



Special Council Agenda – 10 Year Capital Plan
February 2, 2023 – 9:00 AM
Municipal Office – Council Chambers
6648 Road 506, Plevna
[Zoom Meeting Registration](#)

Page

1. Call to Order and Purpose of Meeting

2. Chair's Opening Remarks

3. Approval of Agenda

a) February 2, 2023

Be It Resolved That Council approves the Agenda for the Special Meeting regarding the 10 Year Capital Plan dated February 2, 2023, as circulated.

4. Disclosure of Pecuniary Interest and General Nature Thereof

5. Council, CAO, and Managers' Administrative Reports

4 - 6

a) Public Works Manager: Request for Maintenance of Quackenbush and Struthadam Roads

Be It Resolved That Council receives for information the Public Works Manager's (PWM) Administrative Report entitled "Request for Maintenance of Quackenbush and Struthadam Roads";

And That Council approves an allocation to the 10 Year Capital Plan of \$20,000 / year for the Struthadam Road and \$50,000 / year for the Quackenbush Road to undertake capital improvements until 2032.

7 - 20

b) Director of Emergency Services/Fire Chief: Emergency Services Communication Tower

Be It Resolved That Council receives for information the Director of Emergency Services, Fire Chief's Administrative Report entitled "Emergency Services Communication Tower";

And That Council instructs the Director of Emergency Services, Fire Chief to have the Consultant proceed with the purchase of the design

specific radio and antenna equipment for the Fire, Public Works and Parks and Recreation Departments radio and antenna communication equipment for the Big Lake and Ompah Towers;

And That Council instructs the Treasurer to take the additional expenses for the Communication Tower from the Municipal Modernization residual balance and the final amount from the Infrastructure Sustainability Reserve Fund.

21 - 46

- c) Treasurer: 2022 Summary of the Ten (10) Year Capital Plan 2022-2031; Tangible Capital Asset (TCA) Replacement Schedules (planned spending) as amended

Be It Resolved That Council receives the Treasurer’s Administrative Report entitled “North Frontenac 2023 Summary of the Ten (10) Year Capital Plan 2023-2032, TCA Replacement Schedules (planned spending)” for information purposes;

And That Council approves the 2023 Summary of the 10 Year Capital Plan (2022 – 2032) Tangible Capital Asset (TCA) Replacement Schedules (planned spending);

And That Council authorizes the CAO and Managers to proceed with the applicable 2023 TCA Capital Purchases/Tenders (in accordance with these Schedules and the Procurement By-law);

And That Council authorizes the CAO and Director of Emergency Services to Tender in 2023 for the 2026 replacement of the 2011 Ford F550 mini pumper, due to delays in manufacturing (3 years from order date to delivery date);

And That Council authorizes the CAO and Public Works Manager to Tender in 2023 for the replacement of the 2015 Freightliner Tandem Truck in 2025, due to delays in manufacturing (2 years from order date to delivery date).

6. Public Forum

7. Confirmatory By-law

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- a) Confirming By-law #12-23

Be It Resolved That By-law #12-23, being a By-law to confirm all actions and proceedings of Council for its Special Meeting held February 2, 2023 be read a first and second time.

8. Adjournment

- a) Adjournment of Council Meeting

Be It Resolved That Council adjourns the Meeting at _____ .m. until February 3, 2023 or at the call of the Chair.

“Accessible formats and communication support are available upon request. The Township of North Frontenac is committed to accessibility for persons with disabilities. Please contact Eric Korhonen, Accessibility Coordinator at firechief@northfrontenac.ca if you have an Accessible accommodation request.”



Administrative Report

To: Mayor and Members of Council

From: Darwyn Sproule, P.Eng., Public Works Manager

Recommended by: Corey Klatt, Dipl.M.A., Chief Administrative Officer _____

Date of Meeting: February 2, 2023

Re: Request for Maintenance of Quackenbush and Struthadam Roads

Background

On October 14, 2022 Council passed Resolution #400-22:

Be It Resolved That Council receives for information an email dated September 20, 2022 from Brad Runtz, Real Estate Agent on behalf of Brett Mask, property owner, advising the property Mr. Mask owns is accessed by Quackenbush Road; and that the road leading to the property is in horrendous condition; and that Mr. Mask, and other landowners on Quackenbush Road, would like Council to provide maintenance of the road for the 2.5 kilometers that it is currently maintained under the Township's Level of Service By-law #89-13 Schedule "C", And That the Public Works Manager will review the condition of the Quackenbush Road and report to Council with proposed options and associated costs for consideration during the 2023 budget process.

By-Law #89-13 (Level of Service) identifies Quackenbush Road as seasonally maintained for 2.5 km (no winter maintenance). The Township has completed very limited maintenance on Quackenbush Road for a number of years. Recent maintenance has been completed primarily by Logging Companies with operations in the area.

The Township has also received concerns / several requests for maintenance on Struthadam Road. The status of Struthadam Road is similar to Quackenbush with approximately 6 km identified as seasonally maintained. The Township has completed very limited maintenance on the seasonally maintained section. There are several properties on Struthadam Road that are now accessed seasonally but on a regular basis. In response to the concerns identified by property owners in 2022, the Township did complete very limited work (gravel and ditching) on Struthadam Road.

Public Works Manager's Administrative Report
Request for Maintenance of Quackenbush Road and Struthadam Road
February 2, 2023
Page 1 of 3

This report addresses an action plan for both Struthadam and Quackenbush Roads given the similar nature of the concerns / needs and significant costs identified.

Researched By

Darwyn Sproule P.Eng., Public Works Manager

Comments

The Public Works Manager (PWM) and Foreman (PWF) inspected Quackenbush and Struthadam Roads in the fall of 2022.

Quackenbush requires considerable work, including: brushing, ditching, culverts, granular and grading.

Limited work has been undertaken by the Township on Struthadam Road, including brushing, a culvert replacement, and granular, but considerable work remains (ditching, drainage, granular and grading).

The needs on both roads are considerable and costly. The initial draft of the Road Needs Study (RNS) completed by D.M. Wills Associated Limited (Wills) in 2022 assessed both roads and identified the capital cost for improvements at:

Quackenbush Road - \$1,091,000

Struthadam Road - \$1,475,000

These costs are substantial for our small rural Municipality. A multi-year staged approach is recommended with a committed annual expenditure to initiate capital upgrades.

I am recommending \$20,000 / year for Struthadam and \$50,000 / year for Quackenbush Roads. The Struthadam Road allocation reflects the work completed by the Township over the last several years.

Financial Implications

Given the significant estimated cost of the capital improvements, a multi-year commitment is recommended. Being:

\$20,000 annually for Struthadam Road, and

\$50,000 annually for Quackenbush Road.

The recommended duration is ten (10) years with the need to be reassessed at that time.

Recommendation

Be It Resolved That Council receives for information the Public Works Manager's (PWM) Administrative Report entitled "Request for Maintenance of Quackenbush and Struthadam Roads";

And That Council approves an allocation to the 10 Year Capital Plan of \$20,000 / year for the Struthadam Road and \$50,000 / year for the Quackenbush Road to undertake capital improvements until 2032.



Administrative Report

To: Mayor and Members of Council

From: Eric Korhonen, Director of Emergency Services, Fire Chief

Recommended by: Corey Klatt, Dipl. M.A., Chief Administrative Officer

Date of Meeting: February 2, 2023

Re: Emergency Services Communication Tower

Background

The Province provided a one-time payment in 2018-2019 via the Municipal Modernization Fund, Intake 1, to support small and rural municipal efforts to become more efficient and reduce expenditure growth in the longer term. The investment is unconditional, it is intended to help modernize service delivery and reduce future costs through investments in projects such as: service delivery reviews, development of shared service agreements, and capital investments.

On June 6, 2018 the Director of Emergency Services (DESFC) provided Council with a Fire Master Plan. The plan identified that:

“Due to the geographic and topographic nature of the Township, radio communications is not always optimum. The signal can be degraded by external factors such as the weather, line of sight, proximity to the repeater towers and Volunteer technique when using the radios. Some of these concerns are being addressed as recommended in the 2016 Joint Frontenac Townships’ GAP Study, through administration and training while some are beyond the Departments control. The County/Townships continue to investigate all possible funding opportunities to improve communications”.

On January 16, 2019 Fire Chief Casey Cuddy provided the Joint Fire Committee for the Kaladar/Barrie Fire Department an Administrative Report, entitled “Radio Communications Concern”, which recommended:

“BE IT RESOLVED THAT the Committee receives for information the Administrative Report entitled “Radio Communications Concern”;
AND THAT the Committee forward this to both councils asking that this be looked at as a joint venture”.

Director of Emergency Services, Fire Chief Administrative Report
Emergency Services Communication Tower
February 2, 2023
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On March 1, 2019 Council passed Resolution #120-19 which stated:
“**Be It Resolved** That Council receives for information the Kaladar/Barrie Joint Fire Committee Resolution #06-19 dated January 16, 2019, receiving for information the Administrative Report entitled “Radio Communication Concern”; and instructing the report be forwarded to both Councils asking that it be looked at as a joint venture;

And That Council receives for information the Kaladar/Barrie Fire Chief’s Administrative Report entitled “Radio Communication Concerns”

And That Council recommends the Joint Fire Committee instruct the Kaladar/Barrie Fire Chief work with the North Frontenac Fire Chief to provide some potential options to address radio communication concerns for both Councils consideration”. **Carried**

On March 3, 2021 Council passed Resolution #117-21

“**Be It Resolved That** Council receives for information the Director of Emergency Services, Fire Chief’s Administrative Report entitled “Communication Tower Upgrades - Municipal Modernization Fund”;

And That Council approves installing a Communications Tower to improve our existing system and reduce dead zones, improve Emergency Services communications and provide for a safer operating environment;

And That Council instructs the Treasurer to transfer up to a maximum of \$180,000 from the Municipal Modernization Reserve Fund”. **Carried**

On October 22, 2021 Council passed Resolution #471-21

“**Be It Resolved That** Council receives for information the Director of Emergency Services, Fire Chief’s Administrative Report entitled “Proposed Public Safety Radio Tower Location”;

And That Council instructs the Clerk to continue to work with the Township’s Solicitor to confirm the ownership of the Road Allowance between Lots 10 and 11, Concession 7, geographic Township of Miller;

And That once the ownership is confirmed to be the Township, Council instructs the Director of Emergency Services, Fire Chief to proceed with the Request for Proposal for a Public Safety Radio Tower to be located on the Road Allowance between Lots 10 and 11, Concession 7, geographic Township of Miller along the Mountain Road”. **Carried**

Researched By

Eric Korhonen, Director of Emergency Services, Fire Chief

Comments

The Department has retained the services of a Communications Consultant to assist with the Request for Proposal (RFP) for a Communications Tower, liaise, on behalf of the Township with Innovations, Science and Economic Development Canada (ISED) and to consult with regarding the Communications Tower and necessary equipment to provide for a cost effective project which will be flexible, sustainable and upgradable.

Director of Emergency Services, Fire Chief Administrative Report
Emergency Services Communication Tower
February 2, 2023
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A surveyor was retained to survey the proposed property. A Property Identification Number (PIN) was assigned and the title of the property is now in the Townships name.

The RFP for Tower construction has been awarded, with a scheduled completion date of May 31, 2023.

The Consultant has suggested that the required radio communication equipment be purchased to expedite installation and to ensure that the equipment meets the design requirements, reduce the installation costs of the project prior to the towers placement, reduce the effect of rising prices, and address any supply chain issues. The Consultant is able to negotiate with the various manufacturers and suppliers to acquire the specific components needed to create the designed communication system. In accordance with the Municipal Modernization requirements this meets the requirements to source the radio communication “equipment only” with the Consultant as:

- when specialized experience, knowledge or expertise is required
- when it is necessary to ensure compatibility with existing products

The Consultant has also identified that the Public Works (PW), and Parks and Recreation (P&R) Communication systems will benefit by transitioning to the Big Lake Tower. The Big Lake Tower, and if approved, the transition to the satellite Tower at Ompah will improve communication, reduce dead zones and ensure that the PW and P&R Departments will not lose communication abilities similar to the May Derecho of 2022 because the new Communication Tower will have a backup generator.

The proposed transitioning to the Big Lake Tower will also eliminate the regular monthly invoice of \$760 from Bell Mobility Radio Division for PW and P&R for the rental of a radio frequency which belongs to Bell Mobility and the use of the Bell Mobility communication tower on Ardoch Road.

Should Council approve the transition, there would be a onetime expense to provide PW and P&R with dedicated equipment at the Big Lake Tower and the Ompah Tower (\$29,000 per Tower location and an antenna at Big Lake and the Ompah Tower to provide for a VHF signal link at \$13,200). The Ompah Tower is not mandatory but would enhance PW and P&R range and signal strength for Wards two and three:

Onetime Expense

Big Lake Only-\$29,000
Ompah Site - \$29,000
VHF Link - \$13,200

The PW and P&R communication equipment must be separate from Emergency Fire Communication Equipment. Each proposed site will be require a separate designated radio base and antenna for PW and P&R. All radio equipment in

Director of Emergency Services, Fire Chief Administrative Report
Emergency Services Communication Tower
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vehicles and portable radios would be reprogrammed to the new Township frequencies for a minimal fee.

The Big Lake transition would provide a single repeater similar to the existing PW and P&R network with Bell Mobility, but on the Municipal Tower at the Big Lake location.

Financial Implications

The Communication Tower is being funded from Municipal Modernization Grant dollars received from the Province in 2019 per Resolution #117-21. Council allocated \$180,000 of the funds within the grant for a new Communication Tower. Total spent on the Communication Tower to date is \$27,071.02, leaving \$152,928.98 for the project. These funds will be used for the tower installation and the equipment for fire communications to be installed on the Tower.

Additional expenses not originally considered:

- \$72,500 Equipment to add Public Works and Parks and Recreation to the Big Lake and Ompah Communication Tower
- \$12,000 Generator for new tower
- \$25,000 Hydro installation for tower

The additional expenses is estimated at \$109,500. There remains \$84,500 available from the original Modernization funding due to other projects being completed under budget (other projects include Asset Management Software, Roads Needs Study, Building Condition Assessment, Installation of Generators at 5 municipal facilities, joint services delivery review, efficiency study and TOMRMS Software). The remaining additional costs could be funded from the Infrastructure Sustainability Reserve Funds.

It is estimated that by transitioning all departments the Township would have a savings of approximately \$9,100 annually as we will no longer need the rent a tower and radio frequency from Bell Mobility.

Recommendation

Be It Resolved That Council receives for information the Director of Emergency Services, Fire Chief's Administrative Report entitled "Emergency Services Communication Tower";

And That Council instructs the Director of Emergency Services, Fire Chief to have the Consultant proceed with the purchase of the design specific radio and antenna equipment for the Fire, Public Works and Parks and Recreation Departments radio and antenna communication equipment for the Big Lake and Ompah Towers;

And That Council instructs the Treasurer to take the additional expenses for the Communication Tower from the Municipal Modernization residual balance and the final amount from the Infrastructure Sustainability Reserve Fund.

Director of Emergency Services, Fire Chief Administrative Report
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Enclosure

1. Propagation Study Multicast Radio System

Director of Emergency Services, Fire Chief Administrative Report
Emergency Services Communication Tower
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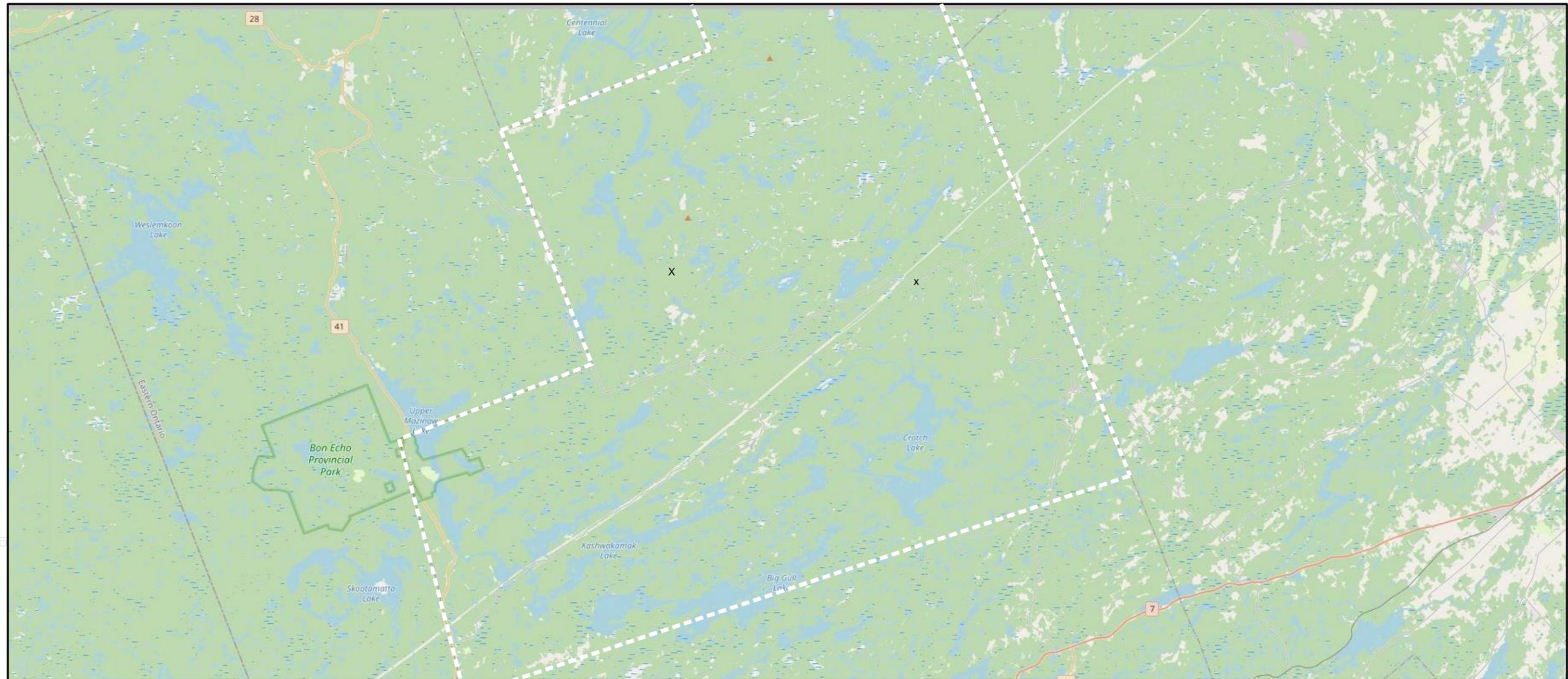
MULTICAST RADIO SYSTEM PROPOSAL



Township of 
North Frontenac



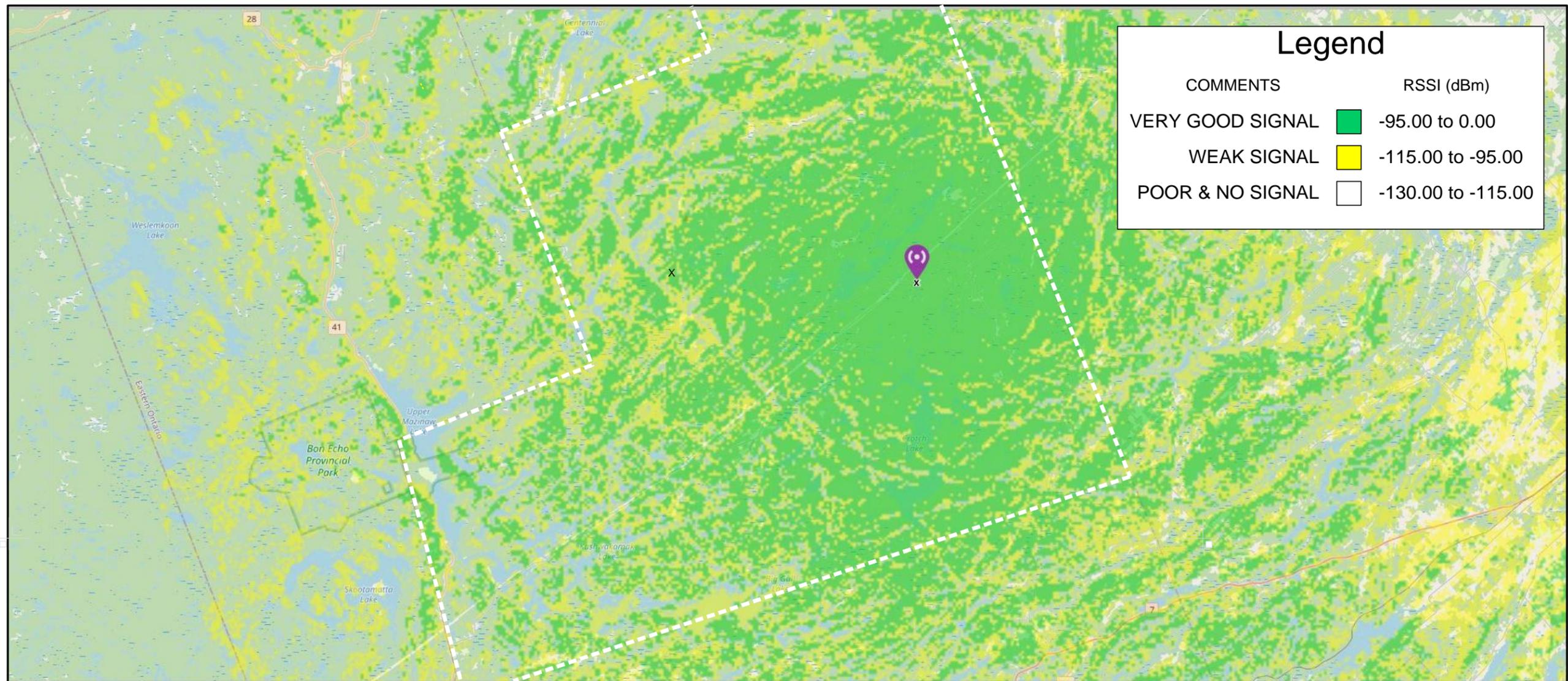
NORTH FRONTENAC BOUNDARIES



 FRONTLINE COMMUNICATIONS THE CLEAR CHOICE	CUSTOMER:	TITLE:	PROJECT:	DRAWN BY: Daniel Lafrance	PG: 2
	North Frontenac Fire	RF PREDICTION MAPS	LMR RADIO UPGRADE / ROAD MAP	DATE: September 30, 2022	
				Rev: 1.7	

OMPAH TOWER SITE (30 M)

TOWER TO SUBSCRIBER (S) (DOWN-LINK)



CUSTOMER:
North Frontenac Fire

TITLE:
RF PREDICTION MAPS

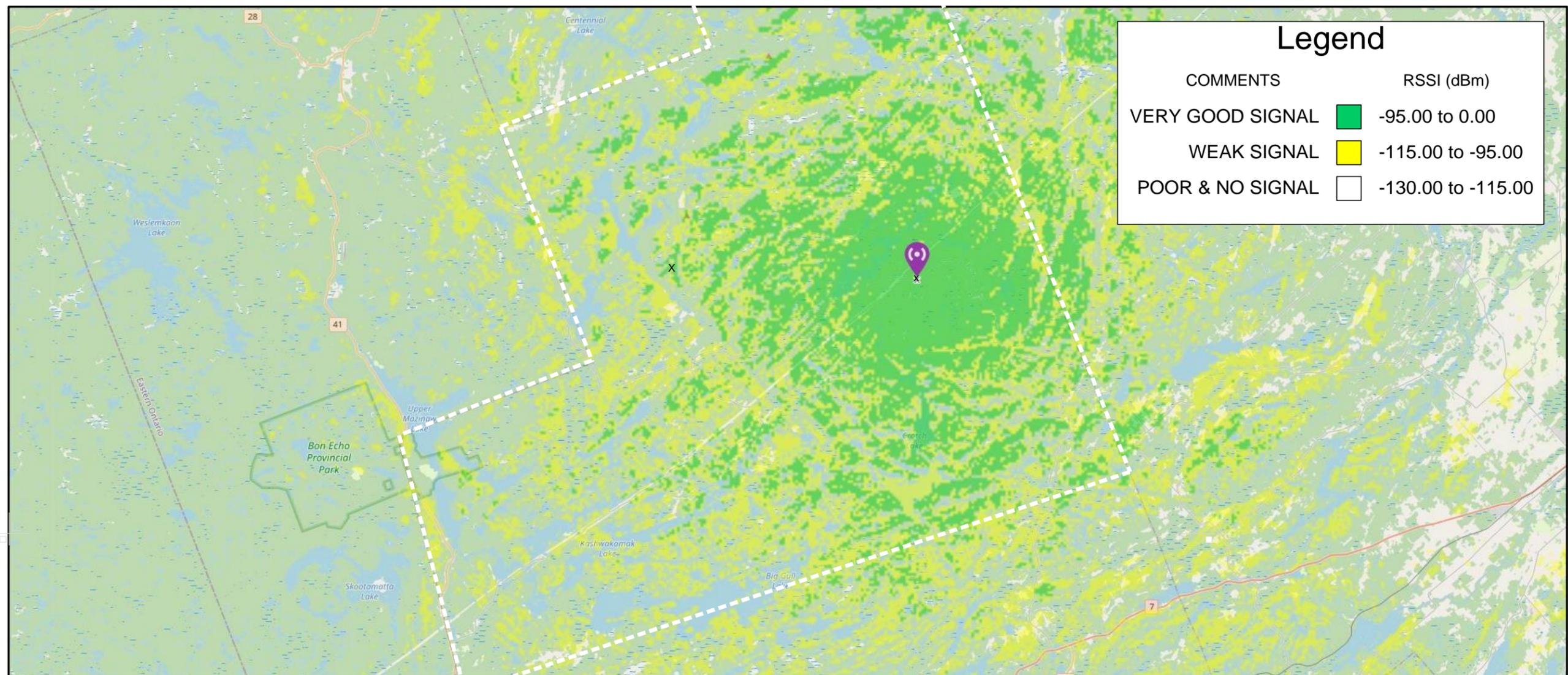
PROJECT:
LMR RADIO UPGRADE /
ROAD MAP

DRAWN BY: Daniel Lafrance
DATE: September 30, 2022
Rev: 1.7

PG:
3

OMPAH TOWER SITE (30 M)

SUBSCRIBER (S) TO TOWER (UP-LINK)



CUSTOMER:
North Frontenac Fire

TITLE:
RF PREDICTION MAPS

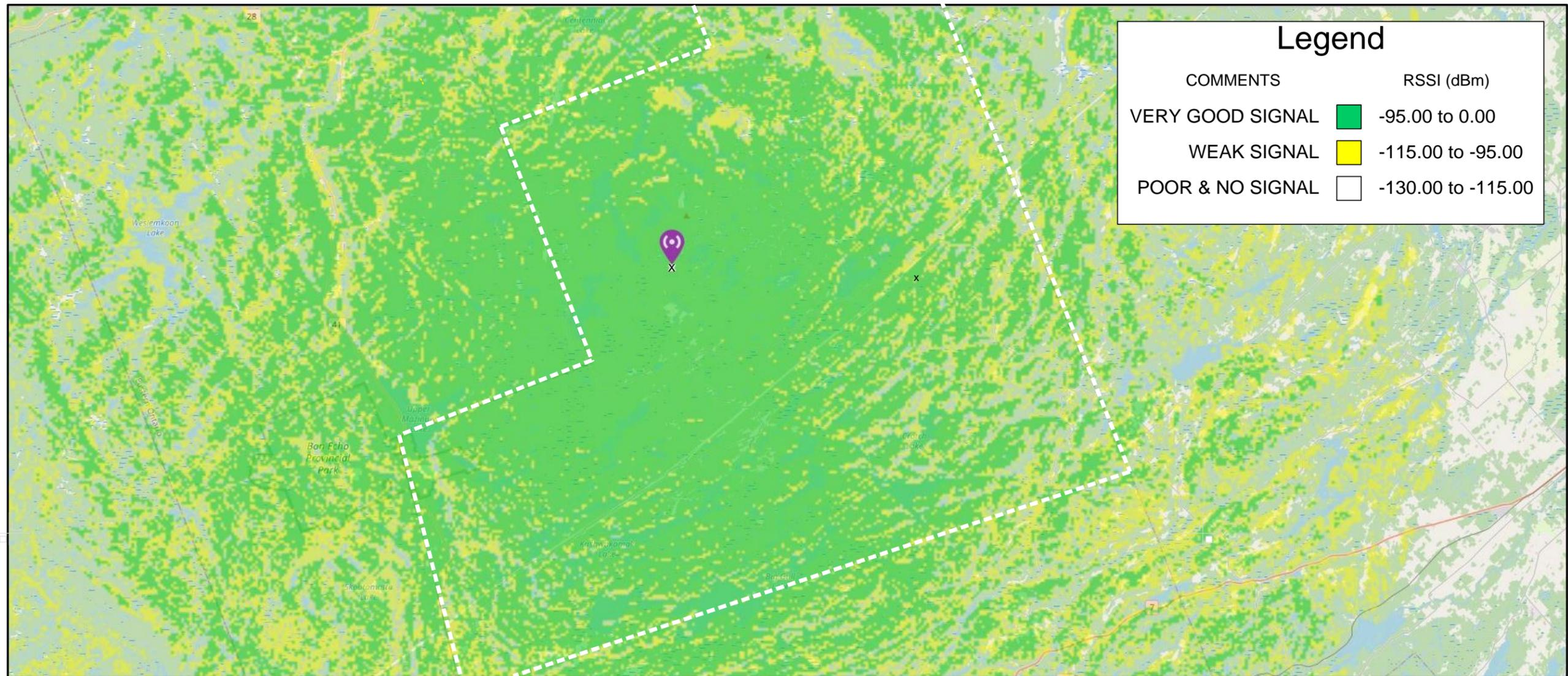
PROJECT:
LMR RADIO UPGRADE /
ROAD MAP

DRAWN BY: Daniel Lafrance
DATE: September 30, 2022
Rev: 1.7

PG:
4

BIG LAKE TOWER SITE (36.5 M)

TOWER TO SUBSCRIBER (S) (DOWN-LINK)



Legend	
COMMENTS	RSSI (dBm)
VERY GOOD SIGNAL	-95.00 to 0.00
WEAK SIGNAL	-115.00 to -95.00
POOR & NO SIGNAL	-130.00 to -115.00



CUSTOMER:	North Frontenac Fire
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TITLE:	RF PREDICTION MAPS
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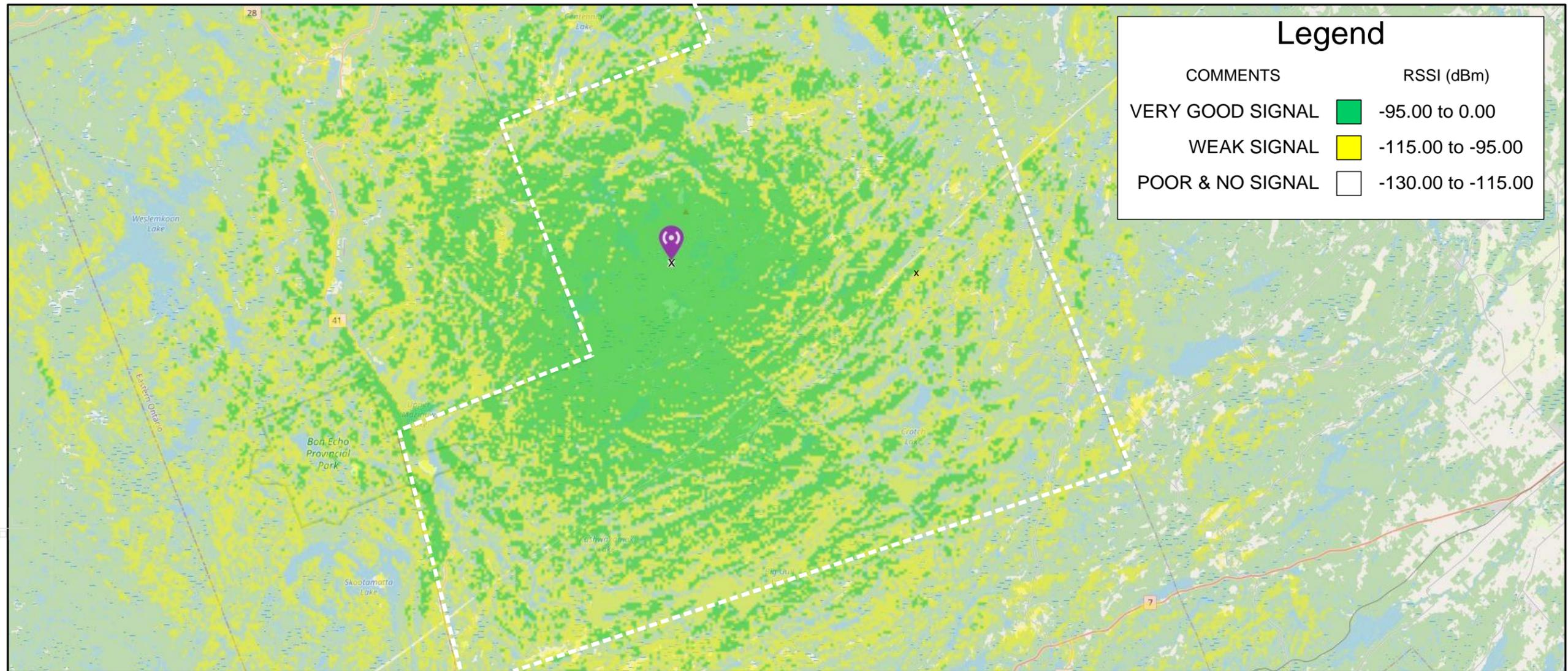
PROJECT:	LMR RADIO UPGRADE / ROAD MAP
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DRAWN BY: Daniel Lafrance
DATE: September 30, 2022
Rev: 1.7

PG:	5
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BIG LAKE TOWER SITE (36.5 M)

SUBSCRIBER (S) TO TOWER (UP-LINK)



Legend	
COMMENTS	RSSI (dBm)
VERY GOOD SIGNAL	-95.00 to 0.00
WEAK SIGNAL	-115.00 to -95.00
POOR & NO SIGNAL	-130.00 to -115.00



CUSTOMER:	North Frontenac Fire
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TITLE:	RF PREDICTION MAPS
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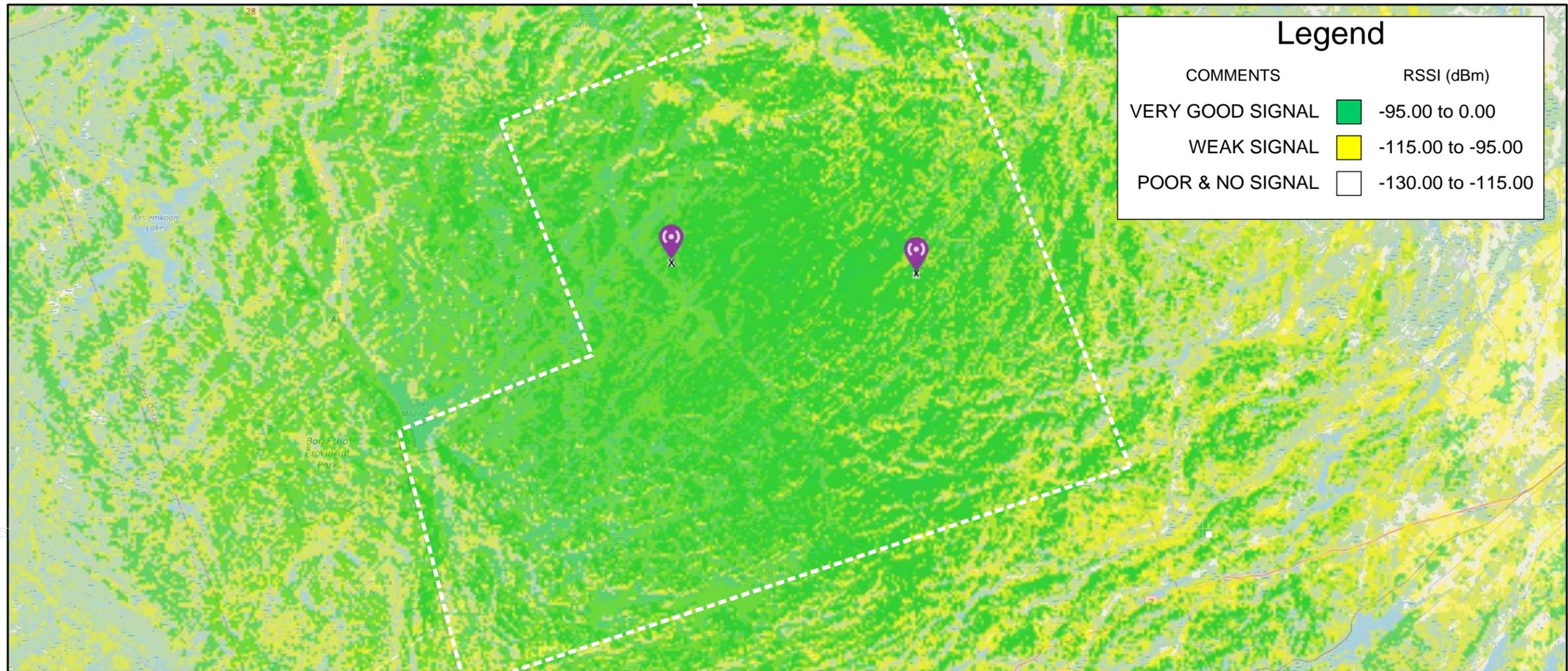
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DRAWN BY: Daniel Lafrance
DATE: September 30, 2022
Rev: 1.7

PG:	6
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BIG LAKE + OMPAH TWN SITES (MULTICAST)

TOWERS TO SUBSCRIBER (S) (DOWN-LINK)



CUSTOMER:
North Frontenac Fire

TITLE:
RF PREDICTION MAPS

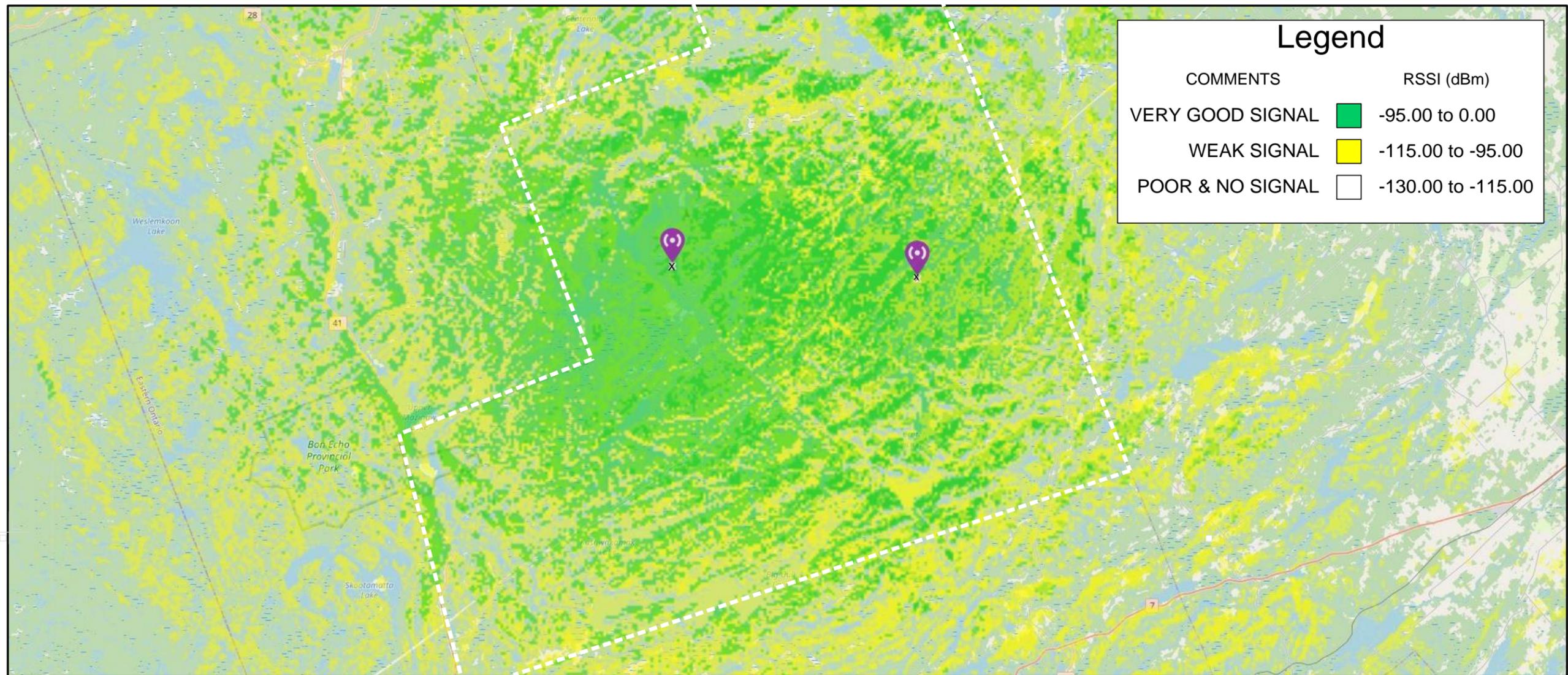
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LMR RADIO UPGRADE /
ROAD MAP

DRAWN BY: Daniel Lafrance
DATE: September 30, 2022
Rev: 1.7

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7

BIG LAKE + OMPAH TWN SITES (MULTICAST)

SUBSCRIBER (S) TO TOWERS (UP-LINK)



CUSTOMER:
North Frontenac Fire

TITLE:
RF PREDICTION MAPS

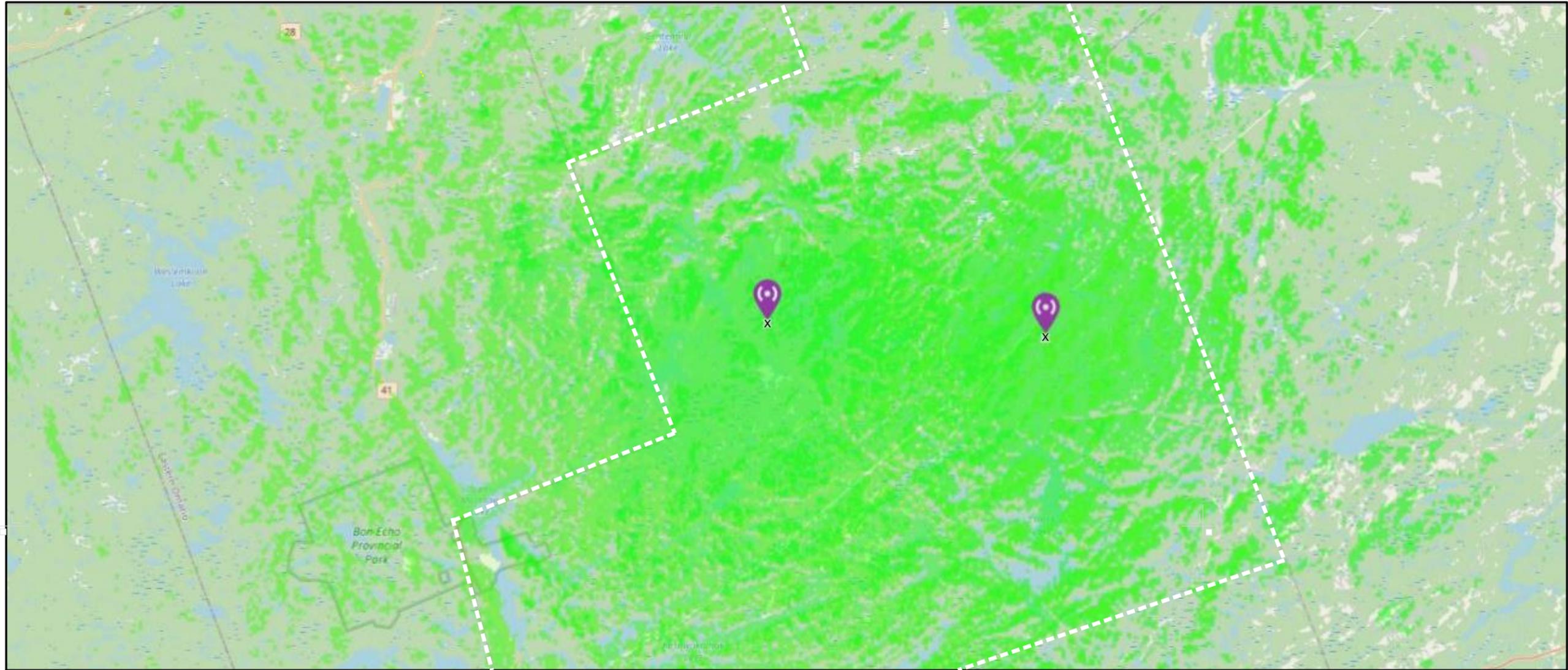
PROJECT:
LMR RADIO UPGRADE /
ROAD MAP

DRAWN BY: Daniel Lafrance
DATE: September 30, 2022
Rev: 1.7

PG:
8

BIG LAKE + OMPAH TWN SITES (MULTICAST)

SUBSCRIBER (S) TO TOWERS (UP-LINK)



FRONTLINE
COMMUNICATIONS
THE CLEAR CHOICE

CUSTOMER:

North Frontenac Fire

TITLE:

RF PREDICTION MAPS

PROJECT:

LMR RADIO UPGRADE /
ROAD MAP

DRAWN BY: Daniel Lafrance

DATE: September 30, 2022

Rev: 1.7

PG:

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Administrative Report

To: Mayor and Members of Council

From: Kelly Watkins, Treasurer

Recommended by: Corey Klatt, Dipl.M.A., Chief Administrative Officer

Date of Meeting: February 02, 2023

Re: 2023 Summary of the Ten (10) Year Capital Plan 2023-2032; Tangible Capital Asset (TCA) Replacement Schedules (planned spending) as amended

Background

Managers were provided with copies of their applicable Department(s) 2023 - 2032 Asset Management Plan Tangible Capital Assets (TCA) ten year Replacement Schedules for their review; the CAO and Treasurer met with the Managers collectively and have recommended changes to be considered by Council. (See copy attached)

Council Resolution #575-15 on October 26, 2015 states: "AND THAT the Managers are instructed to prepare briefing notes for any vehicle being replaced, explaining the reasons replacement is required". The briefing notes have been incorporated in the information below or applicable Manager's separate Administration Report(s).

Researched By

Corey Klatt, Dipl.M.A., Chief Administrative Officer

Kelly Watkins, Dipl.M.A, M.M., Treasurer

Brooke Hawley, Dipl.M.A., Manager of Community Development

Darwyn Sproule, P.Eng, Public Works Manager

Eric Korhonen, Director of Emergency Services/Fire Chief

Comments

Roads (Hard Surface) Needs

The Schedules have been updated for 2023 to 2032; specific roads are listed for 2023 and dollars estimated for years 2 – 10. Please note that the 10 Year Road Plan has been prepared based on information included in the 2019 Roads Needs Study Report (excluding guiderails) and reviewed annually by the Public Works Manager. A new Roads Needs Study was completed in 2022 and an initial draft

Treasurer Administrative Report
2023 Summary of the Ten (10) Year Capital Plan 2023-2032; Tangible Capital Asset (TCA)
Replacement Schedules (planned spending) as amended
February 2, 2023
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was just recently received, but still pending final draft, which will be shared with Council once received.

Over the ten (10) year period (2023-2032) the total capital cost (planned spending) for Roads Hard Surface projects is \$8,081,000. This is an increase of \$1,301,000 from the 2022-2031 planned spending that was estimated at 6,780,000.

Roads (Gravel) Needs

The Schedules have been updated for 2023 to 2032, specific roads are listed for 2023 and dollar estimates for years 2 – 10. This 10 Year Road Plan has been prepared based on the information included in the 2018 Gravel Roads Evaluation Study. The proposed spending has been based on an annual Grant from Ontario Community Infrastructure Fund (OCIF). A new Gravel Roads Needs Study was completed in 2022 and an initial draft was just recently received, but still pending final draft, which will be shared with Council once received.

Over the ten (10) year period (2023-2032) the total capital cost (planned spending) for Roads Hard Surface projects is \$3,737,000. This is an increase of \$713,000 from the 2022-2031 planned spending that was estimated at 6,780,000. The reason for this change is due to work required on Quakenbush Road and Struthadam Road.

See Admin Report included in Agenda per Res #400-22, regarding Quakenbush and Struthadam Roads.

Roads – Bridges & Culverts

D. M. Wills Associates Ltd. (Wills) were awarded a multi-year contract based on a joint Request for Proposal (RFP) issued by the Frontenac Townships in 2016 to conduct site inspections and evaluate the bridges and culverts in compliance with the Ontario Structure Inspection Manual (OSIM) and provide recommendations for repair and/or reconstruction requirements to maximize the structures lifespan.

Wills completed the required bi-annual OSIM inspections on our bridges and large culverts in 2022. Please note that this 10 Year Bridge/Culvert Plan has been prepared based on the 2022 preliminary OSIM Report. The final Report will be shared with Council once received.

Over the ten (10) year period the total costs are projected to be \$5,604,340 which is an increase of \$860,340 over 2022 that was estimated at \$4,744,000.

Roads – Vehicles & Equipment

Over the ten (10) year period the total costs are projected to be \$5,592,000 which is an increase of \$507,500 over 2022 which was estimated at \$5,084,500. This increase is due to the change in the market and the increased pricing on vehicles.

- Replace 2002 Backhoe Caterpillar
 - Hours: 7954 hours
 - Condition: Bushing in front end of loader and in backhoe unit is completely worn out, heater/AC does not work, cab is rotting, hydraulics do not have enough power to run boom/attachments, gauges do not work and needs tires
- Replace 1999 Wood Chipper
 - Condition: the unit lacks safety features/devices that are required under current safety standards.
- 1984 Float Trailer
 - Condition: replacement in 2023 recommended rather than 2030 due to the age of the trailer. The brakes and size of trailer are underrated for the size of the current backhoes in the fleet
- New Tractor and Attachments – Was approved in the 2022 10 Year Plan, the original estimate was based on a tractor with a rear or mid mount mower, able to do a 7 foot wide cut for grass and weeds. Quotes were obtained for a larger tractor with a boom mounted brush head to mow behind guiderails, reach ditch lines and able to cut light brush. The revised mower required a larger tractor and the mower was more costly but better suited to our needs. Cost has increased from 2022 estimate of \$150,000 to \$240,000
- Misc Equipment – is used for smaller pieces of equipment under \$5,000
- New item is a fuel tank and spreader for the Public Works Foreman's truck in the amount of \$15,000, previous truck had fuel tank but no spreader
- Replace generator for Ward 3 Garage – current unit is out of service and considered unrepairable
- Replace 2015 Freightliner scheduled for 2025 replacement. However, due to the current market conditions, delivery timelines are approx. 2 years from order date. Seeking council approval to tender in 2023 for 2025 delivery
 - Mileage: 95,302
 - Condition: significant rust on chassis and box, maintenance costs have increased (\$10,124 in repairs in 2022). To be replaced with combo unit with brine system with tanks built into box, cleaning and maintenance is easier

Waste – Vehicles & Equipment

Over the ten (10) year period the total costs are projected to be \$335,000.

- New Retrofit Sea container – required to work with new Truck
- New Waste Shelter Replacement at 506 Waste Site
 - Proposed to update one shelter per year
- Misc Equipment – is used for smaller pieces of equipment under \$5,000

Recycling – Vehicles & Equipment

Over the ten (10) year period the total costs are projected to be \$444,800.

- New Bear Wise Bins(4) with Stairs(2)
- Misc Equipment – is used for smaller pieces of equipment under \$5,000

Fire – Vehicles & Equipment

Over the ten (10) year period the total costs are projected to be \$1,982,500.

- 2015 Ford F150 4x4 (NFC531) (Asset #53770) Fire Chiefs Truck
 - Mileage: 187,000
 - Condition: needs tires, front struts, rear shocks, 4 wheel drive actuators are worn, brakes at 60%, emergency brake does not work. Due to mileage will require spark plugs, transmission service, front and rear diff and transfer case fluid change, significant rust underneath
- Pooled Bunker Gear, Fire hoses and misc equipment remain unchanged
- Self Contained Breathing Apparatus (SCBA) extended the program 2 years – to purchase additional packs and cylinders as we continue to transition to the new technology (lighter packs, extended air supply)
- Replace 2011 Ford F550 mini pumper (Ompah Station). Scheduled for 2026 replacement, with a pumper/tanker as approved in the Fire Master Plan (Res #262-18). However, due to the current market conditions, delivery timelines are approximately 3 years from order date. Seeking council approval to tender in 2023 for 2026 delivery. Cost has increased from 2022 estimate of \$500,000 to \$680,000.
 - Mileage: 26,712 (estimated mileage in 2026 34,250, based on average)
 - Condition: truck is in good shape at this time and should have a good resale value, once the new truck arrives. It would have an estimated surplus sale value of \$150,000 to \$200,000 based on todays market

Property Building Maintenance

Over the ten (10) year period the total costs are projected to be \$40,000.

- No replacements scheduled for 2023

Recreation

Over the ten (10) year period the total costs are projected to be \$92,000.

- Replace Trailer for multipurpose Tractor
 - Condition: trailer has significant rust and rot that is not repairable and requires replacement

- New rototiller attachment for Tractor
 - To be used on beaches and other recreational areas
- Replace Cloyne Rec Facility Bleachers
 - Condition: cement and wood construction has major deterioration and require replacement

MNR Parks

Over the ten (10) year period the total costs are projected to be \$196,000.

- No replacements scheduled for 2023

Protection

Over the ten (10) year period the total costs are projected to be \$92,000

- Communication Tower – Tower and equipment to service the Fire Department is being funded from Municipal Modernization Dollars. Proposal to add equipment to provide service to Roads, Recreation, etc. Partially funded from remaining Modernization dollars and Infrastructure Sustainability dollars.

See Admin Report included in Agenda

Buildings – All Departments

Building Condition Assessment Request for Proposal was issued and awarded to McIntosh Perry. A Presentation was provided to Council early 2022.

Barrie Community Hall – Replace basement level windows and reseal parking lot

Clar Mill Community Hall – New Cabinetry and replace floor in kitchen, reseal parking lot, repairs to slab at entrance

Ward 3 Public Works Garage –Exterior caulking material not completed in 2021/2022. Moved to 2023.

Municipal Office and Roads Garage – Replace outdoor condensing unit and overhead doors along east side of garage

Ompah Sand Shed – Rehab of sand shed, project from 2022 moved to 2023

Plevna Fire Hall –Replace exterior stairs at back of building

Plevna Library – Replace windows

Rink and Change house – Repairs to rink boards and upgrades for accessibility

MNR Parks Storage Garage – Exterior lighting

Ward 1 Garage (sand dome) – Concrete Slab upgrades

Ward 1 Garage – Replace exterior man doors (2), not completed in prior year, moved to 2023

Ompah Firehall – Roof Replacement

Financial Implications

Proposed Funding Section for Tangible Capital Asset Reserve Fund Projected Balances

This section reflects the Tangible Capital Asset (TCA) Reserve Fund Balance starting 2023 (based on 2022 year to date (pending final year end adjustments), the proposed contributions to the TCA Reserve Funds and proposed spending from the TCA Reserve Funds. This will show a projected estimated balance as of 2032.

To complete the Funding model the following assumptions have been made:

Canada Community Building Fund (CCBF)(Formerly called Federal Gas Tax)

The funding formula in the 10 year plan, makes an assumption that all of our CCBF Funding would be used for Capital Projects as well the funding to remain constant. Based on History 70% of the CCBF money has been used for Roads projects, the rest has been recreation, tourism, culture, Community energy systems and capacity building.

Ontario Municipal Partnership Fund (OMPF)

North Frontenac has annually contributed \$250,000 from Ontario Municipal Partnership Fund (OMPF) to our Asset Management Plan.

Ontario Community Infrastructure Fund (Formula Funding)

OCIF provides funding to eligible communities every year to help them renew and rehabilitate critical infrastructure, including roads, bridges, water and wastewater projects.

When OCIF was introduced, North Frontenac Council dedicated the funding to Gravel Road improvements (averaged around \$250,000-\$300,000 per year). In 2022 our funding was increased to \$650,690, therefore, \$303,000 was used for Gravel roads needs and \$347,690 for Kashawakamak Lake Road improvements.

2023 the allocations are based on a formula using the estimated Current Replacement Values (CRVs) for core infrastructure owned by municipalities, including roads and bridges and the municipality's economic conditions. The 2023 allocation is \$748,294,

For funding assumptions an amount of \$650,000 has been used, until 2027 as the commitment of this program has not been confirmed from the Province. Information sessions on the calculations, program, etc. are being held over the next few months to provide municipalities with more information.

Taxation

Direct Contributions by department to the Tangible Capital Asset program to remain steady at \$1,581,616 with increases based on new assets being acquired. An additional annual contribution of \$100,000 to the Infrastructure Sustainability Reserve Fund (used for all departments) from taxation, was put in place many years ago.

Per the 2013 Asset Management Plan it was determined that there should be an additional allocation based on prior years taxation of 2% (calculated annually based on the prior year's dollars to be raised - \$126,429 for 2022, 2023 would be \$130,671); the 2022 Asset Management Plan recommended a 2.7% annual increase, which would change the contribution for \$130,671 to \$307,077. However, with all of the pressures in front of us with the economic impact of Covid, the recommendation would be to consider an additional 1% to ensure we do not fall behind as well to help with increased costs.

Surplus Sale of Equipment

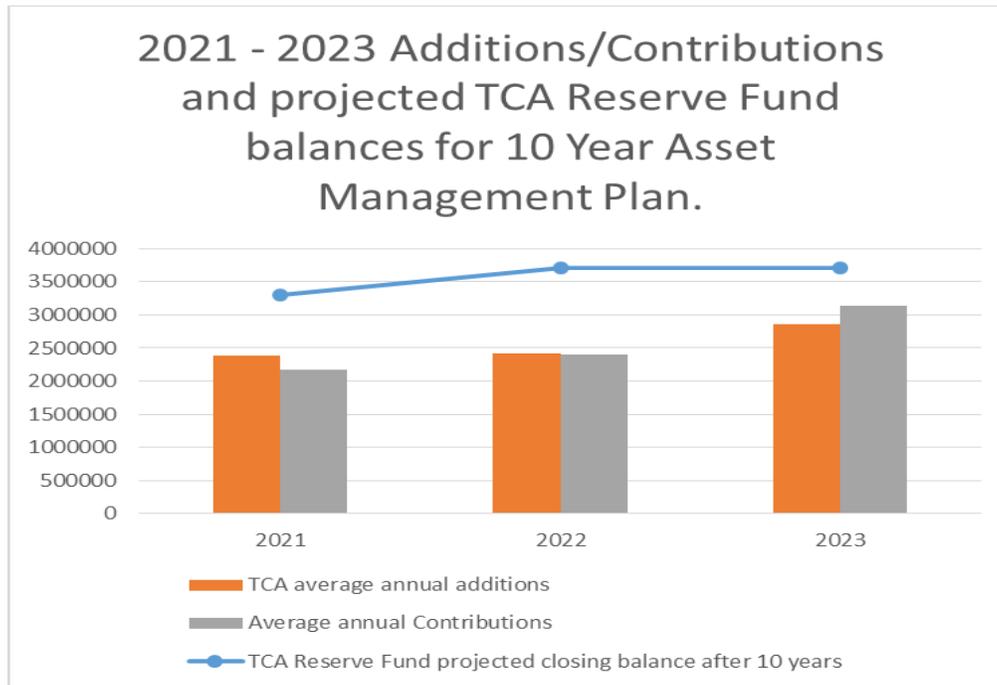
The projections of the value of the equipment that will be sold as surplus is not included in the financial projections at this time. However, any funds received for the sale of vehicles/equipment is placed in the applicable departments Reserve Fund.

Summary

2022 Average Annual Spending (2022-2031)	\$2,419,277
2023 Average Annual Spending (2023-2032)	<u>\$2,866,729</u>
Difference between 2022 and 2023	\$ 447,452 or 18.50%

Based on the current proposed spending and the current balances in the Tangible Capital Asset Reserve Funds plus Federal Gas Tax we are able to fund the current program. However, consideration should be given to increase the contributions to the TCA Reserve Funds based on the significant increase in market prices. The option to increase can be discussed during the Operating budget deliberations.

A review of the newest studies for roads and bridges will be provided to Council at a later date to review the 2024 – 2029 proposed spending to ensure funding is adequate to fund the planned projects.



Recommendation

Be It Resolved That Council receive the Treasurer’s Administrative Report entitled “North Frontenac 2023 Summary of the Ten (10) Year Capital Plan 2023-2032, TCA Replacement Schedules (planned spending)” for information purposes;

And That Council approves the 2023 Summary of the 10 Year Capital Plan (2022 – 2032) Tangible Capital Asset (TCA) Replacement Schedules (planned spending);

And That Council authorizes the CAO and Managers to proceed with the applicable 2023 TCA Capital Purchases/Tenders (in accordance with these Schedules and the Procurement By-law);

And That Council authorizes the CAO and Director of Emergency Services to Tender in 2023 for the 2026 replacement of the 2011 Ford F550 mini pumper, due to delays in manufacturing (3 years from order date to delivery date);

And That Council authorizes the CAO and Public Works Manager to Tender in 2023 for the replacement of the 2015 Freightliner Tandem Truck in 2025, due to delays in manufacturing (2 years from order date to delivery date).

Enclosures (1)

- 2023 Summary of the 10 Year Capital Plan (2023 – 2032) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)											
<i>North Frontenac's 10 year projected infrastructure investment asset requirements using replacement costs. (The Treasurer</i>											
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	total
Roads											
Roads (hard surfaced) needs	742,000	800,000	800,000	795,000	882,000	822,000	810,000	810,000	810,000	810,000	8,081,000
Roads (gravel) needs	326,000	370,000	370,000	451,000	370,000	370,000	370,000	370,000	370,000	370,000	3,737,000
Bridges/culvert needs	1,242,325	0	580,000	520,000	870,000	0	365,000	60,000	700,000	900,000	5,237,325
Vehicles / Equipment	1,325,000	510,000	845,000	535,000	685,000	410,000	510,000	782,000	15,000	395,000	6,012,000
Roads Total	3,635,325	1,680,000	2,595,000	2,301,000	2,807,000	1,602,000	2,055,000	2,022,000	1,895,000	2,475,000	23,067,325
Buildings **NEW** All Departments	106,979	83,740	129,998	277,522	230,184	160,200	150,000	150,000	150,000	150,000	1,588,623
Waste Vehicles / Equipment	55,000	77,500	40,000	155,000	5,000	5,000	5,000	5,000	27,500	5,000	380,000
Recycling Vehicles / Equipment	85,000	19,800	5,000	305,000	444,800						
Fire Vehicles / Equipment	96,000	31,000	91,000	742,000	31,000	31,000	31,000	196,500	719,000	19,000	1,987,500
MNR Parks Vehicles / Equipment	0	60,000	0	74,000	0	44,000	18,000	0	0	0	196,000
Property / Building Vehicles / Equipment	0	0	0	0	0	0	40,000	0	0	0	40,000
Recreation Vehicles / Equipment	14,800	22,500	14,000	0	24,000	10,000	24,000	0	62,500	0	171,800
Streetlights	0	0	0	0	0	78,812	0	0	0	0	78,812
Building Department Vehicle	0	55,000	0	0	0	0	0	0	55,000	0	110,000
Protection	262,429	0	262,429								
Administration Electronic Systems	34,000	340,000									
Proposed TCA Additions	\$4,289,533	\$2,063,540	\$2,908,998	\$3,588,522	\$3,136,184	\$1,970,012	\$2,362,000	\$2,412,500	\$2,948,000	\$2,988,000	\$28,667,289

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	total
Tangible Capital Asset Reserve Fund Projected Balances (proposed funding) **											
Tangible Capital Asset Reserve Fund											
Opening Balance	4,820,330	3,901,799	4,876,150	5,007,710	4,462,464	4,372,329	4,801,195	4,840,959	4,833,166	4,292,875	
Federal Gas Tax Municipal portion	62,812	62,812	62,812	62,812	62,812	62,812	62,812	62,812	62,812	62,812	
Federal Gas Tax County	133,750	133,750	133,750	133,750	133,750	133,750	133,750	133,750	133,750	133,750	
OMPF - Township allocated	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	
Infrastructure Sustainability Contribution	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	
OCIF - Formula Funding	748,294	650,000	650,000	650,000	650,000	0	0	0	0	0	
Taxes	1,708,045	1,708,045	1,708,045	1,708,045	1,708,045	1,708,045	1,708,045	1,708,045	1,708,045	1,708,045	
2% to Infrastructure Sustainability	130,671	133,284	135,950	138,669	141,442	144,271	147,157	150,100	153,102	156,164	
Municipal Modernization dollars for Communication Tower	237,430	0	0	0	0	0	0	0	0	0	
Total Contributions	\$3,371,002	\$3,037,891	\$3,040,557	\$3,043,276	\$3,046,049	\$2,398,878	\$2,401,764	\$2,404,707	\$2,407,709	\$2,410,771	
Proposed TCA Additions	-4,289,533	-2,063,540	-2,908,998	-3,588,522	-3,136,184	-1,970,012	-2,362,000	-2,412,500	-2,948,000	-2,988,000	
Projected closing balance (not including interest)	\$3,901,799	\$4,876,150	\$5,007,710	\$4,462,464	\$4,372,329	\$4,801,195	\$4,840,959	\$4,833,166	\$4,292,875	\$3,715,646	
<p>Note: See the attached details/pages for complete breakdown of each category. The 10 Year Capital Plan Replacement Schedules were approved by Council as part of the Township's Asset Management Plan in 2013 and annually, as per the Auditor, the Managers review the Schedules and adjust /modify the Schedules where necessary or logical to do so, based on condition and use. Also, the schedules allow for the annual CPI adjustments.</p>											
<p>** NOTE - the following assumptions were made for the proposed funding:</p> <ul style="list-style-type: none"> - Tangible Capital Asset Reserve fund Opening Balance based on the 2022 approved budget closing balances - All Federal Gas Tax Funds would be used for Capital Projects - That North Frontenac will continue to contribute \$250,000 from OMPF Funding annually - Annual Infrastructure Sustainability Reserve Fund Contribution from taxation - Ontario Community Infrastructure Fund (Formula Funding) 2021 Fall Economic Statement, the Ministry had received approval to provide additional funding of \$1 billion through OCIF over 5 years starting in 2022. Allocation pasted 2023 to be circulated by the end of the year. - Contribution from taxes to remain steady with a slight annual increase in the 2% per our current Asset Management Plan (calculated annually based on the prior years dollars to be raised) - Contribution from taxes to increase for new assets 											

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)													
<u>Roads - Surface Treatment and Upgrades</u>		2019 to 2023 projects as proposed in the 2018 Roads Condition Assessment prepared by D.M. Wills. The 10 Year Capital Plan is reviewed annually by Public Works Manager and presented to Council for approval. 2024 to 2030 are estimates based on average (2019-2023).											
ROAD NAME	Description	ID#	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Ardoch Road	.44km		35,000										
Ardoch Road	3.65km												
Canonto Road	3.2km												
Henderson Road	1.1km		180,000										
Jewel Road	.35km		50,000										
Kashwakamak Lake Rd	.2 km												
Kashwakamak Lake Rd	3km												
Little Pond Road	.35km		50,000										
Lodge Road	.55km												
Myers Cave Road	3.66km												
Road 506	7.09 km												
Road 506	2.39km												
Road 506	11.77km												
Road 506	.17km												
Road 506	1.9 km												
Road 509	1.0 km												
Road 509 (CF Boundary)	2 km		202,000										
Road 509	2.4 km		145,000										
Shabomeka Lake Road	2.0km												
Skootamatta Lake Rd (50% share boundary Road)	1.5 km												
Skootamatta Lake Rd (50% share boundary Road)	1.8km												
Smith Road (completed in 2018)	1.1km												
estimate for future years				750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	
Guide Rail Program			80,000	50,000	50,000	45,000	132,000	72,000	60,000	60,000	60,000	60,000	
Total Costs			742,000	800,000	800,000	795,000	882,000	822,000	810,000	810,000	810,000	810,000	

Respectfully submitted to Council by: Kelly Watkins, Treasurer - February 2, 2023

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)												
Roads - Gravel		2019 to 2023 projects as proposed in the 2018 Gravel Roads Study prepared by D.M. Wills. The 10 Year Capital Plan is reviewed annually by Public Works Manager and presented to Council for approval. 2024 to 2031 are estimates based on average (2019-2023). Gravel Roads Study to be updated in 2022.										
ROAD NAME	Description	ID#	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
Arcol Road	2.5km		35,000									
Austris Road	1.95km	405										
Austris Road	.60km	404										
Crotch Lake Access Road	1.09km	402										
Cruise Road												
Delyea Road	.47km	462										
Folger Road	3.71km	417										
Gemmill Road			27,000									
Guthienz Road	2.00km	427										
Head Road												
Hills Lake Road	2.40km	440										
James Road	.44km	438										
Ladyslipper Road	.30km	463										
Lake Road	.50km	473										
Levere Road	.30km	454										
MacDonald Road	.71km	421										
Marble Lake Road	4.40km	453										
Martelock Road	.10km	444										
Mississagagon Lake Road	.40km	468										
Morrow Road						81,000						
Mountain Road	4.20km	433										
Quackenbush Road			50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Russ Brown Road	2.70km	448										
Schonauer Road			10,000									

Respectfully submitted to Council by: Kelly Watkins, Treasurer - February 2, 2023

Shabomeka Lake Road	3.15km	451										
Shiner Road	3.70km	401										
Smarts Road	.25km	455										
South Road			28,000									
South Bush Road			85,000									
Spencer road	.94km	466										
St.Pierres Road	.20km	409										
Struthadam Road	1.56km	443	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Sunday Lake Dr	3.4km	471										
Swauger Lake Road	.30km	426										
Twin Oaks Road												
Veley Road	.68km	458										
Wellman Road	.28km	452										
Wilbur Road	4.33km	415										
Wintergreen Road	5.6 km		71,000									
estimates for future years				300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Total Costs			326,000	370,000	370,000	451,000	370,000	370,000	370,000	370,000	370,000	370,000

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)											
Bridges & Culverts											
Bridge/Culvert Name	#	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Antome Creek	C21										
Arcol Road Bridge	B22	350,000									
Ardoch Road Bridge	B11	426,000									
Ardoch/Malcolm Lakes Culvert	C12							365,000			
Black Creek	C17										
Browns Creek	C05										
Buckshot Creek Bridge	B10										
Buckshot Creek Bridge	B8										
Buckshot Creek Bridge	B6										900,000
Buckshot Creek Culvert (509)	C9										
Buckshot Lake Road Bridge	B4									700,000	
Canonto Road Culvert	C23				260,000						
Coxvale Bridge	B13	466,325									
Folger Road Bridge #1	B25										
Folger Road Bridge #2	B26					870,000					
Head Road Bridge	B1										
Mississippi River Bridge	B14										
Morrow Road Bridge	B16								60,000		
Mountain Chute Bridge	B27				260,000						
Myer Cave Bridge	B22										
River Road Culvert	C15										
Road 509 (non-structural)											
Shiner Road	B19										
Shiner Road - engineering only											
Swamp Creek Culvert	C7										
Swamp Creek Culvert	C3			580,000							
Addington Road 4 Culvert (50% share - boundary road)											
Total Cost		1,242,325	-	580,000	520,000	870,000	-	365,000	60,000	700,000	900,000

Respectfully submitted to Council by: Kelly Watkins, Treasurer - February 2, 2023

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)												
Roads/Waste/Recycling - Vehicles & Equipment			2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Roads	Asset#	ROAD VEHICLES										
SV08-1	53200	2008 Ford F550 CH CB 4x4 - Mechanics Vehicle		65,000								
T08-1	53606	2008 Sterling Tandem Plow/Wing/Sanderbox										
T15-1	53614	2015 Freightliner Tandem Truck			380,000							
T16-1	6-53615	2016 Freightliner Tandem 114SD				380,000						
T17-1	53209	2017 Freightliner Tandem 114SD					380,000					
T18-1	53616	2018 Freightliner Tandem 114SD						380,000				
T20-1		2020 Freightliner Tandem 114SD							380,000			
		2021 to replace T10-1 (53607)								380,000		
		2023 International Tandem HV613 (ordered not received)	380,000									380,000
		2023 International Tandem HV613 (ordered not received)	380,000									
P22-1		2022 Chev 3/4 Ton 4X4 - PWF							70,000			
	NEW	Fuel Tank and Spreader for P22-1 - PWF truck	15,000						15,000			
P16-1	53317	2016 Ford Super Duty F350		100,000								
P17-1	53210	2017 Ford Super Duty F350			100,000							
P18-1	53617	2018 Ford Super Duty F350				100,000						
P19-1	53620	2019 Ford Super Duty F350					100,000					
P21-1	53808	1/2 Ton Truck (shared with MNR Parks)							30,000			
WT88-1	53742	1988 Ford Water Truck					60,000					
SUV19-1	53621	2019 - Ford Escape - PWM SUV				40,000						
ROADS EQUIPMENT												
B16-1	53107	2016 Backhoe/Loader - CAT 420 F IT (replace 2036)										
L12-1	53613	JD 544 Loader (replace 2030)								285,000		
G94-1	53205	1994 Grader Caterpillar Articulated			330,000							
G14-1	53316	2014 Grader - CAT 140M Series 2 (replace 2036)										
G18-1	53618	2018 Grader - CAT 140M Series 3 (replace 2040)										
B02-1	53206	2002 Backhoe Caterpillar 420D IT	180,000									
D996-1	6-53605	Dozer - CAT D5H (replace 2027)						100,000				
E05-1	53310	Excavator Caterpillar 315L			300,000							
EH05-1	81032	Hammer for E05-1 H120 CAT (replace 2030)								60,000		
CH99-1		1999 Wood Chipper	75,000									
F096-2	6-53608	Milano Air Brake Float Trailer			50,000							
F84-1	53306	1984 12 Ton Float Trailer	25,000									
F986-1	6-53604	Float Trailer - Homemade 20T (replace 2030)								30,000		
SJ15-1	53318	2015 Steam Jenny					15,000					
SJ17-1	53320	2017 Steam Jenny						15,000				
SJ14-1	53321	2014 Steam Jenny					15,000					
	81062	Pot Hole Patcher / Pavement Edgers (replacement 2030)								12,000		

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)												
Roads/Waste/Recycling - Vehicles & Equipment												
			2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	NEW	Tractor and Attachments	240,000									
		Generator - ward 3 garage	20,000									
		Misc. Small Machinery and Equipment - Roads	10,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
		Sub-Total Vehicles / Equipment	1,325,000	510,000	845,000	535,000	685,000	410,000	510,000	782,000	15,000	395,000
		Waste										
		Misc. Small Machinery and Equipment - Waste	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
LC99-1	53805	1999 Caterpillar Waste Compactor replacement of Caron Wheels				150,000						
	53700	Purchase of FC Ranger for Privy/Trail/Beaches (replace with Used Vehicle) - 50% waste/recycling										
		Truck for Privy/Trail/Beaches (replace with Used Vehicle) - 50% waste/recycling		22,500							22,500	
WJD83-1	53802	Crawler / Loader (John Deer 555)										
	2022	Retrofit Sea containers										
	NEW	Retrofit Sea containers	15,000									
	NEW	Retrofit Sea containers		15,000								
		Waste Shelter Replacement @ 506 Waste Site	35,000									
		Waste Shelter Replacement @ Plevna Waste Site		35,000								
		Waste Shelter Replacement @ Cloyne Waste Site			35,000							
		Sub-Total Vehicles / Equipment	55,000	77,500	40,000	155,000	5,000	5,000	5,000	5,000	27,500	5,000
		Recycling										
		Misc. Small Machinery and Equipment - Recycling	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
REC99-1	53806	2022 Truck										300000
COM-1	53803	TRI PACK COMPACTOR 10 H.P., 40 YARD ROLL OFF		14,800								
	2020	81047 Bear Wise Bin (replacment 2035)										
	2020	81048 Bear Wise Bin (replacment 2035)										
	2020	81064 Bear Wise Bin (replacment 2035)										
	2021	Bear Wise Bin (replacement 2036)										
	2021	Bear Wise Bin (replacement 2036)										
	2021	Bear Wise Bin (replacement 2036)										
	2022	Bear Wise Bin with stairs (replacement 2037)										
	2022	Bear Wise Bin with stairs (replacement 2037)										
	2022	Bear Wise Bin with stairs (replacement 2037)										
	NEW	Bear Wise Bin with stairs	23,000									
	NEW	Bear Wise Bin with stairs	23,000									

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)												
Roads/Waste/Recycling - Vehicles & Equipment												
			<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
	NEW	Bear Wise Bin	17,000									
	NEW	Bear Wise Bin	17,000									
		Re-use Centre 20' Container & Footings (replacement 2040)										
		Sub-Total Vehicles / Equipment	85,000	19,800	5,000	5,000	5,000	5,000	5,000	5,000	5,000	305,000
		Total	1,465,000	607,300	890,000	695,000	695,000	420,000	520,000	792,000	47,500	705,000

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)												
Fire - Vehicles & Equipment												
Fire	Item	Description	Station Vehicle #'s									
			2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
			- Ompah Station	521 - Snow Road Station	531 - Clar Mill Station							
WL531	53763	2009 Ford F350 Crew Cab Wild Fire *** do not surplus, replace in 2025 with 1/2 Ton Truck			60,000							
SWL521	53771	2018 Walk Around Rescue (replace 2033)										
SWL511	53772	2019 Walk Around Rescue (replace 2034)										
SWL531	53773	2020 Walk Around Rescue (replace 2035)										
T531	53725	1996 Ford Tanker										
T521	53767	2013 Vacuum Tanker (replacement 2041)										
P531	53761	2009 International Pumper (replacement 2036)										
P521	53758	2007 E-One tradition Pumper (replacement 2031)								700,000		
P511	53766	2011 Ford F 550 Mini Pumper (replacement 2026 with pumper/tanker)				680,000						
ATV531	53764	2011 CAN AM Outlander Max 800XT ATV				25,000						
ATV511	53747	2009 CAN AM 800 XT Outlander ATV (Do Not Replace)										
ATV521	53745	2006 Arctic Cat Four Wheeler (DO NOT REPLACE)										
UTL511	53746	2006 4 wheeler Trailer				3,000						
UTL521	53765	2009 Stirling 5x10 Trailer								3,000		
UTL531	53768	2011 Curtis Trailer				3,000						
	53756	2006 Gull Lake Boat Trailer								2,500		
UTLM531	53776	Marine Boat								5,000		
M511	53757	Float Trailer Admiral Drive Systems w/ Mercury Outboard 30 (2032)										
NFC531	53770	2015 Ford F150 4x4	65,000									
UV521	53774	2020 Fire Utility Truck (replacement in 2030)								60,000		
UV511	53775	2020 Fire Utility Vehicle (SUV) (replacement 2030)								60,000		
	81097	Air Fill Station / Compressor Replacement (replacement 2030)								35,000		
	81074	Extrication Combination Tool (replacement 2035) Auto extrication equipment (currently in Snow Road) replace with pneumatic or electric hydraulic tool (replacement 2040)										
		All Pooled Bunker Gear and Protective Clothing will be annually replaced / updated as necessary	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9000
		All Pooled Fire SCBAs will be annually replaced / updated as necessary therefore using an average anticipated cost per year of \$12,000 until 2028	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	-	-

Respectfully submitted to Council by: Kelly Watkins, Treasurer - February 2, 2023

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)												
Fire - Vehicles & Equipment												
			Station Vehicle #'s	- Ompah Station	521 - Snow Road Station	531 - Clar Mill Station						
Fire	Item	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
		All Pooled Fire Hoses and Nozzles will be annually replaced / updated as necessary	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5000
		All Pooled Fire Machinery / Misc. General Equipment (including storage equipment) will be annually replaced /	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5000
		Total fire department	96,000	31,000	91,000	742,000	31,000	31,000	31,000	196,500	719,000	19,000

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)												
Miscellaneous Other Assets												
Item		Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
		Building Department										
BD16-1	53401	2016 Ford F150		55,000							55,000	
		Total Vehicles / Equipment	0	55,000	0	0	0	0	0	0	55,000	0
		MNR Parks										
P10-1	53009	2010 Ford 150 Crew Cab - (transfer from road 2012)		60,000								
CLSP19-1	53912	2019 Ford F150 Supercab				60,000						
		1/2 Ton Truck (shared with Roads)						30,000				
	53702	Dump Trailer (shared with Recreation)							4,000			
MB10	53903	14' Boat (not to be replaced)										
		9.9 HP O/B Motor (not to be replaced)										
MB20	53904	25 HP Johnson O/B Motor (spare)										
	53914	14' Lund Boat - (2019)				6,000						
	53915	Trailer for 14' Lund - (2019)				2,000						
	53918	25 HP Evinrude (2019)				6,000						
		2021 16' Jon Boat						6,000				
		2021 for 16' Jon Boat						2,000				
		202125 HP motor						6,000				
		2022 16' Lund Boat							6,000			
		2022 Trailer for 16' Lund							2,000			
		2022 25 HP motor							6,000			
		Total Vehicles / Equipment	0	60,000	0	74,000	0	44,000	18,000	0	0	0
		Streetlights										
	84002	Streetlights Replacement						78,812				
		Total Vehicles / Equipment	0	0	0	0	0	78,812	0	0	0	0

2023 Summary of the 10 Year Capital Plan (2022 - 2031) Tangible Capital Asset (TCA) Replacement Schedules (planned spending)											
Miscellaneous Other Assets											
Item	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Property Building										
C22-1	2022 Ford Escape (red)							40000			
	Total Vehicles / Equipment	0	0	0	0	0	0	40,000	0	0	0
	Recreation										
	Truck for Privy/Trail/Beaches - 50% waste/recycling		22,500							22500	
53011	Multi-Purpose Equipment (Tractor)					24,000					
	Multi-Purpose Equipment (Trailer)	5,000									
	New Rototiller attachment for Tractor	3,000									
	Dump trailer (shared with MNR)							4,000			
	Tappings Dock Expansion			14,000							
	Cloyne Rec Facility Bleachers	6,800									
	Cloyne Rec Facility Lighting						10000				
	Cloyne Rec Facility - Basebal Diamond Fencing							10000			
	Cloyne Rec Facility - Tennis Court Fencing							10000			
	Plevna Playground Equipment									40000	
	Total Equipment	14,800	22,500	14,000	0	24,000	10,000	24,000	0	62,500	0
	Protection										
	Generator Mobile Unit for Alternate EOC (replacement 2033)										
	Communication Tower (additional equipment for new tower 2022)	262,429									
	Total Protection	262,429	0								
	Electronic Systems										
	Pooled Computer Equipment (includes phone system, computer server and hardware, photocopier, postage meter etc)	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000
	Total Equipment	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000

Respectfully submitted to Council by: Kelly Watkins, Treasurer - February 2, 2023

Facilities/Buildings	Description	Description of work	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Grand Total
Barrie Community Hall, Office, Library	Exterior Windows	Replacement of basement level windows.	\$4,350										\$4,350
	General	Allowance for upgrades to facility.			\$5,743								\$5,743
	Gutters and Downspouts	Replace rainwater gutters and downspouts.				\$7,890							\$7,890
	Moisture Protection	Allowance for potential repairs to the basement waterproofing system.					\$44,099						\$44,099
	Parking Lots	Allowance for repair of pavement based on 10% of the area.	\$9,600										\$9,600
	Perimeter Drainage and Insulation	Allowance for potential repair of perimeter drainage and insulation at 15 year intervals.					\$4,780						\$4,780
	Upper Floors Construction	Allowance for potential repairs and upgrading at 20 year intervals.					\$5,378						\$5,378
Barrie Fire Hall	Exterior Windows	Replacement of older (1994) window units.			\$2,240								\$2,240
	General	Allowance for upgrades to the facility.						\$10,200					\$10,200
	Infra-Red Heaters	Replacement of infra-red heaters.				\$10,545							\$10,545
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.			\$13,000								\$13,000
	Waste Piping	Major repairs/replacement are not anticipated within the term of this study.		\$2,760									\$2,760
Clar Mill Community Hall	Cabinetry	Replace old kitchen cabinetry	\$10,000										\$10,000
	Electrical Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$4,183						\$4,183
	Electrical Service and Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$3,944						\$3,944
	Exterior Stairs and Fire Escapes	Replacement of exterior stairs.		\$5,068									\$5,068
	Flooring (vinyl sheet)	Replace flooring in kitchen	\$3,000										\$3,000
	Flooring (wood)	Refinish flooring.		\$3,761									\$3,761
	Lavatories	Replacement of lavatories.				\$5,155							\$5,155
	Lighting and Branch Wiring	Allowance for potential repairs and upgrading at 20 year intervals.					\$3,227						\$3,227
	Parking Lots	Allowance for repair of traffic surface at parking areas, based on 10% of area - 4 year cycle .	\$10,000										\$10,000
	Pedestrian Paving	Allowance for repairs.				\$5,858							\$5,858
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.				\$2,929							\$2,929
	Standard Slab on Grade	Allowance for potential repairs to slab on grade at 20 year intervals.	\$6,500										\$6,500
	Standard Wall Foundations	Allowance for potential localized repairs to foundation at 20 year intervals.					\$5,975						\$5,975

Facilities/Buildings	Description	Description of work	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Grand Total
Harlowe Community Hall	Cabinetry	Replacement of cabinetry and countertops.		\$14,000									\$14,000
	Electrical Service and Distribution	Allowance for upgrading of electrical service.			\$3,446								\$3,446
	General	Allowance for upgrades to Barrier Free access - ramp costs						\$40,000					\$40,000
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.				\$2,929							\$2,929
MNR Administrative Office	Basement Wall Construction	Allowance for repair of the basement walls at 20 year intervals.		\$13,514									\$13,514
	Domestic Water Supply Equipment	Replacement of electric hot water tank heater.					\$3,197						\$3,197
		Upgrading of water supply service.					\$5,975						\$5,975
	Exterior Stairs and Fire Escapes	Repair of concrete forming main entrance steps.											
		Replacement of wood landing at entrance steps.					\$3,227						\$3,227
	Exterior Windows	Replacement of window units.											
	Forced Air Furnaces	Replacement of oil-fired Thermo furnace.		\$6,194									\$6,194
	Gutters and Downspouts	Installation of rainwater gutters, downspouts and extensions.				\$2,710							\$2,710
	Roof Covering	Replacement of asphalt shingles.				\$2,953							\$2,953
Municipal Office and Roads Garage	Condensing Units	Replacement of outdoor condensing unit.	\$4,140										\$4,140
	Electrical Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$4,183						\$4,183
	Electrical Service and Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$14,311						\$14,311
	Infra-Red Heaters	Replacement of infra-red heaters.					\$9,949						\$9,949
	Lighting and Branch Wiring	Allowance for potential repairs and upgrading at 20 year intervals.					\$3,227						\$3,227
	Overhead Doors	Replacement of overhead doors along the east side of the garage.	\$6,205										\$6,205
	Roof Covering	Replacement of the sloped metal panels covering the gable roof.				\$194,870							\$194,870
	Site Lighting	Replacement of exterior lighting fixtures.					\$5,975						\$5,975
	Standard Wall Foundations	Allowance for potential repairs to foundation at 20 year intervals.					\$4,183						\$4,183

Facilities/Buildings	Description	Description of work	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Grand Total
Ompah Sand Shed	Exterior Wall Construction	Re-painting and localized fastener replacement.	\$17,000										\$17,000
	Pitched Roof Construction	Allowance for repair of load bearing wood stud walls supporting roof trusses.	\$5,000										\$5,000
	Standard Slab on Grade	Allowance for potential repairs to the concrete floor slab at 10 year intervals.	\$9,000										\$9,000
	Standard Wall Foundations	Repair of concrete forming foundation walls.	\$12,500										\$12,500
Plevna Fire Hall	Condensing Units	Replacement of outdoor condensing unit.			\$5,100								\$5,100
	Domestic Water Supply Equipment	Replacement of electric hot water tank heater.			\$3,073								\$3,073
	Electrical Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$4,183						\$4,183
	Electrical Service and Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$3,944						\$3,944
	Exterior Stairs and Fire Escapes	Replacement of exterior stairs.	\$12,000										\$12,000
	Forced Air Furnaces	Replacement of furnace.					\$6,573						\$6,573
	Gutters and Downspouts	Replacement of gutters and downspouts.				\$3,035							\$3,035
	Infra-Red Heaters	Replacement of infra-red heaters.					\$10,756						\$10,756
	Lighting and Branch Wiring	Allowance for potential repairs and upgrading at 20 year intervals.					\$3,227						\$3,227
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.				\$2,929							\$2,929
	Site Lighting	Replacement of exterior lighting fixtures.					\$2,928						\$2,928
	Standard Slab on Grade	Allowance for potential repairs to slab on grade at 20 year intervals.					\$2,390						\$2,390
	Standard Wall Foundations	Allowance for potential repairs to foundation at 20 year intervals.					\$3,585						\$3,585
	Water Closets	Replacement of water closets.			\$2,100								\$2,100
Plevna Library	Domestic Water Supply Equipment	Upgrading of water supply service.				\$5,858							\$5,858
	Exterior Windows	Replacement of window units.	\$7,200										\$7,200
	General	Allowance for upgrades to Barrier Free access			\$17,230								\$17,230
	Roof Covering	Replacement of the asphalt shingles.			\$8,341								\$8,341
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.				\$2,929							\$2,929

Facilities/Buildings	Description	Description of work	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Grand Total
Plevna Salt-Sand Shed	Exterior Wall Construction	Re-painting and localized fastener replacement.			\$20,297								\$20,297
	Pitched Roof Construction	Allowance for repair of load bearing wood stud walls supporting roof trusses.			\$6,065								\$6,065
	Standard Slab on Grade	Allowance for potential repairs to the concrete floor slab at 10 year intervals.		\$13,176									\$13,176
Rink and Change House	Exterior Wall Construction	Replacement of the vinyl siding											
	Fences and Gates	Allowance for periodic repairs to the rink boards.	\$5,500				\$6,000						\$11,500
	General	Allowance for upgrades to comply with barrier free access requirements.	\$5,500										\$5,500
Snow Road Community Hall	Electrical Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$4,183						\$4,183
	Exterior Windows	Replacement of older wood framed windows with weathered frames.					\$1,165						\$1,165
		Replacement of the remainder of older windows at the centre and south sections.					\$3,884						\$3,884
	Moisture Protection	Allowance for potential repairs to the basement waterproofing system.		\$11,000									\$11,000
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.					\$3,299						\$3,299
Snow Road Fire Hall	Exterior Wall Construction	Re-painting and localized fastener replacement.											
	Exterior Windows	Replacement of window units.					\$3,884						\$3,884
	Overhead Doors	Replacement of sectional overhead doors.					\$11,497						\$11,497
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.					\$2,929						\$2,929
	Site Lighting	Replacement of exterior lighting fixtures.					\$2,091						\$2,091
	Standard Slab on Grade	Allowance for potential repairs to slab on grade at 20 year intervals.		\$2,027									\$2,027
Storage Garage - MNR Parks	Electrical Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$4,183						\$4,183
	Electrical Service and Distribution	Allowance for potential repairs and upgrading at 20 year intervals.					\$5,378						\$5,378
	Gutters and Downspouts	Replacement of gutter and downspouts					\$1,813						\$1,813
	Lighting and Branch Wiring	Allowance for potential repairs and upgrading at 20 year intervals.					\$4,780						\$4,780
	Site Lighting	Replacement of exterior lighting fixtures.	\$5,550										\$5,550

Facilities/Buildings	Description	Description of work	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Grand Total
Ward 1 Garage	Domestic Water Supply Equipment	Installation of water treatment system.					\$5,975						\$5,975
	Infra-Red Heaters	Replacement of the infra-red heaters in the garage area.											
	Overhead Doors	Replacement of sectional overhead doors.		\$16,251									\$16,251
	Parking Lots	Allowance for repairs to the pavement.	\$5,000										\$5,000
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.											
	Standard Slab on Grade	Allowance for potential repairs to slab on grade at 10 year intervals.											
	Well Systems	Installation of a new drilled well.					\$11,951						\$11,951
	Exterior	Replace Caulking Materials and exterior man door		\$12,000									\$12,000
	Doors	Replace 2 man doors	\$5,000										\$5,000
	Underground Fuel Tanks	Removal of Underground fuel Tanks	\$25,000										\$25,000
Ward 1 Garage - Sand Dome	Exterior Wall Construction	Replacement of the fabric covering.			\$19,643								\$19,643
	Standard Slab on Grade	Allowance for potential repairs to the asphaltic concrete floor at 10 year intervals.	\$6,072										\$6,072
Ward 3 Public Works Garage	Cabinetry	Replacement of cabinetry and countertops.		\$7,382									\$7,382
	Exterior Wall Construction	replace caulking materials		\$2,000									\$2,000
	Exterior Windows	Replacement of window units.											
	Overhead Doors	Replacement of sectional overhead doors.			\$22,101								\$22,101
	Parking Lots	Allowance for repair of traffic surface at parking areas, based on 10% of area.				\$8,401							\$8,401
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.				\$9,373							\$9,373
	Standard Slab on Grade	Allowance for potential repairs to slab on grade at 10 year intervals.											
Ompah Fire Hall/Community Hall/Library	Parking Lots	Allowance for potential repairs at 10 year intervals.			\$2,642								\$2,642
		Roof Replacement	\$40,000										\$40,000
	Septic Systems	Allowance for potential repairs and upgrading at 20 year intervals.				\$2,929							\$2,929
Work in future - estimated							\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Grand Total			\$214,118	\$109,133	\$131,021	\$277,522	\$230,184	\$200,200	\$150,000	\$150,000	\$150,000	\$150,000	\$1,762,177

The Corporation of the Township of North Frontenac

By-law # 12-23

Confirming By-law

Being a By-law of the Corporation of the Township of North Frontenac to confirm all actions and proceedings of the Council of the Corporation of the Township of North Frontenac, for a Special Council Meeting held February 2, 2023

Whereas Section 9 of the *Municipal Act, S.O.2001, c.25* and amendments thereto provides that a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act;

And Whereas Subsection 2 of Section 11 of the *Municipal Act, S.O. 2001, c.25* and amendments thereto provides that a lower-tier and an upper-tier municipality may pass by-laws respecting matters within the spheres of jurisdiction described in the Table to Subsection 2, subject to certain provisions;

And Whereas Section 5(3) of the *Municipal Act S.O. 2001, c.25* – A Municipal power, including a municipality’s capacity, rights, powers and privileges under Section 9, shall be exercised by by-law unless the municipality is specifically authorized to do otherwise;

And Whereas it is deemed expedient that the proceedings of the Council of The Corporation of the Township of North Frontenac for the February 2, 2023 Special Council Meeting, be confirmed and adopted by by-law;

Now Therefore the Council of The Corporation of the Township of North Frontenac hereby enacts as follows:

1. That all actions and proceedings of the Council of The Corporation of the Township of North Frontenac taken at its Special Council Meeting held February 2, 2023 be confirmed as actions for which The Corporation of the Township of North Frontenac has the capacity, rights, powers and privileges of a natural person;
2. That all actions and proceedings of the Council of The Corporation of the Township of North Frontenac at its Special Council Meeting held February 2, 2023 in respect of each recommendation contained in the Minutes and each motion and resolution passed and other actions taken by the Council of The Corporation of North Frontenac at the Meeting, are hereby sanctioned, ratified and confirmed as if all such proceedings were expressly embodied in this By-law;
3. That the Mayor and proper officials of The Corporation of the Township of North Frontenac are hereby authorized and directed to do all things necessary, and to obtain approvals where required, to give effect to the actions passed and taken by Council at the said Meeting;
4. That this by-law shall come into force as of the final passing thereof.

Read a first and second time this 2nd day of February, 2023

Read a third time and passed this 2nd day of February, 2023

Mayor

Clerk