

ORBA



PRESIDENT'S TOUR 2023

MONDAY NOV 13



LONDON

TUESDAY NOV 14



GTA

WEDNESDAY NOV 15



OTTAWA

THURSDAY NOV 16



SUDBURY

#KeepOntarioMoving



ORBA  **PRESIDENT'S TOUR**
2023

Ontario Highways Program Update

Northern Program – Northeast & Northwest



Outline

- Capital Program Delivery Branch, Director Opening Remarks
- Provincial Overview of Capital Program – 2023/24
 - Capital Budget
 - Capital Program Tendering
- Ontario Highways Program Update
- Regional Highlights
 - Capital Construction Program (Rehabilitation and Expansion)
 - Featured Projects – Current and Future
- Contacts

Brad Thom, P.Eng- Manager, Construction
Northeast, Capital Program Delivery Branch

Opening Remarks

Ministry of Transportation Executive Organizational Chart October 2023



DOUG JONES
DEPUTY MINISTER
MINISTRY OF TRANSPORTATION



John Manning (A)
Executive Advisor
Deputy Minister's Office



MELISSA DJURAKOV
ADM, Oversight & Agency
Governance Division



FELIX FUNG
ADM, Transit Division



JONATHAN LEBI
ADM, Integrated Policy &
Planning Division



ERIC DOIDGE (A)
ADM, Transportation Infrastructure
Management Division



MARCELLE CROUSE (A)
Assoc. DM, Transportation
Safety Division



GEOFFREY GLADDY (A)
ADM, Operations Division



ROMAN CORPUZ
CIO, Labour & Transportation
Cluster, I&IT



ALENA GRUNWALD (A)
CAO/ADM, Corporate
Services Division



[Virginia McKimm \(A\)](#)
Director, Metrolinx
Agency & Oversight



[James Pearce](#)
Director, Transit
Capital & Operations



[Greg Malczewski \(A\)](#)
Director,
System Planning



[Michelle Pasqua](#)
Director,
Asset Management



[Sean McGowan](#)
Director, Commercial
Inspection & Enforcement



[Herb Villneff](#)
Director,
North Operations



[Leah Nemirovski](#)
Director, Digital
Solutions



[Brenda Augerman-
Audette](#)
Director, Strategic HR



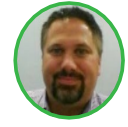
[Ben Sopol](#)
Director, Program
Oversight & Integrity



[Kevin Dowling \(A\)](#)
Director, Transit
Strategy & Programs



[Megan Chochla](#)
Director, System
Optimization Policy



[Alain Beaulieu](#)
Director, Design &
Engineering



[Jennifer Elliott \(A\)](#)
Director, Commercial
Safety & Compliance



[Franca Sacchetti \(A\)](#)
Director,
West Operations



[Ed Bennett \(A\)](#)
Director, Operations,
Maintenance & Support



[Vrinda
Vaidyanathan](#)
Director, Finance



[Ewa Downarowicz](#)
Director, Transit
Delivery &
Partnerships



[Katie De Palma](#)
Director,
Transportation Policy



[Kevin Boudreau \(A\)](#)
Director, Capital
Program Delivery



[Tija Dirks \(A\)](#)
Director, Safety
Program Development



[Becca Lane](#)
Director,
Central Operations



[Milos Jokanovic \(A\)](#)
Director, Ministry
Engagement & Advisory



[Sejal Jain \(A\)](#)
Director, Business
Support Services



[Marc Hudon](#)
Director,
Communications



[Dawn Irish \(A\)](#)
Director,
Indigenous Relations



[Brenda Liegler \(A\)](#)
Director, Standards
& Contracts



[Logan Purdy](#)
Director, Driver
& Vehicle Services



[Colin Simons](#)
Director, Transportation
User Services



[Riaz Khimany \(A\)](#)
Director, Project
Management &
Program Delivery



[Rick Pereira \(A\)](#)
Director,
Organizational
Effectiveness



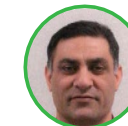
[Michael Casey \(A\)](#)
Director, Policy
Coordination &
Intergovernmental



[Neil Zohorsky \(A\)](#)
Director, Major
Infrastructure Projects
& Chief Engineer



[Marc Faubert](#)
Director, Project
Planning & Delivery



[Jasan Boparai](#)
Director, Highway
Operations Management



[Diana Barbato \(A\)](#)
Director, Strategic
Technologies, Architecture
& Data Services



[Louis Tay \(A\)](#)
Director, East Operations



MARY GERSHT
Legal Services



VINCE CONTI
Internal Audit Services

For an alternate web version, please visit:
[Ministry of Transportation – Our Organization - InsideOPS \(ontario.ca\)](https://www.ontario.ca/insideops)

CMS Status as of November 1, 2023

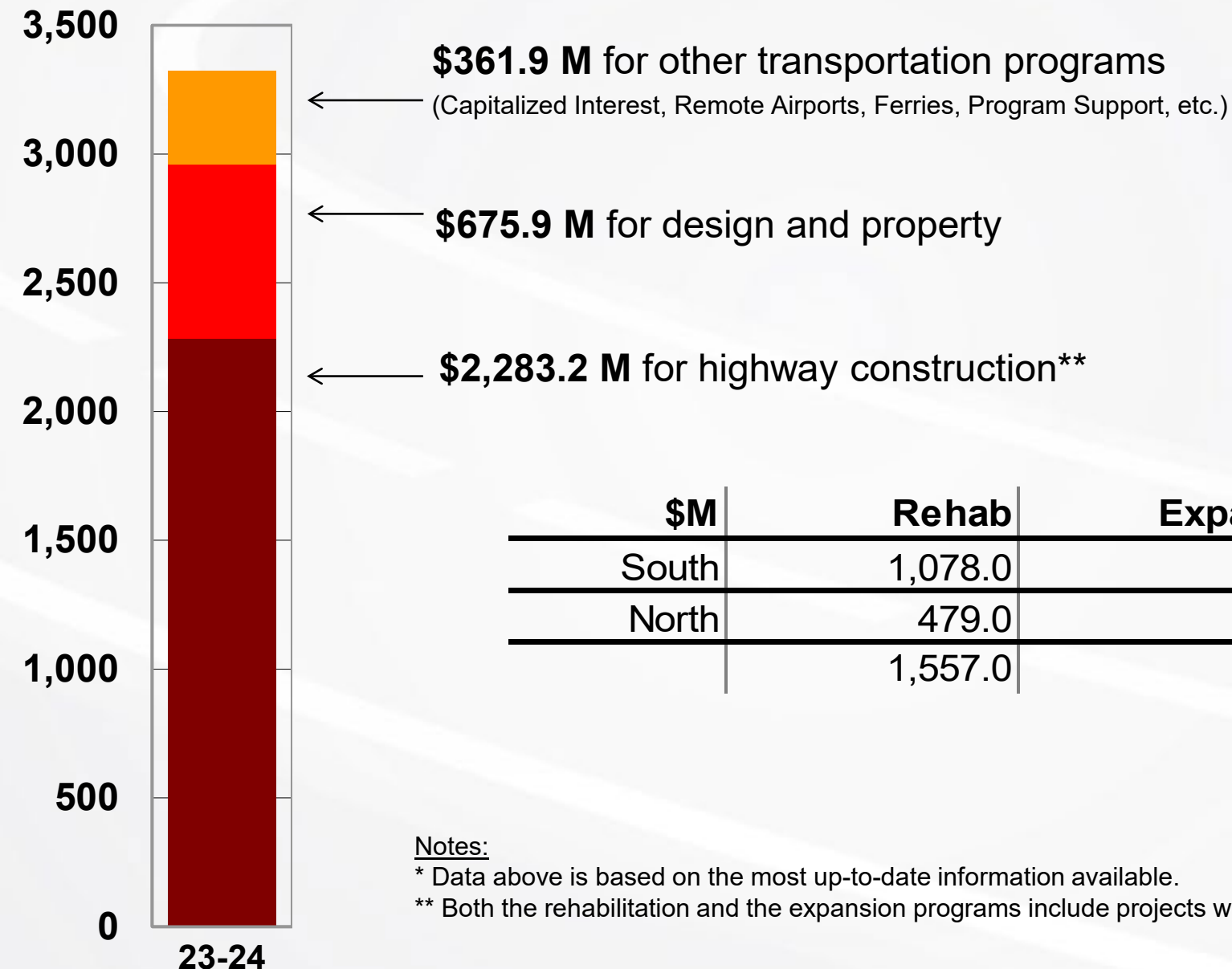
- Approximately 1,500 Users onboarded to date
- Majority of functionality is available for use in CMS
- Some final business processes and enhancements (Release 5) are currently being finalized (e.g. claims, contract completion)
- MTO business within CMS is still new – new discoveries and limitations are still being realized and worked out.
- Integration challenges have greatly subsided, but still perfecting the data flow from RAQS tendering through to CMS.
- Next steps-Finalize remaining business processes and enhancements prior to end of 2023 except material laboratory functionality testing requirements.
- CMS Team to set up groups with stakeholders to seek feedback and build off lessons learned over the Winter now that one construction season with CMS is complete.
- We recognize that the process has not been as smooth as we had planned but appreciate everyone's continued ongoing efforts.

CMS Support

- Dedicated Helpdesk run by MTO (MTOCMS@Ontario.ca)
- Secondary KPMG and Kahua helpdesks to involve on bugs/complex data issues
 - Service Now desk
 - Platform-level support with Kahua
- CMS Updates issued to all license users, outlining updates, changes, known issues, bug fixes and Release Notes
- Training sessions continue to be developed, delivered and made available to all users, as required

Overview of Capital Program - 2023/2024

2023-24 Capital Budget* - \$3,321.0 M

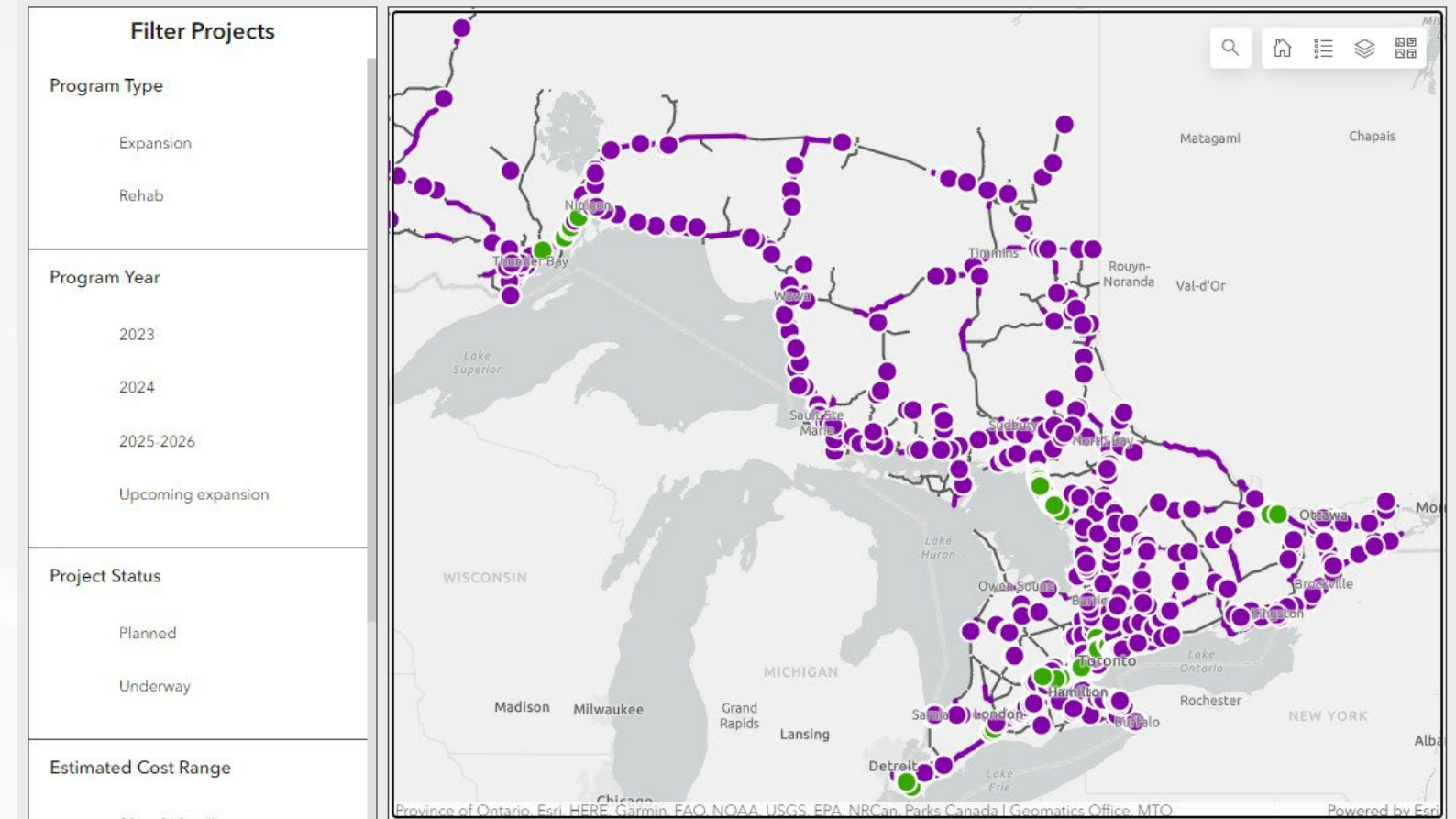


Capital Program Tendering

- MTO consistently tenders a high volume of capital contracts (major and minor capital), typically between **250 and 350** annually.
 - Over **450 projects** in construction or planned to start in fiscal year 2023/24 (April 2023 to March 31, 2024)
 - Over **650 projects** (rehabilitation and expansion) identified on the Ontario Highways Program (4 year rehabilitation plan, 10 year expansion plan).
- The annual tendering volume is subject to change and may decrease from projections early in the tendering cycle.
 - Tender changes may occur due to bundling projects for efficiency, timing to obtain project and environmental approvals, property acquisition and construction requirements, and funding availability.
- The average annual construction spending over the last five years has been over **\$2B**.
 - MTO on track to fully spend capital program budget this year.
 - Continually monitor in-year forecasts and adjust our program with the objective of fully spending our budget

Ontario Highways Program (OHP) Publication

- The Ontario Highways Program (OHP) was released in August 2023, updating projects underway and planned through a searchable online resource.
- The OHP is now updated twice a year –in Spring/Summer and Fall/Winter each year
 - Next update is planned for early January 2024
- Outlook for 2024 and beyond – continued strong investment in critical rehabilitation and expansion projects throughout the province.
 - Variety of delivery models – Design-Bid-Build (DBB), Design-Build (DB), Design-Build-Finance (DBF), CMGC etc.
 - Variety of contract sizes - <\$5M to >\$100M
- <https://www.ontario.ca/page/ontarios-highway-programs>





Northeastern Ontario

2023 Rehabilitation Program Highlights

Major Capital

- 21 Carryover projects into 2023
 - 3 Design-Build projects
- 9 Carryover projects into 2024
 - 2 Design-Build projects
- Late 2022 tendering (2023 Construction): Advertised August – December 2022
 - 5 Projects
- Early Advertise: Advertised January 1 – March 31, 2023
 - 7 Projects
- Forecast: April 1 – December 31, 2023
 - 5 Projects

2023 Rehabilitation Program Highlights

Minor Capital

- Early Advertise: January 1 – March 31, 2023
 - 4 projects
- Advertised after April 1, 2023
 - 23 projects

Typical Work

- Surface treatment
- Micro-surfacing
- Selective resurfacing
- Culvert replacements
- Structural repairs
- Tree clearing

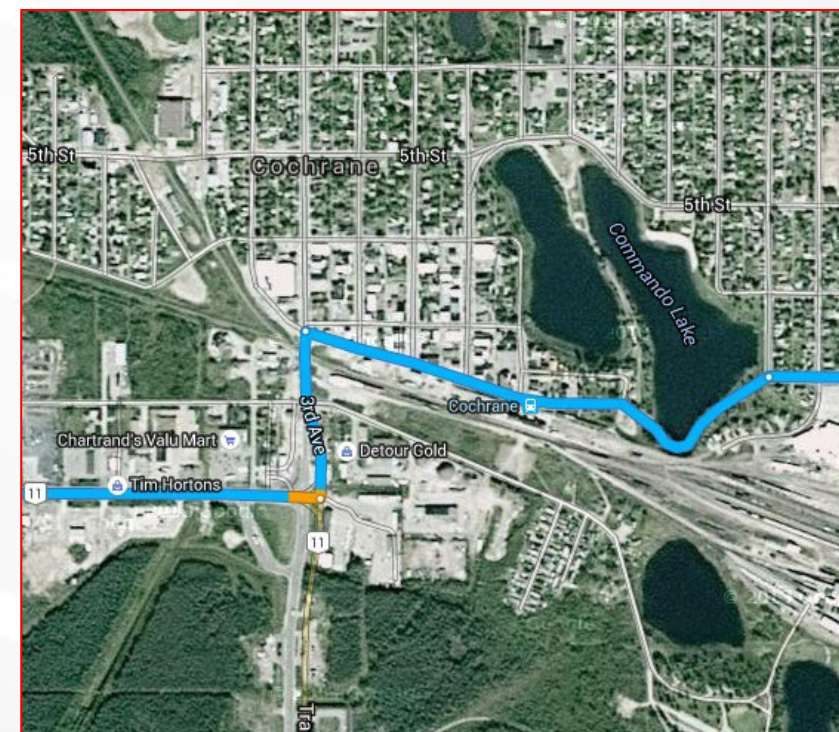
Expansion Program Highlights

Highway 69, Sudbury to Parry Sound - 152 km

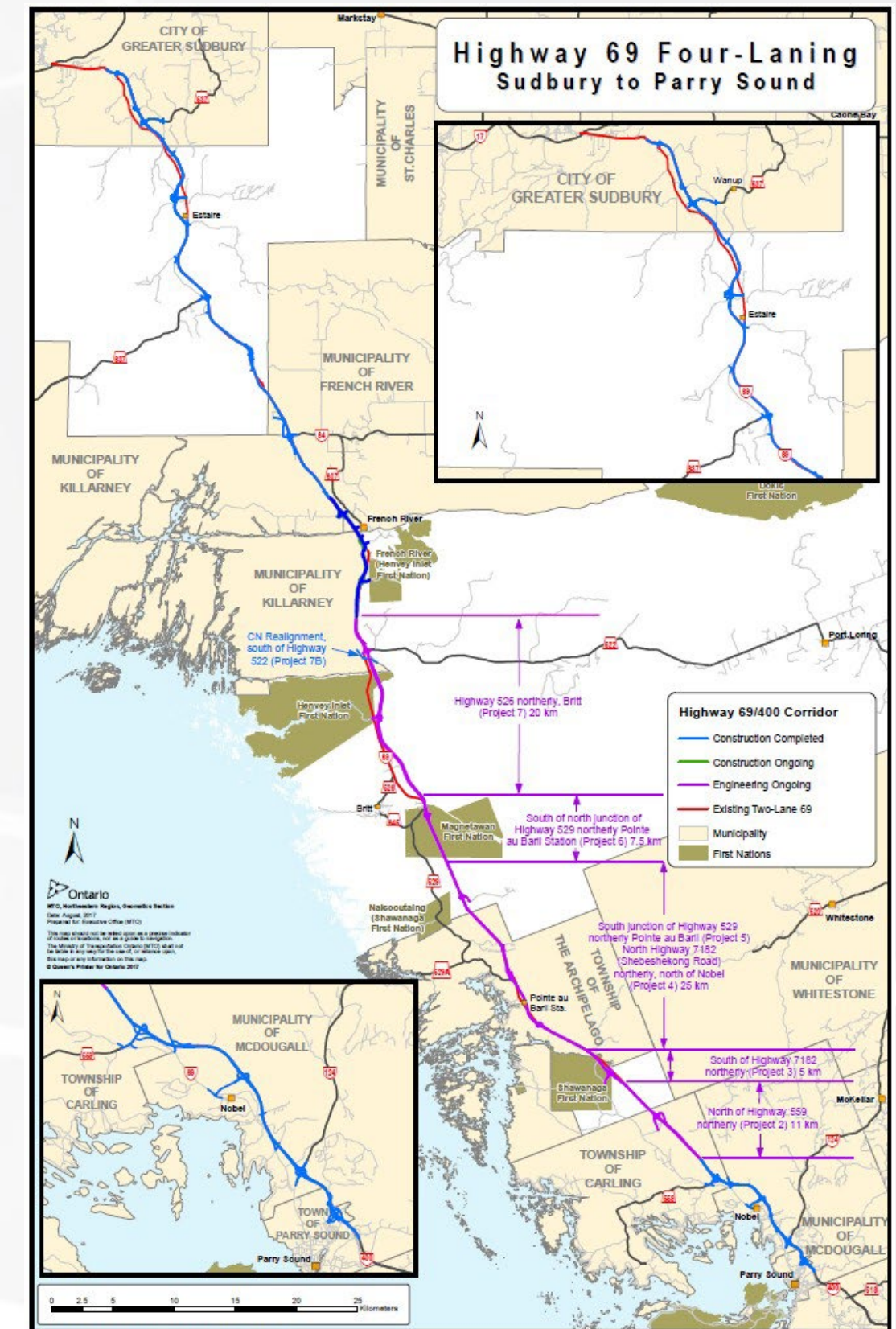
- Constructed between 2004 - 2022: 84 km
- Ongoing - Engineering & property acquisitions: 68 km

Highway 652, Cochrane Bypass

- Preliminary design & EA – ongoing.
 - Current access:
Highway 652 - municipal roads - Highway 11
 - Proposed access:
Extend Highway 652 to Highway 11.



Current Access



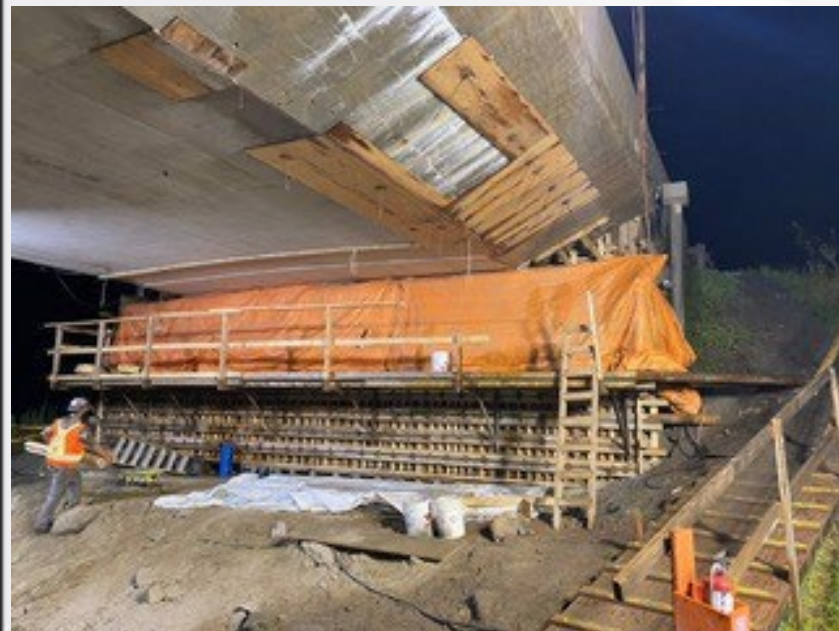
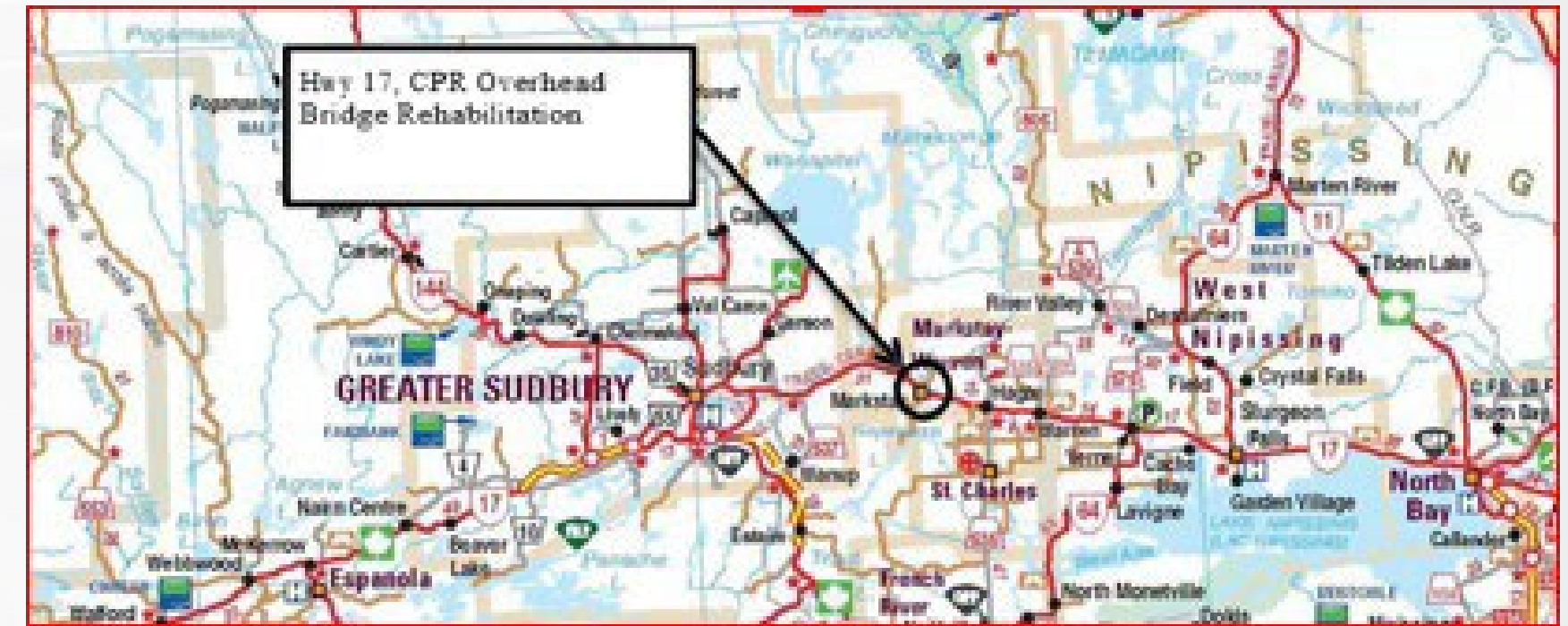
Highlights – Projects in Construction

Highway 17, CPR Overhead Bridge – Sudbury

- Awarded – March 2022
- Anticipate completion – 2023
- Contractor – GDB Constructeurs
- Bridge rehabilitation: Nighttime 1-lane, Daytime 2-lane

Unique Aspects:

- Removable precast approach slabs & sleeper slabs
- Rapid Set Latex Modified Concrete



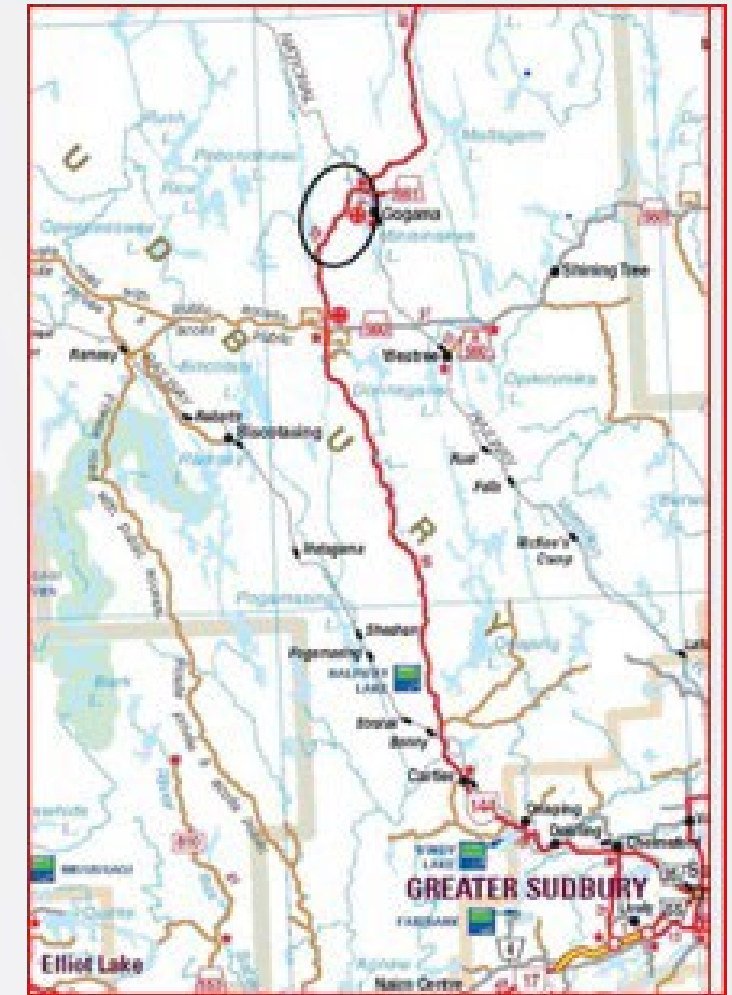
Highway 101, Nat River Bridge, east of Foleyet – New Liskeard

- Design-build
- Awarded – August 2021
- Completed – 2023
- Design-builder/contractor – Teranorth Construction
- Bridge replacement, new alignment



Highway 144, North of Highway 560 northerly to Highway 661 - New Liskeard

- Awarded – March 2022
- Anticipate completion 2024
- Contractor – GIP Construction and Materials Limited
- Reconstruction - 22.1 km
- Platform widening



Highway 11, Unknown Creek Culvert & Stoney Creek Culvert Highway 560 west of Highway 573 to Highway 11 - New Liskeard

Awarded – May 2023

Anticipate completion – 2023

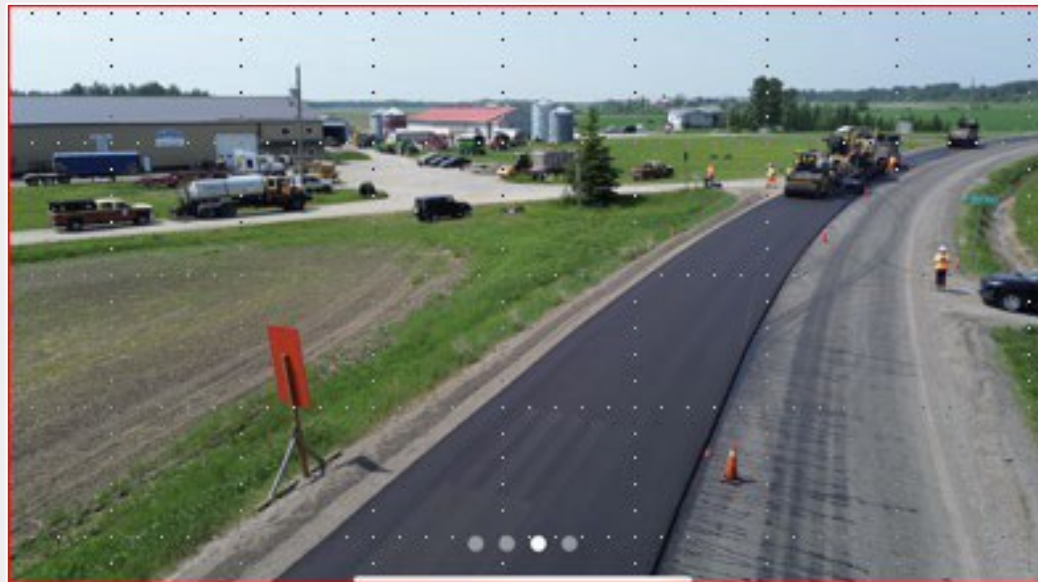
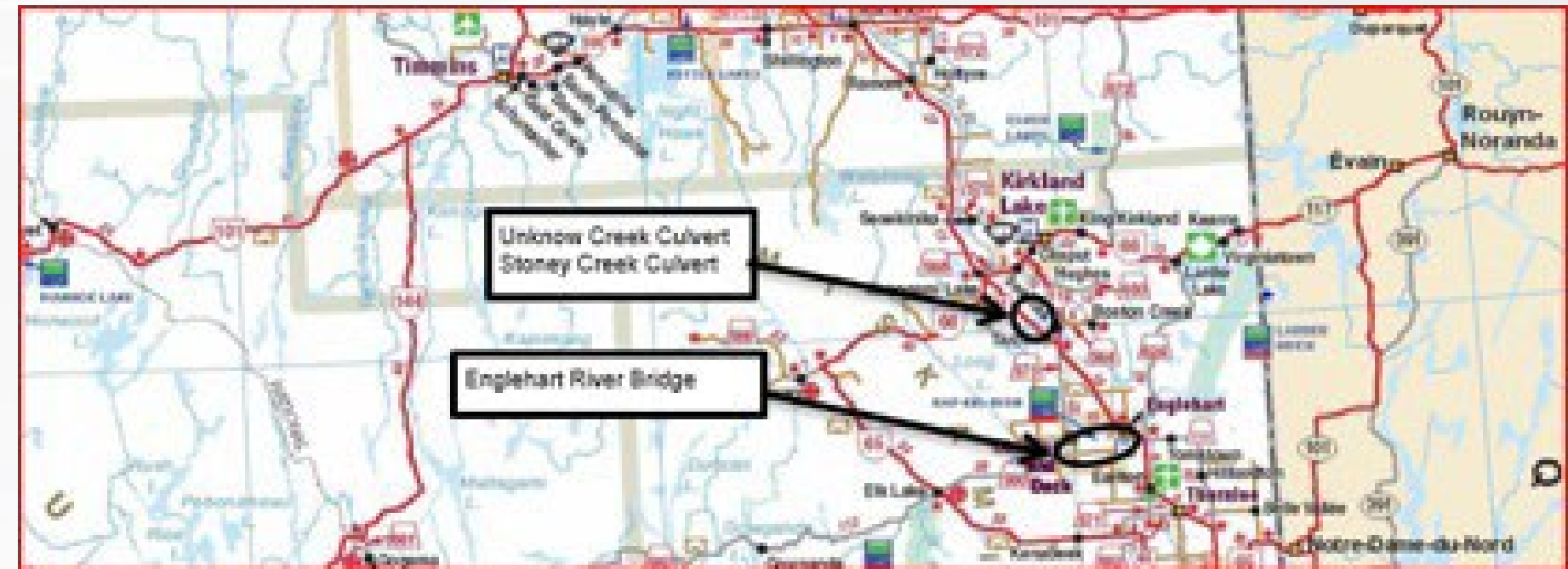
Contractor – Miller Paving Limited

Highway 11

- Unknown creek culvert replacement
- Stoney Creek culvert rehabilitation

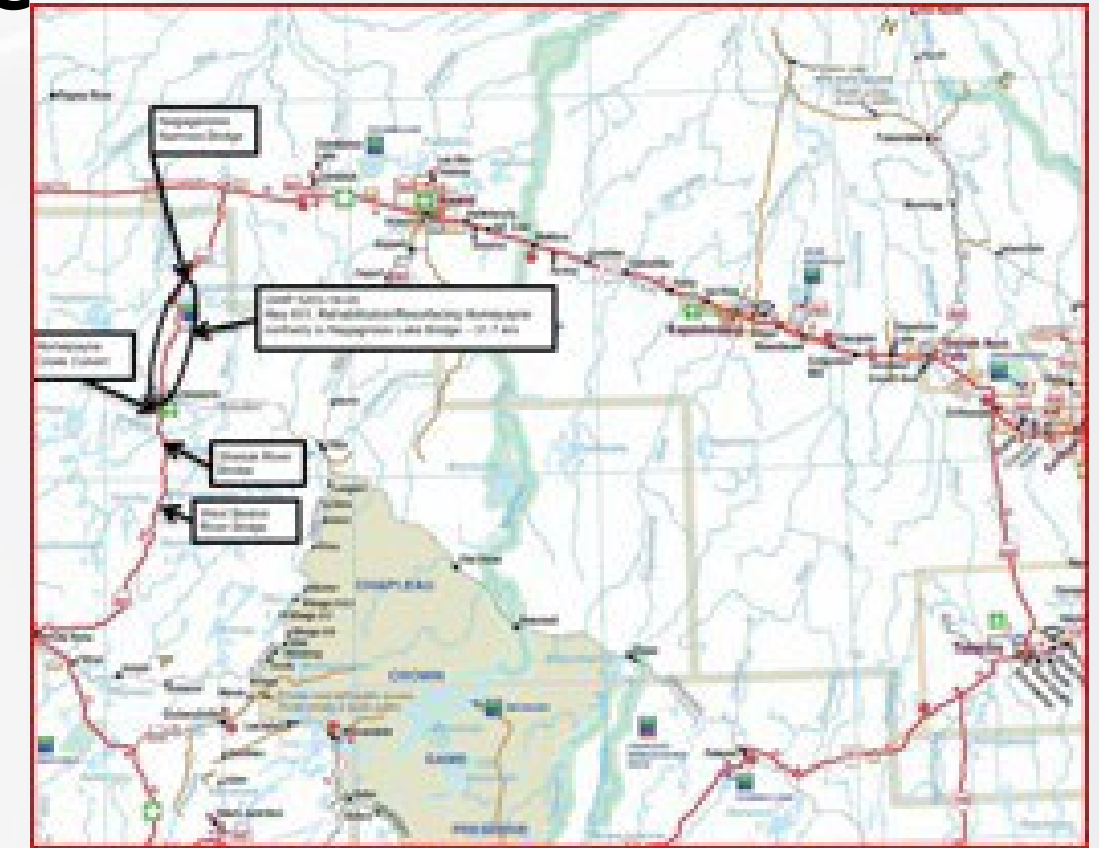
Highway 560

- Resurfacing, 10 km
- Englehart River bridge rehabilitation



Highway 631, South of Hornepayne northerly to Nagagamisis Narrows Bridge Sault Ste. Marie

- Design Build, Awarded – August 2022
- Anticipate completion – 2025
- Contractor – FACCA Inc
- Resurfacing, 31.7km with new paved shoulders
- Hornepayne Creek Culvert Replacement
- Shekak River Bridge Rehabilitation
- Nagagmisis Narrows Bridge Replacement
- West Beaton River Bridge Rehabilitation



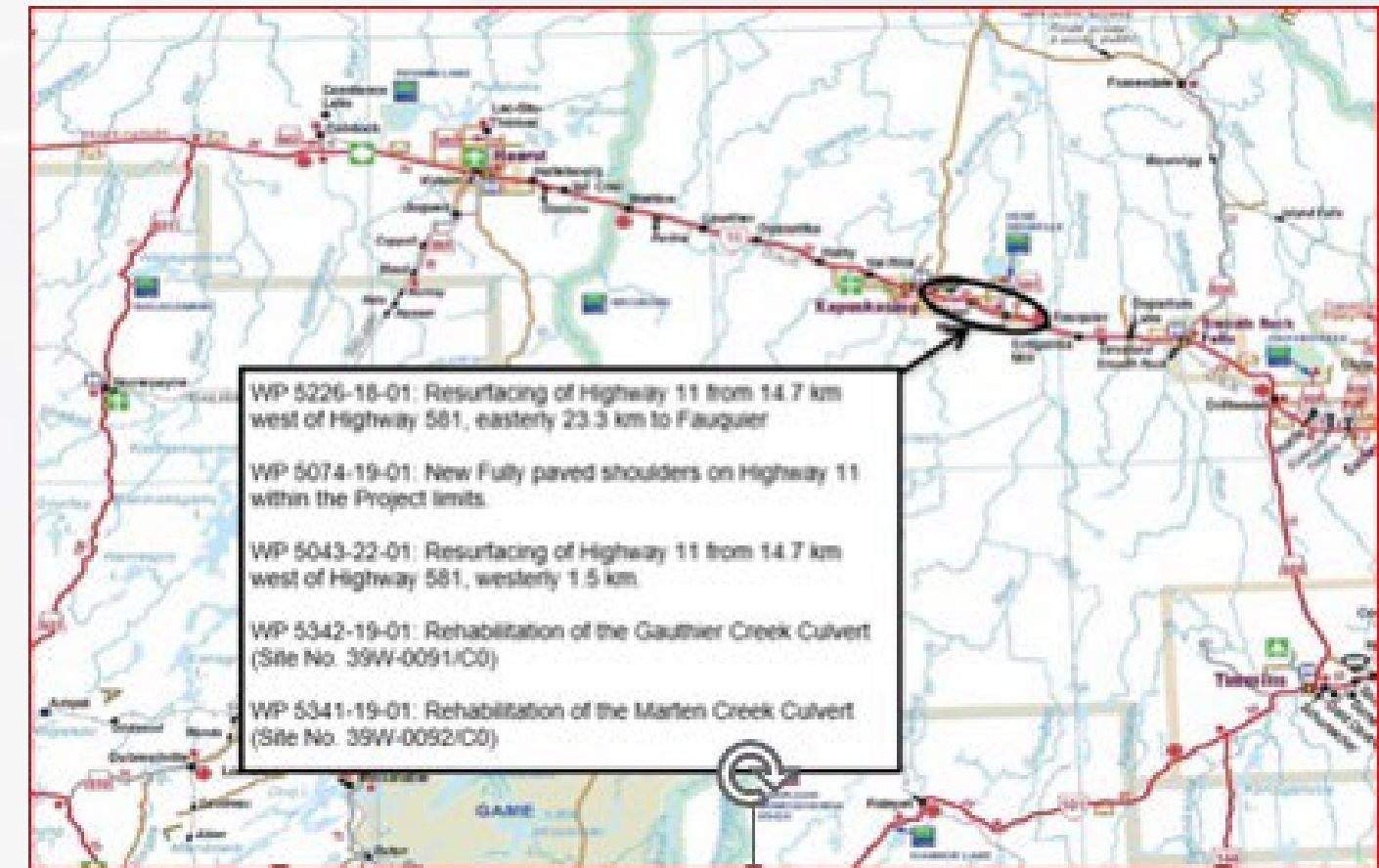
West Beaton Bridge



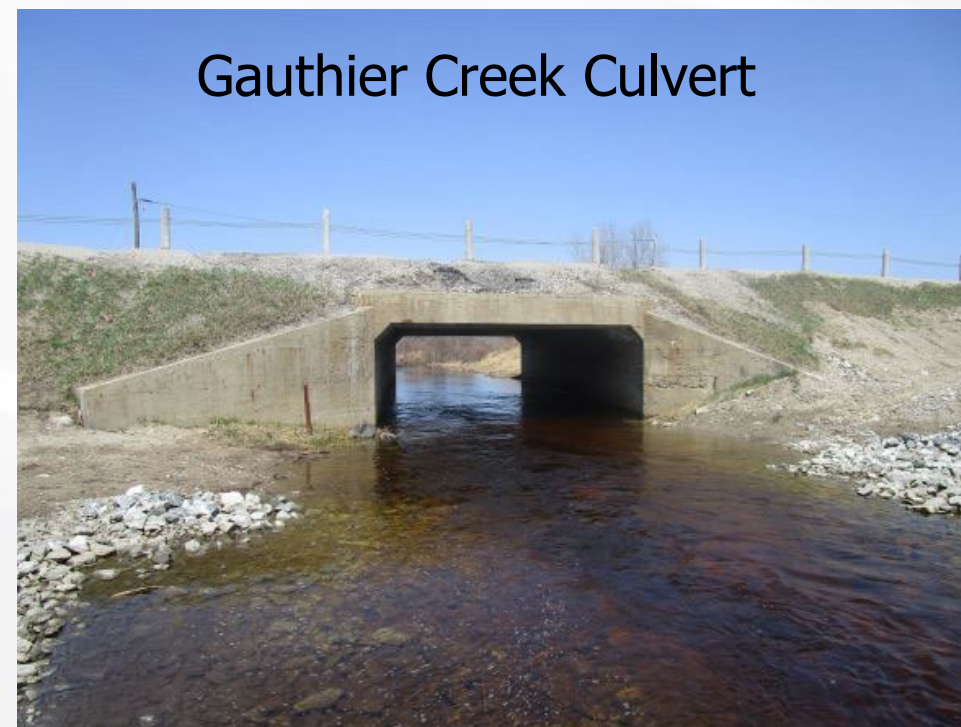
Highlights - Planned Upcoming Projects

Highway 11, Kapuskasing easterly to west of Fauquier New Liskeard

- Resurfacing including new paved shoulders, 25km
- Gauthier Creek Culvert Rehabilitation
- Marten Creek Culvert Rehabilitation



Gauthier Creek Culvert



Marten Creek Culvert



Highway 129, Highway 17 to Highway 554 – Sault Ste. Marie

- Resurfacing, 29.9km



Highway 552 easterly to Highway 532, east of Heyden Highway 556 northerly to Sault Ste. Marie

- Highway 556: Resurfacing, 21.1km
- Highway 532: Resurfacing, 6.4km



Hwy 556

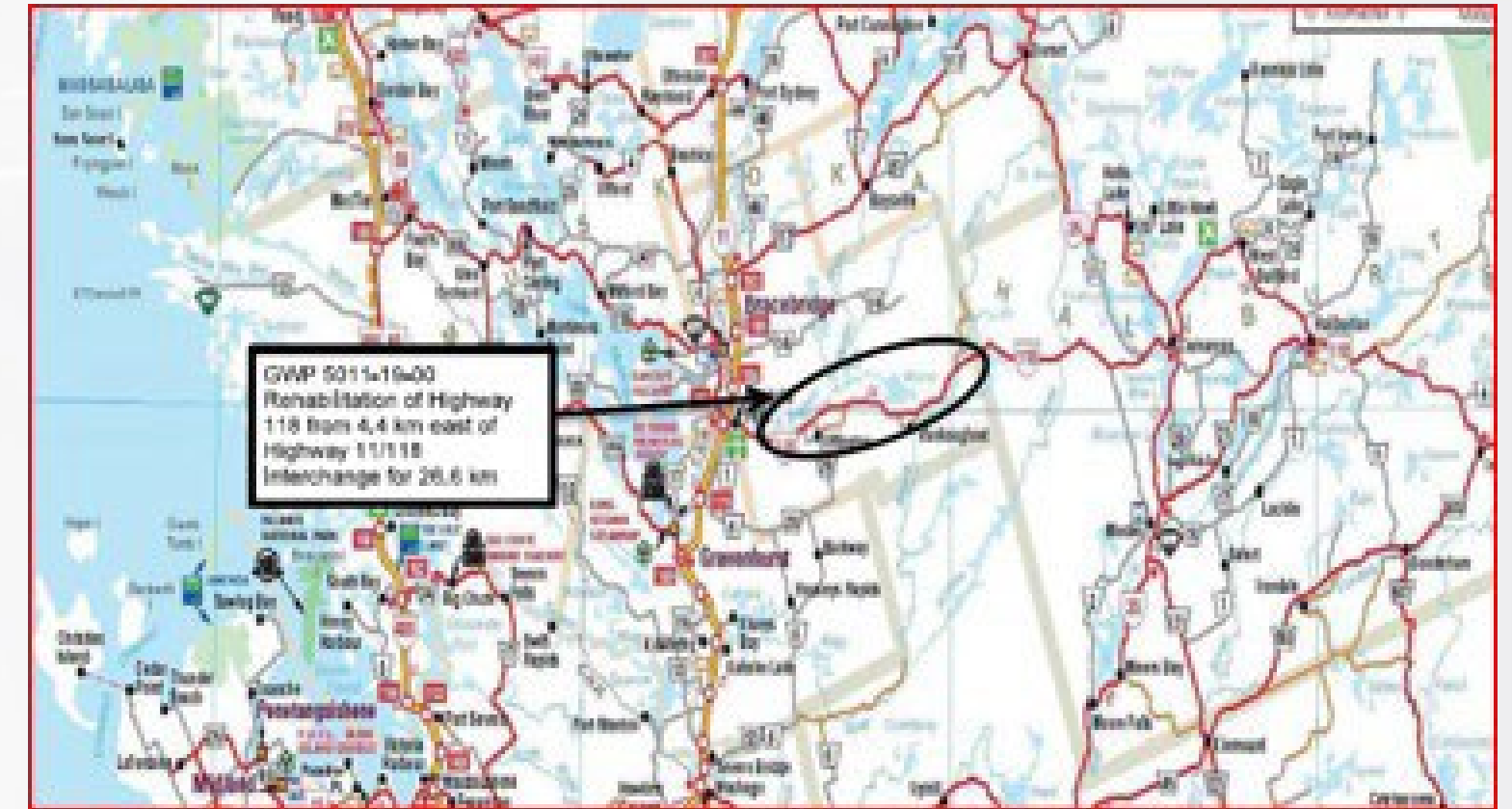


Hwy 532 Railway Crossing



Highway 118, East of Highway 11 easterly to Haliburton County & Muskoka District boundary – Huntsville

- Resurfacing including new paved shoulders, 26.6km



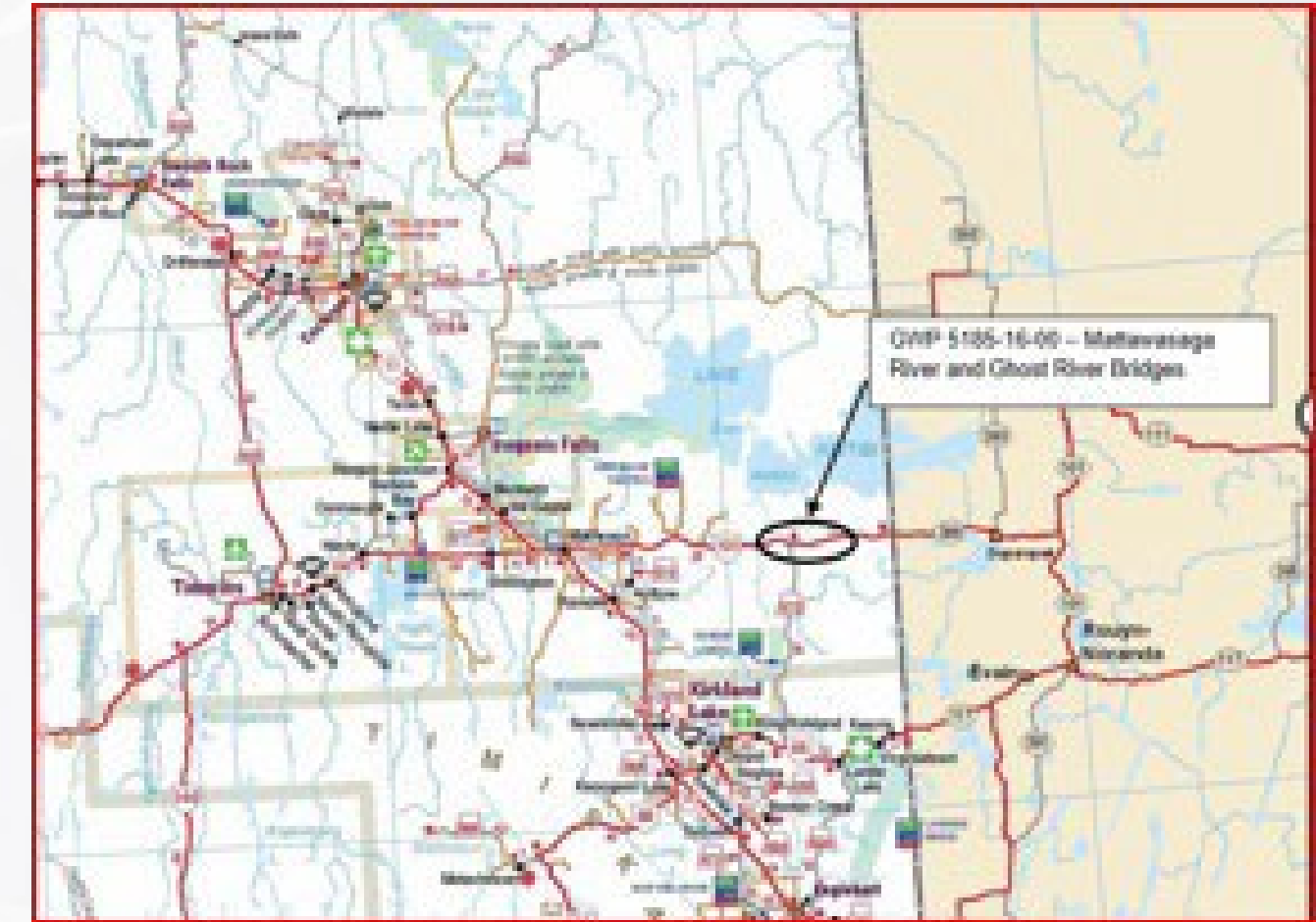
Highway 101, Mattawasaga River Bridge Ghost River Bridge - New Liskeard

Rehabilitation of Mattawasaga River Bridge

- Built in 1976
- 5-span steel girder, 74m x 9.8m
- Barrier wall replacements, concrete overlay, substructure repairs

Rehabilitation of Ghost River Bridge

- Built in 1962
- 3- span steel girder, 61m x 10.3m
- Superstructure replacement, substructure repairs



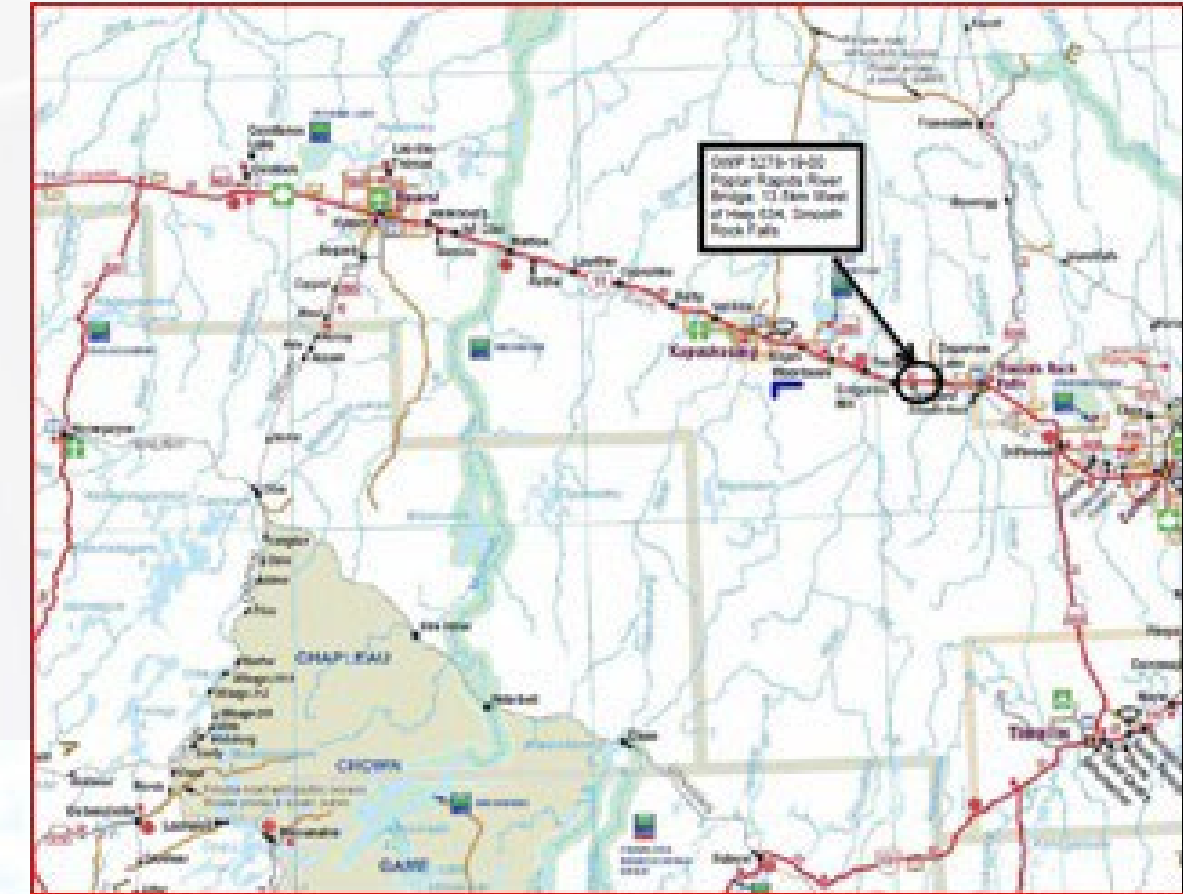
Mattawasaga River Bridge



Ghost River Bridge

Highway 11, Poplar Rapids River Bridge, 13.5 km west of Highway 634 New Liskeard

- Replacement of the Poplar Rapids River Bridge
- Design Build
- Built in 1944
- 4-span, concrete rigid frame, 63.8m x 11.8m
- New alignment



Highway 592, Little East River Bridges – Huntsville

Replacement of four bridges on existing alignments

- Little East River Bridge #1, built in 1919
- Little East River Bridge #2, built in 1930
- Little East River Bridge #3 & #4, built in 1916

New Bridges, 12.5m span x 11.5m wide (existing 6.1m x 8.2m)

- Concrete deck on pre-cast concrete box girders with steel railing
- Concrete abutments founded on micro-piles



Typical View



Typical Elevation



Highway 810 and Highway 553, River aux Sables Bridges, Cameron Creek Bridge, north of Highway 17 – Sudbury

Replacement of six Bailey bridges on existing alignments

- Existing - single span bridges 12-30m, single lane
- New - modular, single span, single lane bridges

Highway 810

- West River aux Sables Bridge
- Four Sauble River Bridges

Highway 553

- Cameron Creek Bridge



Typical View

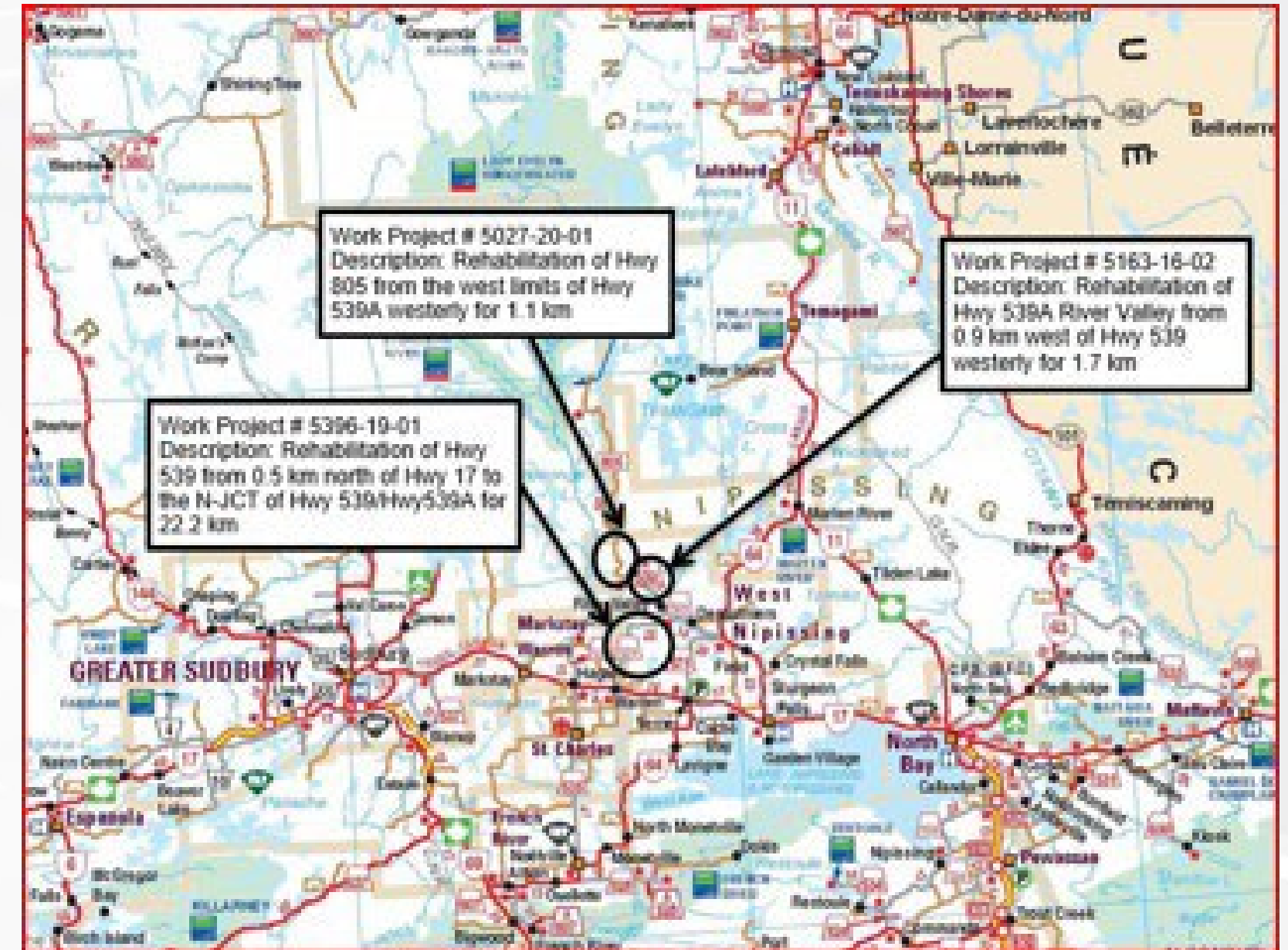


Typical Elevation



Highway 539 and 539A, Warren northerly to Highway 539A – Sudbury

- Conversion of Highway 539 and Highway 539A from Surface treatment to HMA, 23.5km



Northwestern Ontario

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2023

2023 Program Highlights



2023 Program Highlights

Major Capital

➤ **Approximately 19 carryover contracts**

- Paving contracts
- Bridge contracts
- Structural culvert contracts
- Commercial Vehicle Inspection Station contract(s)
- Others such as hazard rock and pedestrian crossings

➤ **Approximately 25 contracts**

(expected to be advertised between November 1/2022 - December 31/2023)

- Paving contracts
- Bridge contracts
- Structural and non-structural culvert contracts
- Others such as hazard rock, pedestrian crossings and storm sewers.



2023 Program Highlights

Minor Capital

➤ **15 Projects advertised - RAQs**

January 1 – November 1, 2023

➤ **Typical Work:**

- Surface Treatment
- Microsurfacing
- Crushing
- Culvert Stock



➤ **Other Methods of Procurement**

January 1 – November 1, 2023

➤ **Typical Work:**

- Culvert Replacements
- Intersection Improvements
- Brushing
- Catch Basin Replacements
- Hot Mix Patching
- Crushing
- Surface Treatment
- Ditching
- New Rest Area & various upgrades
- Flooding Repairs



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2023

Highlights - 2023 Rehabilitation
Projects in Construction



Northwest Region – East Rehabilitation Projects



Contract 2022-6014 - Highway 11
Paving – 25 km North of Highway
17 northerly 24.7 km

Contractor: Brennan Paving &
Construction Ltd.



Contract 2021-6008 - Highway 17
White River Bridge at Bremner
18km west of Highway 631

Contractor: Looby Construction Ltd

Contract 2022-6031 Highway 17
Non-structural Culvert
50km west of Highway 627

Contractor: PNI Contracting Ltd.

Northwest Region – West Rehabilitation Projects



Contract 2023-6002 Highway 11
New signalized intersection and
pedestrian crossing at Emo and
Red Lake

Contractor: Teranorth
Construction & Engineering Ltd.



Contract 2022-6023
Highway 105 Sandy Creek
Bridge replacement, 7.3km north
of Highway 657

Contractor: The Sharp Group

Contract 2023-6014 Highway 599
Paving – 67 km north of Highway
516 northerly 30.3 km; includes
new culvert at Trout Creek

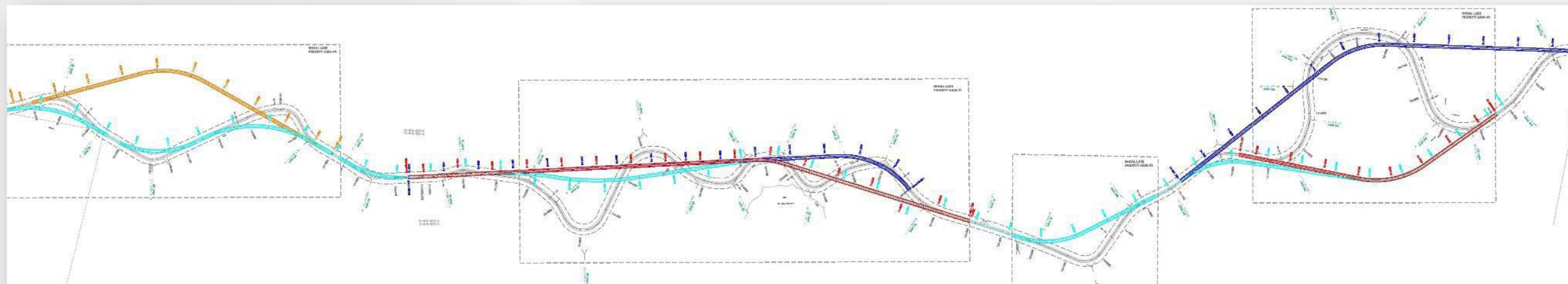
Contractor: Pioneer Construction
Ltd.



Contract 2021-6056 Highway 673

– Indigenous Procurement

- Shoal Lake 39 First Nation is undertaking all construction work on this project through a Limited Partnership with Moncrief Construction Ltd.
- Construction began in summer 2021 and will continue until the fall 2024.
- Work includes 7 km of significant curve realignments at 4 locations (“Priority Areas”) on Highway 673.
- Construction at Priority Areas 2 & 3 was completed in Fall 2022.
- Construction at Priority Areas 1 & 4 is currently underway (Contract 2021-6056) with planned completion in Fall 2024.



Highway 11/17 Commercial Vehicle Inspection Facility (CVIF)

Located approximately 10 km east of Thunder Bay, the new CVIF will increase safety of commercial vehicles and drivers. Features include:

- 3-lane triage area.
- 5-lane inspection area with canopy over two lanes (one depressed lane which will include an in-pavement snow melt system).
- Static scale.
- Office building for employees and visitors,
- Truck lay-by facility adjacent to EB lanes (south side of highway).
- Full LED illumination along exit and entrance ramps and within main portion of CVIF site with enhanced LED illumination under triage canopy and inspection area/canopy.
- Level 2 EV Charging Stations for ministry vehicles.

Construction by Teranorth Construction & Engineering Limited began July 2021 and is expected to be completed by the end of November 2023.

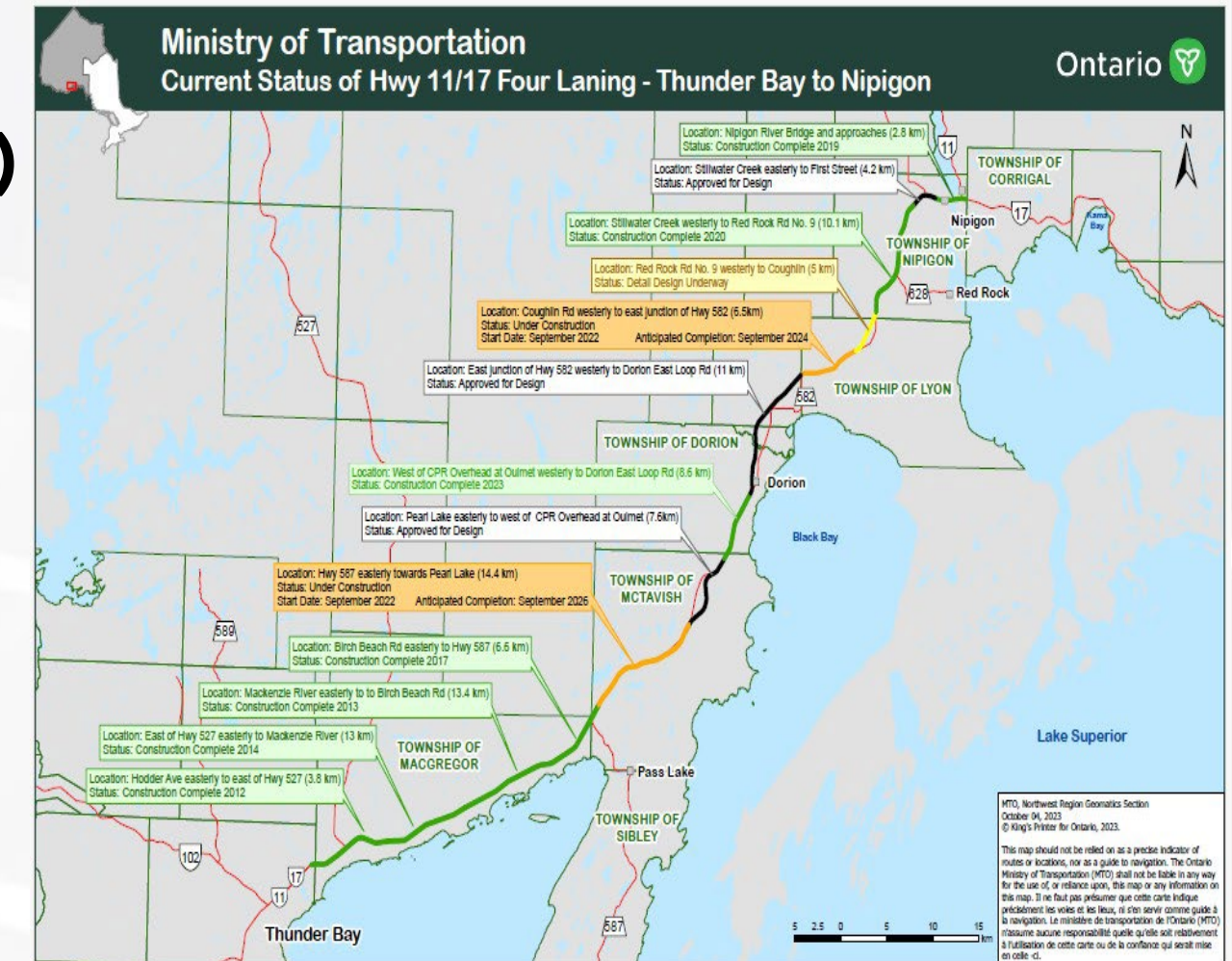


Highlights - 2023 Expansion Projects in Construction



Highway 11/17 Expansion Projects

- **Highway 587 easterly 14km, including new Pearl River Bridges (~14.4 km)**
 - Awarded March 2022 (Teranorth Construction & Engineering Inc.).
- **Coughlin Road westerly to Highway 582, including Valley Creek Culverts (~6.5 km)**
 - Awarded May 2022 (Taranis Contracting Group Ltd.).
- **Red Rock Road No. 9 westerly to Coughlin Road, including Black Sturgeon River Bridges (~5.0 km)**
 - Anticipated advertising Spring 2024.
- **West of Ouimet Overhead easterly, including new CPR overheads (~8.6 km)**
 - Construction started Fall 2020 and was completed Fall 2023 (Teranorth Construction & Engineering Inc.).
- **East of Junction Highway 582 westerly to Dorion East Loop Road, including Coldwater Creek and Wolf River Bridges (~11.0 km)**
 - Project is in Preliminary Design.
 - Advertising TBD.
- **Pearl Lake easterly to west of CPR Overhead at Ouimet (~7.6 km)**
 - Project is in Preliminary Design.
 - Advertising TBD.



Highway 11/17 4-lane Expansion from Highway 587 to Pearl Lake

- ~14km of four-laning.
- 2 new bridge structures over the Pearl River and 2 new structural culverts at Oyster Creek.
- Mandatory Indigenous Participation Requirements
- Teranorth Construction and Engineering Inc. completing the work under Contract 2021-6049.
- Planned completion in Fall 2026.



Highway 11/17 4-Lane Expansion from Coughlin Road to Highway 582

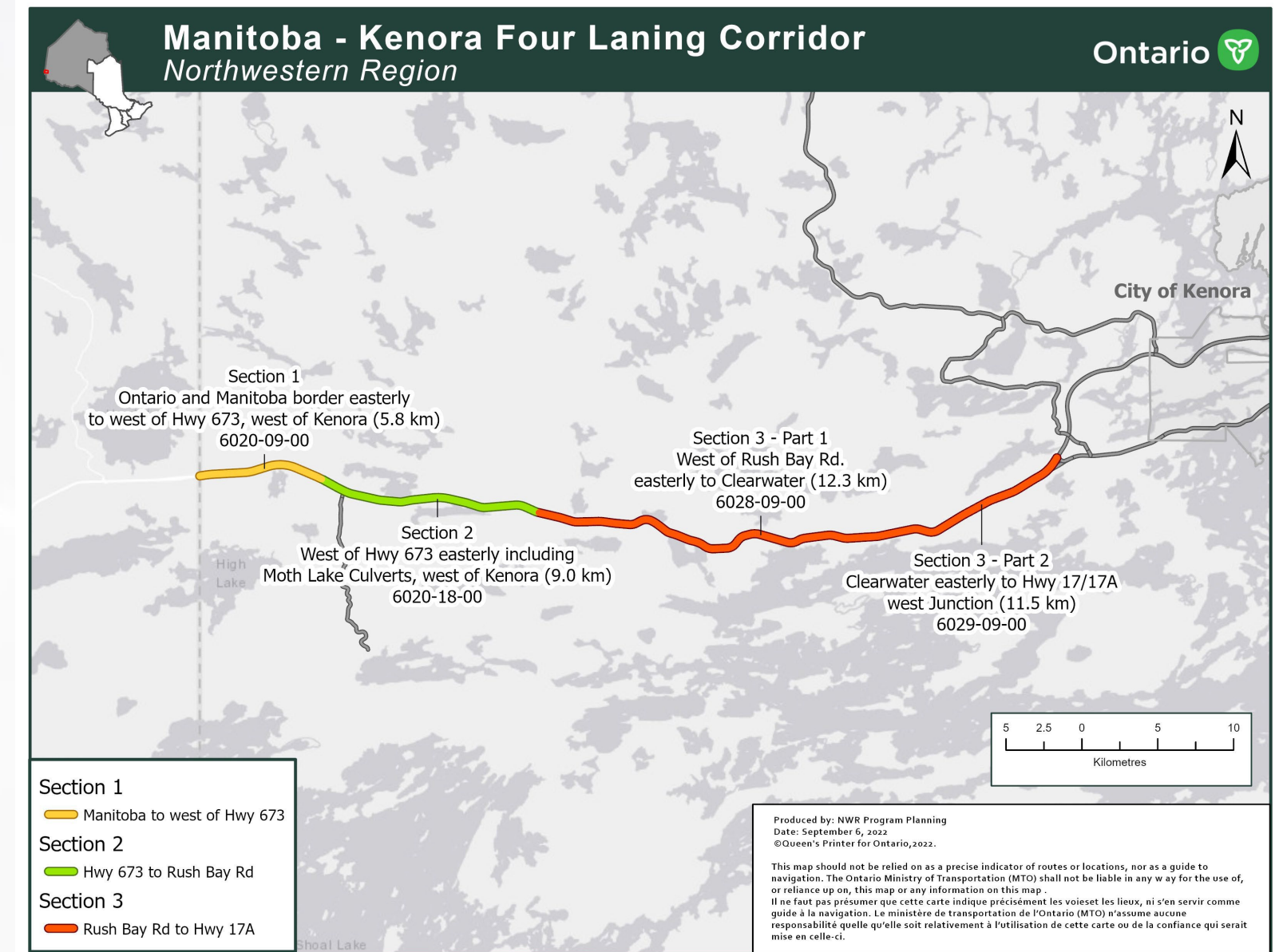


- Twinning from 1.5km west of Highway 582 easterly to Coughlin Road, 8.3km (30m median).
- New EB and WB Valley Creek Culverts.
- Realignment of Highway 582 for 600m.
- Realignment of various sideroads.
- Taranis Contracting Group completing the work under Contract 2022-6003.
- Planned completion in Fall 2024.



Highway 17 Expansion Projects

- **Section 1 – Ontario/Manitoba border easterly (~5.8 km)**
 - Awarded March 2022 (Moncrief Construction Ltd.).
- **Section 2 – Highway 673 to Rush Bay Road (~9.0 km)**
 - Anticipated advertising Winter/Spring 2025.
- **Section 3 – Rush Bay Road to Highway 17A (~24.0 km)**
 - Future project; advertising TBD.



Highway 17 4-lane Expansion from Ontario/Manitoba Border Easterly

- Section 1 - Twinning from Manitoba Border to Gundy Road, 5.8 km (min. 30m median).
- Mandatory Indigenous Participation Requirements.
- Moncrief Construction Ltd. completing the work under Contract 2021-6052.
- Planned completion in Fall 2024.



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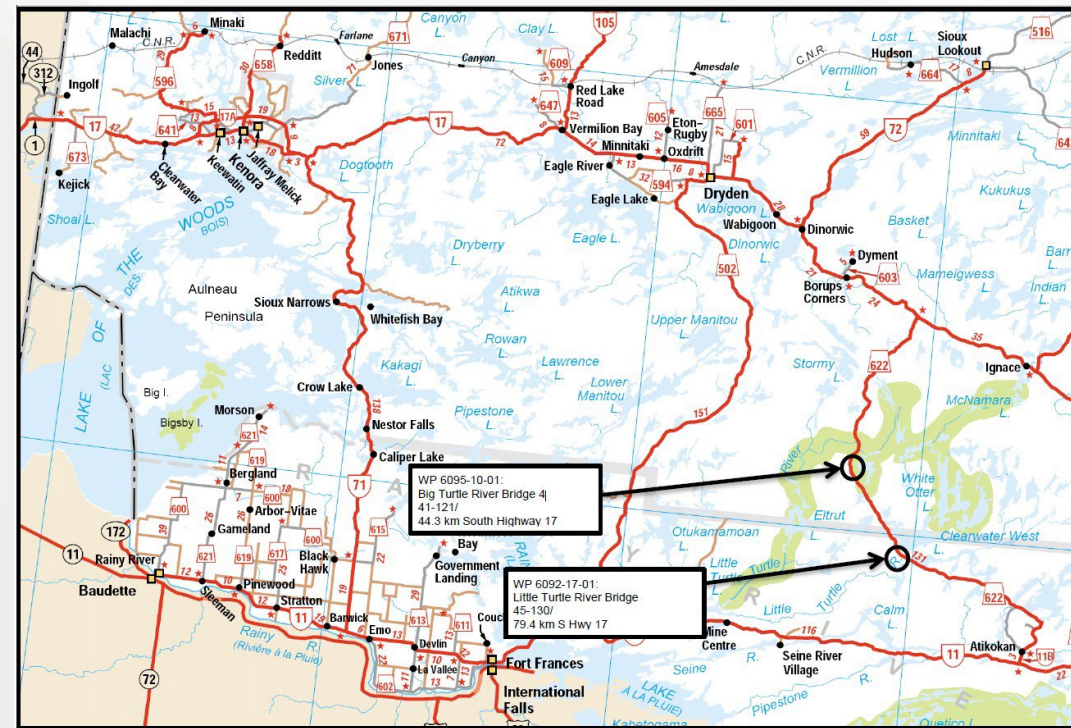
Highlights -

2024 to 2026 Planned Projects



Highway 622 Turtle River and Little Turtle River Bridges

- 44 km and 79 km south of Highway 17.
- Proposed project scope of work anticipated to include minor rehabilitation: Concrete repairs, water proofing, paving, and installation of new expansion joints.
- Staged construction.
- Anticipated Advertising late Fall 2023.
- Project is expected to be completed by Fall 2024.



Turtle River

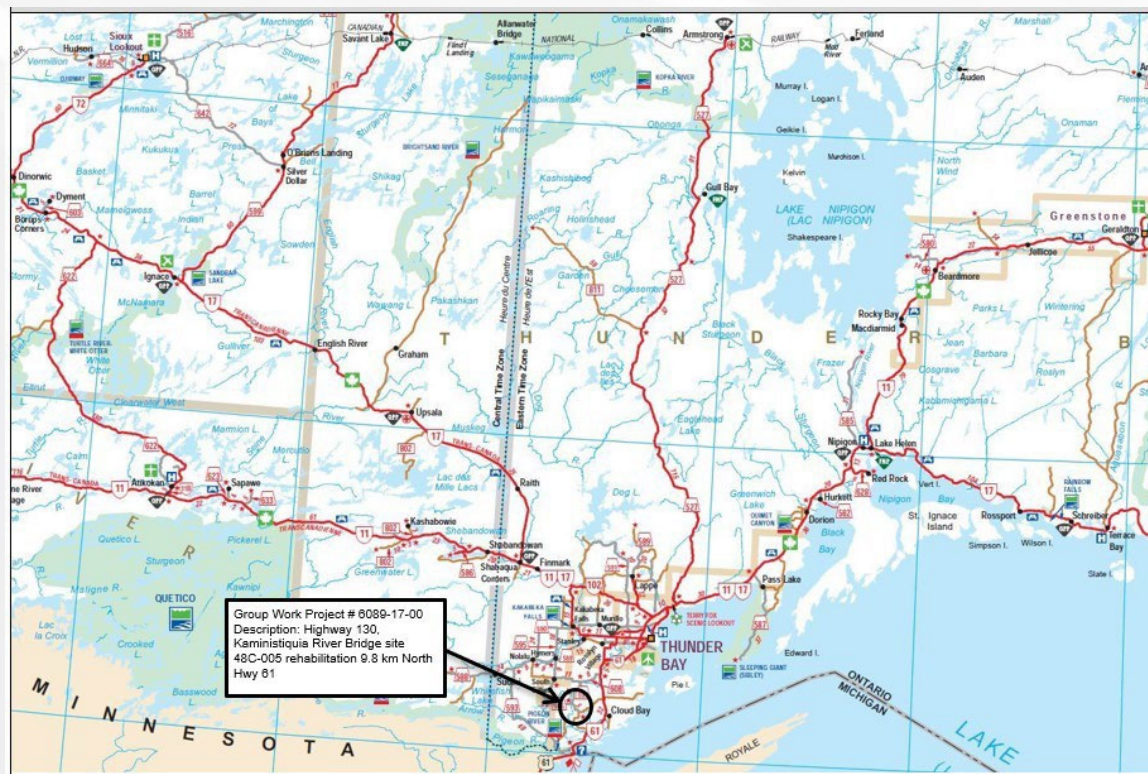


Little Turtle River



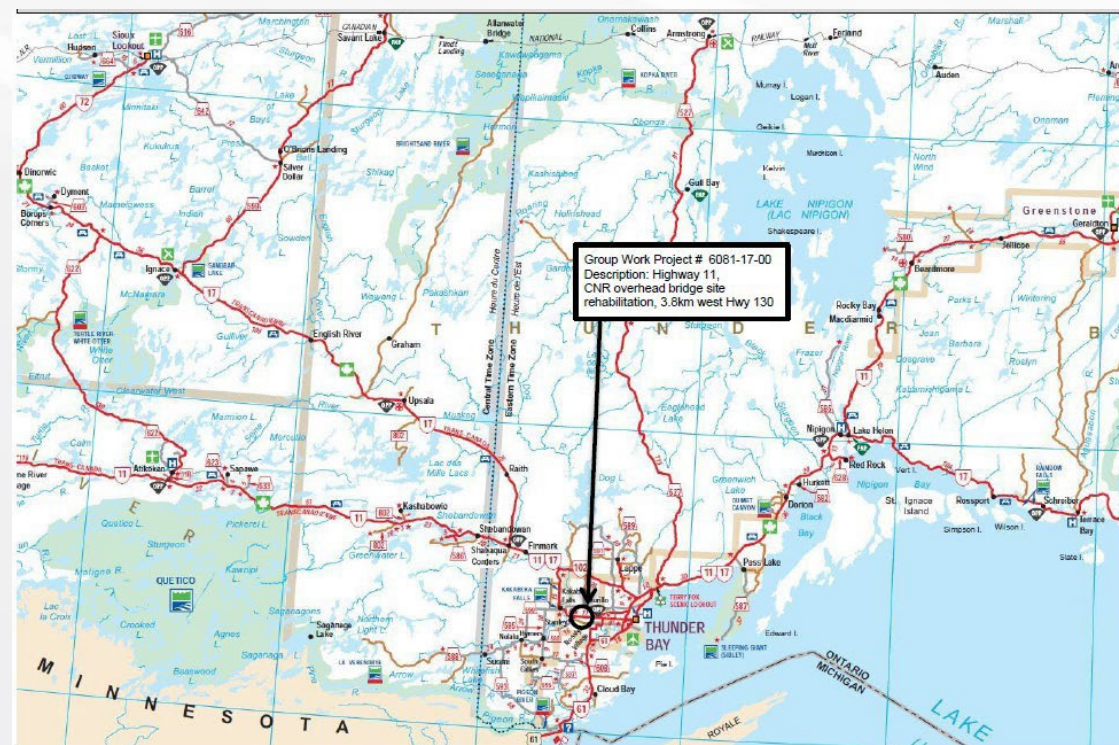
Highway 130 Kaministiquia River Bridge

- 10 km north of Highway 61.
- Proposed project scope of work anticipated to include minor rehabilitation:
Patching, water proofing, paving,
and installation of new deck joint replacements.
- Staged construction.
- Anticipated Advertising late Fall 2023.
- Project is expected to be completed by Fall 2024.



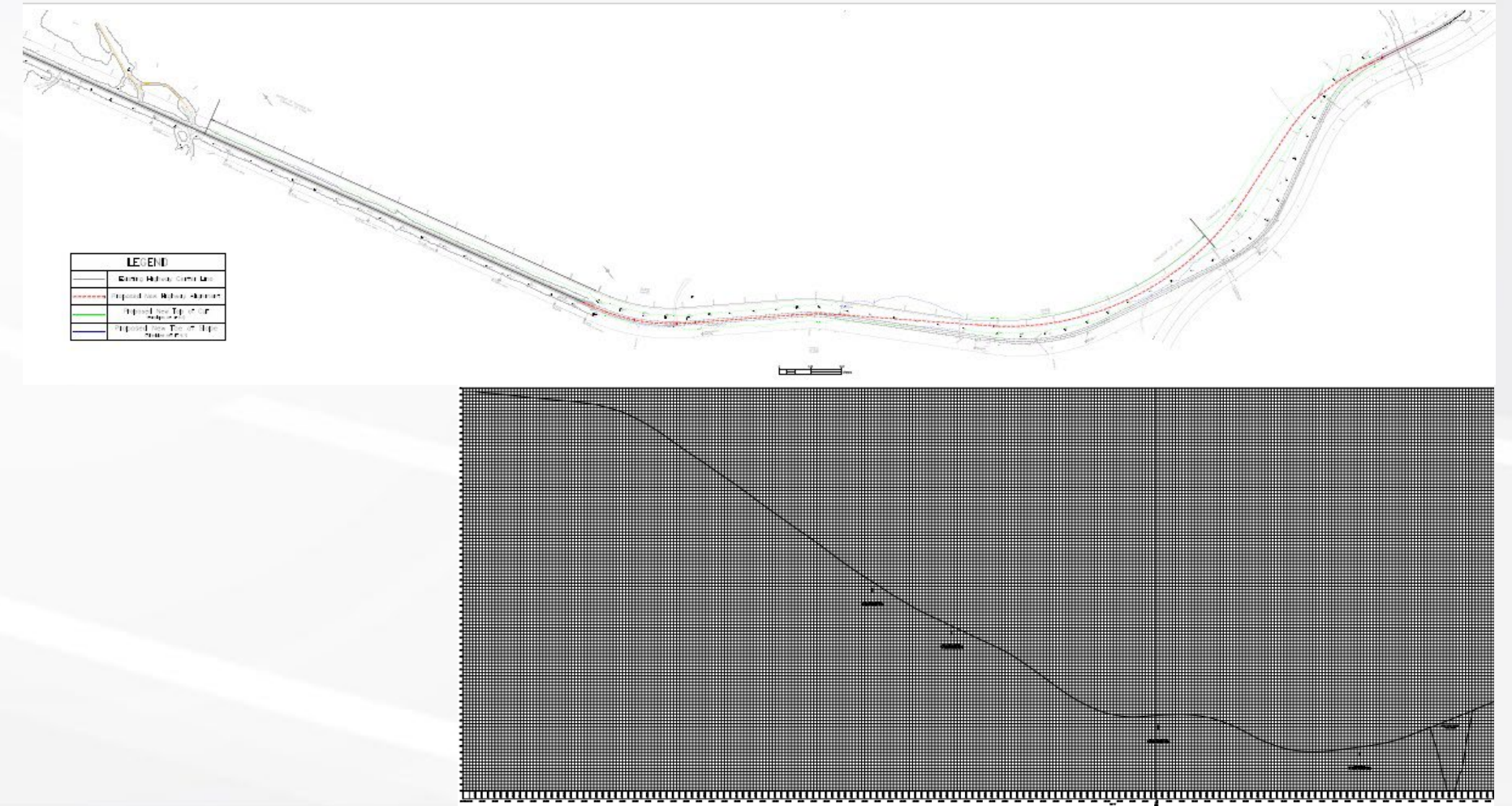
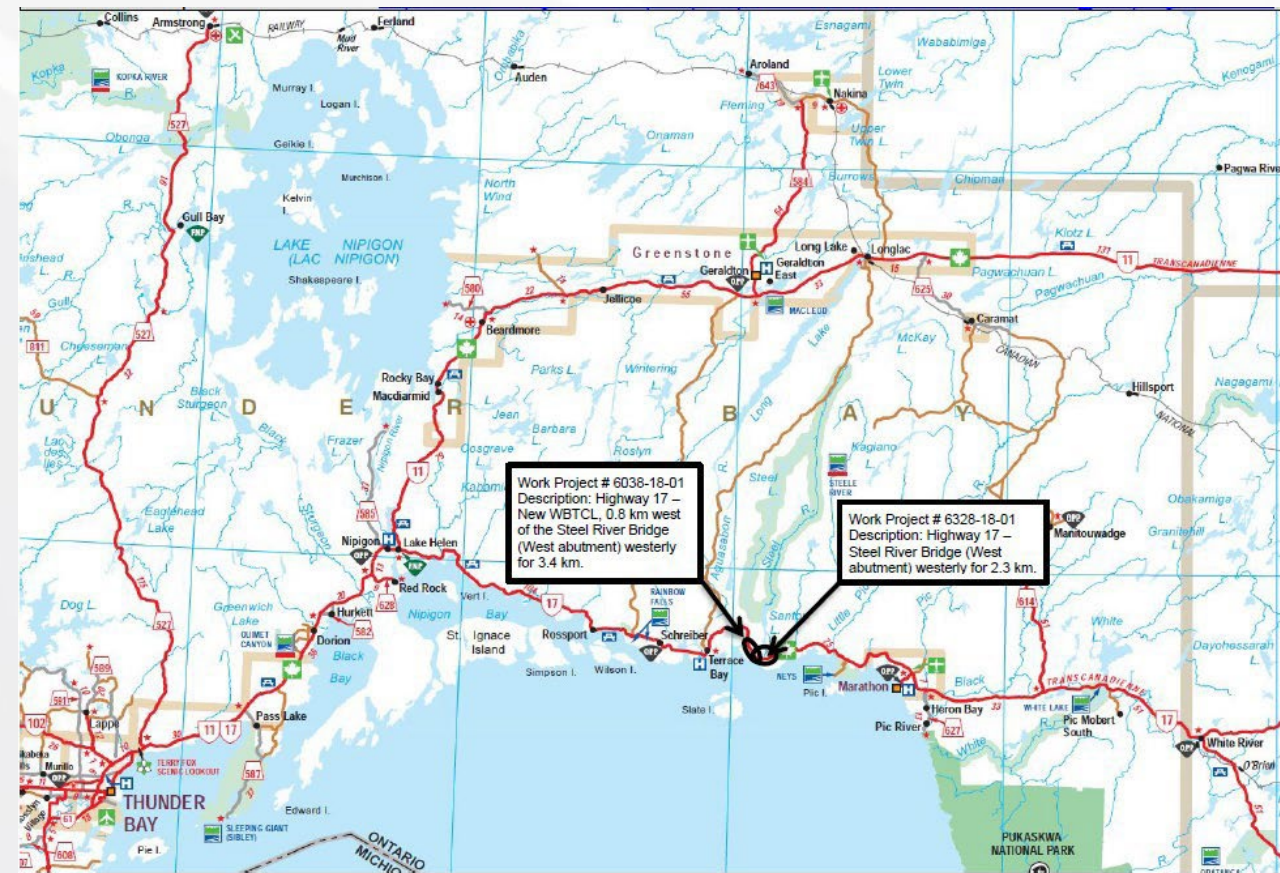
Highway 11/17 CN Overhead

- 4 km west of Highway 130.
- Proposed project scope of work anticipated to include minor rehabilitation:
Patching, water proofing, paving,
including expansion joint replacements.
Refacing abutments and recoating of structural steel.
- Staged construction.
- Anticipated Advertising late Winter/Spring 2024.
- Project is expected to be completed by Fall 2024.



Highway 17 Realignment West of Steel River

- 22 km east of Terrace Bay easterly ~4.1 km
- Highway 17 realignment with a new westbound truck climbing lane.
- New snowplow turnaround.
- Design being completed in-house.
- Anticipated Advertising late Winter/Spring 2024.
- Project is expected to be completed by Fall 2025.



Highway 72, 664 & Ariano Bypass Paving

- 36 km north of Highway 17 northerly to Sioux Lookout including Ariano Bypass and Highway 664 westerly to Hudson.
- Total length of all Highways ~ 49.3 km.
- Highway reconstruction with platform widening
- Culvert and guide rail replacement.
- ROW clearing.
- Anticipated Advertising late Winter/Spring 2024
- Project is expected to be completed by Fall 2025.

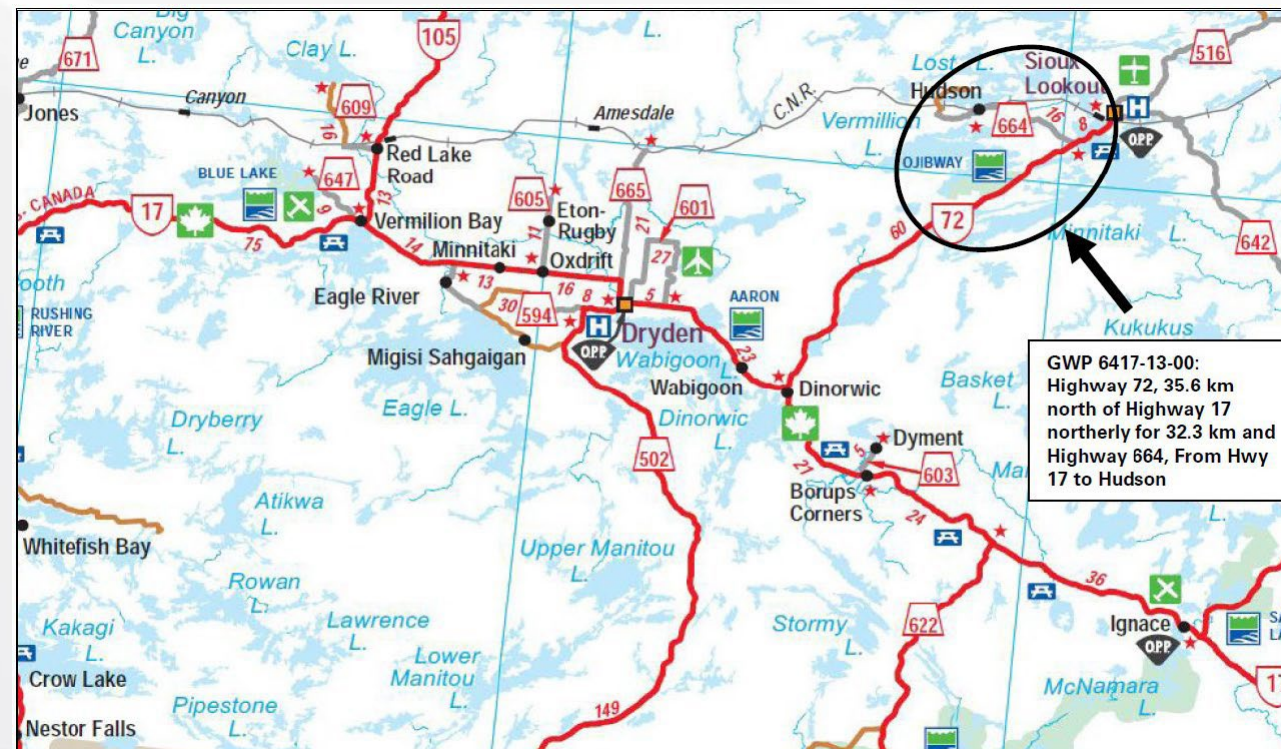
Intersection of Ariano Bypass & Highway 72



Intersection of Highway 72 & Highway 664

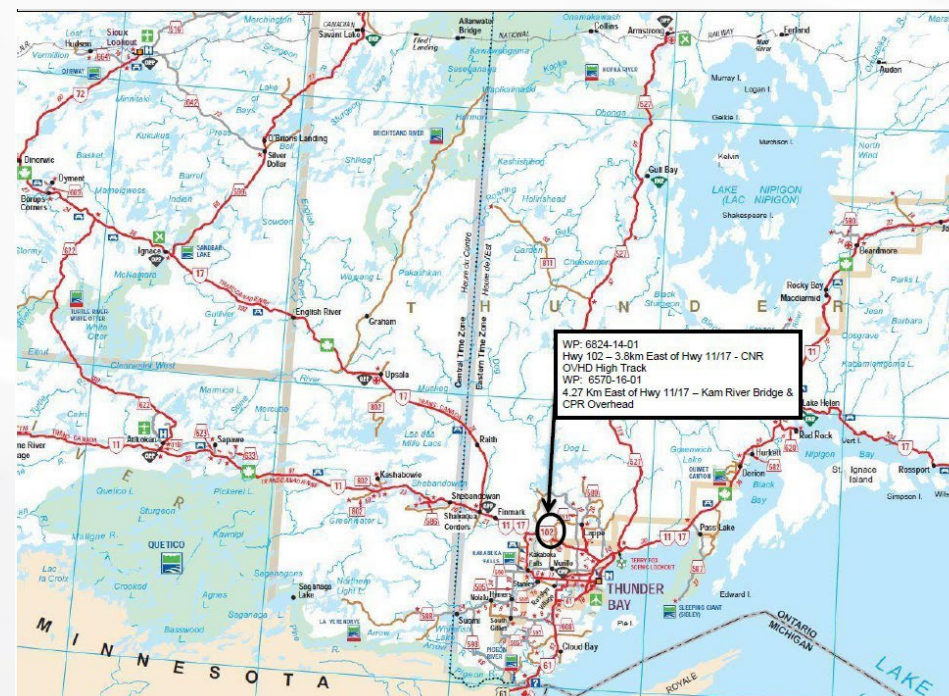


Highway 664 easterly limit



Highway 102 CPR Kaministiquia and CNR overheads

- 4 km east of Highway 11/17.
- Proposed project scope of work anticipated to include 2 major structural rehabilitations and 1 structural removal.
- **Kaministiquia River Bridge:** full deck removal and replacement with precast concrete panels, substructure patching, cathodic protection, and localized steel recoating.
- **CNR Overhead High Track:** rehabilitation with conversion to semi-integral abutments.
- **CNR Overhead Low Track:** structural removal and replacement with fill. CNR property acquisition required.
- Anticipated Advertising Summer 2024
- Project is expected to be completed by Fall 2026.



Kaministiquia River Bridge



CNR Overhead High Track



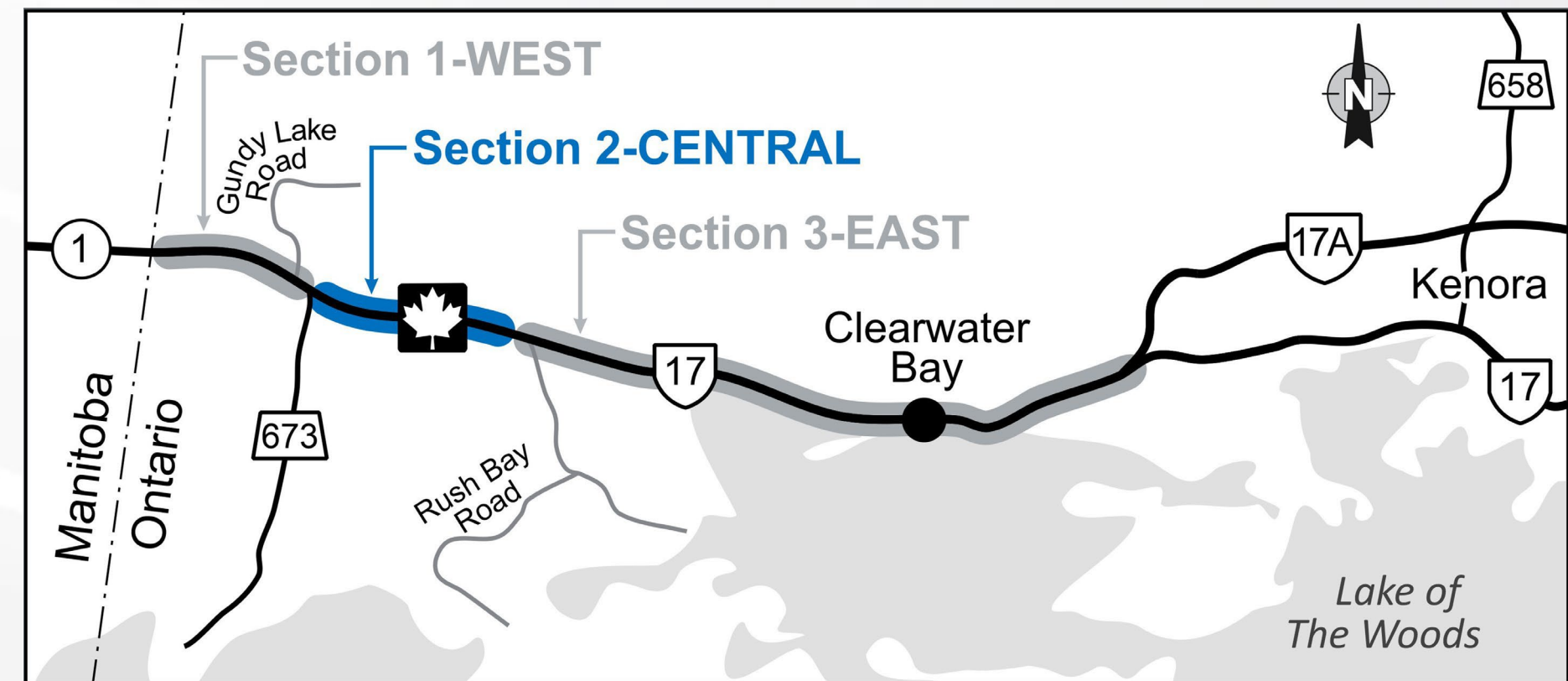
CNR Overhead Lower Track



Highway 17 4-lane Expansion Highway 673 to Rush Bay Road

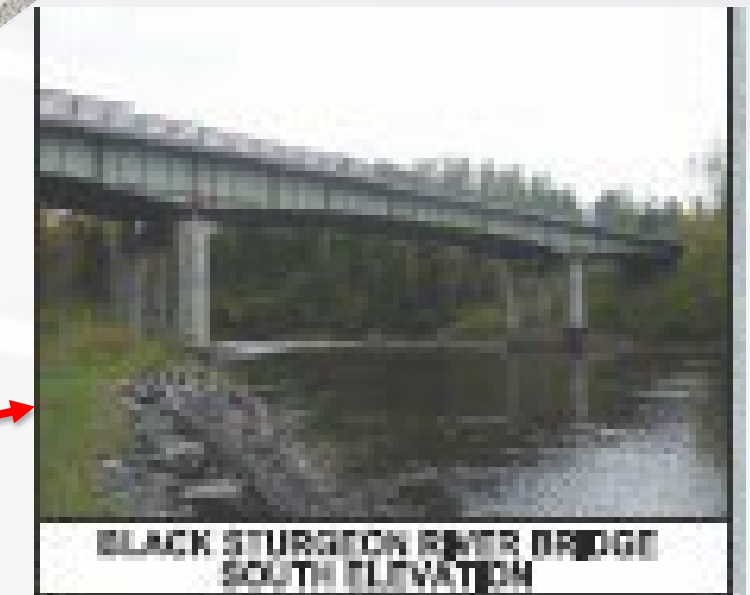
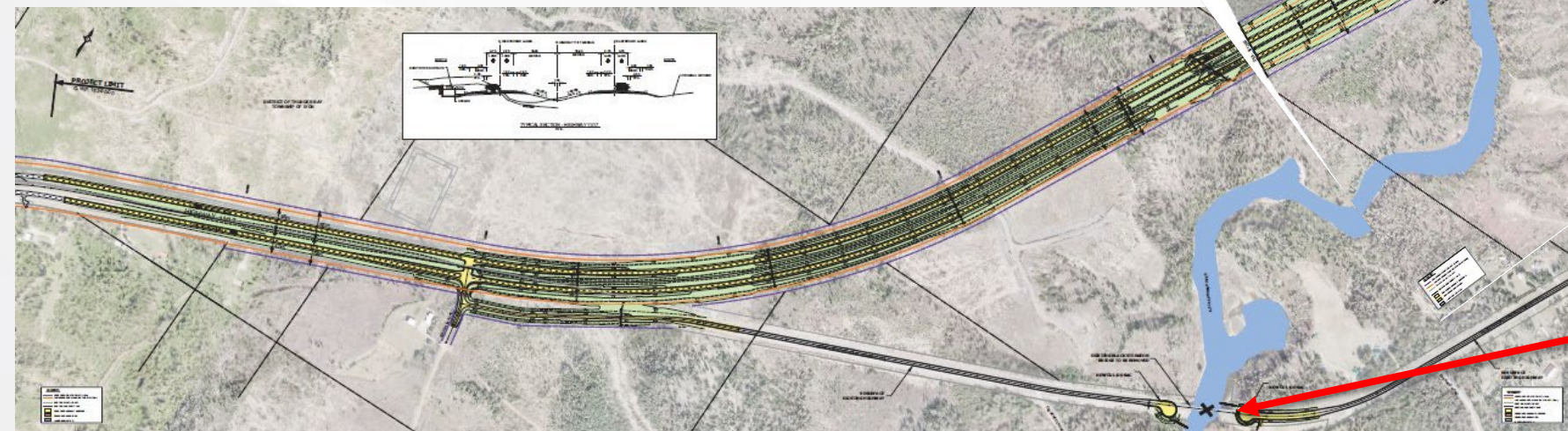
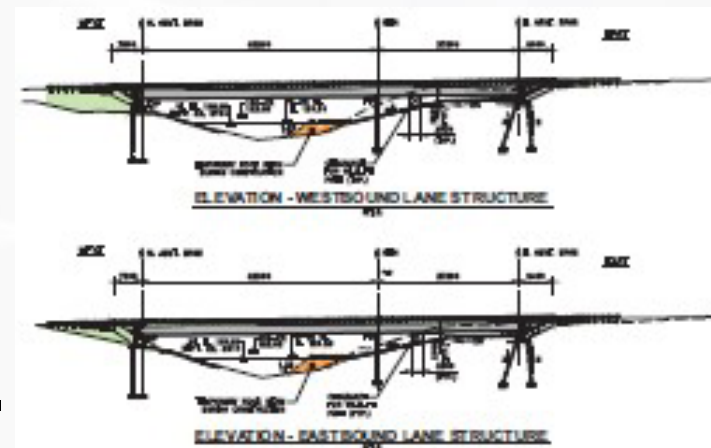
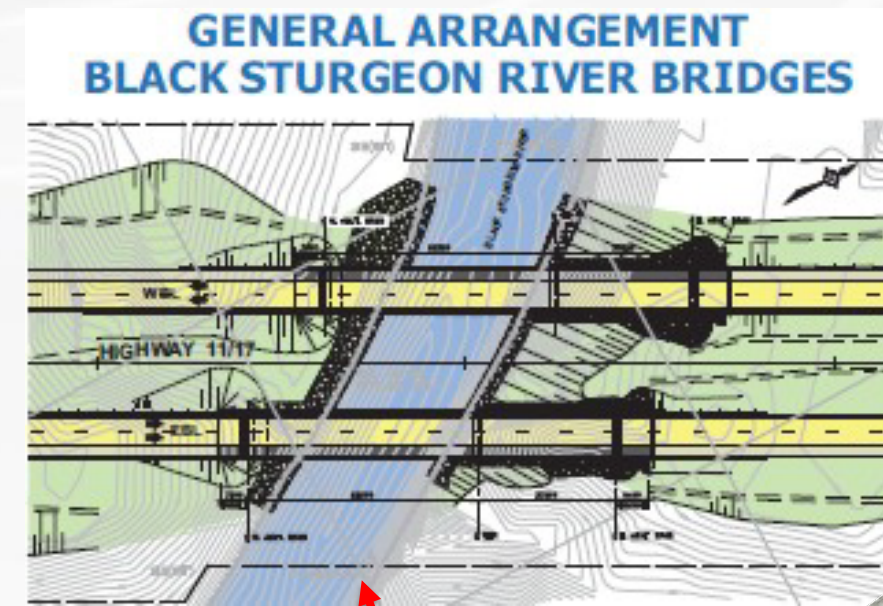
Section 2 – Manitoba to Kenora Four-Laning

- ~9.0 km Project Length.
- Preliminary Design currently evaluating route alternatives.
- Construction scheduled to begin in Spring 2025 and conclude in Fall 2027
- New culvert structures required at Moth Creek.
- Mandatory Indigenous Participation Requirements.



Highway 11/17 4-lane Expansion Red Rock Rd. No. 9 westerly to Coughlin Rd.

- 5 km of new four lane construction on new alignment.
- New twin structures crossing over the Black Sturgeon River.
- Maintain existing Highway 11/17 as service roads on both the east and west ends providing continued access for property owners.
- Removal of the existing bridge on Highway 11/17.
- Anticipated Advertising Spring 2024.



Operations – Northeast & Northwest

- Ongoing Enhancements
- Operator Challenges
- Tendering Schedule
- Minor Capital Program

Ongoing Enhancements

Contract Models:

- Continued transition to the new CDMC and MDMC models that include more prescriptive requirements.
- By winter 2026-27, all contracts in the province will transition to the new contract models.

Materials:

- Increased proactive use of anti-icing liquids in advance of a winter storm, where conditions are appropriate.
- Contracts include requirement to supply anti-icing liquid appropriate for winter season temperatures.

Technology:

- 24 new Road Weather Information Stations to enable better awareness and response to changing weather conditions.
- Use of underbody plows in Northern Ontario that are more effective in snow-pack and ice-pack conditions.
- Trial use of alternate winter maintenance materials that may be more suitable for extreme cold temperatures.
- Implementation of new equipment configurations including wide wing plows and medium duty combination units.

Communications:

- Winter maintenance/safe driving campaigns.
- Expanded network of Changeable Message Signs for winter weather messages.
- Installing more than 20 Portable Variable Message Signs (PVMS) across Northern Ontario to increase awareness about winter storms and highway closures where previously there was no coverage.



Wide Wing Plow



Medium Duty Combination Unit

Ongoing Enhancements

Research:

- Improved equipment calibration approach to ensure that required amount of winter material is placed on the roadway.
 - Excess material application results in losses and environmental impacts and less material may impact winter operations.
- Innovative use of pre-wet salt and sand to improve effectiveness.
- Use of larger capacity spreader box to spread salt/ sand over longer distances and reduce re-loading frequency.
- Pavement marking field trials involving recessed pavement markings and new pavement marking products for better reflectivity and durability.

Snow Plow Legislation

- Amendments to the Highway Traffic Act (HTA) came into effect on September 15, 2023, that prohibits the overtaking of snow plows working in echelon formation, on provincial highways with a posted speed limit of 80 km/hr.
- The amendment is expected to enhance safety by helping reduce unsafe passing manoeuvres around working snow plows.

New ON Trans-Canada Standard

- In November 2022, the ministry introduced a new "ON Trans-Canada" standard which requires contractors to clear Highways 11 and 17 to bare pavement within 12 hours of the end of a winter storm, four hours faster than the previous standard.
- The 12 hours bare pavement standard is intended to enhance winter maintenance services on Highways 11 and 17 while also optimizing the use of resources and protecting our environment.



Operator Challenges

- Lack of operators is an industry-wide issue that has a bearing on all sectors that require AZ/DZ licence and has started to impact the delivery of winter maintenance services, especially in Northern Ontario. Most winter vehicles require operators with an AZ or DZ licence.
- All maintenance contractors have been encouraged to enrol in the ministry's Drivers Certification Program (DCP) that gives ministry-approved organizations permission to train and test (upgrade or renewal) for commercial class licences (A-F), motorcycle licences and air brake endorsement.
- The ministry developed a guidance document to assist field staff in supporting contractors manage impacts of operator shortages, if ministry assistance is requested.
- MTO/ORBA joint working group has been exploring various options to mitigate operator shortages:
 - Include fair wage provisions in new procurements – implemented.
 - Equipment innovations such as wide wing plow and medium duty combination unit – implemented in select areas.
 - Enhanced guaranteed hours and retention incentives – being used by many maintenance contractors.
 - Working with SOLGEN to explore opportunities to train and employ suitable parolees as winter equipment operators.
 - Opportunities to increase year-around work.



Contractor Directed Maintenance Contract (CDMC) – Tendering Schedule

- Four contracts were tendered and awarded in 2023
 - Owen Sound CDMC – awarded to IMOS
 - Thunder Bay West CDMC – awarded to Emcon
 - London CDMC – awarded to Emcon
 - Chatham CDMC – awarded to Emcon
- Six contracts are scheduled to be tendered in 2024 including:
 - Niagara CDMC,
 - Bancroft CDMC,
 - Huntsville CDMC,
 - Kingston East CDMC,
 - Kingston West CDMC
 - Hamilton CDMC.

Minor Capital Program

Northern Program- Northeast & Northwest

Minor Capital Expenditure (2022/23)

- \$15M

Summary of Project Types

- Pavements (preventative resurfacing, holding resurfacing, route and seal, surface treatment)
- Structural
- Traffic (signs, safety & operational improvements)
- Vegetation Management

Breakdown of Work

- Pavements 60%
- Structural 10%
- Vegetation 5%
- Facilities 5%
- Safety 5%
- Miscellaneous 15%

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