossing culverts that do not meet the conditions for notification

Please note that the ultimate decision whether this constitutes a Notification or a Change Approval lies with the Province of British Columbia

**SITES**

Click on the Add Sites button to add one or more sites.

---

**SITE**

**Location ID:** Guy CK H1-172 @ 216 St x'ing

---

**STREAM**

**Name of the Stream:** Guy Creek  
**Source Flows Into:** Salmon River

---

**PROPOSED WORKS**

**Detailed Description of Works:** The Ministry of Transportation and Infrastructure is planning to upgrade

Highway 1 from the east end of 200 Street to east of 216 Street in Langley, BC, and to build a new interchange at 216 Street. The project is a remnant of the Port Mann/Highway 1 (PMH1) project, which received an Environmental Assessment Certificate from the BC Environmental Assessment Office in 2008. MOTI has committed to meeting the requirements of the Environmental Assessment Certificate and Table of Commitments and Assurances, which includes a commitment in Appendix E to upgrade select culverts to accommodate both fish and wildlife passage. As part of the work, a culvert under 216 Street south of Highway 1 is proposed to be upgraded to a fish passable structure, which will connect branch of Guy Creek (labeled H1-172 for this project) that is currently enclosed on the west side of 216 Street to open portions of the stream to the east. Due to the amount of fill required for the Yorkson Creek culvert, upgrades to this crossing do not appear to meet the requirements for notification under the WSA. Specific to Guy Creek at H1-172, the following is proposed:

- Replace existing 45 m long, 900 mm concrete storm culvert and manhole under 216 Street with baffled 68.0 m long, 2134 x 2134 concrete box culvert at 3.5% gradient culvert;
- daylight and re-grade existing creek profile at inlet (6 m length) and re-grade outlet (20 m length; see drawings R1-818-711 and R1-818-731 in Appendix A1 of attached document).

Although the enclosed drainage on the west side of 216 Street will not be day-lighted as part of this project, the Township of Langley has expressed interest in working with the landowner through which the drainage runs to develop a plan for day-lighting this portion of the creek at a future date. The total footprint of this project for this portion of the creek, as expressed below, includes the aquatic and riparian footprints combined.

**Footprint of Project:** 17 m2

**PROPOSED TIMING FOR WORKS**

**Start Date:** Mar 1, 2017  
**End Date:** Dec 31, 2019  
**Is the proposed timing within the approved regional timing window?** No

If works are proposed outside the listed windows the proponent must engage a qualified professional to assess species and habitats present and determine if a site specific plan can be developed to ensure compliance with the Fisheries Act

**Reason to do work outside of approved timing window:** Construction works will take longer than the approved regional timing window in order to complete. However, installation of replacement culverts will be completed in the dry, with no disturbance to the existing creek channel. Tie-ins of replacement culverts and commissioning works will all be completed within the approved regional timing window.

**LOCATION OF WORKS**

**Provide a legal description of the land(s) where works are proposed:** 8163 216 Street Property ID 004-351-509 Section 25 Township 8, New Westminster District PNWP71997; 8198 216 Street Property ID 01-300-257 Lots 1 and 2 District Lot 323 New Westminster District, PLNP1677 (MOTI owns Lot 1 and has written consent for Lot 2)  
**Geographic Coords of Works:** 49.1509980, -122.6241150  
**Photo of Works Location:**

**LAND OWNERSHIP AT THE WORKS**

**Land Ownership:**

- Applicant owns land
- Land is Crown Land but applicant has tenure
- Land is Crown Land but tenured to Ministry of Transportation
- A third Party owns the land but the applicant has lease or tenure
- A third Party owns the land but applicant has written consent
- Land is Crown Land but the applicant does not have a tenure

For all private lands, you must obtain and provide the landowner's written consent. The consent form must describe the proposed project and contain the landowners address, telephone number and postal code. Upload a copy of the landowner's written consent using the upload documents section of this form.

**SITE**

**Location ID:** Guy Ck trib H1-156

**STREAM**

**Name of the Stream:** Guy Creek  
**Source Flows Into:** Salmon River

**PROPOSED WORKS****Detailed Description of Works:**

The Ministry of Transportation and Infrastructure is planning to upgrade Highway 1 from the east end of 200 Street to east of 216 Street in Langley, BC, and to build a new interchange at 216 Street. The project is a remnant of the Port Mann/Highway 1 (PMH1) project, which received an Environmental Assessment Certificate from the BC Environmental Assessment Office in 2008. MOTI has committed to meeting the requirements of the Environmental Assessment Certificate and Table of Commitments and Assurances, which includes a commitment in Appendix E to upgrade select culverts to accommodate both fish and wildlife passage. As part of the work, two ditches paralleling 216 street north of Highway 1 will be combined and relocated to the north side of the planned westbound off-ramp for Highway 1. Both ditches currently flow under a driveway to an adjacent mushroom farm. One ditch (H1-173) is green-coded and the other is yellow-coded (H1-156). The driveway will be relocated to the north of the new 216 Street interchange, and the culverts replaced with a single box culvert designed for fish and wildlife. Specifically, the following is proposed:

- Remove existing 38 m x 600 mm CSP culvert connecting H1-157 to green-coded ditch on north side of 216 Street under mushroom farm driveway;
- relocate H1-156 to east and north sides of 216 Street off-ramp;
- connect to Guy Creek via 35.0 m long, 3353 x 1524 mm baffled box culvert at 2% gradient;
- re-grade ~28 m of stream downstream of culvert with boulder weirs (see drawings R1-818-712, R1-818-713, and 10071-101 to 10071-103 in Appendix A1 of attached document).

The total footprint of this project for this portion of the creek, as expressed below, includes the aquatic and riparian footprints combined.

**Footprint of Project:** 4,216 m<sup>2</sup>

---

**PROPOSED TIMING FOR WORKS**

**Start Date:** Mar 1, 2017  
**End Date:** Dec 31, 2019  
**Is the proposed timing within the approved regional timing window?** No

If works are proposed outside the listed windows the proponent must engage a qualified professional to assess species and habitats present and determine if a site specific plan can be developed to ensure compliance with the Fisheries Act

**Reason to do work outside of approved timing window:** Construction works will take longer than the approved regional timing window in order to complete. However, installation of replacement culverts will be completed in the dry, with no disturbance to the existing creek channel. Tie-ins of replacement culverts and commissioning works will all be completed within the approved regional timing window.

---

**LOCATION OF WORKS**

**Provide a legal description of the land(s) where works are proposed:** Lot 15 District Lot 321 New Westminster District, PLNWP38921; (MOTI has completed property acquisition for this lot)  
**Geographic Coords of Works:** 49.1509980, -122.6241150  
**Photo of Works Location:**

---

**LAND OWNERSHIP AT THE WORKS**

**Land Ownership:**

- Applicant owns land
- Land is Crown Land but applicant has tenure
- Land is Crown Land but tenured to Ministry of Transportation
- A third Party owns the land but the applicant has lease or tenure
- A third Party owns the land but applicant has written consent
- Land is Crown Land but the applicant does not have a tenure

---

**SITE**

**Location ID:** Guy Creek Hwy 1 xing (H1-152)

---

**STREAM**

**Name of the Stream:** Guy Creek  
**Source Flows Into:** Salmon River

---

**PROPOSED WORKS**

**Detailed Description of Works:** The Ministry of Transportation and Infrastructure is planning to upgrade Highway 1 from the east end of 200 Street to east of 216 Street in Langley, BC, and to build a new interchange at 216 Street. The project is a remnant of the Port Mann/Highway 1 (PMH1) project, which received an Environmental Assessment Certificate from the BC Environmental Assessment Office in 2008. MOTI has committed to meeting the requirements of the Environmental Assessment Certificate and Table of Commitments and Assurances, which includes a commitment in Appendix E to upgrade select culverts to accommodate both fish and wildlife passage. As part of the work, the existing culvert under Highway 1 will be infilled with sand, gravel and cobbles to facilitate wildlife crossing, and a new baffled 4300 mm SPCSP culvert will be installed to facilitate fish passage. Specifically, the following is proposed:

-Re-grade stream channel at H1-172 outlet under 216 street (~15 m length);  
 -remove existing south crossing 1200 mm diameter CSP culvert; replace with 66.0 m x 1200 mm CSP culvert connecting to existing 58 m x 1200 mm CSP north culvert and infill with sand, gravel and cobbles for wildlife crossing;  
 -Replace existing stream crossing with 107.5 m long, baffled 4300 mm diameter SPCSP culvert at 3% with gravel infill;  
 -re-grade 50 m of creek channel at inlet and 24 m of channel at outlet and reinforce with rip rap (see drawings R1-818-711, R1-818-813, and 10068-101 to 10068-107).

The total footprint of this project for this portion of the creek, as expressed below, includes the aquatic and riparian footprints combined.

**Footprint of Project:** 3,221 m<sup>2</sup>

**PROPOSED TIMING FOR WORKS**

**Start Date:** Mar 1, 2017  
**End Date:** Dec 31, 2019  
**Is the proposed timing within the approved regional timing window?** Yes

**LOCATION OF WORKS**

**Provide a legal description of the land(s) where works are proposed:** Lot B District Lot 323 New Westminster District, PLBCP 15675  
**Geographic Coords of Works:** 49.1508070, -122.6620120  
**Photo of Works Location:**

**LAND OWNERSHIP AT THE WORKS**

**Land Ownership:**

- Applicant owns land
- Land is Crown Land but applicant has tenure
- Land is Crown Land but tenured to Ministry of Transportation
- A third Party owns the land but the applicant has lease or tenure
- A third Party owns the land but applicant has written consent
- Land is Crown Land but the applicant does not have a tenure

For all private lands, you must obtain and provide the landowner's written consent. The consent form must describe the proposed project and contain the landowners address, telephone number and postal code. Upload a copy of the landowner's written consent using the upload documents section of this form.

**CONTACTS**

If you are not carrying out the work, indicate contractor/company's name, professional affiliation, mailing address, postal code and telephone numbers. If a different company is designing and supervising the work, please include this information as well

Contact Info	Type of Contact
<b>Name:</b> BC Ministry of Transportation and Infrastructure	Other
<b>Doing Business As:</b>	
<b>Phone:</b> 604-527-2298	
<b>Fax:</b>	
<b>Email:</b> joanne.letkeman@gov.bc.ca	
<b>BC Inc. Number:</b>	
<b>GST Registration Number:</b>	
<b>Contact Name:</b> Joanne Letkeman	

**Mailing Address:** 310-1500 Woolridge Street  
Coquitlam BC V3K 0B8

---

**Name:** Binnie Consulting Ltd. Design and Supervision  
**Doing Business As:**  
**Phone:** 778-945-6051  
**Fax:** 604-420-4743  
**Email:** gfleming@binnie.com  
**BC Inc. Number:**  
**GST Registration Number:**  
**Contact Name:** Gerry Fleming  
**Mailing Address:** 205-4946 Canada Way  
Burnaby BC V5G 4H7  
**Cert:**

---

---

**SITE**

**Location ID:** Guy Creek north branch H1-157

---

**STREAM**

**Name of the Stream:** Guy Creek  
**Source Flows Into:** Salmon River

---

**PROPOSED WORKS**

**Detailed Description of Works:** The Ministry of Transportation and Infrastructure is planning to upgrade Highway 1 from the east end of 200 Street to east of 216 Street in Langley, BC, and to build a new interchange at 216 Street. The project is a remnant of the Port Mann/Highway 1 (PMH1) project, which received an Environmental Assessment Certificate from the BC Environmental Assessment Office in 2008. MOTI has committed to meeting the requirements of the Environmental Assessment Certificate and Table of Commitments and Assurances, which includes a commitment in Appendix E to upgrade select culverts to accommodate both fish and wildlife passage. As part of the work, an existing culvert located along an abandoned right-of-way will be removed and the stream channel reinstated. Specifically, the following is proposed:

-remove existing 42.4 m x 600 mm CSP culvert under abandoned right-of-way and reinstate stream channel to 2.2 m width with 2:1 side slopes (see drawings R1-818-712, R1-818-713, and 10071-101 to 10071-103 Appendix A1 of attached document).

The total footprint of this project for this portion of the creek, as expressed below, includes the aquatic and riparian footprints combined.

**Footprint of Project:** 615 m<sup>2</sup>

---

**PROPOSED TIMING FOR WORKS**

**Start Date:** Mar 1, 2017  
**End Date:** Dec 31, 2019  
**Is the proposed timing within the approved regional timing window?** Yes

---

**LOCATION OF WORKS**

**Provide a legal description of the land(s)  
where works are proposed:**  
**Geographic Coords of Works:**  
**Photo of Works Location:**

Lot 15 District Lot 321 New Westminster District. PLNWP38921  
49.1516730, -122.6199350

---

**LAND OWNERSHIP AT THE WORKS**

**Land Ownership:**

- Applicant owns land
- Land is Crown Land but applicant has tenure
- Land is Crown Land but tenured to Ministry of Transportation
- A third Party owns the land but the applicant has lease or tenure
- A third Party owns the land but applicant has written consent
- Land is Crown Land but the applicant does not have a tenure

---

**SITE**

**Location ID:**

Guy Creek trib H1-154

---

**STREAM**

**Name of the Stream:**  
**Source Flows Into:**

Guy Creek  
Salmon River

---

**PROPOSED WORKS**

**Detailed Description of Works:**

The Ministry of Transportation and Infrastructure is planning to upgrade Highway 1 from the east end of 200 Street to east of 216 Street in Langley, BC, and to build a new interchange at 216 Street. The project is a remnant of the Port Mann/Highway 1 (PMH1) project, which received an Environmental Assessment Certificate from the BC Environmental Assessment Office in 2008. MOTI has committed to meeting the requirements of the Environmental Assessment Certificate and Table of Commitments and Assurances, which includes a commitment in Appendix E to upgrade select culverts to accommodate both fish and wildlife passage. As part of the work, an ephemeral yellow-coded stream will be rerouted to cross under Highway 1 through the fish passable Guy Creek culvert, in accordance with the EAO Appendix E commitments to meet the requirements for fish and wildlife passage. Specifically, the following is proposed:

- Remove the existing 21.0 m x 600 mm CSP culvert under Highway 1;
- re-route lower 90 m of channels at Highway 1 to the west for 150 m, via a 3.0 m wide channel (bottom width), to outlet at Guy Creek H1-152 at the south end of the new Highway 1 crossing; and
- reinforce outlet with rip rap (see drawings R1-818-713, 10068-108 and 10068-109 in Appendix A1 of attached document).

The total footprint of this project for this portion of the creek, as expressed below, includes the aquatic and riparian footprints combined.

**Footprint of Project:**

3,000 m<sup>2</sup>

---

**PROPOSED TIMING FOR WORKS**

**Start Date:**  
**End Date:**

Mar 1, 2017  
Dec 31, 2019



**Is the proposed timing within the approved regional timing window?** No

If works are proposed outside the listed windows the proponent must engage a qualified professional to assess species and habitats present and determine if a site specific plan can be developed to ensure compliance with the Fisheries Act

**Reason to do work outside of approved timing window:**

Construction works will take longer than the approved regional timing window in order to complete. However, re-routing of the stream channel will take place during the least risk timing window, and installation of replacement culverts will be completed in the dry, with no disturbance to the existing creek channel. Tie-ins of replacement culverts and commissioning works will all be completed within the approved regional timing window.

---

**LOCATION OF WORKS**

**Provide a legal description of the land(s) where works are proposed:**  
**Geographic Coords of Works:**  
**Photo of Works Location:**

Lot B District Lot 323 New Westminster District, BCP15675  
49.1505860, -122.6194030

---

**LAND OWNERSHIP AT THE WORKS**

**Land Ownership:**

- Applicant owns land
- Land is Crown Land but applicant has tenure
- Land is Crown Land but tenured to Ministry of Transportation
- A third Party owns the land but the applicant has lease or tenure
- A third Party owns the land but applicant has written consent
- Land is Crown Land but the applicant does not have a tenure

For all private lands, you must obtain and provide the landowner's written consent. The consent form must describe the proposed project and contain the landowners address, telephone number and postal code. Upload a copy of the landowner's written consent using the upload documents section of this form.

---

**CONTACTS**

If you are not carrying out the work, indicate contractor/company's name, professional affiliation, mailing address, postal code and telephone numbers. If a different company is designing and supervising the work, please include this information as well

**Contact Info**

**Name:** BC Ministry of Transportation and Infrastructure  
**Doing Business As:**  
**Phone:** 604-527-2298  
**Fax:**  
**Email:** joanne.letkemann@gov.bc.ca  
**BC Inc. Number:**  
**GST Registration Number:**  
**Contact Name:** Joanne Letkeman  
**Mailing Address:** 310-1500 Woolridge Street  
Coquitlam BC V3K 0B8

**Type of Contact**

Other

---

**Name:** Binnie Consulting Ltd.  
**Doing Business As:**  
**Phone:** 778-945-6051  
**Fax:** 604-420-4743  
**Email:** glfeming@binnie.com  
**BC Inc. Number:**

Design and Supervision

**GST Registration Number:**  
**Contact Name:** Gerry Fleming  
**Mailing Address:** 205-4946 Canada Way  
Burnaby BC V5G 4H7  
**Cert:**

---

**SITE**

**Location ID:** West Munday Ck Trib H1-168

---

**STREAM**

**Name of the Stream:** Unnamed tributary to West Munday Creek  
**Source Flows Into:** West Munday Creek

---

**PROPOSED WORKS**

**Detailed Description of Works:** The Ministry of Transportation and Infrastructure is planning to upgrade Highway 1 from the east end of 200 Street to east of 216 Street in Langley, BC, and to build a new interchange at 216 Street. The project is a remnant of the Port Mann/Highway 1 (PMH1) project, which received an Environmental Assessment Certificate from the BC Environmental Assessment Office in 2008. MOTI has committed to meeting the requirements of the Environmental Assessment Certificate and Table of Commitments and Assurances, which includes the installation of sound attenuation in areas where noise from the highway is expected to increase for nearby residents as a result of the project. In order to accommodate the installation of a sound wall on the north side of Highway 1, a culvert must be installed in the unnamed tributary to facilitate the wall crossing. The primary purpose of the culvert does not meet the use of a road, trail or footpath and therefore does not appear to meet the requirements for notification under the WSA. Specific to unnamed tributary H1-168, the following is proposed:

- Install sound wall across creek with 2 m wide cut and fill line;
- install 14.5 m long 600 mm diameter CSP underneath wall at 0.5%; reinforce inlets and outlets (see drawing R1-818-707 in attached document Appendix A1). Photos of the work location are included in Appendix A4 of the attached document.

**Footprint of Project:** 430 m2

---

**PROPOSED TIMING FOR WORKS**

**Start Date:** Mar 1, 2017  
**End Date:** Dec 31, 2019

**Is the proposed timing within the approved regional timing window?** No

If works are proposed outside the listed windows the proponent must engage a qualified professional to assess species and habitats present and determine if a site specific plan can be developed to ensure compliance with the Fisheries Act

**Reason to do work outside of approved timing window:** Construction works may take longer than the approved regional timing window in order to complete. However, installation of replacement culverts will be completed in the dry, with no disturbance to the existing creek channel. Tie-ins of replacement culverts and commissioning works will all be completed within the approved regional timing window.

---

**LOCATION OF WORKS**

**Provide a legal description of the land(s) where works are proposed:** MOTI right of way west of Lot 24 Sec 25 TWP 8 NWD, PL1650  
**Geographic Coords of Works:** 49.1578570, -122.6432410  
**Photo of Works Location:**

---

**LAND OWNERSHIP AT THE WORKS**

**Land Ownership:**

- Applicant owns land
- Land is Crown Land but applicant has tenure
- Land is Crown Land but tenured to Ministry of Transportation
- A third Party owns the land but the applicant has lease or tenure
- A third Party owns the land but applicant has written consent
- Land is Crown Land but the applicant does not have a tenure

---

**CONTACTS**

If you are not carrying out the work, indicate contractor/company's name, professional affiliation, mailing address, postal code and telephone numbers. If a different company is designing and supervising the work, please include this information as well

<b>Contact Info</b>		<b>Type of Contact</b>
<b>Name:</b>	Binnie Consulting Ltd	Design and Supervision
<b>Doing Business As:</b>		
<b>Phone:</b>	778-945-6051	
<b>Fax:</b>	604-420-4743	
<b>Email:</b>	gfleming@binnie.com	
<b>BC Inc. Number:</b>		
<b>GST Registration Number:</b>		
<b>Contact Name:</b>	Gerry Fleming	
<b>Mailing Address:</b>	204-4946 Canada Way Burnaby BC V5G 4H7	
<b>Cert:</b>		
<b>Name:</b>	Ministry of Transportation and Infrastructure	Other
<b>Doing Business As:</b>		
<b>Phone:</b>	604-527-2258	
<b>Fax:</b>		
<b>Email:</b>	joanne.letkeman@gov.bc.ca	
<b>BC Inc. Number:</b>		
<b>GST Registration Number:</b>		
<b>Contact Name:</b>	Joanne Letkeman	
<b>Mailing Address:</b>	310-1500 Woolridge Street Coquitlam BC V3K 0B8	

---

**SITE**

**Location ID:** Yorkson Creek

---

**STREAM**

**Name of the Stream:** Yorkson Creek  
**Source Flows Into:** Fraser River

---

**PROPOSED WORKS**

**Detailed Description of Works:** The Ministry of Transportation and Infrastructure is planning to upgrade Highway 1 from the east end of 200 Street to east of 216 Street in Langley, BC,

---

and to build a new interchange at 216 Street. The project is a remnant of the Port Mann/Highway 1 (PMH1) project, which received an Environmental Assessment Certificate from the BC Environmental Assessment Office in 2008. MOTI has committed to meeting the requirements of the Environmental Assessment Certificate and Table of Commitments and Assurances, which includes a commitment in Appendix E to upgrade select culverts to accommodate both fish and wildlife passage. Due to the large amount of fill required for the Yorkson Creek culvert, upgrades to this crossing do not appear to meet the requirements for notification under the WSA. Specific to Yorkson Creek, the following is proposed:

- Replace existing 92 m long, 1830 mm diameter corrugated steel pipe (CSP) culvert with 86 m long, 4920 mm diameter baffled galvanized structural plate corrugated steel pipe (SPCSP) at 3.5% grade, with gravel infill;
- re-grade stream channel at culvert inlet (~40 m channel length) and reinforce inlet with 50 kg boulders and deflection wings using 1.0-1.5 m diameter boulders; re-grade outlet (~46 m stream length) and infill with gravels;
- enforce outlet with 50 kg rip rap;
- shorten existing culvert and convert to wildlife crossing (see drawings R1-818-705 and 10067-101 to 10067-107 in attached document Appendix A1). Photos of the work location are included in Appendix A4 of the attached document.

**Footprint of Project:** 1,720 m<sup>2</sup>

---

#### **PROPOSED TIMING FOR WORKS**

**Start Date:** Mar 1, 2017  
**End Date:** Dec 31, 2019  
**Is the proposed timing within the approved regional timing window?** No

If works are proposed outside the listed windows the proponent must engage a qualified professional to assess species and habitats present and determine if a site specific plan can be developed to ensure compliance with the Fisheries Act

**Reason to do work outside of approved timing window:** Construction works will take longer than the approved regional timing window in order to complete. However, installation of replacement culverts will be completed in the dry, with no disturbance to the existing creek channel. Tie-ins of replacement culverts and commissioning works will all be completed within the approved regional timing window.

---

#### **LOCATION OF WORKS**

**Provide a legal description of the land(s) where works are proposed:** Section NE26, Township 8, New Westminster District Plan NWP48848 (Ministry ROW) and Lot 20, Section 26, Township 8 New Westminster District Plan NWP 44051

**Geographic Coords of Works:** 49.1601150, -122.6535400

**Photo of Works Location:** Yorkson Creek - Yorkson Creek Highway 1 culvert inlet  
Yorkson Creek - Yorkson Creek Highway 1 culvert outlet  
Yorkson Creek - Yorkson Creek looking downstream from Highway 1 culvert outlet. Water is flowing subsurface through rip rap.  
Yorkson Creek - Yorkson Creek looking upstream from Highway 1 culvert inlet

---

#### **LAND OWNERSHIP AT THE WORKS**

**Land Ownership:**

- Applicant owns land
- Land is Crown Land but applicant has tenure
- Land is Crown Land but tenured to Ministry of Transportation

- A third Party owns the land but the applicant has lease or tenure
- A third Party owns the land but applicant has written consent
- Land is Crown Land but the applicant does not have a tenure

For all private lands, you must obtain and provide the landowner's written consent. The consent form must describe the proposed project and contain the landowners address, telephone number and postal code. Upload a copy of the landowner's written consent using the upload documents section of this form.

## CONTACTS

If you are not carrying out the work, indicate contractor/company's name, professional affiliation, mailing address, postal code and telephone numbers. If a different company is designing and supervising the work, please include this information as well

Contact Info		Type of Contact
<b>Name:</b>	BC Ministry of Transportation and Infrastructure	Other
<b>Doing Business As:</b>		
<b>Phone:</b>	604-527-2298	
<b>Fax:</b>		
<b>Email:</b>	joanne.letkeman@gov.bc.ca	
<b>BC Inc. Number:</b>		
<b>GST Registration Number:</b>		
<b>Contact Name:</b>	Joanne Letkeman	
<b>Mailing Address:</b>	310-1500 Woolridge Street coquitlam BC V3K 0B8	
<b>Name:</b>	Binnie Consulting Ltd.	Design and Supervision
<b>Doing Business As:</b>		
<b>Phone:</b>	778-945-6051	
<b>Fax:</b>	604-420-4743	
<b>Email:</b>	gfleming@binnie.com	
<b>BC Inc. Number:</b>		
<b>GST Registration Number:</b>		
<b>Contact Name:</b>	Gerry Fleming	
<b>Mailing Address:</b>	205-4946 Canada Way Burnaby BC V5G 4H7	
<b>Cert:</b>	P. Eng.	

## APPLICATION FOR FEE EXEMPTION

If you are, or are applying on behalf of, a provincial government ministry, the federal government, a First Nation for use of water on reserve land, or a person applying to use water on Treaty Lands, or a Nisga'a citizen or entity applying to use water from the Nisga'a Water Reservation, you may be exempt from the application fee and/or annual rental for this water licence application.

<b>Are you eligible to apply for a fee exemption?</b>	Yes
<b>Are you an existing exempt client?</b>	Yes
<b>Please enter your client number:</b>	unknown
<b>Fee Exemption Category:</b>	British Columbia Government Ministry
<b>Please enter any supporting information that will assist in determining your eligibility for a fee exemption. Please refer to help for details on fee exemption criteria and requirements.</b>	BC Ministry of Transportation and Infrastructure is a BC government entity. Please contact Joanne Letkeman joanne.letkeman@gov.bc.ca to establish a client number.

## LOCATION INFORMATION

A Drawing to Scale is required that meets the Application Drawing Standards. Choose one of the options below to submit the required map/drawing.

Additionally, it is recommended that you provide a topographical map showing the general location of the property where the water is proposed to be used and the works constructed in relation to nearby communities, highways, railways and other water sources.

(this additional map will not be necessary if your Drawing to Scale is provided using the Geomark Service or a spatial file such as .KML or .KMZ)

I have already built my map(s) using the GeoMark service

#### GEOMARKS

Do you already have the URL of a GeoMark? If you do please add it here. You can add one or more GeoMark URLs.

Geomark URL	Description
<a href="http://apps.gov.bc.ca/pub/geomark/geomarks/gm-6DF8D194446342F0B171DCE2D8A886E8">http://apps.gov.bc.ca/pub/geomark/geomarks/gm-6DF8D194446342F0B171DCE2D8A886E8</a>	Highway 1 and 216 street interchange locations of instream works

#### ATTACHED DOCUMENTS

Document Type	Description	Filename
Drawing to Scale	Drawing to scale	A3_site plan_20161110_v1_JS...

#### PRIVACY DECLARATION

##### PRIVACY NOTE FOR THE COLLECTION, USE AND DISCLOSURE OF PERSONAL INFORMATION

Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the Freedom of Information and Protection of Privacy Act (the Act).

The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at:

FrontCounter BC Program Director  
FrontCounter BC, Provincial Operation  
441 Columbia Street  
Kamloops, BC V2C 2T3

Check here to indicate that you have read and agree to the privacy declaration stated above.

#### REFERRAL INFORMATION

Some applications may also be passed on to other agencies, ministries or other affected parties for referral or consultation purposes. A referral or notification is necessary when the approval of your application might affect someone else's rights or resources or those of the citizens of BC. An example of someone who could receive your application for referral purposes is a habitat officer who looks after the fish and wildlife in the area of your application. This does not apply to all applications and is done only when required.

Please enter contact information below for the person who would best answer questions about your application that may arise from anyone who received a referral or notification.

**Company / Organization:** BC Ministry of Transportation and Infrastructure  
**Contact Name:** Joanne Letkeman  
**Contact Address:** 310-1500 Woolridge Street  
Coquitlam, BC  
V3K 0B8  
**Contact Phone:** 604-527-2258  
**Contact Email:** joanne.letkeman@gov.bc.ca

I hereby grant permission for the public release of the information provided above. This information will be used to fulfill, if required, the referral and advertising requirements of my application.

**OFFICE**

Office to submit application to:

**PROJECT INFORMATION**

Is this application for an activity or project which requires more than one natural resource authorization from the Province of BC? No

**APPLICANT SIGNATURE**

<b>Applicant Signature</b>	<b>Date</b>
----------------------------	-------------

<i>OFFICE USE ONLY</i>		
<b>Office</b>	<b>File Number</b>	<b>Project Number</b>
	<b>Disposition ID</b>	<b>Client Number</b>