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

Tracking Number: 100439291

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:	Ministry of Transportation and Infrastructure
Doing Business As:	Provincial Government Ministry
Phone:	604-202-3691
Fax:	
Email:	Sandy.Lu@gov.bc.ca
BC Incorporation Number:	
Extra Provincial Inc. No:	
Society Number:	
GST Registration Number:	
Contact Name:	Sandy Lu, PMP
Mailing Address:	310-1500 Woolridge St Coquitlam British Columbia V3K 0B8 Canada

CONSULTANT INFORMATION

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

Name:	ISL Engineering and Land Services Ltd.
Doing Business As:	Consultant
Phone:	604-371-0091
Fax:	
Email:	ldarc@islengineering.com
BC Incorporation Number:	
Extra Provincial Inc. No:	
Society Number:	
GST Registration Number:	
Contact Name:	Larissa Darc
Mailing Address:	201-8506 200 St Langley British Columbia V2Y 0M1 Canada
Letter(s) Attached:	Yes (Ministry Representative Permission Letter - ISL Hwy 7 and 11 .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:	ldarc@islengineering.com
Contact Name:	Larissa Darc, M.Sc., B.I.T

ELIGIBILITY

Please answer the following questions related to your Change Approval/Notification.

Question	Answer	Warning
Is this application to support oil and gas activity that is being authorized by the BC Energy Regulator?	No	

Is your application for a government funded Connectivity Project? (i.e., high-speed internet, cellular, other)	No

Is this application in relation to increasing the supply of housing units within British Columbia? (by choosing yes, you agree to be contacted by a Housing Navigator to help you with your project). **A Housing related project, for the purpose of this application, must be for a specific development and the development must increase the number of housing units on the land/property.**	No

TECHNICAL INFORMATION

GOVERNMENT AND FIRST NATION FEE EXEMPTION REQUEST

Do you belong to, are you applying on behalf of, or are you:

- A provincial government ministry
- The Government of Canada
- A First Nation for water use on reserve land
- A person applying to use water on Treaty Lands
- A Nisga'a citizen
- An entity applying to use water from the Nisga'a Water Reservation?

Yes

Are you an existing exempt client?	No
Fee Exemption Category:	British Columbia Government Ministry
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.	Consultant applying on behalf of Ministry of Transportation and Infrastructure

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 ☐ Dry Hydrant – 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
☐ 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 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 may only be undertaken by the Crown in right of either British Columbia or a Municipality:

☐ Stream Channel - Restoration / Maintenance

For the following two options, you must report the changes to a habitat officer within 72 hours after making the change. You must comply with any Terms and Conditions specified by the habitat officer that relate to Section 44(2) of the Water Sustainability Regulation.

☐ Clearing of an obstruction from a bridge or culvert during a flood emergency
☐ Construction of 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

Has a DMA Approval under the *Dike Maintenance Act* been submitted for this work?	No

Please note that the ultimate decision whether this constitutes a Notification or a Change Approval lies with the Province of British Columbia NOTE: Answer the question below as No. The Dike Maintenance Act (DMA) Approval application is currently transitioning to this form but is not yet been fully implemented. This question will be updated once the transition is complete.

SITES

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

SITE

Location ID:	Outfall CB23

STREAM

Name of the Stream:	Watercourse A
Source Flows Into:	Windebank Creek

PROPOSED WORKS

Detailed Description of Works:	Please see Supplemental Report Section 2.0 for further details. ISL Engineering and Land Services (ISL) was retained by the Ministry of

	Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC. The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of: • Installation of four new stormwater outfalls; • Replacement of four existing stormwater leads; and • Installation of eight willow stake splash pads at the stormwater outfall outlets. The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet. Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6. The project will require the following to be successfully implemented: • Flatbed trucks for hauling materials to the site; • Excavators or crane for offloading pipes; • Dump trucks for importing rip rap and substrate; • Six 200 mm diameter CSP pipes • Two 250 mm diameter CSP pipes • Auger-type anchors • Clean gravel (clear drain rock) • Non-woven geotextile • Hydraulically applied coastal reclamation seed mix; • live willow (Salix spp.) stakes; • Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and, • Spill mitigation and control materials. The project will not include the use of exotic chemicals or blasting.
Footprint of Project:	20 m2

PROPOSED TIMING FOR WORKS

Instream Start Date:	Jun 1, 2024
Instream End Date:	Sep 30, 2024
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:	The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream

	window as it does not require instream works. The project will take place within the nesting bird window for the region (March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s) where works are proposed:	PID 015-023-923 PID 015-023-931
Geographic Coords of Works:	49.1311790, -122.3263740
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:	Outfall CB24

STREAM

Name of the Stream:	Watercourse A
Source Flows Into:	Windebank Creek

PROPOSED WORKS

Detailed Description of Works:	Please see Supplemental Report Section 2.0 for further details. ISL Engineering and Land Services (ISL) was retained by the Ministry of Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC. The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of: • Installation of four new stormwater outfalls; • Replacement of four existing stormwater leads; and • Installation of eight willow stake splash pads at the stormwater outfall outlets. The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet.

Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6.

The project will require the following to be successfully implemented:

- Flatbed trucks for hauling materials to the site;
- Excavators or crane for offloading pipes;
- Dump trucks for importing rip rap and substrate;
- Six 200 mm diameter CSP pipes
- Two 250 mm diameter CSP pipes
- Auger-type anchors
- Clean gravel (clear drain rock)
- Non-woven geotextile
- Hydraulically applied coastal reclamation seed mix;
- live willow (Salix spp.) stakes;
- Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and,
- Spill mitigation and control materials.

The project will not include the use of exotic chemicals or blasting.

Footprint of Project: 20 m2

PROPOSED TIMING FOR WORKS

Instream Start Date: Jun 1, 2024
Instream End Date: Sep 30, 2024
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:

The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream window as it does not require instream works.

The project will take place within the nesting bird window for the region (March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s) where works are proposed: PID 015-023-923
PID 015-023-931
Geographic Coords of Works: 49.1315850, -122.3264510
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:	Outfall CB6

STREAM

Name of the Stream:	Windebank Creek
Source Flows Into:	Fraser River

PROPOSED WORKS

Detailed Description of Works:

Please see Supplemental Report Section 2.0 for further details.

ISL Engineering and Land Services (ISL) was retained by the Ministry of Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC.

The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of:

- Installation of four new stormwater outfalls;
- Replacement of four existing stormwater leads; and
- Installation of eight willow stake splash pads at the stormwater outfall outlets.

The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet.

Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6.

The project will require the following to be successfully implemented:

- Flatbed trucks for hauling materials to the site;
- Excavators or crane for offloading pipes;
- Dump trucks for importing rip rap and substrate;
- Six 200 mm diameter CSP pipes
- Two 250 mm diameter CSP pipes
- Auger-type anchors
- Clean gravel (clear drain rock)
- Non-woven geotextile
- Hydraulically applied coastal reclamation seed mix;
- live willow (Salix spp.) stakes;
- Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and,
- Spill mitigation and control materials.

	The project will not include the use of exotic chemicals or blasting.
Footprint of Project:	20 m2

PROPOSED TIMING FOR WORKS

Instream Start Date:	Jun 1, 2024
Instream End Date:	Sep 30, 2024
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:	The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream window as it does not require instream works. The project will take place within the nesting bird window for the region (March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s) where works are proposed:	PID 015-023-923 PID 015-023-931 Unnamed land parcel (road dedication) immediately west of PID 011-507-616
Geographic Coords of Works:	49.1316780, -122.3254630
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:	Outfall CB701-1

STREAM

Name of the Stream:	Watercourse A
Source Flows Into:	Windebank Creek

PROPOSED WORKS

Detailed Description of Works:	Please see Supplemental Report Section 2.0 for further details. ISL Engineering and Land Services (ISL) was retained by the Ministry of Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC. The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of: • Installation of four new stormwater outfalls; • Replacement of four existing stormwater leads; and • Installation of eight willow stake splash pads at the stormwater outfall outlets. The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet. Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6. The project will require the following to be successfully implemented: • Flatbed trucks for hauling materials to the site; • Excavators or crane for offloading pipes; • Dump trucks for importing rip rap and substrate; • Six 200 mm diameter CSP pipes • Two 250 mm diameter CSP pipes • Auger-type anchors • Clean gravel (clear drain rock) • Non-woven geotextile • Hydraulically applied coastal reclamation seed mix; • live willow (Salix spp.) stakes; • Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and, • Spill mitigation and control materials. The project will not include the use of exotic chemicals or blasting.
Footprint of Project:	35 m2

PROPOSED TIMING FOR WORKS

Instream Start Date:	Jun 1, 2024
Instream End Date:	Sep 30, 2024
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:	The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream window as it does not require instream works. The project will take place within the nesting bird window for the region (March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s) where works are proposed:	PID 015-023-923 PID 015-023-931
Geographic Coords of Works:	49.1314320, -122.3264260
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:	Outfall CB701-2

STREAM

Name of the Stream:	Windebank Creek
Source Flows Into:	Fraser River

PROPOSED WORKS

Detailed Description of Works:	Please see Supplemental Report Section 2.0 for further details. ISL Engineering and Land Services (ISL) was retained by the Ministry of Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC. The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of: • Installation of four new stormwater outfalls; • Replacement of four existing stormwater leads; and • Installation of eight willow stake splash pads at the stormwater outfall outlets.

	The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet. Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6. The project will require the following to be successfully implemented: • Flatbed trucks for hauling materials to the site; • Excavators or crane for offloading pipes; • Dump trucks for importing rip rap and substrate; • Six 200 mm diameter CSP pipes • Two 250 mm diameter CSP pipes • Auger-type anchors • Clean gravel (clear drain rock) • Non-woven geotextile • Hydraulically applied coastal reclamation seed mix; • live willow (Salix spp.) stakes; • Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and, • Spill mitigation and control materials. The project will not include the use of exotic chemicals or blasting.
Footprint of Project:	35 m2

PROPOSED TIMING FOR WORKS

Instream Start Date:	Jun 1, 2024
Instream End Date:	Sep 30, 2024
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:	The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream window as it does not require instream works. The project will take place within the nesting bird window for the region (March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s)	PID 015-023-923

where works are proposed:	PID 015-023-931 Unnamed land parcel (road dedication) immediately west of PID 011-507-616
Geographic Coords of Works:	49.1315070, -122.3255470
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:	Outfall CB701-3

STREAM

Name of the Stream:	Watercourse A
Source Flows Into:	Windebank Creek

PROPOSED WORKS

Detailed Description of Works:	Please see Supplemental Report Section 2.0 for further details. ISL Engineering and Land Services (ISL) was retained by the Ministry of Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC. The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of: • Installation of four new stormwater outfalls; • Replacement of four existing stormwater leads; and • Installation of eight willow stake splash pads at the stormwater outfall outlets. The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet. Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6. The project will require the following to be successfully implemented:

	• Flatbed trucks for hauling materials to the site; • Excavators or crane for offloading pipes; • Dump trucks for importing rip rap and substrate; • Six 200 mm diameter CSP pipes • Two 250 mm diameter CSP pipes • Auger-type anchors • Clean gravel (clear drain rock) • Non-woven geotextile • Hydraulically applied coastal reclamation seed mix; • live willow (Salix spp.) stakes; • Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and, • Spill mitigation and control materials. The project will not include the use of exotic chemicals or blasting.
Footprint of Project:	35 m2

PROPOSED TIMING FOR WORKS

Instream Start Date:	Jun 1, 2024
Instream End Date:	Sep 30, 2024
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:	The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream window as it does not require instream works. The project will take place within the nesting bird window for the region (March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s) where works are proposed:	PID 015-023-923 PID 015-023-931
Geographic Coords of Works:	49.1320620, -122.3265410
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:	Outfall CB701-5

STREAM

Name of the Stream:	Watercourse A
Source Flows Into:	Windebank Creek

PROPOSED WORKS

Detailed Description of Works:

Please see Supplemental Report Section 2.0 for further details.

ISL Engineering and Land Services (ISL) was retained by the Ministry of Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC.

The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of:

- Installation of four new stormwater outfalls;
- Replacement of four existing stormwater leads; and
- Installation of eight willow stake splash pads at the stormwater outfall outlets.

The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet.

Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6.

The project will require the following to be successfully implemented:

- Flatbed trucks for hauling materials to the site;
- Excavators or crane for offloading pipes;
- Dump trucks for importing rip rap and substrate;
- Six 200 mm diameter CSP pipes
- Two 250 mm diameter CSP pipes
- Auger-type anchors
- Clean gravel (clear drain rock)
- Non-woven geotextile
- Hydraulically applied coastal reclamation seed mix;
- live willow (Salix spp.) stakes;
- Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and,
- Spill mitigation and control materials.

The project will not include the use of exotic chemicals or blasting.

Footprint of Project:	20 m2

PROPOSED TIMING FOR WORKS

Instream Start Date:	Jun 1, 2024
Instream End Date:	Sep 30, 2024
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:	The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream window as it does not require instream works. The project will take place within the nesting bird window for the region (March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s) where works are proposed:	PID 015-023-923 PID 015-023-931
Geographic Coords of Works:	49.1324580, -122.3265410
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:	Outfall DCB701-1

STREAM

Name of the Stream:	Windebank Creek
Source Flows Into:	Fraser River

PROPOSED WORKS

Detailed Description of Works:	Please see Supplemental Report Section 2.0 for further details. ISL Engineering and Land Services (ISL) was retained by the Ministry of Transportation and Infrastructure (MoTI) for engineering design, environmental assessment, and environmental impact assessment for upgrades at the Highway 7 and 11 intersection in Mission, BC.

	The intersection upgrades will consist of drainage improvements which will require riparian disturbance in proximity to Watercourse A and Windebank Creek. The drainage improvements will consist of: • Installation of four new stormwater outfalls; • Replacement of four existing stormwater leads; and • Installation of eight willow stake splash pads at the stormwater outfall outlets. The existing stormwater outfalls at the project location are damaged, and do not provide enough road runoff relief. The outfall replacement and new outfalls are required to prevent water pooling on the highway to improve road safety. Engineering designs for the project are provided in Supplemental Report Appendix A. The outfall works will consist of installation of new 200 mm or 250 mm diameter outfall leads (pipes) and willow stake splash pads at the outlet. Anticipated construction activities for the stormwater outfall construction and maintenance are outlined in Supplemental Report Table 6. The project will require the following to be successfully implemented: • Flatbed trucks for hauling materials to the site; • Excavators or crane for offloading pipes; • Dump trucks for importing rip rap and substrate; • Six 200 mm diameter CSP pipes • Two 250 mm diameter CSP pipes • Auger-type anchors • Clean gravel (clear drain rock) • Non-woven geotextile • Hydraulically applied coastal reclamation seed mix; • live willow (Salix spp.) stakes; • Erosion and sediment control materials; including but not limited to, silt fence, erosion control blanket, polyethylene sheeting; and, • Spill mitigation and control materials. The project will not include the use of exotic chemicals or blasting.
Footprint of Project:	35 m2

PROPOSED TIMING FOR WORKS

Instream Start Date:	Jun 1, 2024
Instream End Date:	Sep 30, 2024
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:	The anticipated construction window for the project is June 1 to September 30, 2024. This construction window partially falls outside the reduced risk instream window for the region (August 1 – September 15), however the project does not pose a higher risk being constructed outside the reduced risk instream window as it does not require instream works. The project will take place within the nesting bird window for the region

(March 12-August 17) and will require vegetation removal. To mitigate impacts to nesting birds, nesting bird surveys will be undertaken prior to vegetation clearing.

LOCATION OF WORKS

Provide a legal description of the land(s) where works are proposed:	PID 015-023-923 PID 015-023-931 Unnamed land parcel (road dedication) immediately west of PID 011-507-616
Geographic Coords of Works:	49.1321020, -122.3256220
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.

LOCATION INFORMATION

LAND DETAILS

DRAWINGS

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 map(s) saved to my computer and wish to provide these with my application

MAP FILES

Do you have a PDF or image file of a drawn map? You can upload it here.

Description	Filename
Drawing to scale	230304_Hwy 7 11_DTS_33580...

ATTACHED DOCUMENTS

Document Type	Description	Filename
Drawing to Scale	Drawing to Scale	230304_Hwy 7 11_DTS_33580...

Engineering Drawings	Engineering Design Drawings	SK-1107-700_REV04 (240222)_...
Engineering Drawings	Planting Plan	SK-1107-700_REV04 (240222)_...
Other	Landowner Consent Letter	240222_LTR_Letter of Appoin...
Other	Supplemental Report	240304_Supplemental_Report_...

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)(a)(i) 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:	Ministry of Transportation and Infrastructure
Contact Name:	Sandy Lu, PMP
Contact Address:	310-1500 Woolridge St Coquitlam British Columbia V3K 0B8 Canada
Contact Phone:	604-202-3691
Contact Email:	Sandy.Lu@gov.bc.ca

☑ I hereby consent to the disclosure of the information contained in this application to other agencies, government ministries or other affected parties for referral or First Nation consultation purposes.

IMPORTANT NOTICES

Please review the "Important Notices" below and then check the declaration at the bottom confirming that everything in this application is complete and accurate.

- I understand that the submission of this application does not provide authority under the Water Sustainability Act to construct works in and about a stream. I also understand that my application must be reviewed before a decision is made as to whether an approval may be granted and that, as part of that review, additional information may be requested of me.
- The application may be subject to further requirements under the federal Fisheries Act. Please refer to Fisheries and Oceans Canada Projects Near Water webpage (http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html) for information on how to ensure your project complies with the Fisheries Act.

DECLARATION

☑ I declare that the information contained on this form is complete and accurate.

OFFICE

Office to submit application to:	Surrey

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

Applicant Signature	**Date**

OFFICE USE ONLY		
Office Surrey	**File Number**	**Project Number**
	Disposition ID	**Client Number**