

Engage

MB

Functional Design

**PTH 8 from PR 220 to PR
230**

*(including Holmes Road and
Kapelus Road)*



Purpose of Online Public Engagement

- The main purpose of this online public engagement is to receive input from the public and stakeholders on design options for:
 - 2 intersections along Provincial Trunk Highway (PTH) 8
 - Service road upgrades
- Preferred design options will be selected after analyzing feedback.

Purpose of the Functional Design Study

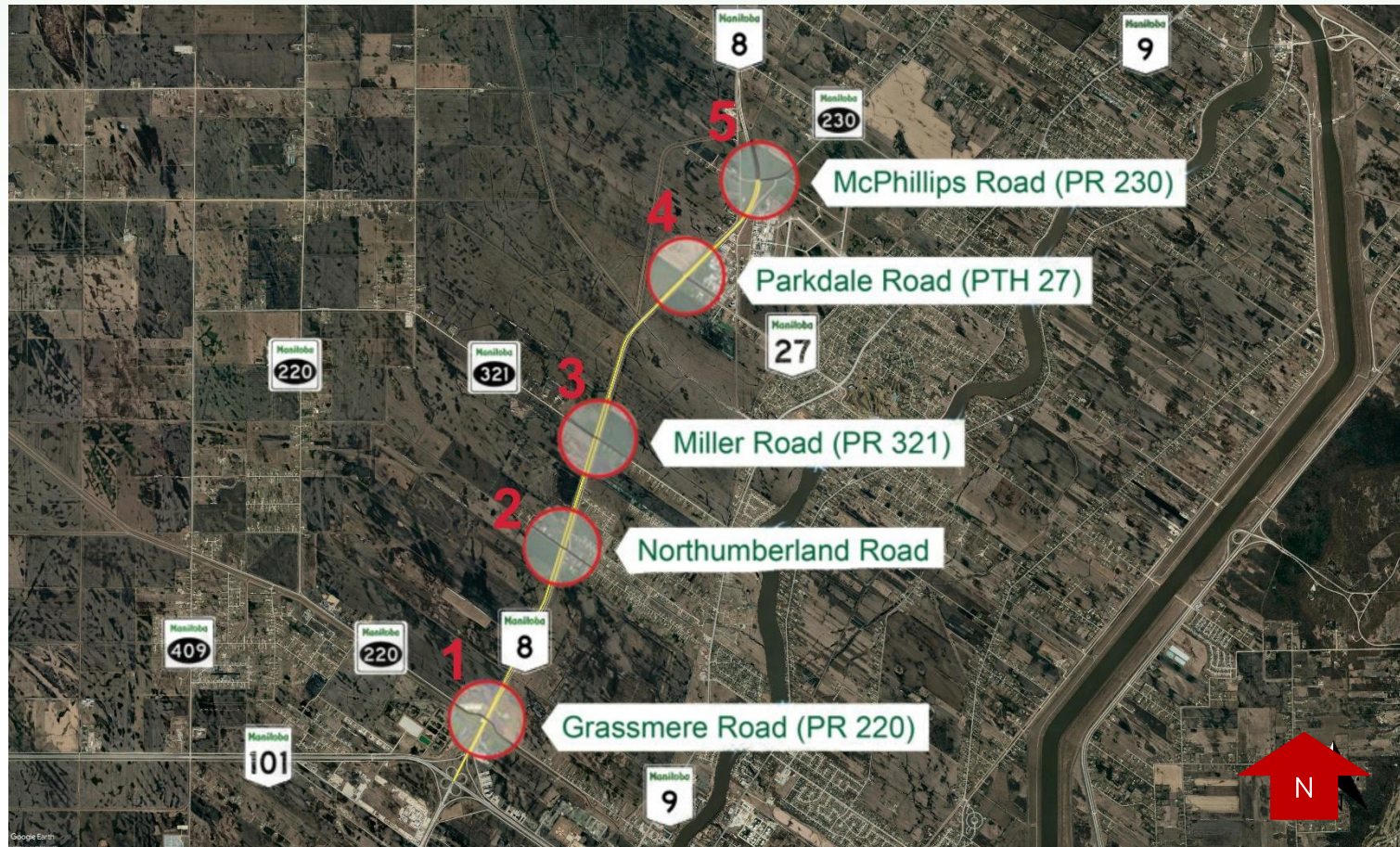
- The main purpose of the functional design study is to explore alternatives for the highway network on a section of PTH 8, including service roads and internal connecting roads, to help manage safety and traffic concerns.

Purpose of the Functional Design Study

- Seeking feedback on the following intersections:
 1. PTH 8 and PTH 220 (Grassmere Road)
 - a. Holmes Road Future Connection
 - b. East Service Road
 - c. West Service Road
 2. PTH 8 and Northumberland Road
 3. PTH 8 and PR 321 (Miller Road)
 4. PTH 8 and PTH 27 (Parkdale Road)
 5. PTH 8 and PR 230 (McPhillips Road)

Purpose of the Functional Design Study

- This slide illustrates the intersections along PTH 8.

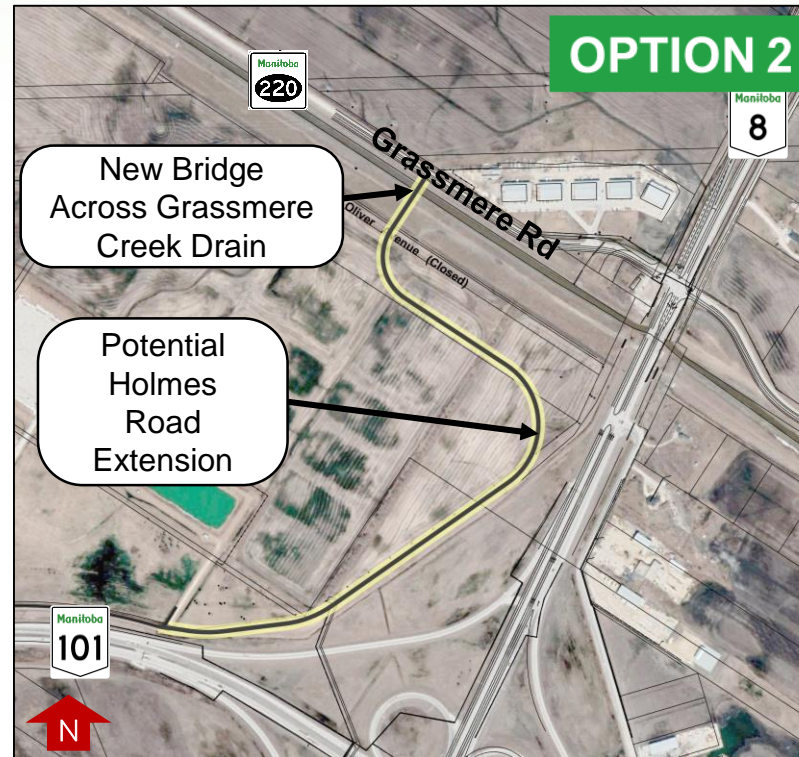
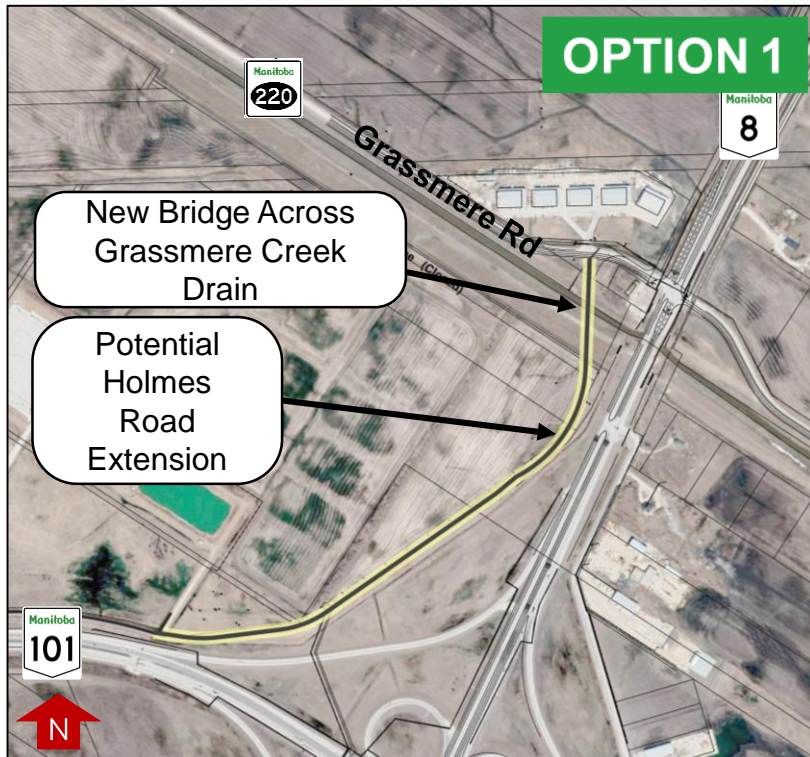


Project Description

- Issues:
 - Due to age and increase in both loading and traffic volumes, the condition of southbound lanes of PTH 8 have deteriorated significantly.
 - Numerous direct accesses to PTH 8 from both east and west sides create operational problems and safety concerns.
- Proposed Solutions:
 - Resurface the existing southbound lanes including shoulder widening and construction of proper embankment slopes.
 - Upgrade service roads and internal connecting roads and reduce direct property access on PTH 8 to improve safety.

Intersection 1a: PTH 8 and PR 220 (Grassmere Road) and Holmes Road Future Connection

- Two options are shown to connect Holmes Road to PR 220 (Grassmere Road) – both options would require a bridge over the Grassmere Creek Drain.



- Potential Property Acquisition
- Proposed Service Road

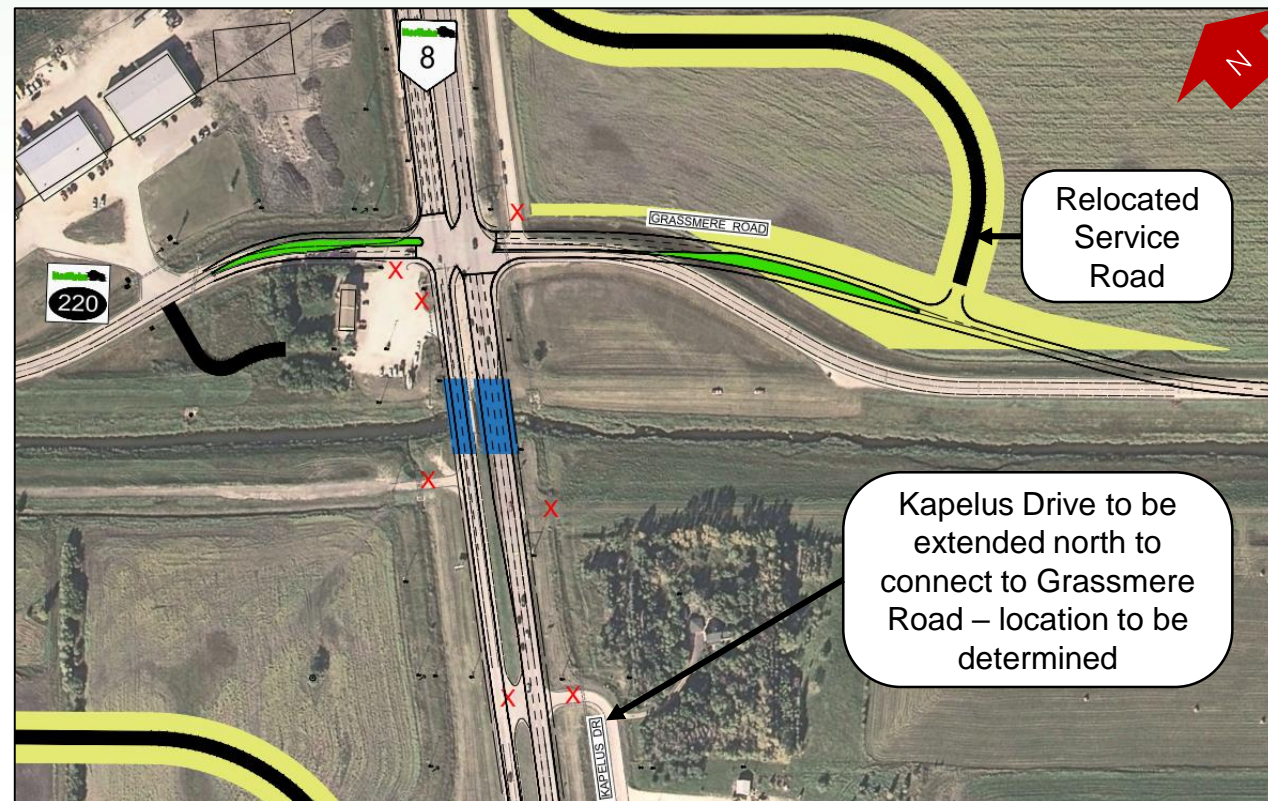
Intersection 1a: PTH 8 and PR 220 (Grassmere Road) Holmes Road Future Connection Options

- This chart provides a general comparison of the two options.

	OPTION 1	OPTION 2
UPGRADES	<ul style="list-style-type: none">Holmes Road connection close to PTH 8	<ul style="list-style-type: none">Holmes Road located 100m west of commercial buildings
ADVANTAGES	<ul style="list-style-type: none">Lower construction costsShortest travel distance	<ul style="list-style-type: none">Safety improved with intersection at PR 220 (Grassmere Road) along tangent with clear sight lines and farther away from PTH 8 intersection
OTHER DETAILS	<ul style="list-style-type: none">Additional trafficLess safe as intersection close to PTH 8	<ul style="list-style-type: none">More property acquisition requiredHigher construction costsSafer with better sightlines and distance from PTH 8

Intersection 1b: PTH 8 and PR 220 (Grassmere Road) – East Service Road

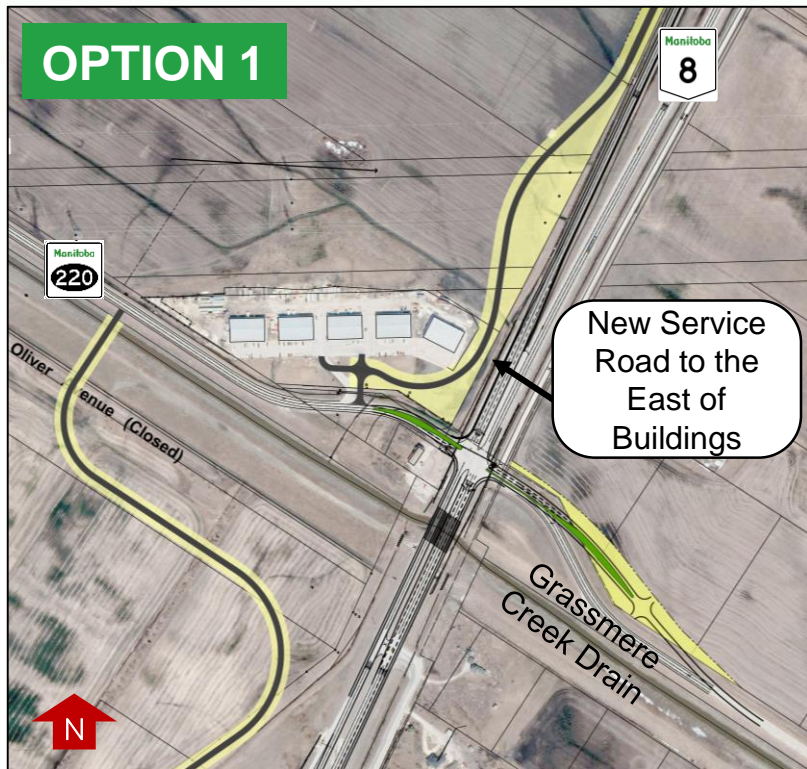
- This slide illustrates a new service road east of PTH 8.



- X** Access Closure **Green** New Median **Yellow** Potential Property Acquisition **Black** Proposed Service Road **Blue** New Wider Bridge Structures

Intersection 1c: PTH 8 and PR 220 (Grassmere Road) – West Service Road

- There are two options shown for a new service road west of PTH 8.



- Potential Property Acquisition
- Proposed Service Road
- New Median




Intersection 1c: PTH 8 and PR 220 (Grassmere Road) West Service Road

- This chart provides a general comparison of the two options.

	OPTION 1	OPTION 2
UPGRADES	<ul style="list-style-type: none">West Service Roads located between commercial buildings and PTH 8	<ul style="list-style-type: none">West Service Road located 100m west of commercial buildings
ADVANTAGES	<ul style="list-style-type: none">Lower construction costsShortest travel distance	<ul style="list-style-type: none">Safety improved with intersection at PR 220 (Grassmere Road) along tangent with better sight lines and farther away from PTH 8 intersection
OTHER DETAILS	<ul style="list-style-type: none">Heavier trafficAdditional dust for business ownersLess safe as intersection close to PTH 8Disruption to businesses during constructionRegrading of PTH 8 ditch required	<ul style="list-style-type: none">Intersection located at high-speed location of PR 220 (Grassmere Road)Additional property acquisition required north of Hydro power linesHigher construction costs

Intersection 2: PTH 8 and Northumberland Road

- There are two options shown for a new service road west of PTH 8. In the options, new driveways to existing homes are shown differently.
- Both options shows re-aligned access points to reduce the 'skew angles' allowing for better sightlines. This will also reduce collisions and improve safety.

-  Potential Property Acquisition
-  Proposed Service Road
-  Access Closure





Intersection 2: PTH 8 and Northumberland Road

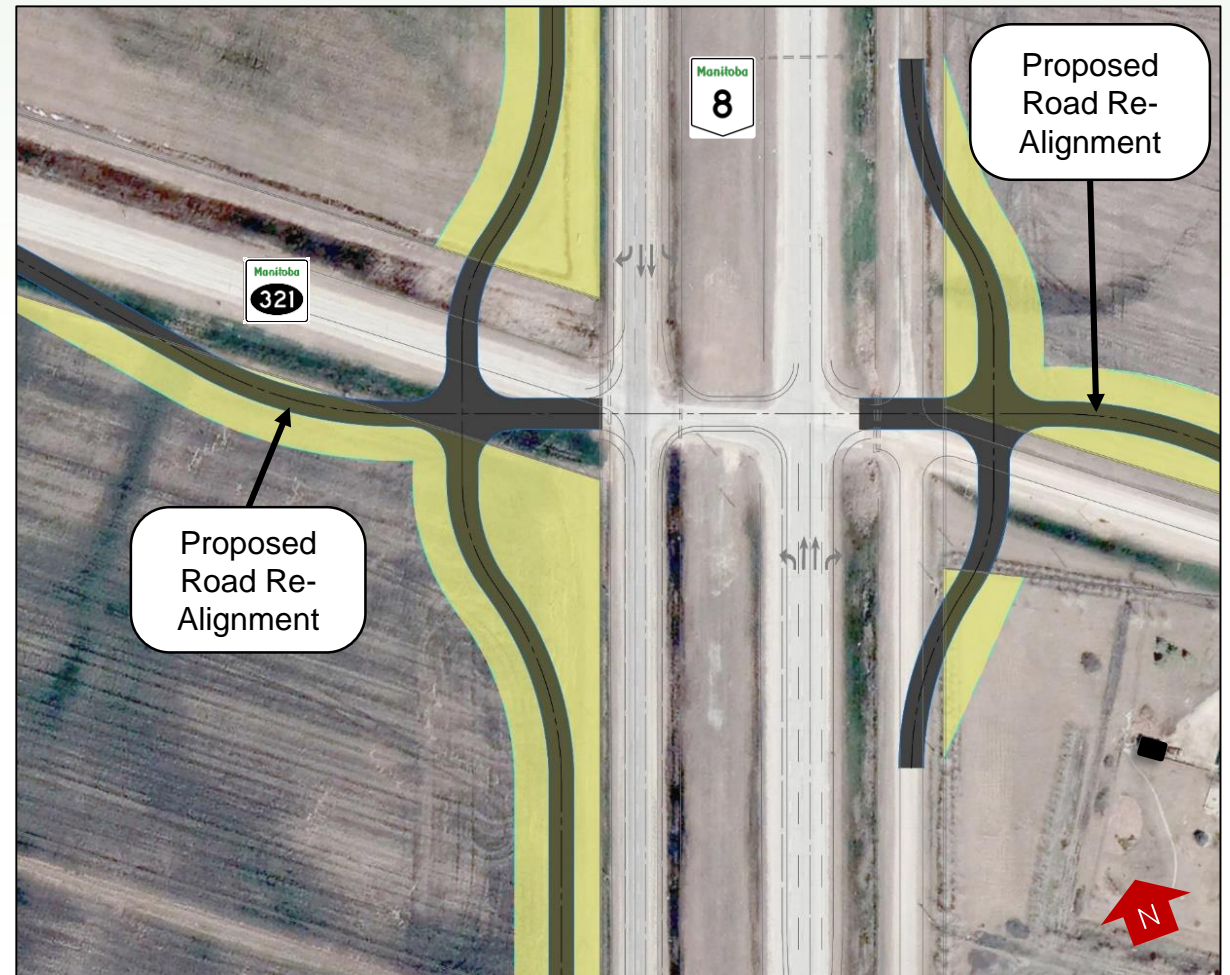
- This chart provides a general comparison of the two options.

	OPTION 1	OPTION 2
UPGRADES	<ul style="list-style-type: none">Service Road continues north/southTwo driveway connections	<ul style="list-style-type: none">Service Road continues north/southOne driveway connection
ADVANTAGES	<ul style="list-style-type: none">No headlight glare from driveways	<ul style="list-style-type: none">Fewer driveway connections
OTHER DETAILS	<ul style="list-style-type: none">More driveway connections	<ul style="list-style-type: none">Some headlight glare from vehicles eastbound on driveway

Intersection 3: PTH 8 and PR 321 (Miller Road)




- This slide illustrates proposed service roads and left and right turn lanes connecting PTH 8 and PR 321 (Miller Road).
- The proposed configuration has re-aligned access points to reduce the 'skew angles' allowing for better sightlines. This will also reduce collisions and improve safety.

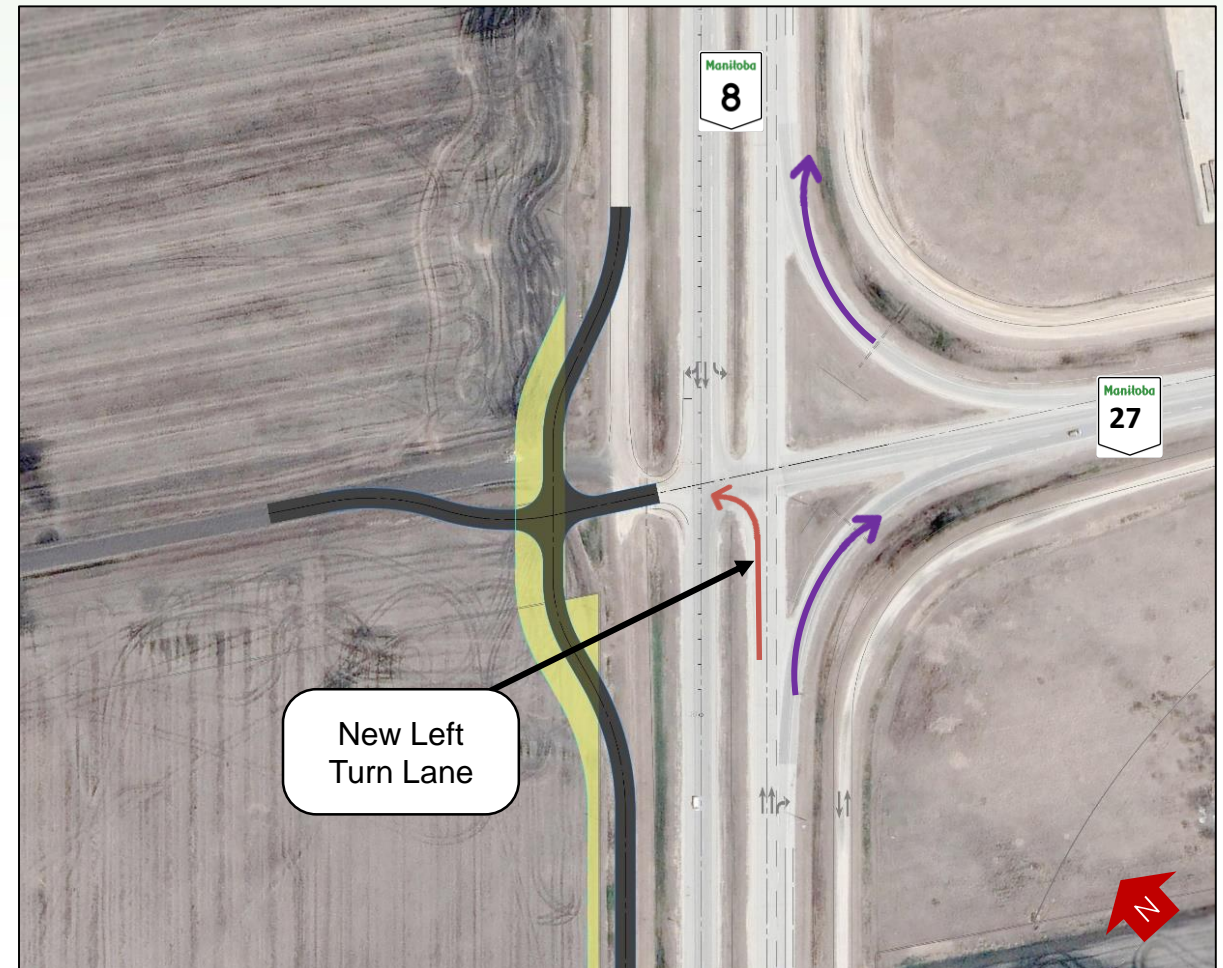
-  Potential Property Acquisition
-  Proposed Service Road



Intersection 4: PTH 8 and PTH 27 (Parkdale Road)




- This slide illustrates the proposed west service road and the proposed left turn lanes connecting PTH 8 and PTH 27 (Parkdale Road).
- The proposed configuration will improve safety by meeting current geometric standards and improving sight lines.

-  Potential Property Acquisition
-  Proposed Service Road
-  Proposed Lane Extensions



Intersection 5: PTH 8 and PR 230 (McPhillips Road)




- This slide illustrates the proposed northbound left turn lane connecting PTH 8 and Porcher Road.
- The proposed upgrades will improve safety by moving left turning traffic out of the main travel lanes.

-  Potential Property Acquisition
-  Proposed Service Road
-  Proposed New Left Turn Lane



Other Proposed Upgrades: Access Management





- This slide illustrates the series of access points along PTH 8 that are proposed to be closed to improve safety and minimize conflicts caused by direct access to PTH 8.
- This slide also illustrates the proposed west service road between Northumberland road and PR 321 (Miller Road).

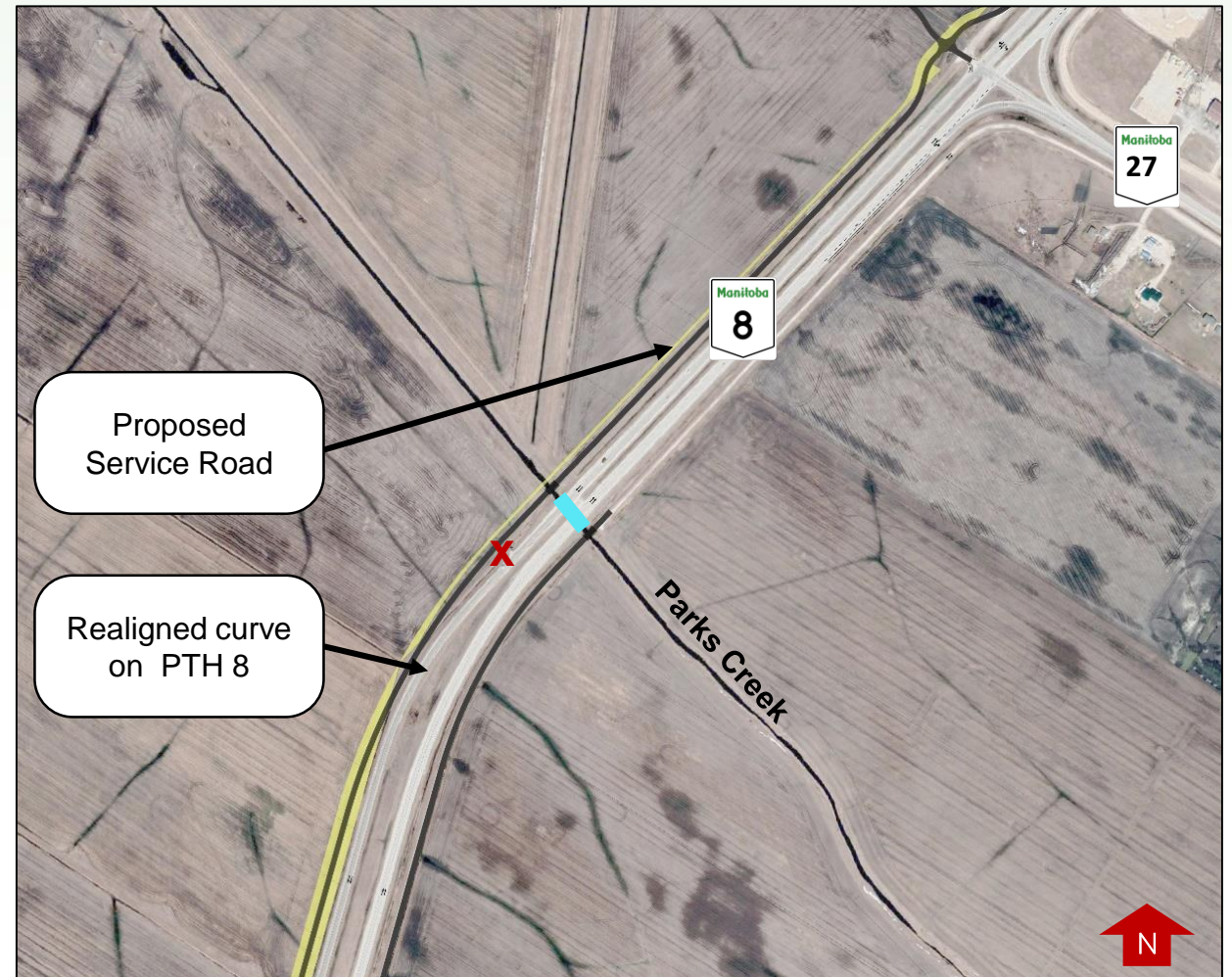
-  Potential Property Acquisition
-  Proposed Service Road
-  Access Closure



Other Proposed Upgrades: PTH 8 Road Alignment

- This slide illustrates the proposed adjustments to the road alignment of PTH 8 near Parks Creek to improve safety by having a gentler curve designed for higher speed while reducing the chance of collision.

-  Potential Property Acquisition
-  Proposed Service Road
-  Proposed Bridge Structure
-  Access Closure



Other Proposed Upgrades: Structures and Drainage

- Structures:
 - Upgrade the structure at Parks Creek.
 - Upgrade the structure at Grassmere Creek Drain.
- Drainage:
 - Improve land drainage including water flow in the ditches to reduce the possibility of water pooling at the various intersections along PTH 8.
 - Improve flow at Parks Creek and Grassmere Creek Drain during storm events.

What's Next?

- Incorporate feedback from public engagement to select the best options.
- The preferred options will be communicated online.