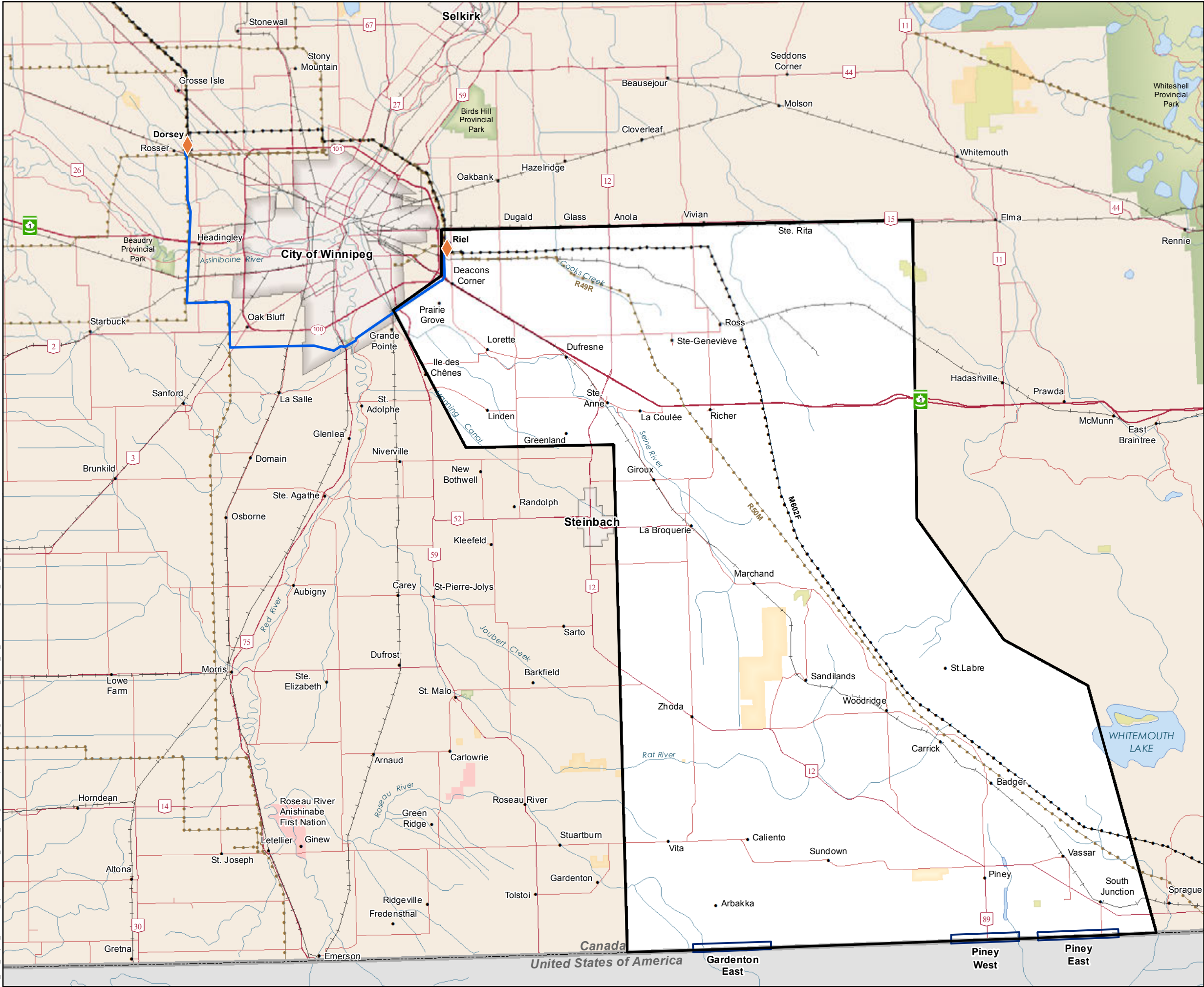


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Manitoba-Minnesota Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- Southern Loop Transmission Corridor

Infrastructure

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

Route Planning Area

- Border Crossing Area
- Route Planning Area

Landbase

- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015

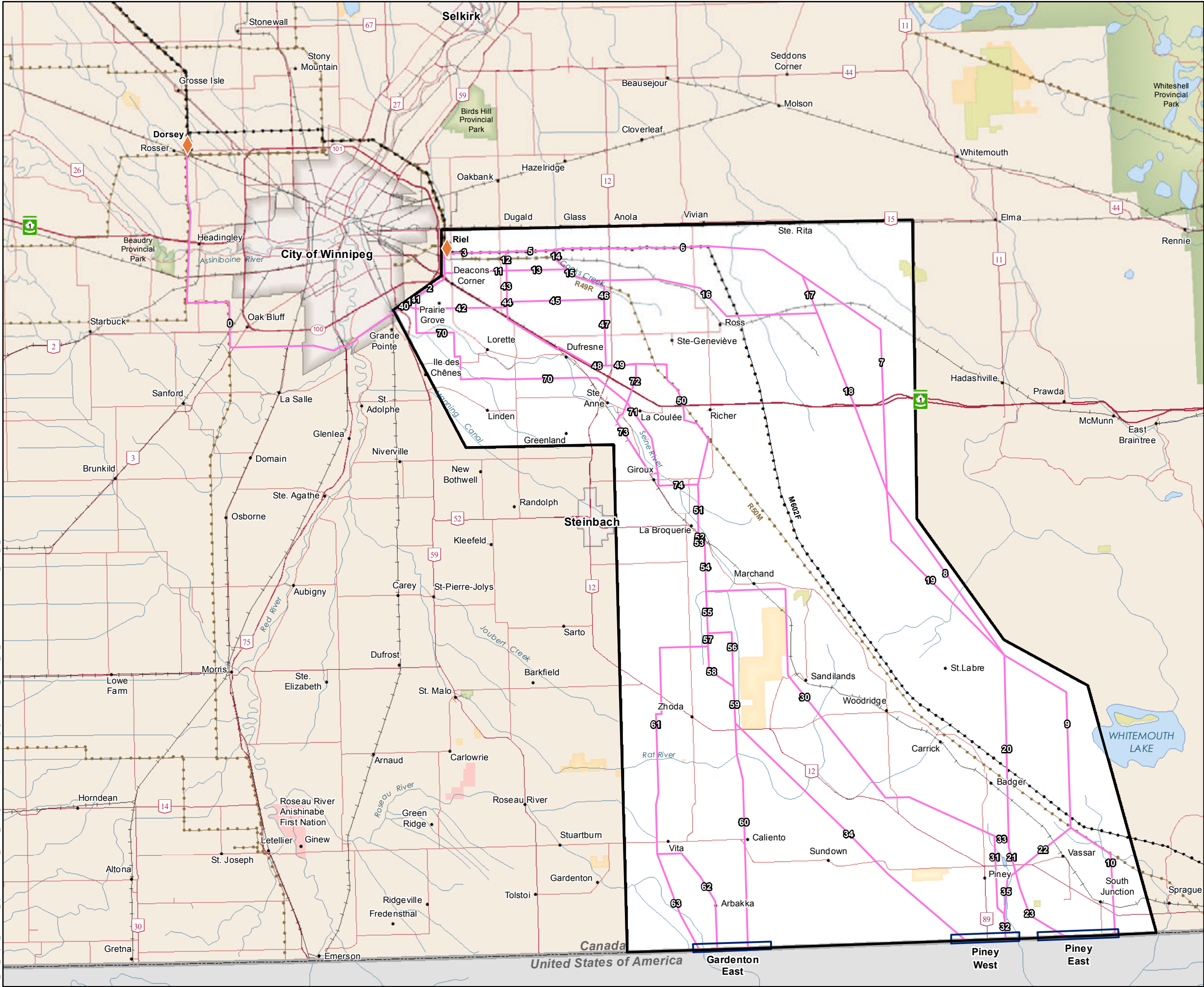
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0 5 10 Miles



1:500,000

Route Planning Area

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Manitoba-Minnesota Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- Round 1 Alternative Routes

Infrastructure

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

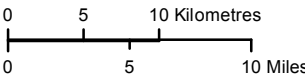
Route Planning Area

- Border Crossing Area
- Route Planning Area

Landbase

- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

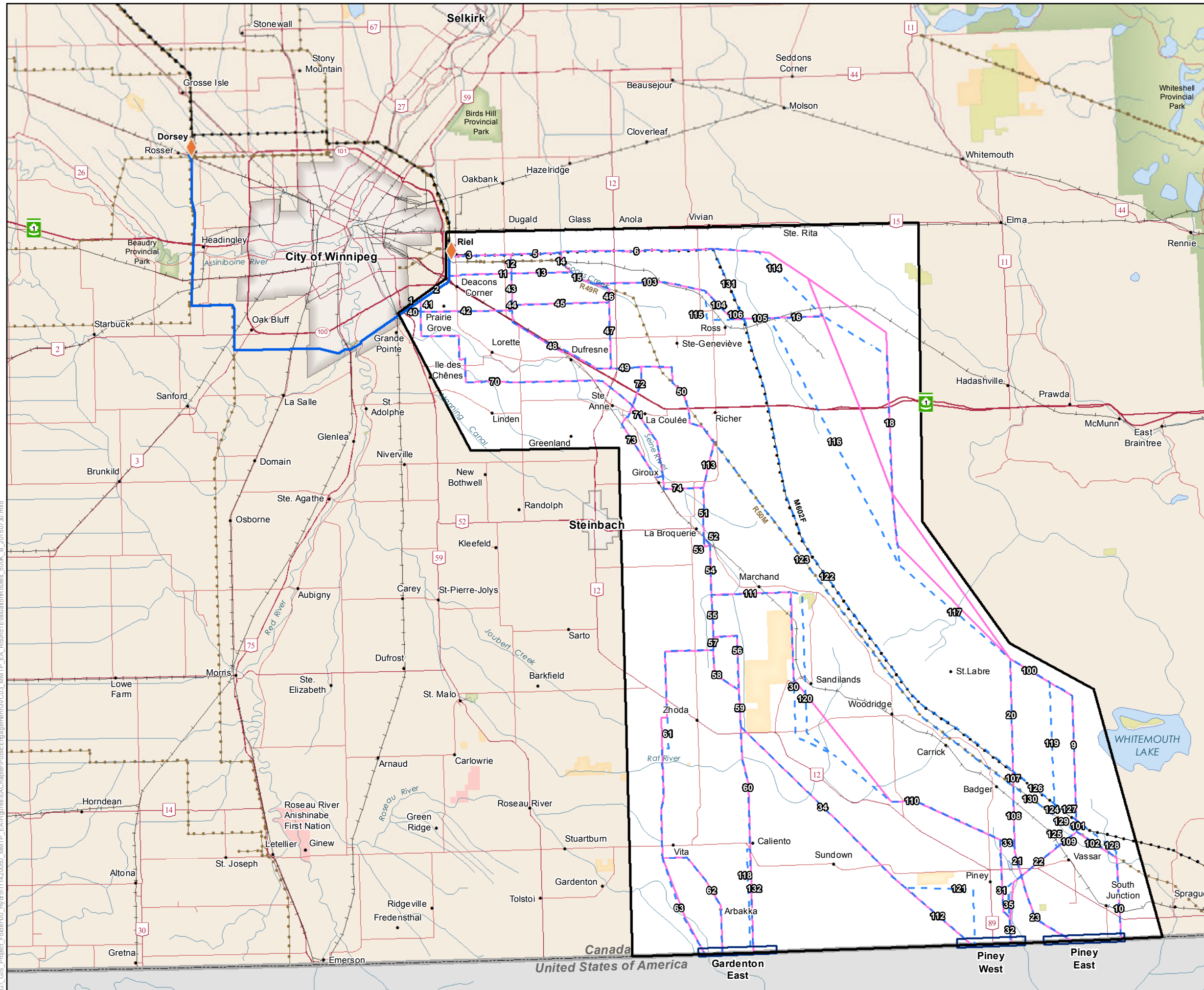
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Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015



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Round 1 Alternative Routes

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Manitoba-Minnesota Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- Southern Loop Transmission Corridor
- Round 1 Alternative Routes
- - Round 1 Mitigative Segments

Infrastructure

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

Route Planning Area

- Border Crossing Area
- Route Planning Area

Landbase

- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

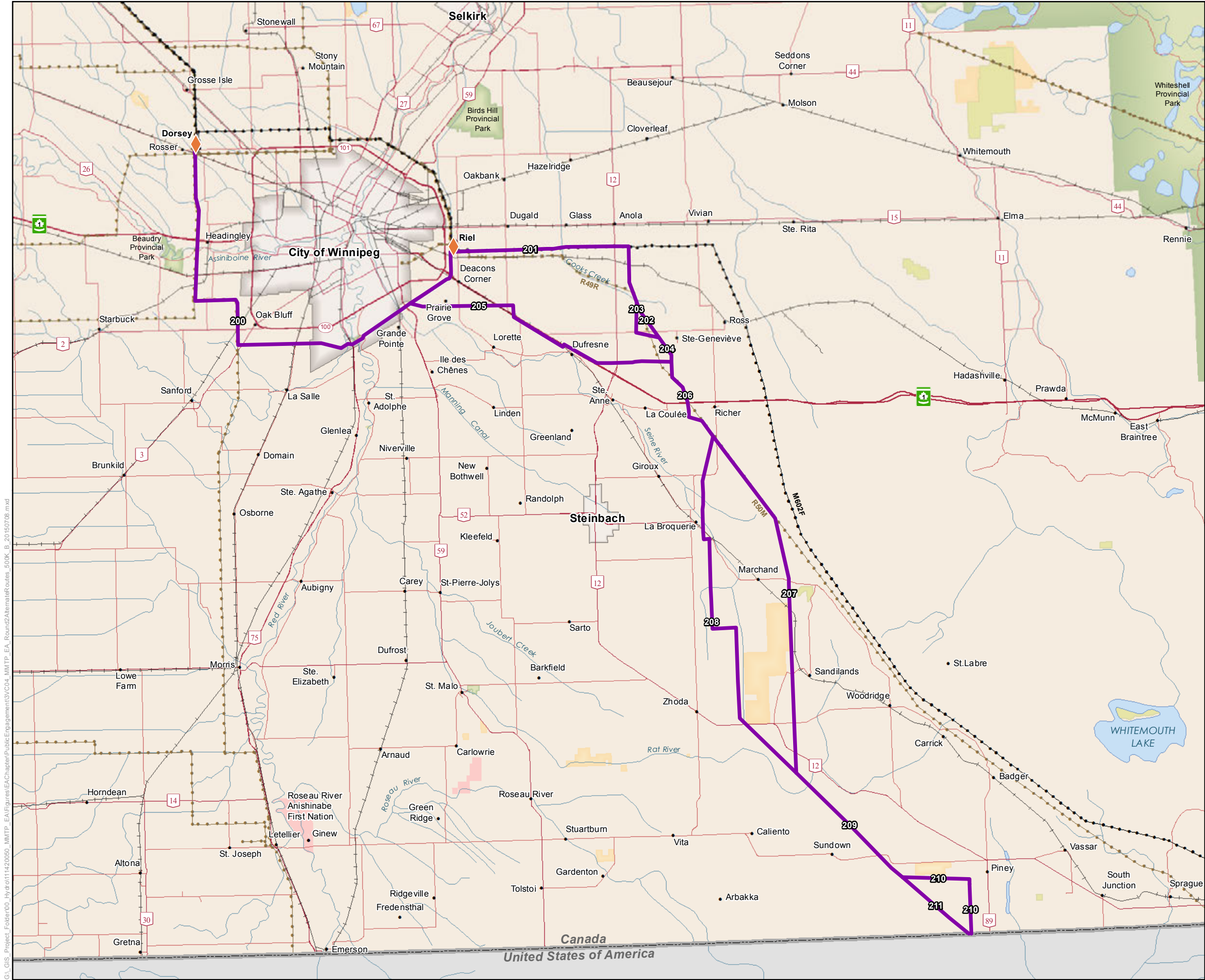
Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: August 04, 2015

0 5 10 Kilometres
0 5 10 Miles

1:500,000

Round 1 Mitigative Segments

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Manitoba-Minnesota Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- 200 Round 2 Alternative Route and Segment Number

Infrastructure

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

Landbase

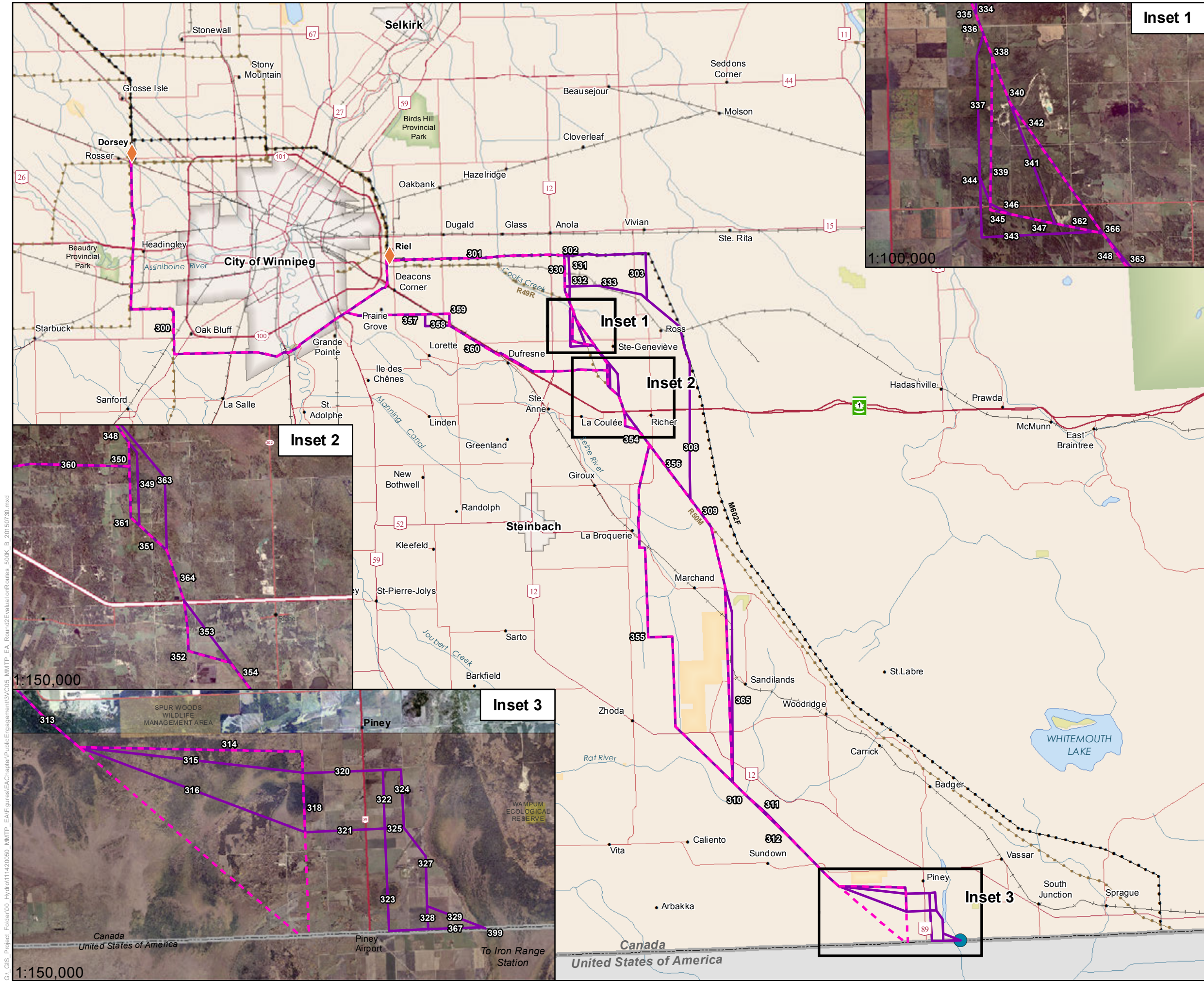
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015

0 5 10 Kilometres
0 5 10 Miles

1:500,000

Round 2 Alternative Routes



Inset 1



Manitoba-Minnesota Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- Round 2 Alternate Routes
- Round 2 Mitigative Segments and Segment Number

Infrastructure

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

Route Planning Area

- Adjusted Border Crossing

Landbase

- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

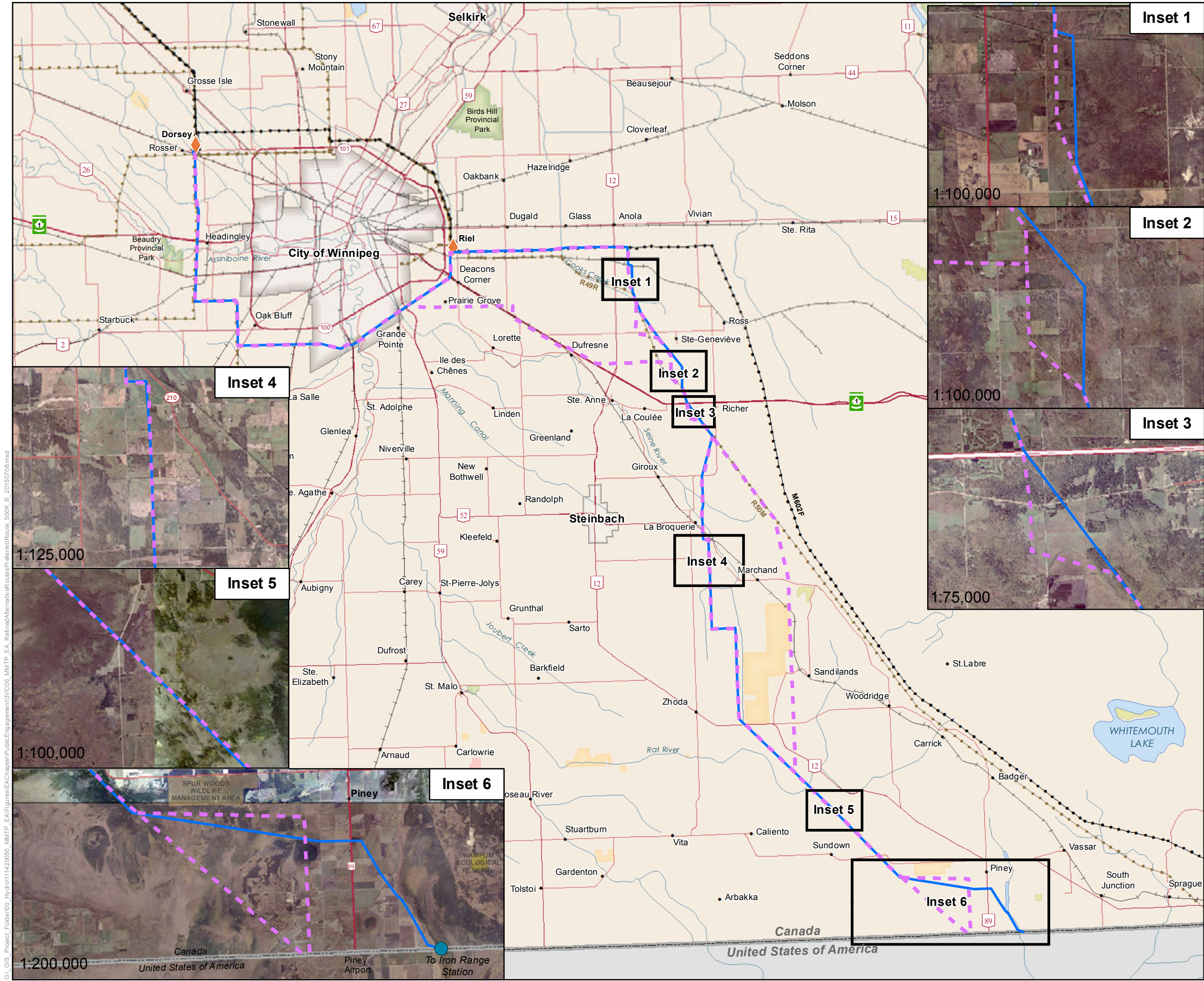
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Data Source: MBHydro, ProvMB, NRCAN
Date Created: August 04, 2015



0 5 10 Kilometres
0 5 10 Miles

1:500,000

Round 2 Mitigative Segments



Manitoba-Minnesota Transmission Project

- Project Infrastructure**
- ◆ Converter Station (Existing)
 - Preferred Route
 - - - Refined Alternative Routes (Round 2)
- Infrastructure**
- Existing 500kV Transmission Line
 - Existing 230kV Transmission Line
- Landbase**
- Community
 - Railway
 - Trans Canada
 - Provincial Highway
 - Provincial Road
 - City
 - First Nation Lands
 - Ecological Reserve
 - Wildlife Management Area
 - Provincial Park

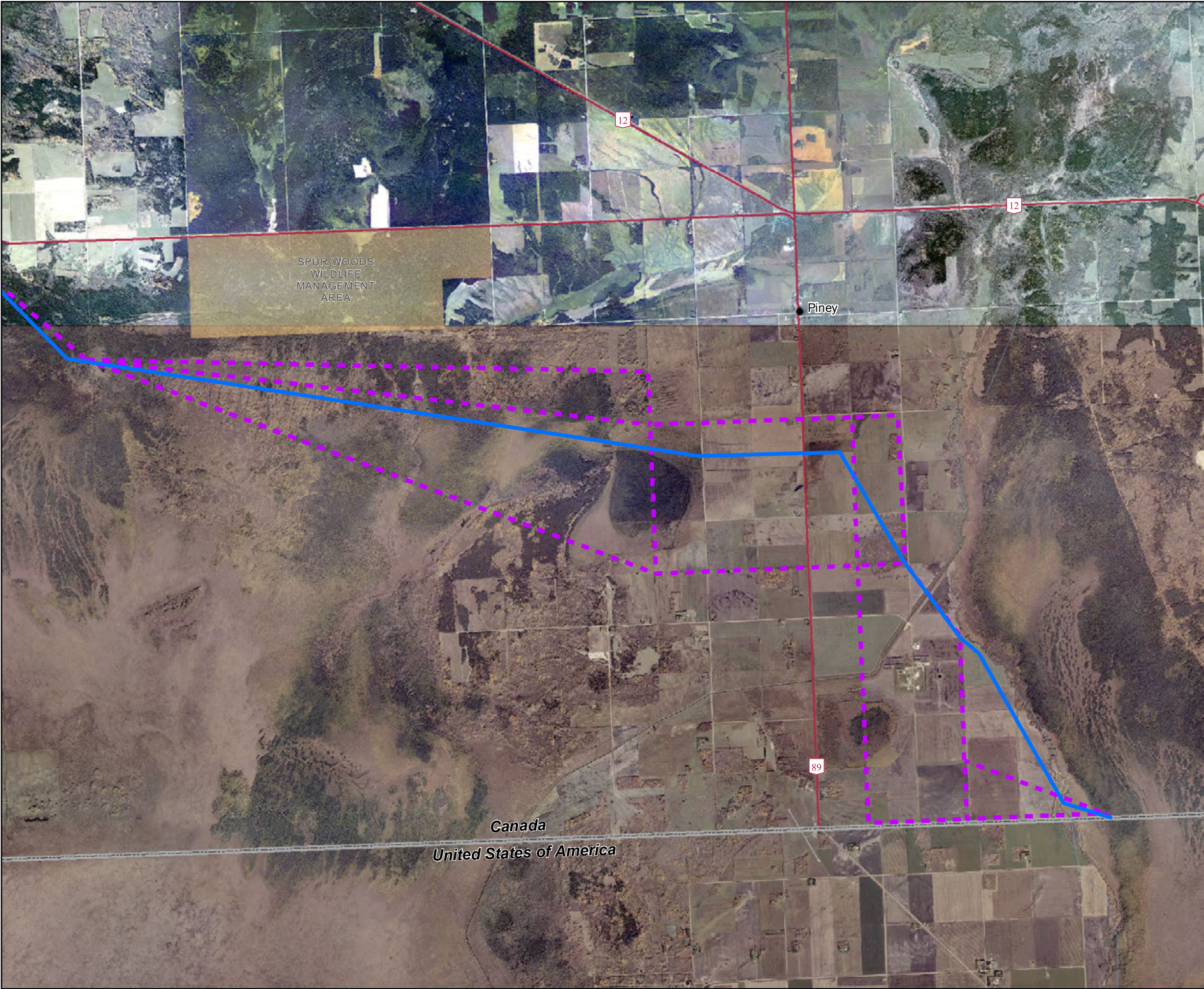
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Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015

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0 5 10 Miles

1:500,000

Refined Alternative Routes (Round 2) - Preferred Route

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Manitoba-Minnesota Transmission Project

- Project Infrastructure**
- Preferred Route
 - Refined Alternative Routes (October 2014)
- Infrastructure**
- Existing 500kV Transmission Line
 - Existing 230kV Transmission Line
- Landbase**
- Community
 - Provincial Highway
 - Provincial Road
 - Wildlife Management Area

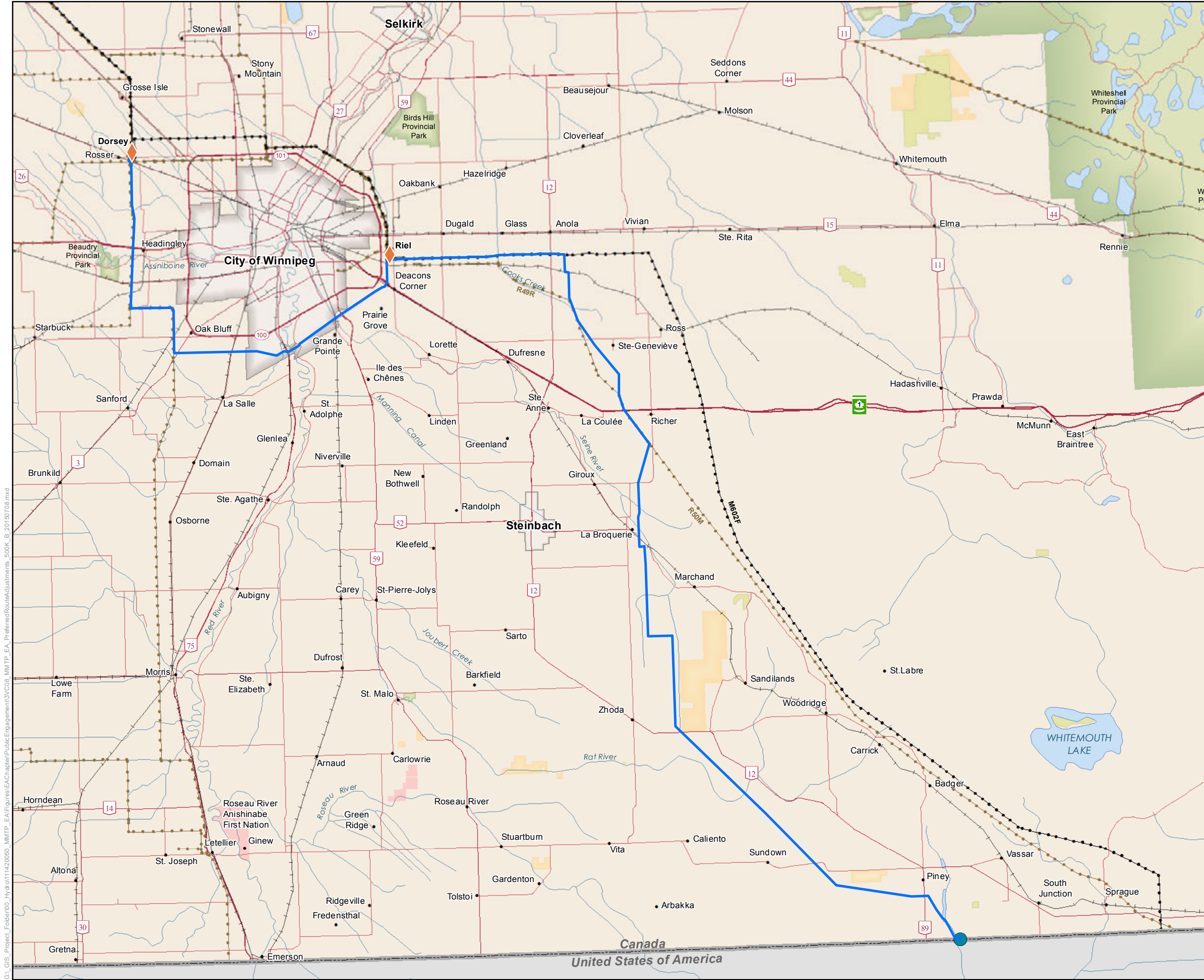
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Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015



0 1 Kilometres
0 0.5 1 Miles

1:60,000

Border Crossing Modification



Manitoba-Minnesota
Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- Preferred Route

Infrastructure

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

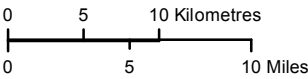
Route Planning Area

- Adjusted Border Crossing

Landbase

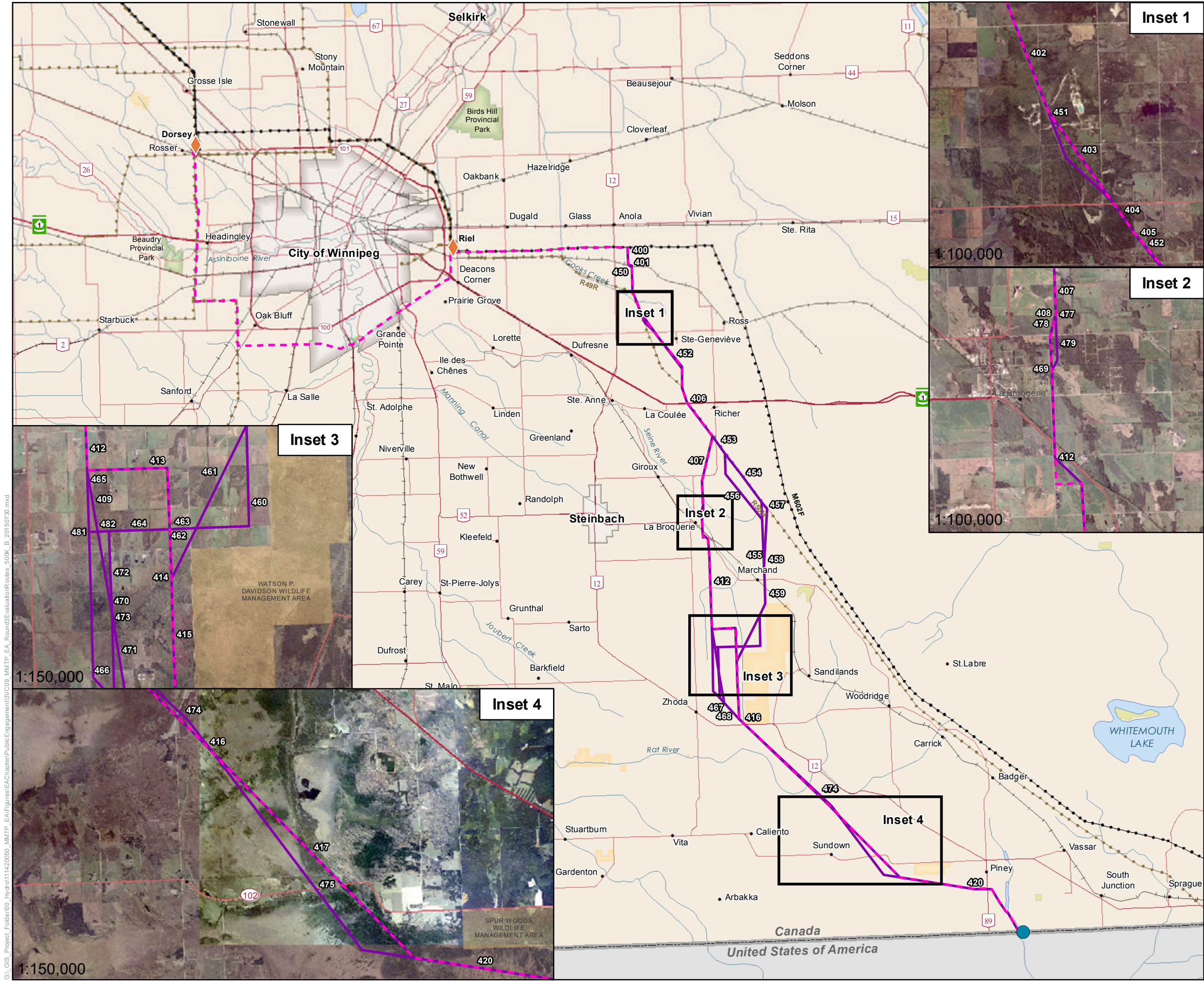
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015



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Preferred Route



Manitoba-Minnesota Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- - - Preferred Route
- - - Round 3 Mitigative Segments

Infrastructure

- - - Existing 500kV Transmission Line
- - - Existing 230kV Transmission Line

Route Planning Area

- Adjusted Border Crossing

Landbase

- Community
- - - Railway
- - - Trans Canada
- - - Provincial Highway
- - - Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

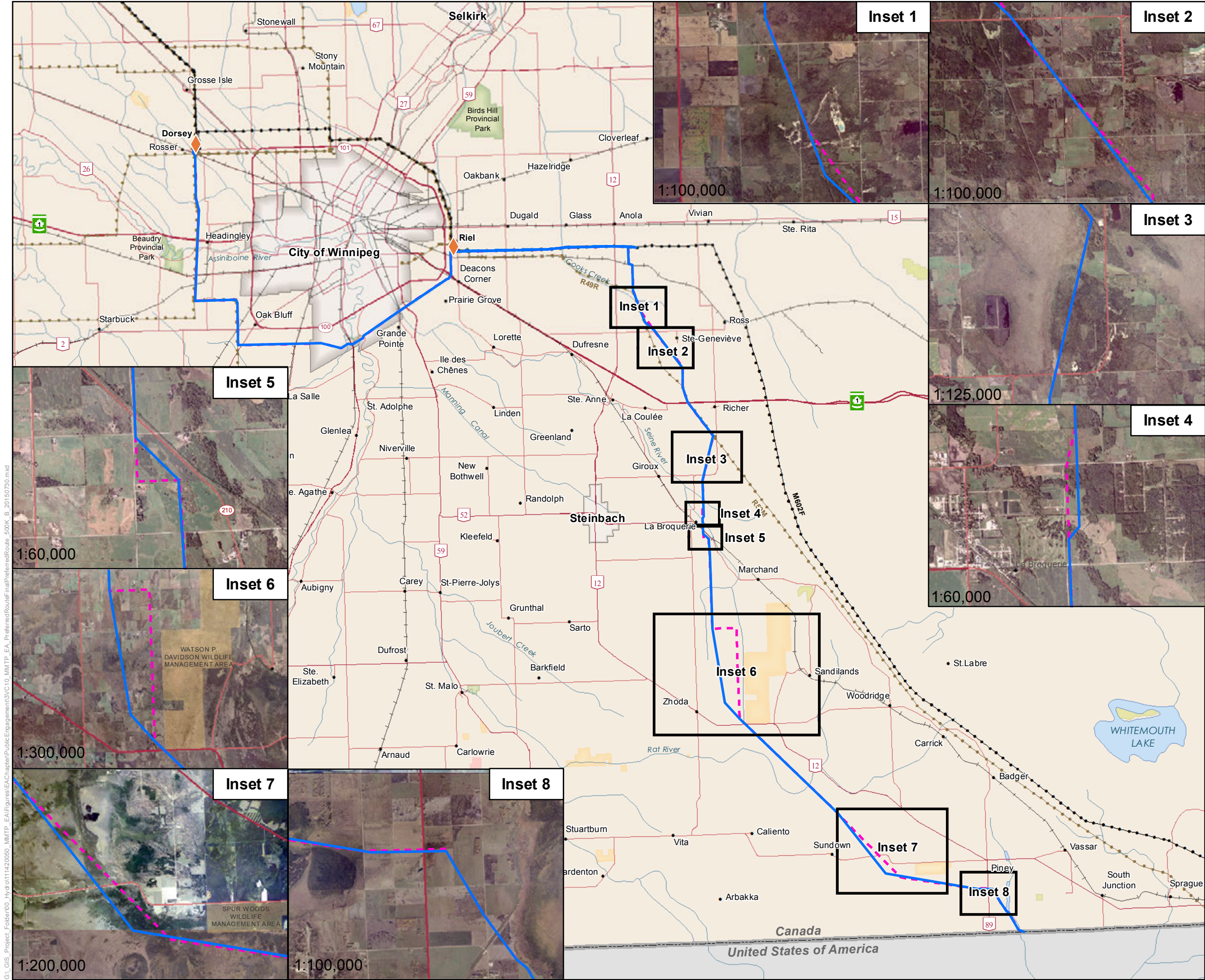
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Data Source: MBHydro, ProvMB, NRCAN
Date Created: August 04, 2015



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0 5 10 Miles

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Round 3 Mitigative Segments



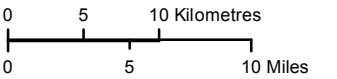
Manitoba-Minnesota Transmission Project

- Project Infrastructure**
- ◆ Converter Station (Existing)
 - Final Preferred Route
 - - Preferred Route (December 2014)

- Infrastructure**
- Existing 500kV Transmission Line
 - Existing 230kV Transmission Line

- Landbase**
- Community
 - Railway
 - Trans Canada
 - Provincial Highway
 - Provincial Road
 - City
 - First Nation Lands
 - Ecological Reserve
 - Wildlife Management Area
 - Provincial Park

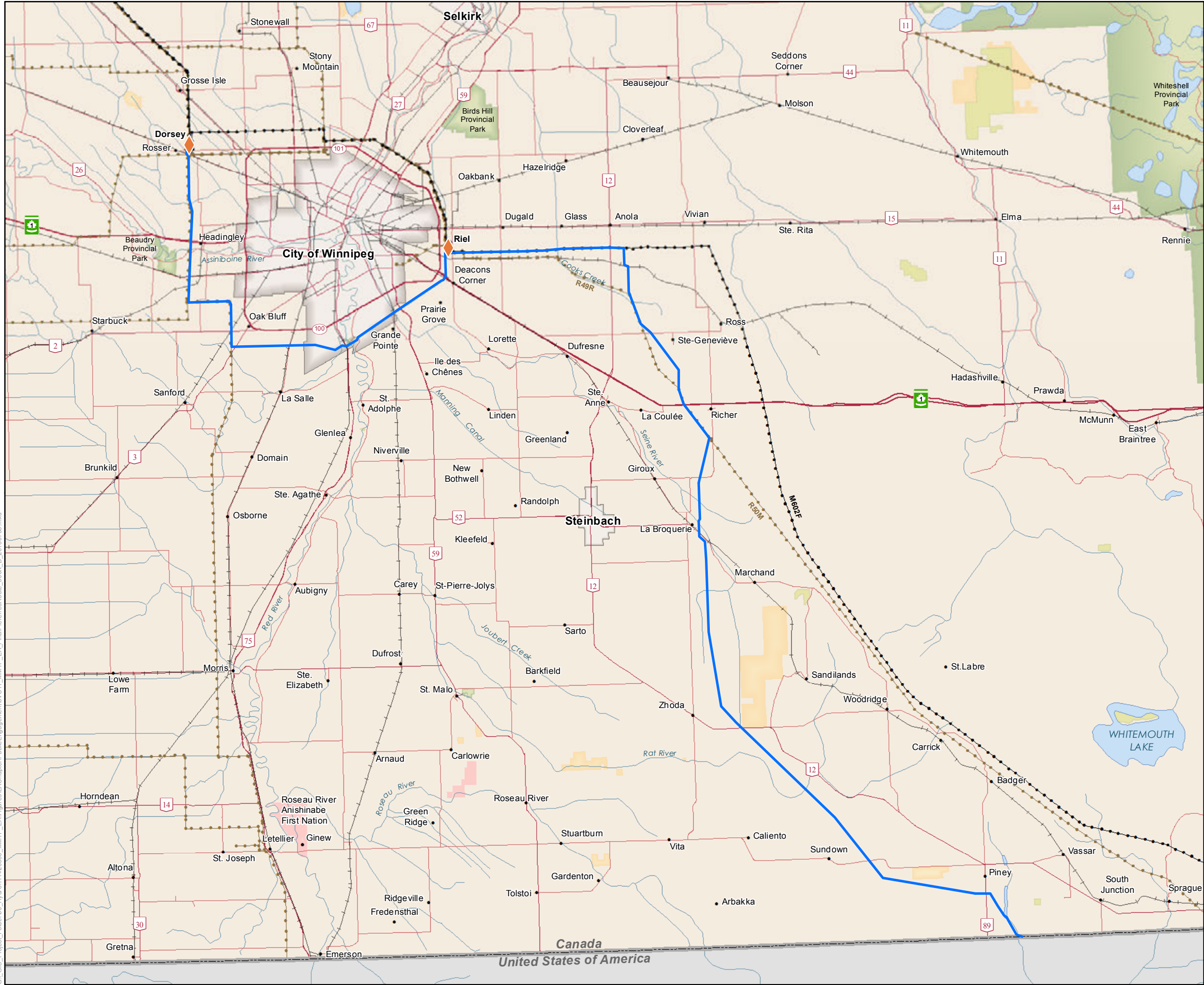
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Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015



1:500,000

Preferred Route (Round 3) - Final Preferred Route

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Manitoba-Minnesota Transmission Project

Project Infrastructure

- ◆ Converter Station (Existing)
- Final Preferred Route (FPR)

Infrastructure

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

Landbase

- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Ecological Reserve
- Wildlife Management Area
- Provincial Park

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 30, 2015

0 5 10 Kilometres
0 5 10 Miles



1:500,000

Final Preferred Route