



Jean Marie River Bridge Replacement Project

Engagement Log

Steve Kasstan, PhD (Primary Author)

Joe Dragon, PhD

Charles Shewen, B.Sc.

Olivia DeBrabandere, M.A.

April 8 2024

Government of the Northwest Territories Department of Infrastructure



Jean Marie River Bridge Replacement Project

Project No: CE857700
Document Title: Engagement Log
Document No.: FES0203231357CGY
Revision: 2
Date: April 8, 2024
Client Name: Government of the Northwest Territories Department of Infrastructure
Authors: Steven Kasstan, PhD., Joe Dragon PhD., Charles Shewen, Olivia DeBrabandere, M.A.

Jacobs Consultancy Canada Inc.

First Tower, 2700

411 – 1st Street SE

Calgary, Alberta T2G 4Y5

Canada

T +1.403.407.8700

F +1.503.736.2003

www.jacobs.com

Contents

Sections

1. Affected Parties of the Jean Marie River Bridge Replacement Project
2. Engagement Log of the Jean Marie River Bridge Replacement Project

Tables

Table 1-1: Affected Parties for the Jean Marie River Bridge Replacement Project.....	4
Table 2-1. Engagement Log of the Jean Marie River Bridge Replacement Project.....	2

Appendices

A	Jean Marie River Bridge Replacement Notification Letter
B	Have You Say – Government of Northwest Territories Website for the Jean Marie River Replacement Project
C	Jean Marie River Replacement Project Backgrounder
D	Jean Marie River and Redknife River Bridges Community Information Sharing Sessions PowerPoint Presentation
E	Community Engagement Session Notice
F	Water License Application Pre-Submission Engagement: Jean Marie River Bridge, NWT

Acronyms and Abbreviations

Department	Department of Infrastructure
GNWT	Government of the Northwest Territories
ha	hectares
INF	Department of Infrastructure
km	kilometre(s)
KP	Kilometre Post
m	metre(s)
MVLWB	Mackenzie Valley Land and Water Board
N/A	not applicable

NWT	Northwest Territories
The Plan	Engagement Plan for the Jean Marie River Bridge Replacement Project
the Project	Jean Marie River Bridge Replacement Project
UTM	Universal Transverse Mercator

1. Affected Parties of the Jean Marie River Bridge Replacement Project

The Affected Parties for the Jean Marie River Bridge Replacement Project are outlined in Table 1-1.

Table 1-1: Affected Parties for the Jean Marie River Bridge Replacement Project

Affected Parties	Name and Position	Email	Phone and Fax Numbers
T'heh'édélj First Nation	Senior Administrative Officer Tom Matus	sao@jmrfrn.com	Phone: 867-809-2000 Fax: 867-809-2002
Łíídlı́ Kúę First Nation	Chief Kele Antoine	cheif@liidiikue.com	Phone: 867-695-3131 Fax: 867-695-2665
Nahanni Butte Dene Band	Community Officer: Soham Srimani - Management Committee	manager@nahadehe.ca	Phone: 867-602-2900 Fax: 867-602-2910
Dehcho First Nations	Grand Chief/ Ejtth'ahti Ndehé Herb Norwegian	herb_norwegian@dehcho.org	Phone: 867-695-2355 Fax: 867-695-2038
Fort Simpson Metis Local 52	President Daniel Peterson	Metisnation53@northwestel.net	Phone: 867-695-2431 Fax: 867-695-2040
Village of Fort Simpson	Senior Administrative Officer Kevin Corrigan	kcorrigan@fortsimpson.com	Phone: 867-695-2253 Fax: 867-695-2005
Mackenzie Valley Land and Water Board	Jen Patten, Regulatory Coordinator	jpotten@mvlwb.com	Phone: 867-766-7468 Fax: 867-873-6610
Government of the Northwest Territories Department of Land and Water	Regional Land and Water Superintendent - Dehcho Laurie Nadia	Laurie_Nadia@gov.nt.ca	Phone: 867-695-2626 Cell: 867-695-2381

2. Engagement Log of the Jean Marie River Bridge Replacement Project

The current log of engagement for the Jean Marie River Bridge Replacement Project is included in Table 2-1.

Table 2-1. Engagement Log of the Jean Marie River Bridge Replacement Project

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 13, 2023	Łíídlı́ Kúę́ First Nation <ul style="list-style-type: none">Executive Director / Land and Resources Dieter Cazon GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Łíídlı́ Kúę́ First Nation	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Fort Simpson Métis Nation Local 52 <ul style="list-style-type: none">President Daniel Peterson GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to the Fort Simpson Métis Nation Local 52	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Dehcho First Nation <ul style="list-style-type: none">Executive Director Alison de PelhamResources Management Coordinator Ramona Pearson GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to the Dehcho First Nations	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Northwest Territories Métis Nation <ul style="list-style-type: none">Director Garry Bailey GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to the Northwest Territories Métis Nation	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Kakisa <ul style="list-style-type: none">Council Manager Ruby Simba GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to the Kakisa	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raised by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 13, 2023	Samba'a Ke First Nation <ul style="list-style-type: none">Band Manager Ruby Jumbo GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to the Samba'a Ke First Nation	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Wrigley <ul style="list-style-type: none">Band manager Kyle Clillie GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Wrigley	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Acho Dene Koe First Nation <ul style="list-style-type: none">Advisor/Operations Boyd Clark GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Acho Dene Koe First Nation	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Enterprise <ul style="list-style-type: none">Senior Administrative Officer Blair Porter GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Enterprise	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Fort Resolution <ul style="list-style-type: none">Senior Administrative Officer Blair Porter GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Fort Resolution	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Deh Gah Got'ie First Nation <ul style="list-style-type: none">Executive Director Greg Nyuli GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Deh Gah Got'ie First Nation	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raised by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 13, 2023	Fort Providence Métis Council <ul style="list-style-type: none">Executive Director Pearl Leishman GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Fort Providence Métis Council	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Fort Smith <ul style="list-style-type: none">Senior Administrative Officer C. White GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Fort Smith	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Deninu K'ue First Nation <ul style="list-style-type: none">Senior Administrative Officer Carol Ann Chaplin GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Deninu K'ue First Nation	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Akaiitcho Territory Government <ul style="list-style-type: none">Executive Director Annie Boucher GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Akaiitcho Territory Government	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Hay River <ul style="list-style-type: none">Senior Administrative Officer Glenn Smith GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Hay River	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Kátł'odeeche GNWT INF <ul style="list-style-type: none">Chief Executive Officer Alex Gresl GNWT INF <ul style="list-style-type: none">Daniel Drimes	Notification letter to Kátł'odeeche	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 13, 2023	Fort Liard <ul style="list-style-type: none">• Senior Administrative Officer John McKee GNWT INF <ul style="list-style-type: none">• Daniel Drimes	Notification letter to Fort Liard	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Fort Providence <ul style="list-style-type: none">• Senior Administrative Officer Susan Christie GNWT INF <ul style="list-style-type: none">• Daniel Drimes	Notification letter to Fort Providence	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Nahanni Butte Dene Band GNWT INF <ul style="list-style-type: none">• Soham Srimani GNWT INF <ul style="list-style-type: none">• Daniel Drimes	Notification letter to the Nahanni Butte Dene Band	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)
February 13, 2023	Ttheke'ehdélj First Nation Senior Administrative Officer <ul style="list-style-type: none">• Tom Matus GNWT INF <ul style="list-style-type: none">• Daniel Drimes	Notification letter to the Ttheke'ehdélj First Nation	None	None	None	Jean Marie River Bridge Replacement Notification Letter (Appendix A)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 13, 2023	Ttheke'ehdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Response to Notification letter to the Ttheke'ehdélj First Nation	• Confirmed that Tom Matus was the current Senior Administrative Officer. • Pleased that the Jean Marie River Bridge Project was progressing.	None	None	None	Yes (email)
February 17, 2023	Fort Simpson Senior Administrative Officer • Kevin Corrigan GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Fort Simpson on March 29 th , 2023	None	None	None	Yes (email summary)
February 17, 2023	Ttheke'ehdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Jean Marie River on March 28 th , 2023	None	None	None	Yes (email summary)
February 13, 2023	Ttheke'ehdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Response to Notification letter to the Ttheke'ehdélj First Nation	• Confirmed that Tom Matus was the current Senior Administrative Officer. • Pleased that the Jean Marie River Bridge Project was progressing.	None	None	None	Yes (email)
February 17, 2023	Fort Simpson Senior Administrative Officer • Kevin Corrigan GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Fort Simpson on March 29 th , 2023	None	None	None	Yes (email summary)
February 17, 2023	Ttheke'ehdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Jean Marie River on March 28 th , 2023	None	None	None	Yes (email summary)
February 20, 2023	Ttheke'ehdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Jean Marie River on March 28 th , 2023	None	None	None	Yes (email summary)

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 21, 2023	TtheK'éhdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Jean Marie River on March 28th, 2023	None	None	None	Yes (email summary)
February 24, 2023	TtheK'éhdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Jean Marie River on March 28th, 2023	None	None	None	Yes (email summary)
February 27, 2023	TtheK'éhdélj First Nation Senior Administrative Officer • Tom Matus GNWT INF • Daniel Drimes	Phone call to confirm community information session at Fort Simpson	• Phone call to confirm community information session at Jean Marie River on March 28th, 2023	None	None	None	Yes (email summary)

Date	Attendees	Engagement Type	Issue(s) raised by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
March 28, 2023	<p>Ttheke'ehdelj First Nation</p> <ul style="list-style-type: none">• Chief Nolene Hardisty <p>Ttheke'ehdelj First Nation Senior Administrative Officer</p> <ul style="list-style-type: none">• Tom Matus <p>Ttheke'ehdelj First Nation members</p> <ul style="list-style-type: none">• Rufus Sanguéz• Marilyn Hardisty (elder)• Richard Sanguéz• Angus Anguez (elder)• Gladys Norwegian (elder, former Ttheke'ehdelj First Nation Chief and former Grand Chief of the Dehcho First Nation)• Howard Gargan• Arial Sanguéz• Zaida Sanguéz• Carla Norwegian <p>Check Point Bed and Breakfast:</p> <ul style="list-style-type: none">• Lynn McKay• Wayne McKay <p>GNWT INF</p> <ul style="list-style-type: none">• Daniel Drimes• Jebina Shrestha• Kelly Joy <p>Jacobs (Jean Marie River Bridge Replacement Project)</p> <ul style="list-style-type: none">• Azita Azarmejad <p>Dragonworks(Jean Marie River Bridge Replacement Project)</p> <ul style="list-style-type: none">• Joe Dragon <p>Stantec (Redknife River culvert replacement)</p> <ul style="list-style-type: none">• David MacLaggan• Scott Wilson	Community information session at Ttheke'ehdelj First Nation at Jean Marie River.	<p>At the community information session on March 28th, 2023 at Jean Marie River, members of Ttheke'ehdelj First Nation asked about:</p> <ul style="list-style-type: none">• construction schedule.• safety of the current bridge.• how high was the Jean Marie River in the past and adaptation to climate change.• identified concerns on wildlife nests (two raven nests) and environmental monitoring.• Ttheke'ehdelj First Nation members asked about the handing of old bridge elements, including cement foundations and steel girders.• Ttheke'ehdelj First Nation members expressed concerns about disturbances to the river bed.• Ttheke'ehdelj First Nation members asked about the presence of permafrost.• Ttheke'ehdelj First Nation and Check Point Bed and Breakfast expressed concerns about diminished water quality and its potential impact on the water supply for the nearby Bed and Breakfast.• Check Point Bed and Breakfast insisted on maintaining access to the boat launch.• Ttheke'ehdelj First Nation and Check Point Bed and Breakfast asked about the lifespan of the bridge.	<p>Attendees recommended:</p> <ul style="list-style-type: none">• Maintaining access to the boat launch on the east side of the bridge.• Placing the temporary bridge west of the current bridge.• Avoiding impacts to the Jean Marie River and using the single span bridge option.• Water quality monitoring.• Ttheke'ehdelj First Nation environmental monitor.• A waste management program for old bridge elements.	<p>Project responses are as follows:</p> <ul style="list-style-type: none">• Jacobs confirmed the construction schedule.• GNWT INF confirmed the current bridge is safe.• Jacobs confirmed that Project design includes improved access to the boat launch.• A hydrogeological assessment of the river was conducted September 27 to 29, 2023 to confirm flood history including 1 in 100 year flood level of the river and adaptation to climate change.• Jacobs is pursuing a single span option that limits impacts to the Jean Marie River.• Ttheke'ehdelj First Nation environmental monitor will be determined by GNWT• Jacobs confirmed that project involves water quality monitoring and that The contractor is required to monitor the turbidity of water as affected by construction activities.• Jacobs confirmed that based on geotechnical work on March 17 to March 19 2023, no permafrost is present at the site• Identification and management of bird nests prior to construction will be the responsibility of GNWT. One year ahead of construction, after breeding season, nets will be installed to prevent any further nesting.• A waste handing program will be designed in partnership with the construction contractor.• Jacobs confirmed the bridges are designed with a 75 year lifespan.	<p>Have your Say Website (Appendix B)</p> <p>Backgrounder (Appendix C)</p> <p>PowerPoint Presentation (Appendix D)</p> <p>Community Information Sessions Notice (Appendix E)</p>	Yes

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
March 29, 2023	<p>Łíídlıı Kúę First Nation</p> <ul style="list-style-type: none">• Chief Kele Antoine <p>Nogha Enterprise Ltd.</p> <ul style="list-style-type: none">• Scott Gordon (Chief Operating Officer) <p>GNWT INF</p> <ul style="list-style-type: none">• Daniel Drimes• Jebina Shrestha• Kelly Joy <p>Jacobs (Jean Marie River Bridge Replacement Project)</p> <ul style="list-style-type: none">• Azita Azarnejad <p>Dragonworks (Jean Marie River Bridge Replacement Project)</p> <ul style="list-style-type: none">• Joe Dragon <p>Stantec (Redknife River culvert replacement)</p> <ul style="list-style-type: none">• David MacLaggan• Scott Wilson	Community information session at Fort Simpson	<p>At the community information session on March 29th, 2023 - Łíídlıı Kúę First Nation Chief Kele Antoine and Scott Gordon (Chief Operating Officer, Nogha Enterprise Ltd) asked about:</p> <ul style="list-style-type: none">• The construction schedule.• Indigenous business procurement.• Wanted further clarification on project engagement processes.• Weight-rating of the temporary bridge.• Preferred a single-span option to limit in-stream disturbances.• Expressed that the old highway camp is their preferred laydown area.	<p>Attendees recommended:</p> <ul style="list-style-type: none">• Single-span option.• Preferred the old highway camp as the laydown area.• Temporary bridge be able to accommodate wide loads during construction• Keep as much financial benefits including contracts in the region as possible. Building breadth and depth of Łíídlıı Kúę First Nation companies is important as this project will provide a lasting impact and provide for the children of Łíídlıı Kúę First Nation.	<p>Project responses are as follows.</p> <ul style="list-style-type: none">• The Project is pursuing a single span option.• Laydown areas remain to be determined (to be selected In partnership with the construction contractor). The old highway camp remains an option.• Temporary bridge is designed to support access to Highway 1 and Highway 7• Contractor bid process to include weighting for Indigenous involvement	<p>Have your Say Website (Appendix B)</p> <p>Backgrounder (Appendix C)</p> <p>PowerPoint Presentation (Appendix D)</p> <p>Community Information Sessions Notice (Appendix E)</p>	Yes
December 15, 2023	<p>Fort Simpson Senior Administrative Officer</p> <ul style="list-style-type: none">• Kevin Corrigan <p>GNWT INF</p> <ul style="list-style-type: none">• Alexis Campbell• Alina Goldenberg <p>Jacobs</p> <ul style="list-style-type: none">• Steve Kasstan• Azita Azarnejad	Pre-submission engagement letter to Fort Simpson about a water licence application to the Mackenzie Valley Land and Water Board (MVLWB) for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
December 15, 2023	<p>Tthek'éhdélj First Nation</p> <ul style="list-style-type: none">• Chief Melanie Norwegian Menacho <p>Tthek'éhdélj First Nation Senior Administrative Officer</p> <ul style="list-style-type: none">• Tom Matus <p>GNWT INF</p> <ul style="list-style-type: none">• Alexis Campbell• Alina Goldenberg <p>Jacobs</p> <ul style="list-style-type: none">• Steve Kasstan• Azita Azarnejad	Pre-submission engagement letter to Tthets'éhk'édélj First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
December 15, 2023	<p>Nahanni Butte Dene Band – Band Manager</p> <ul style="list-style-type: none">• Soham Srimani <p>Nahanni Butte Dene Band Chief</p> <ul style="list-style-type: none">• Steve Vital <p>GNWT INF</p> <ul style="list-style-type: none">• Alexis Campbell• Alina Goldenberg <p>Jacobs</p> <ul style="list-style-type: none">• Steve Kasstan• Azita Azarnejad	Pre-submission engagement letter to Nahanni Butte Dene Band about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
December 15, 2023	<p>Wrigley</p> <ul style="list-style-type: none">• Band manager Kyle Clillie <p>GNWT INF</p> <ul style="list-style-type: none">• Alexis Campbell• Alina Goldenberg <p>Jacobs</p> <ul style="list-style-type: none">• Steve Kasstan• Azita Azarnejad	Pre-submission engagement letter to Wrigley about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raised by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
December 18, 2023	Samba'a Ke First Nation <ul style="list-style-type: none">Band Manager Ruby Jumbo GNWT INF <ul style="list-style-type: none">Alexis CampbellAlina Goldenberg Jacobs <ul style="list-style-type: none">Steve KasstanAzita Azarnejad	Pre-submission engagement letter to Samba'a Ke First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
December 18, 2023	Acho Dene Koe First Nation Advisor/Operations <ul style="list-style-type: none">Boyd Clark GNWT INF <ul style="list-style-type: none">Alexis CampbellAlina Goldenberg Jacobs <ul style="list-style-type: none">Steve KasstanAzita Azarnejad	Pre-submission engagement letter to Acho Dene Koe First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
December 18, 2023	Fort Liard <ul style="list-style-type: none">Senior Administrative Officer John McKee GNWT INF <ul style="list-style-type: none">Alexis CampbellAlina Goldenberg Jacobs <ul style="list-style-type: none">Steve KasstanAzita Azarnejad	Pre-submission engagement letter to Fort Liard about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raised by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
December 18, 2023	Deh Cho First Nations –Executive Director • Alison de Pelham Deh Cho First Nations - Reception GNWT INF • Alexis Campbell • Alina Goldenberg Jacobs • Steve Kasstan • Azita Azarnejad	Pre-submission engagement letter to Deh Cho First Nations about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
December 18, 2023	Pehdzéh Kí First Nation Band Manager GNWT INF • Alexis Campbell • Alina Goldenberg Jacobs • Steve Kasstan • Azita Azarnejad	Pre-submission engagement letter to Pehdzéh Kí First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
December 18, 2023	Métis Association Local 52 – Fort Simpson GNWT INF • Alexis Campbell • Alina Goldenberg Jacobs • Steve Kasstan • Azita Azarnejad	Pre-submission engagement letter to Métis Association Local 52 – Fort Simpson about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raised by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
December 18, 2023	Łíídlıı Kúę First Nation • Executive Director / Land and Resources Dieter Cazon GNWT INF • Alexis Campbell • Alina Goldenberg Jacobs • Steve Kasstan • Azita Azarnejad	Pre-submission engagement letter to Łíídlıı Kúę First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	Fort Simpson Senior Administrative Officer • Kevin Corrigan GNWT INF • Alexis Campbell • Alina Goldenberg Jacobs • Steve Kasstan • Azita Azarnejad	Follow-up on pre-submission engagement letter to Fort Simpson about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Follow-up on pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	Tt'heh'éhdéł First Nation • Chief Melanie Norwegian Menacho Tt'heh'éhdéł First Nation Senior Administrative Officer • Tom Matus GNWT INF • Alexis Campbell • Alina Goldenberg Jacobs • Steve Kasstan • Azita Azarnejad	Follow-up on pre-submission engagement letter to Tt'heh'éhdéł First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 6, 2024	Nahanni Butte Dene Band – Band Manager <ul style="list-style-type: none">• Soham Srimani Nahanni Butte Dene Band Chief <ul style="list-style-type: none">· Steve Vital GNWT INF <ul style="list-style-type: none">• Alexis Campbell· Alina Goldenberg Jacobs <ul style="list-style-type: none">· Steve Kasstan· Azita Azarnejad	Follow-up on pre-submission engagement letter to Nahanni Butte Dene Band about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	Wrigley <ul style="list-style-type: none">• Band manager Kyle Clillie GNWT INF <ul style="list-style-type: none">• Alexis Campbell· Alina Goldenberg Jacobs <ul style="list-style-type: none">· Steve Kasstan· Azita Azarnejad	Follow-up on pre-submission engagement letter to Wrigley about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	Samba'a Ke First Nation <ul style="list-style-type: none">• Band Manager Ruby Jumbo GNWT INF <ul style="list-style-type: none">• Alexis Campbell· Alina Goldenberg Jacobs <ul style="list-style-type: none">· Steve Kasstan· Azita Azarnejad	Follow-up on pre-submission engagement letter to Samba'a Ke First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 6, 2024	Acho Dene Koe First Nation Advisor/Operations · Boyd Clark GNWT INF · Alexis Campbell · Alina Goldenberg Jacobs · Steve Kasstan Azita Azarnejad	Follow-up on pre-submission engagement letter to Acho Dene Koe First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	Fort Liard · Senior Administrative Officer John McKee GNWT INF · Alexis Campbell · Alina Goldenberg Jacobs · Steve Kasstan Azita Azarnejad	Follow-up on pre-submission engagement letter to Fort Liard about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	Deh Cho First Nations –Executive Director · Alison de Pelham Deh Cho First Nations - Reception GNWT INF · Alexis Campbell · Alina Goldenberg Jacobs · Steve Kasstan · Azita Azarnejad	Follow-up on pre-submission engagement letter to Deh Cho First Nations about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)

Date	Attendees	Engagement Type	Issue(s) raise d by Affected Party	Recommendation from Affected Party	Proponent Response to issue; including if issue resulted	Information materials provided to Affected Party	Written Correspondence and Notes
February 6, 2024	<p>Pehdzéh Kǐ First Nation Band Manager</p> <p>GNWT INF</p> <ul style="list-style-type: none">· Alexis Campbell· Alina Goldenberg Jacobs· Steve Kasstan· Azita Azarnejad	Follow-up on pre-submission engagement letter to Pehdzéh Kǐ First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	<p>Métis Association Local 52 – Fort Simpson</p> <p>GNWT INF</p> <ul style="list-style-type: none">· Alexis Campbell· Alina Goldenberg Jacobs· Steve Kasstan· Azita Azarnejad	Follow-up on pre-submission engagement letter to Métis Association Local 52 – Fort Simpson about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
February 6, 2024	<p>Łı́ı́dlı́ı́ Kúęǵ First Nation</p> <ul style="list-style-type: none">· Executive Director / Land and Resources Dieter Cazon <p>GNWT INF</p> <ul style="list-style-type: none">· Alexis Campbell· Alina Goldenberg Jacobs· Steve Kasstan· Azita Azarnejad	Follow-up on pre-submission engagement letter to Łı́ı́dlı́ı́ Kúęǵ First Nation about a water licence application to the MVLWB for a new water licence to replace the bridge at Jean Marie River	None	None	None	Jean Marie River Bridge Replacement Pre-submission engagement letter (Appendix F)	Yes (email)
Notes: GNWT INF Government of the Northwest Territories Department of Infrastructure							

▪ **Appendix A**
Jean Marie River Bridge Replacement Notification
Letter



Via Email

DISTRIBUTION LIST:

Re: Jean Marie River Bridge Replacement Project – Notice of Awarding of Contract for Engineering Services

The Government of the Northwest Territories, Department of Infrastructure (GNWT-INF) would like to advise you that the contract for engineering services to replace the Jean Marie River Bridge has been finalized. This bridge was built in 1969 and is located on Mackenzie Highway # 1- km 411.2, approximately 65 km south of Fort Simpson.

The contract for engineering services was awarded to Jacobs in a publicly advertised GNWT process. Jacobs is an international technical professional services firm that provides engineering, technical, professional and construction services, as well as scientific and specialty consulting for a broad range of clients globally, including companies, organizations, and government agencies.

The replacement of the bridge is required for the continued health and safety of the public users of the highway and surrounding environment. INF is pleased to have the Jacobs team address this critical piece of infrastructure in the Dehcho Region.

The next phase in this process is for Jacobs and their contractors to conduct a geotechnical inspection in late February to early March 2023. As well, we are hoping to schedule community engagement sessions in Jean Marie River and Fort Simpson in late March to ensure the communities are fully aware of the project, to present proposed timelines, and to collect important feedback on the project from the affected communities.

As a part of this process we will be applying for a Type B Water Licence and seeking an amendment to the highway land use permit to complete this work. Formal engagement letters seeking approval for both the water license and land use permit will be sent at a later date in separate communications as the project progresses.

Should you have any questions or comments on please contact Alexis Campbell by email at Alexis.Campbell@gov.nt.ca or by phone at 867-767-9083 ext. 31055.



Government of Northwest Territories Gouvernement des Territoires du Nord-Ouest

Sincerely,

Alexis Campbell
Environmental Analyst
Design and Technical Services
Department of Infrastructure

▪ Appendix B
Have Your Say – Government of Northwest
Territories Website for the Jean Marie River
Replacement Project



- All Public Engagements
- About
- Sign in

Home / Jean Marie River bridge replacement

Jean Marie River bridge replacement



[Cliquez ici pour consulter la présente page en français.](#)

Overview

The Government of the Northwest Territories (GNWT) invited residents to provide feedback on the replacement of the Jean Marie River bridge, located on Highway 1 at approximately 65 km south of Fort Simpson. The bridge is approaching the end of its cycle life; replacement is required to ensure the safety of road users.



Have Your Say

The GNWT invited residents to attend engagement sessions to provide feedback on design options, proposed timelines and regulatory requirements.

Two engagement sessions took place:

- Jean Marie River, NT March 28, 2023 at 12:00 p.m. - Community gym
- Fort Simpson, NT March 29, 2023 at 10:30 a.m. - Łı́dłı́ Kúę Council Chambers

During the engagement sessions, the GNWT will discussed both this project and the [removal of existing culverts and new bridge construction at the Redknife River crossing.](#)

Submit written feedback by email

Written feedback were accepted until April 30, 2023 by emailing INF_Communications@gov.nt.ca.

Background

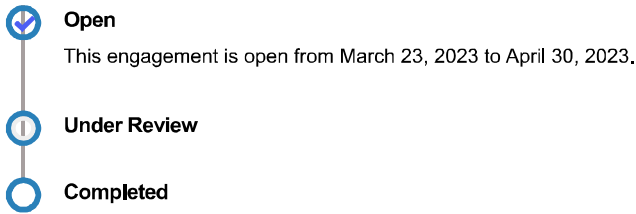
For more information on the project, please refer to this [backgrounder](#).

Next Steps

Feedback collected at the sessions and by email will inform design choices and upcoming applications to the Mackenzie Valley Land and Water Board and Fisheries and Oceans Canada.

Further public engagement will take place before applications are submitted.

Status



Related Links

 [Backgrounder](#)

- [Terms of Use](#)
- [Privacy Policy](#)
- [Moderation Policy](#)
- [Accessibility](#)
- [Technical Support](#)
- [Cookie Policy](#)
- [Site Map](#)

■ **Appendix C**

Jean Marie River Replacement Project Backgrounder



Backgrounder

Replacement of the Jean Marie River bridge



Project overview

- The Jean Marie River bridge was built in 1969.
- It is located on Highway 1 at kilometre 411.2, approximately 65 km south of Fort Simpson.
- The bridge is approaching the end of its life cycle; replacement is required to ensure the safety of road users.
- The existing bridge has been reduced to single-lane traffic with reduced speed posted to preserve the bridge.
- Project costs will be determined after the design is complete.
- The contract for engineering services to replace the Jean Marie River bridge has been awarded to Jacobs.
- The bridge replacement is expected to be completed by fall 2025.

New bridge design

- Same location as the existing bridge.
- Slightly longer than the existing bridge to provide 100-year flood water opening.
- Standard Highway 1 clear roadway width of 10 m (32' -10"), which is wider than the existing bridge.
- New bridge deck will be built higher to accommodate 100-year flood water level.

New bridge span options

- Option 1: Single span steel girders with concrete deck
- Option 2: 3-span concrete girders side-by-side
- Option 3: 3-span steel girders with concrete deck

Regulatory requirements

- Application to a Type B Water Licence from the Mackenzie Valley Land and Water Board, regulated under the *Waters Act*.
 - Possible amendment to current Land Use Permit from the Mackenzie Valley Land and Water Board
 - Project review from the Department of Fisheries and Oceans Canada, regulated under the *Fisheries Act* and the *Species at Risk Act*.
-

▪ **Appendix D**
Jean Marie River and Redknife River Bridges
Community Information Sharing Sessions
PowerPoint Presentation

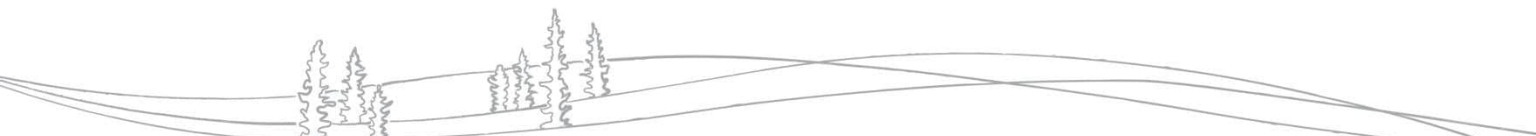


Jean Marie River and Redknife River Bridges

Community Information Sharing Sessions

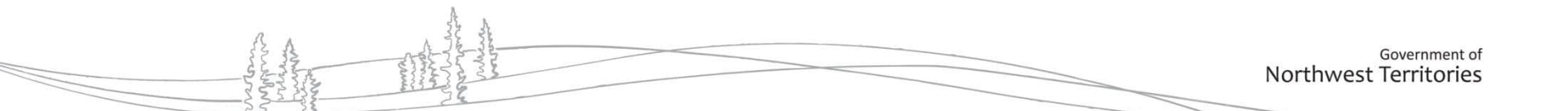
Jean Marie River March 28, 2023 12:00 – 14:30

Fort Simpson March 14, 2023 10:30 – 13:00



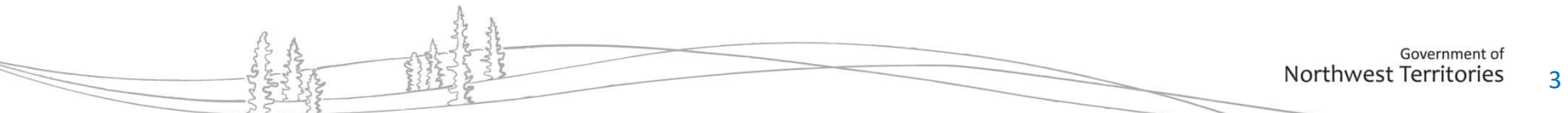


Acknowledgement



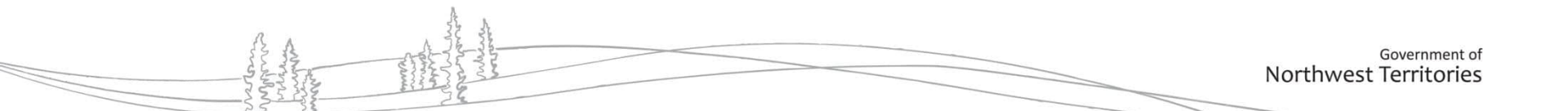
Acknowledgement

We wish to acknowledge that the lands on which this project takes place are treaty lands and the home to many Indigenous Peoples, including the Dehcho First Nations and the Métis. We are grateful to be on this land.





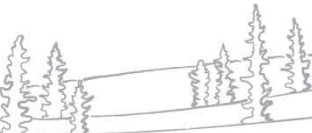
Introductions



Why community engagement?

So that the affected parties can:

- Be made aware of project and regulatory permitting applications,
- Inform themselves about the project, and what GNWT-INF is proposing, and
- Provide input into the project, in advance of the applications submitted to the MVLWB and DFO.



Presentation Outline

- Project timelines (Jacobs, Stantec, and INF)
- Bridge options (Jacobs, Stantec, and INF)
- Regulatory Requirements (INF-Environmental Affairs)



Jean Marie River Bridge Background

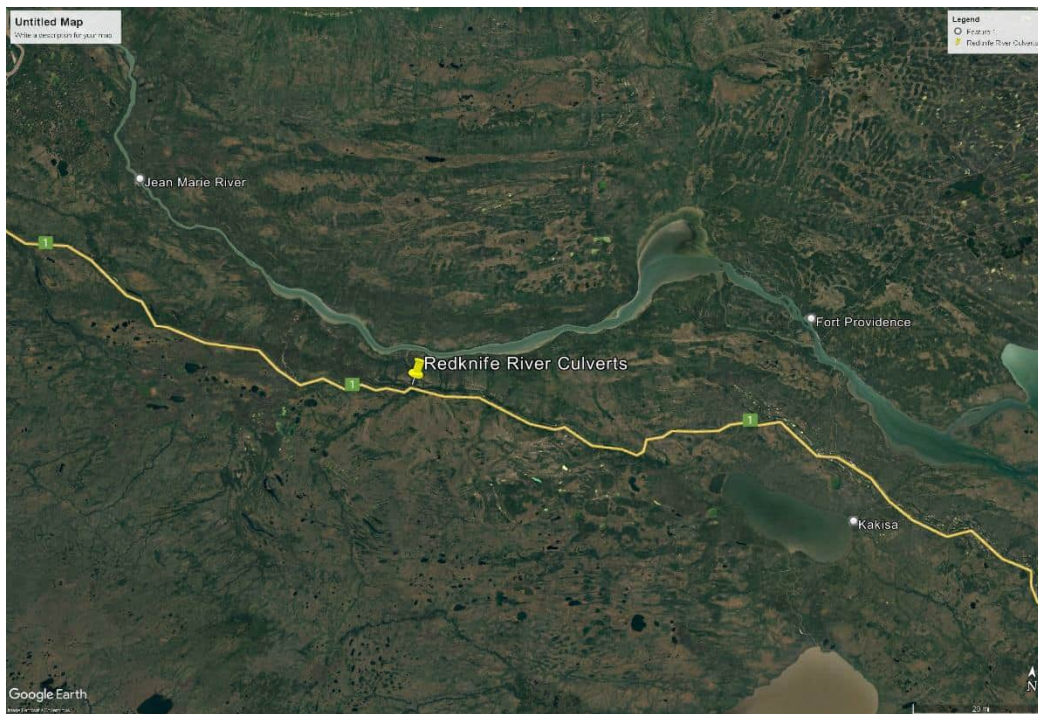
- The existing bridge is located on Highway 1 at km 411.2, approximately 65 km south of Fort Simpson
- The bridge was built in 1969 (54 years ago)
- The bridge is approaching the end of its design life; replacement is required



Photo credit: GNWT

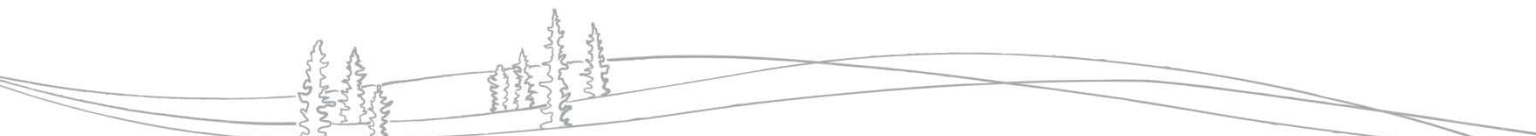
Redknife River Crossing Background

- Highway 1 crosses the Redknife River 181 km southeast of Fort Simpson, and 30 km southeast of Sambaa Deh Territorial Park
- Currently, there are three culverts installed underneath Highway 1 at km 295.2. Built in 1971, they are beyond their design life
- The GNWT partnered with DeBeers to build a bridge at the Redknife River crossing which will restore fish passage





Project Designs



Jean Marie River Bridge

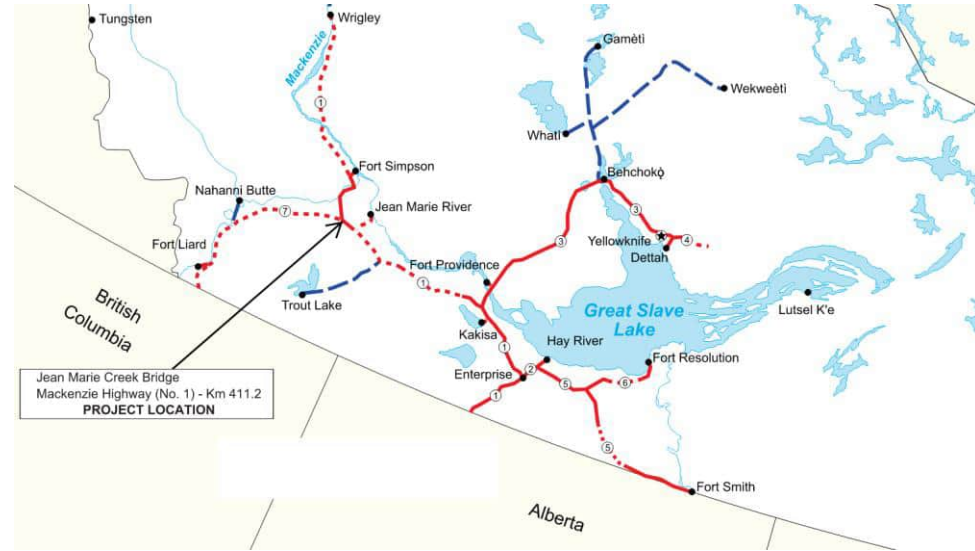
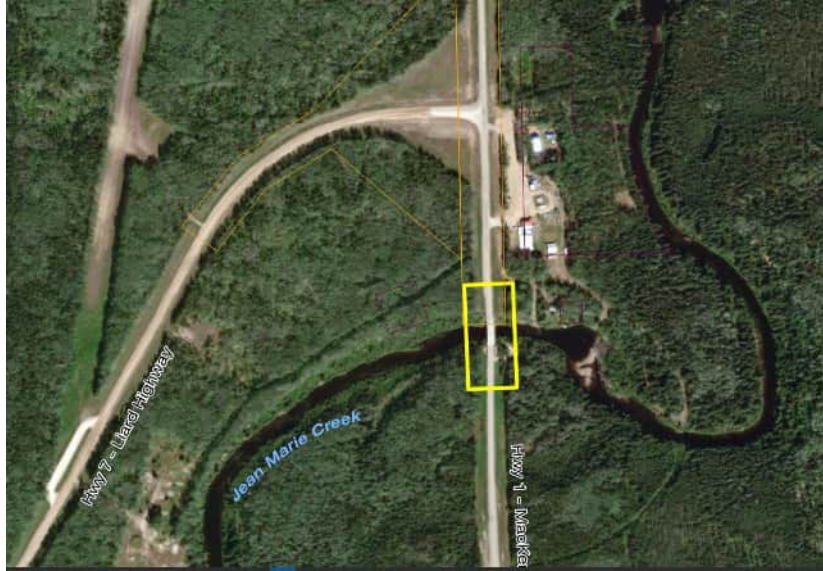
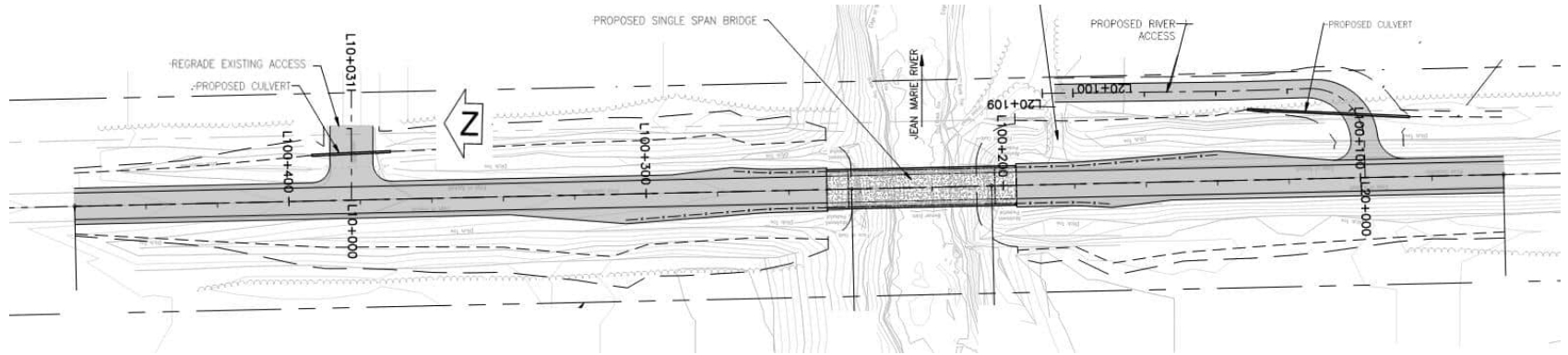


Image credits: GNWT

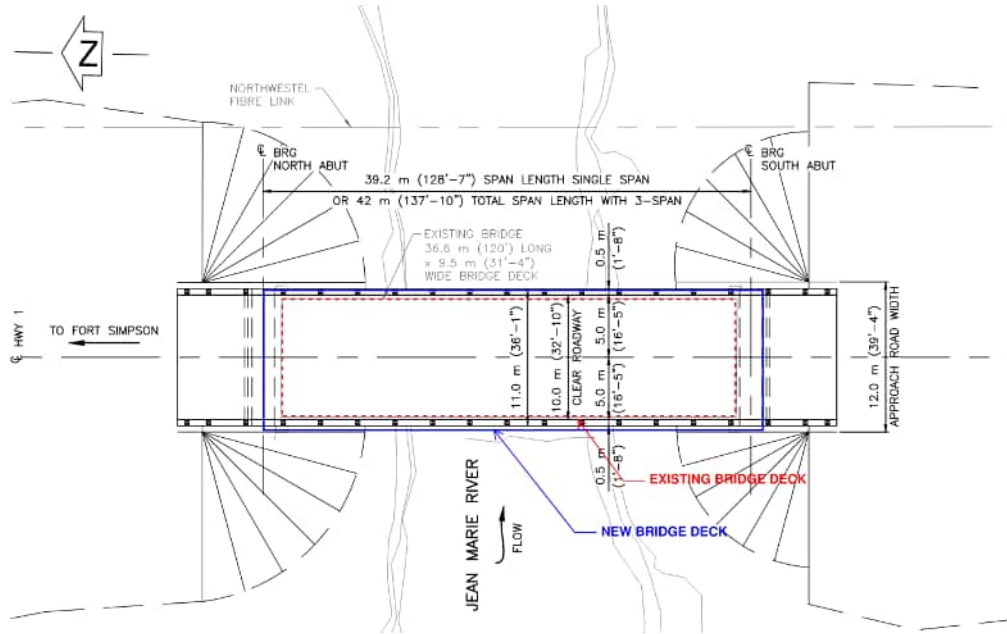
Roadway Plan



Temporary Detour Road Plan



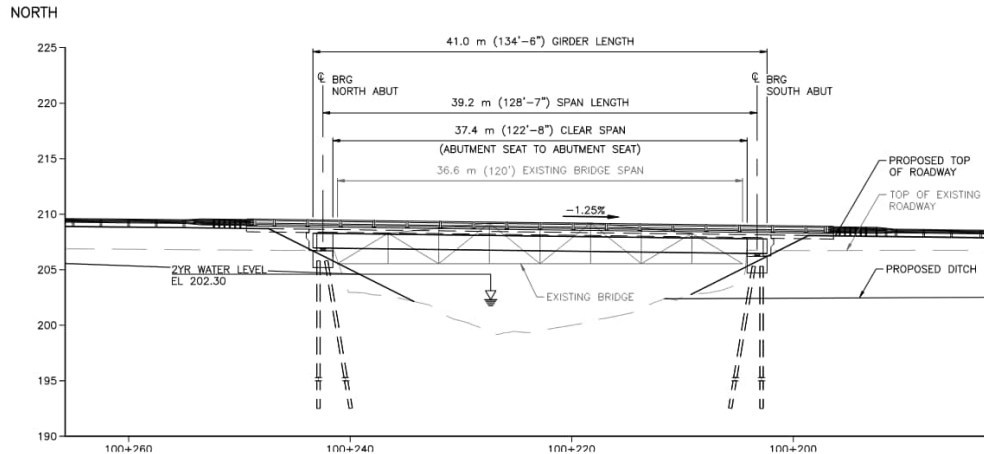
New Bridge Plan – at the same location as the existing



- New bridge is at the same location as the existing bridge
- New bridge is slightly longer than the existing bridge to provide 100-year flood water opening
- New bridge provide standard Highway 1 clear roadway width of 10 m (32' -10"), which is wider than the existing
- New bridge deck will be built higher to accommodate 100-year flood water level
- New bridge span options:
 - ☐ Option 1: Single span steel girders with concrete deck
 - ☐ Option 2: 3-span concrete girders side-by-side
 - ☐ Option 3: 3-span steel girders with concrete deck

Single Span Bridge Option – Steel Girder Bridge

- Bottom of new bridge is at least 0.76 m (2'-6") higher than the existing, 100-year flood event
- 41 m (134') span length is proposed at this stage, existing bridge has span length of 36.6 m (120')
- Steel girders with concrete deck

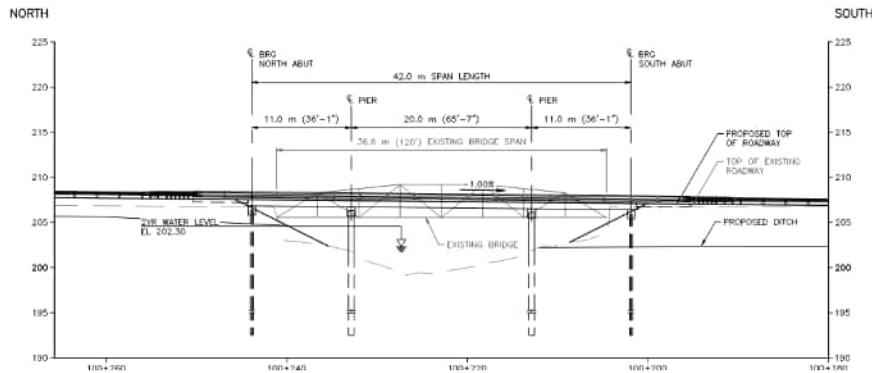


Similar Bridge Photo

Photo credit: Jacobs

Three Span Bridge Option – Concrete or Steel Girder Bridge

- Bottom of new bridge is at least 0.76 m (2'-6") higher than the existing for 100-year flood event
- 42 m (138') total span is length proposed at this stage



Elevation View of three span alternative



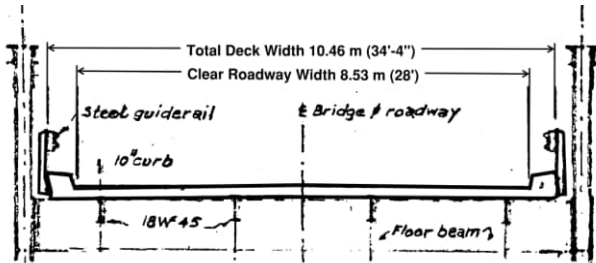
Similar Bridge Photo

(for JMRB, piers are built on the top of the banks)

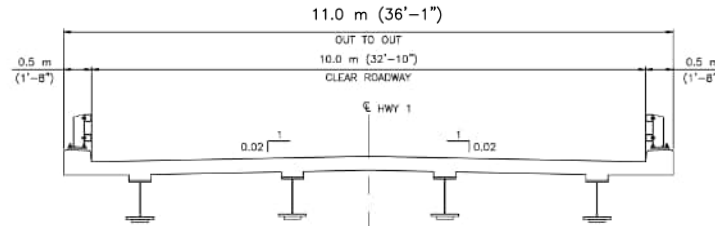
Photo credit: <https://eaglebuilders.ca/projects/battle-river-precast-concrete-bridge/>

Bridge Cross sections

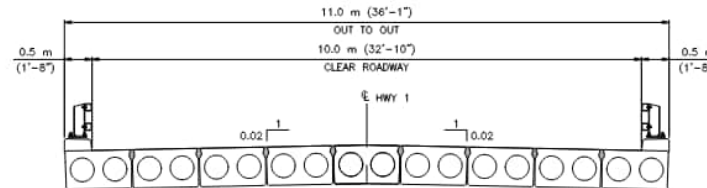
- Existing Bridge Deck Cross-Section
 - 28' clear roadway width



- New Bridge Deck Cross-Section
 - Clear roadway width is 10 m (32'-10")
 - Almost 5 feet wider than the existing



Steel Girder Section



Concrete Girder Section

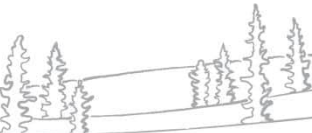
Possible Construction Laydown Areas



Project Schedule

Complete to date:

- Archeological Overview Assessment (AOA) submitted to the Prince of Wales Northern Heritage Centre and approved
- Geotechnical drilling
- Alternative Design Report (draft)



Project Schedule - Continued

Next Steps:

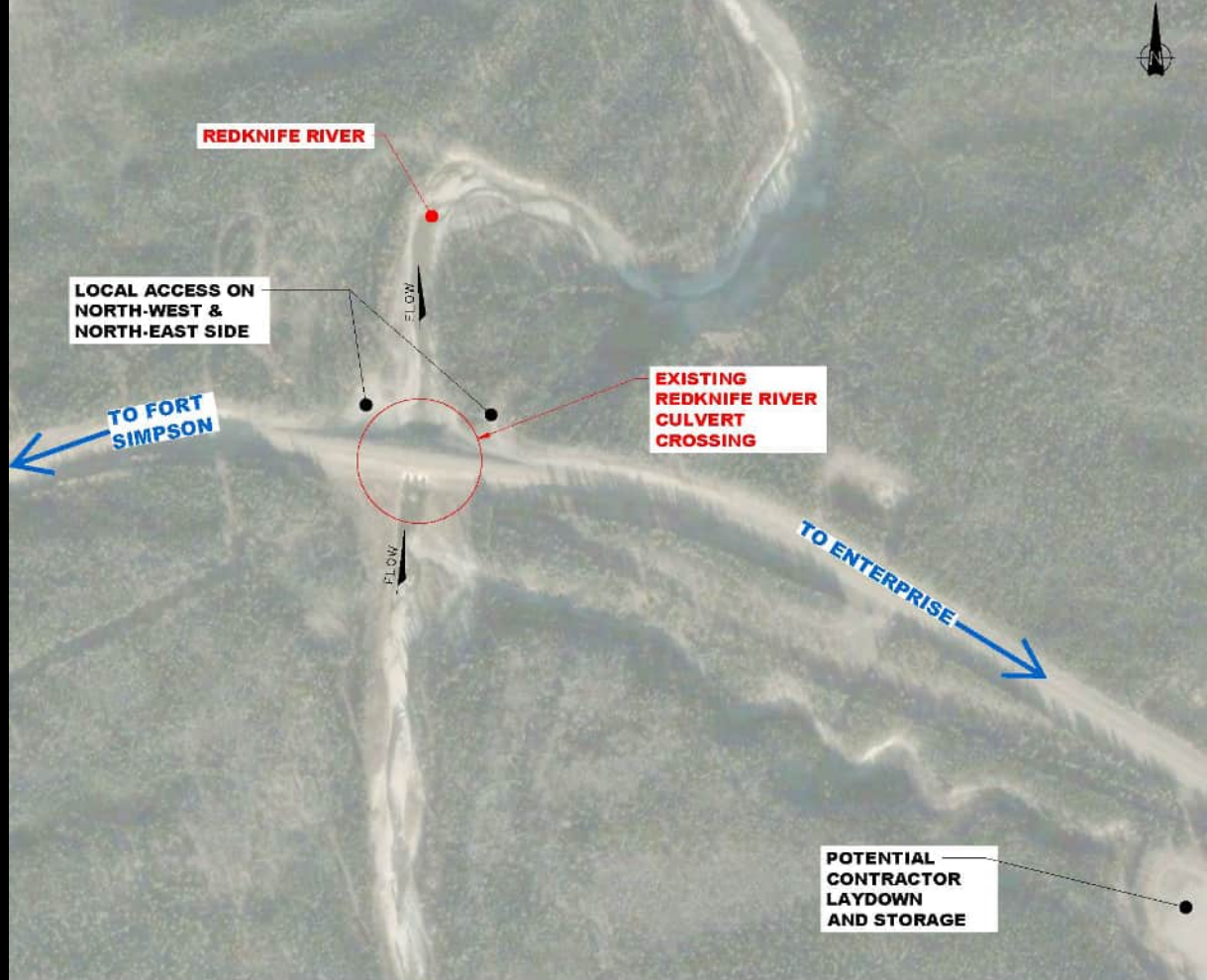
- Community engagement meeting (today)
- Permit applications
- Completion of Design (2023)
- Archeological Impact Assessment (AIA)
- Construction Tender (Early 2024)
- Construction (2024-25)
- Open Bridge to Traffic (Expected fall 2025)



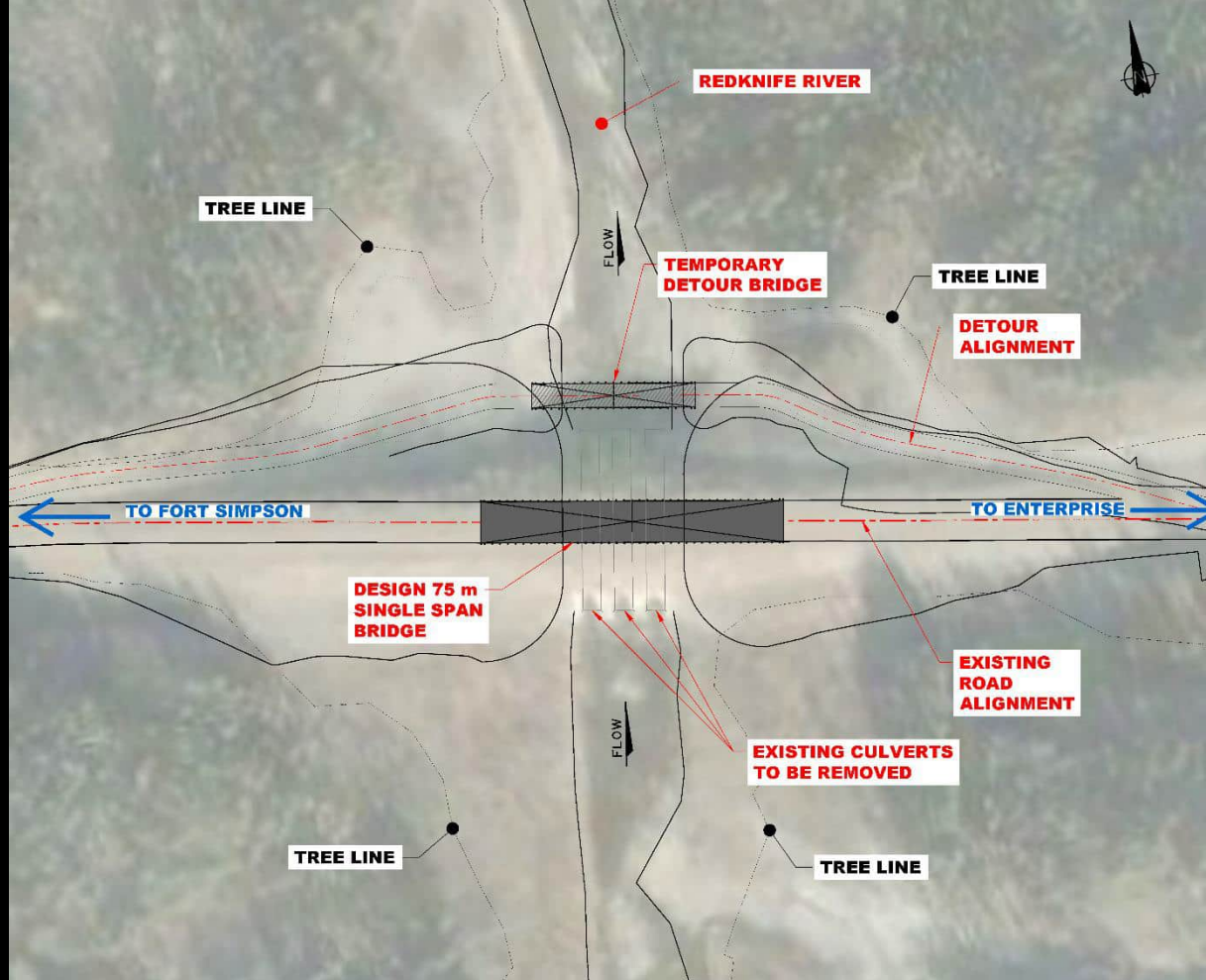
Redknife River Crossing Timelines

- 2023 Design
- Early 2024 Contract Award
- 2024-2025 Construction
- Bridge Open to Traffic (Expected fall 2025)

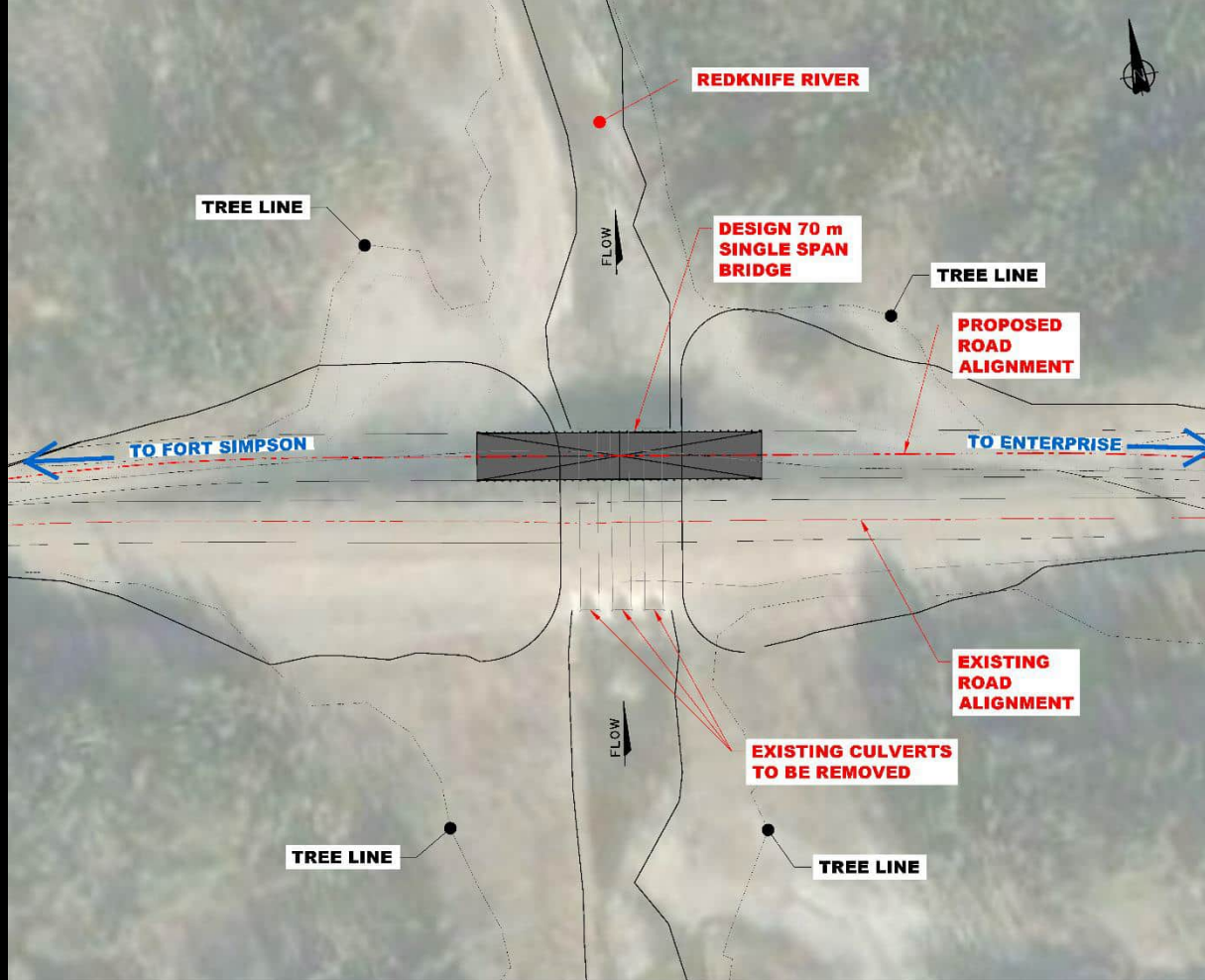




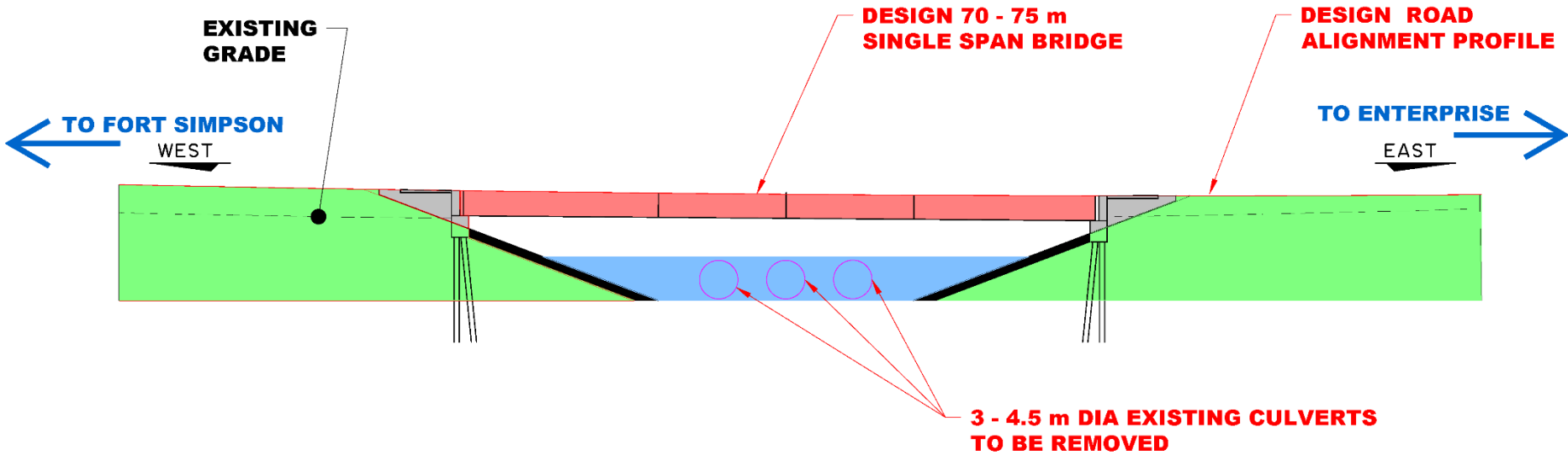
REDKNIFE RIVER CULVERT CROSSING - SITE PLAN



BRIDGE LOCATION ON EXISTING ALIGNMENT WITH NORTH DETOUR
OPTION 1



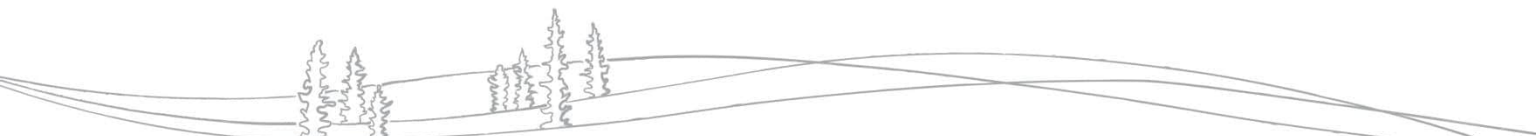
BRIDGE LOCATION ON NEW ALIGNMENT WITH DETOUR ON EXISTING ALIGNMENT
OPTION 2



PROPOSED BRIDGE ELEVATION



Permits and Licences



Regulatory Requirements

1

Type B Water Licence from the Mackenzie Valley Land and Water Board (MVLWB), regulated under the Waters Act.

2

Possible amendment to Land Use Permit from the Mackenzie Valley Land and Water Board (MVLWB), regulated under the NWT Lands Act

3

Project Review from the Department of Fisheries and Oceans Canada (DFO), regulated under the Fisheries Act and the Species at Risk Act.



Type B Water Licence



MACKENZIE VALLEY LAND
AND WATER BOARD



REQUIRED FOR DEPOSIT
OF WASTE



LIMITS DAILY USE OF
WATER



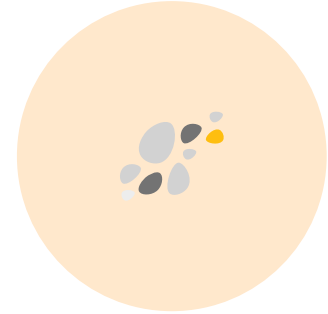
Land Use Permit Amendment



MACKENZIE VALLEY LAND
AND WATER BOARD



REQUIRED FOR WORK
OUTSIDE THE RIGHT OF WAY



REQUIRED FOR QUARRYING
IF EXISTING QUARRIES CAN'T
MEET QUANTITIES



DFO Request for Review

Fisheries and
Oceans Canada

Required to
mitigate potential
impacts to fish



Máhsi Cho



■ Appendix E

Community Engagement Session Notice



Have your say on Jean Marie River/Redknife River projects

Public Service Announcement

Yellowknife — March 23, 2023

The Government of the Northwest Territories (GNWT) is inviting residents to provide feedback on two highway infrastructure projects: the replacement of the Jean Marie River bridge and the removal of existing culverts and new bridge construction at Redknife River.

The Jean Marie River Bridge – located on highway 1 approximately 65 km south of Fort Simpson – requires replacement as it is reaching the end of its life cycle.

The removal of existing culverts and new bridge construction at Redknife River – located on highway 1 approximately 181 kilometres southeast of Fort Simpson – will restore fish passage for migratory species. This initiative is the result of a unique and mutually beneficial partnership between the GNWT and Gahcho Kué Mine and is part of a larger initiative to improve stream and river highway crossings throughout the NWT's highway system.

Engagement sessions are taking place in the following communities:

- **Jean Marie River**
Tuesday, March 28, 2023
12 p.m.
Community gym
- **Fort Simpson**
Wednesday, March 29, 2023
10:30 a.m.
Łíídlı́ Kúé Council Chambers

A lunch will be provided at both sessions.

Relevant Links:

- [Backgrounder - replacement of Jean-Marie River Bridge](#)
- [Backgrounder - replacement of culvert with Redknife River Bridge](#)
- [Have Your Say on the replacement of Jean-Marie River Bridge](#)
- [Have Your Say on the replacement of culvert with Redknife River Bridge](#)

For media requests, please contact:

INF Communications

Department of Infrastructure

Government of the Northwest Territories

INF_Communications@gov.nt.ca

■ Appendix F
Water License Application Pre-Submission
Engagement: Jean Marie River Bridge, NWT
Highway 1 KM 411.2



Via Email

DISTRIBUTION LIST:

Water Licence Application Pre-Submission Engagement: Jean Marie River Bridge, NWT Highway 1 Km 411.2

The Government of the Northwest Territories, Department of Infrastructure (INF) will be submitting a water licence application to the Mackenzie Valley Land and Water Board (MVLWB) for a new water licence to replace the bridge at Jean Marie River on NWT Highway 1, Km 411.2

The existing Jean Marie River Bridge is a single-span, half-through (pony) truss bridge over the Jean Marie River at Kilometre Post (KP) 411.2 on Mackenzie Highway (No. 1), located south of the junction with Highway 7, approximately 65 kilometres (km) south of Fort Simpson, Northwest Territories (NWT) (Figures 1-1 and 1-2).

Evaluation of the existing bridge showed that the bridge does not have enough capacity for some of the required truck loads and after assessment of the options for strengthening versus replacement, the GNWT found that replacement of the bridge would be a more advantageous option. Jacobs was retained by GNWT in 2022 to provide engineering services for replacement of the existing bridge.

After preliminary engineering, three options were selected and presented in the community engagement meetings in March 2023 with First Nations leadership and community members (Jean Marie River, NT and Fort Simpson, NT). The three options included two options with three spans which had piers in the river and a single span option with no piers in the river. In both meetings, the communities asked for selection of the single span option which had less impact on the river. Based on this preference, the single span option was selected for detailed design. A temporary detour bridge is proposed to be constructed for traffic access during construction.

Some of the community concerns that were discussed in the meetings included flood mitigation, water quality during the construction, and maintaining access for boat launch and adjacent properties. The new bridge is designed to provide 1.2 m minimum freeboard above the 1 in 100-year flood elevation and will have graded access roads for boat launch and adjacent Check Point Bed and Breakfast. The contractor will be required to monitor the water quality during the construction.

The bridge footprint will be within the Highway 1 right-of-way. Construction activities are anticipated to occur from fall 2024 to fall 2026 for an approximately two-year period. The workspaces left behind after construction will be required to be acceptable to Indigenous Peoples for their future use, and support local fisheries, wildlife, and plants.

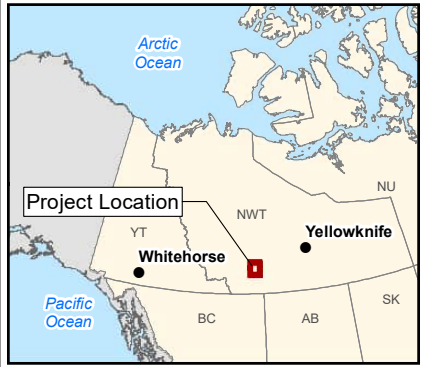
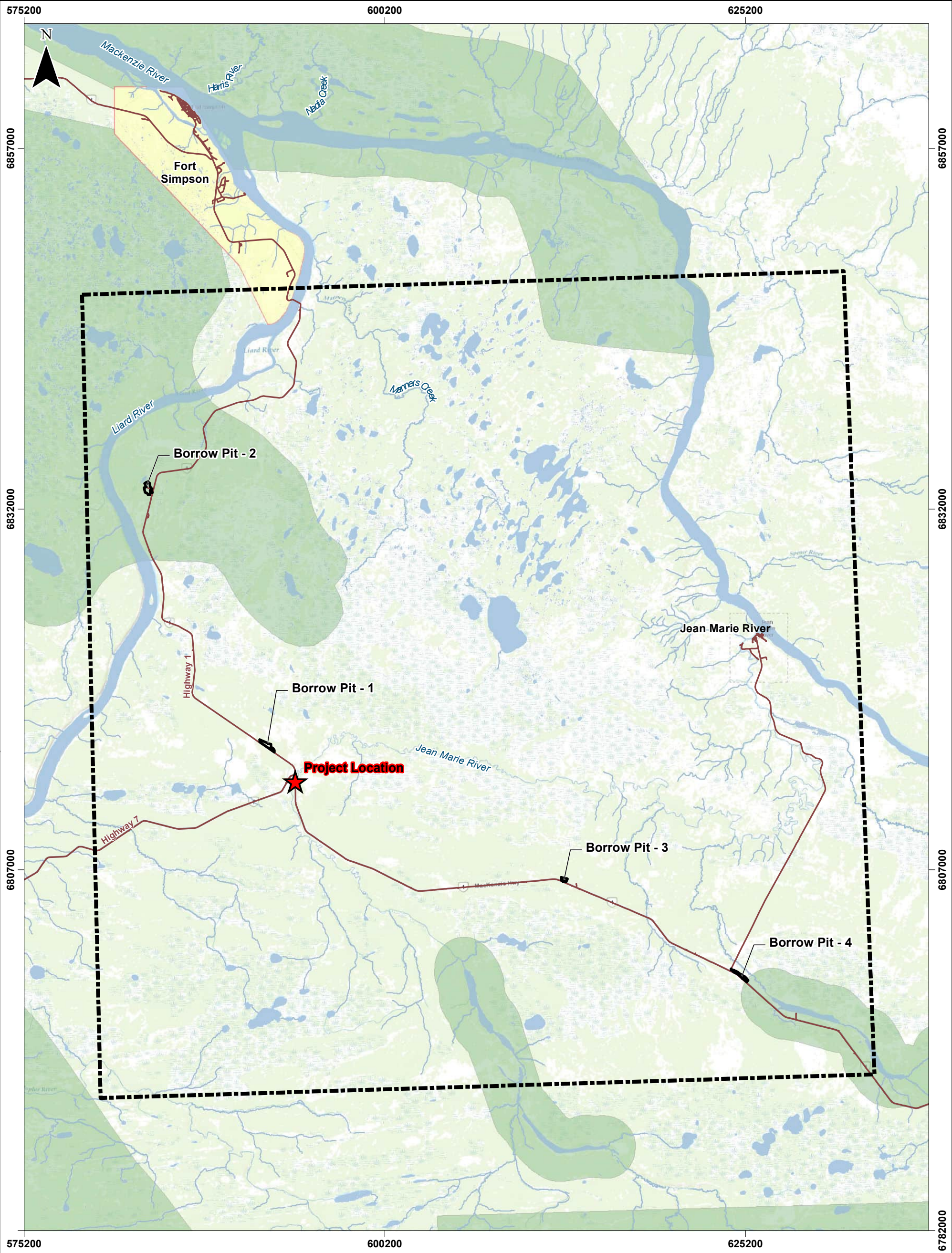










Prior to submitting the application to the MVLWB, INF would like to engage with your organization. Any questions or concerns regarding the proposed application can be submitted by January 12, 2024 to Alexis Campbell by email at Alexis.Campbell@gov.nt.ca or to Alina Goldenberg by email at Alina.Goldenberg@gov.nt.ca.

Sincerely,

Alexis Campbell
Environmental Analyst
Design and Technical Services
Department of Infrastructure

Attachments – Figure 1-1 Project Location
Figure 1-2 Crossing Detail




-  Project Location
-  Borrow Pit
-  Highway/Road
-  Waterbody
-  Watercourse
-  Municipal Boundary
-  Proposed Protected/Conservation Area
-  Regional Study Area

1:250 000 NTS map sheet number 95H

NAD 1983 UTM Zone 10N
Highway/Road: Source: NRCan 2014; Waterbody/Watercourse: NRCan 2007-2011; Municipal Boundary, Proposed Protected/Conservation Area: Government NWT; Imagery: ESRI Basemaps

FIGURE 1-1
PROJECT LOCATION
JEAN MARIE RIVER BRIDGE REPLACEMENT
GOVERNMENT OF NORTHWEST TERRITORIES
INFRASTRUCTURE

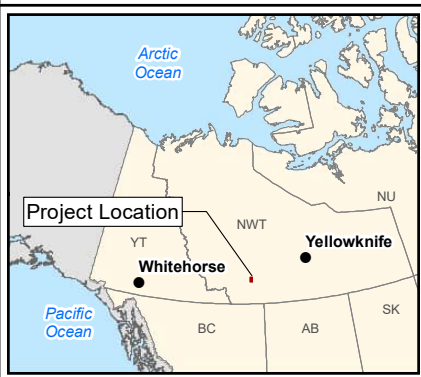
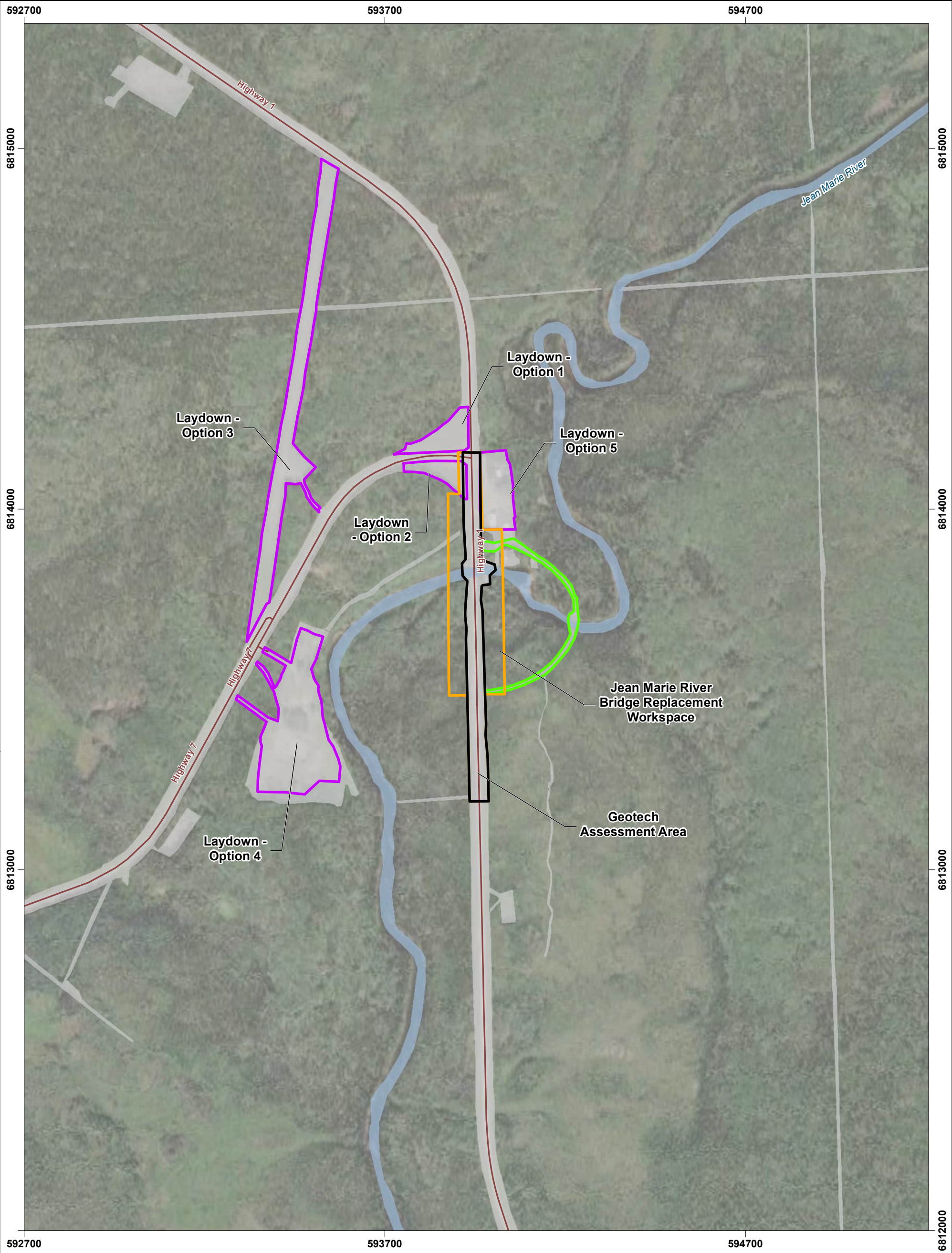
SCALE: 1:250,000




This map has been compiled from the best existing sources available at the time of preparation. However, Enbridge Inc., Enbridge Energy and/or its affiliates and/or subsidiaries do not guarantee the accuracy of the map or assume responsibility of liability for any reliance thereon.

December 2023

Jacobs



Jean Marie Bridge Replacement Footprint

- Geotech Assessment Area
- Workspace
- Laydown
- Shoofly

- Highway/Road
- Waterbody
- Disturbed Area

FIGURE 1-2

JEAN MARIE RIVER BRIDGE REPLACEMENT - CROSSING DETAIL

JEAN MARIE RIVER BRIDGE REPLACEMENT

GOVERNMENT OF NORTHWEST TERRITORIES

SCALE: 1:10,000