

PORT LANDS FLOOD PROTECTION

Port Lands Flood Protection Construction Liaison Committee Meeting #15

July 16, 2021



Agenda

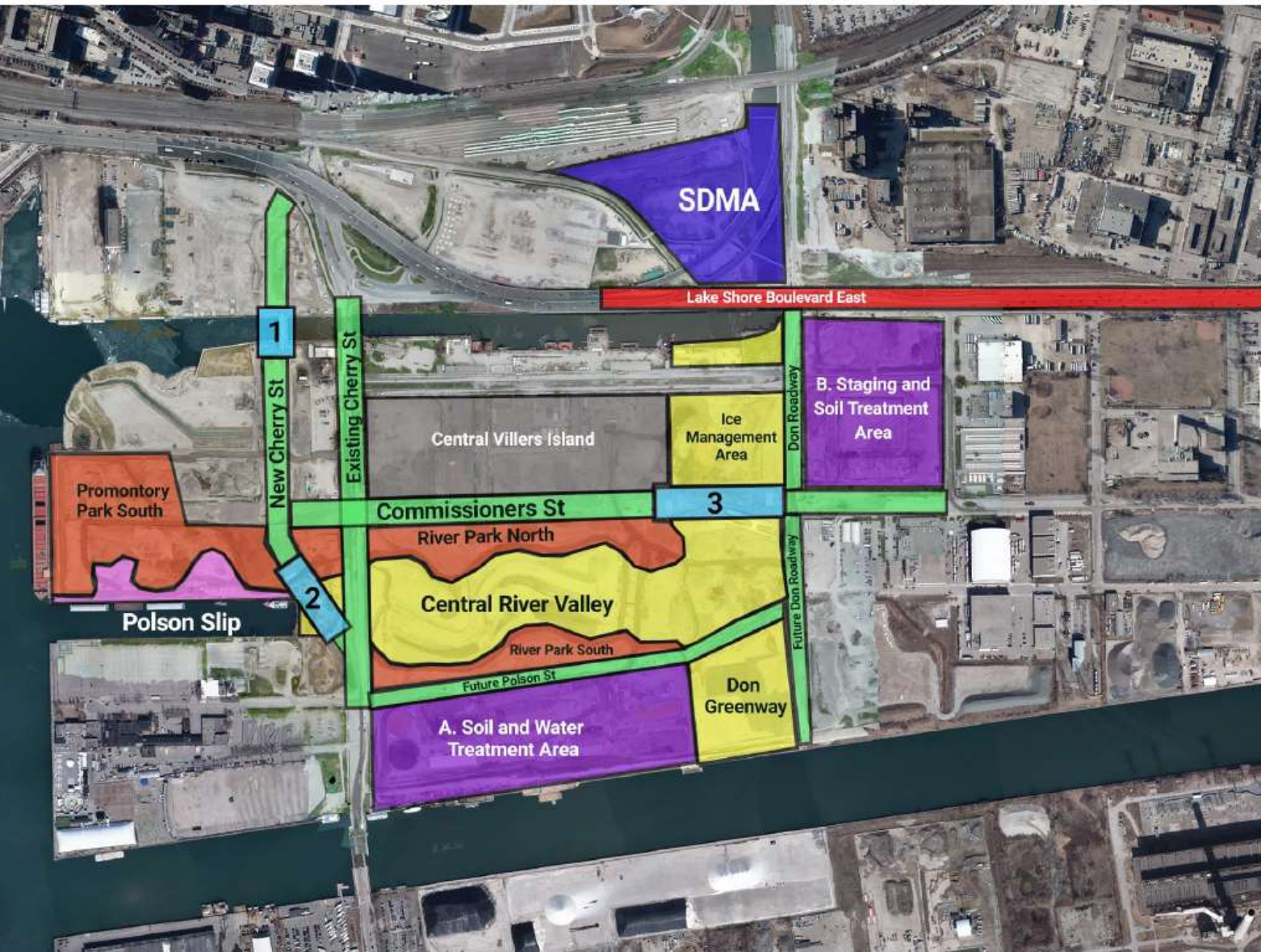
1. Introductions
2. Project Overview
3. Upcoming Construction Work
4. Construction Update: Port Lands Flood Protection
5. Lake Shore Boulevard
6. What We've Hear So Far: Feedback on LSBE Traffic Management Plan
7. Discussion and Feedback

Port Lands Flood Protection

What We'll Build by 2024



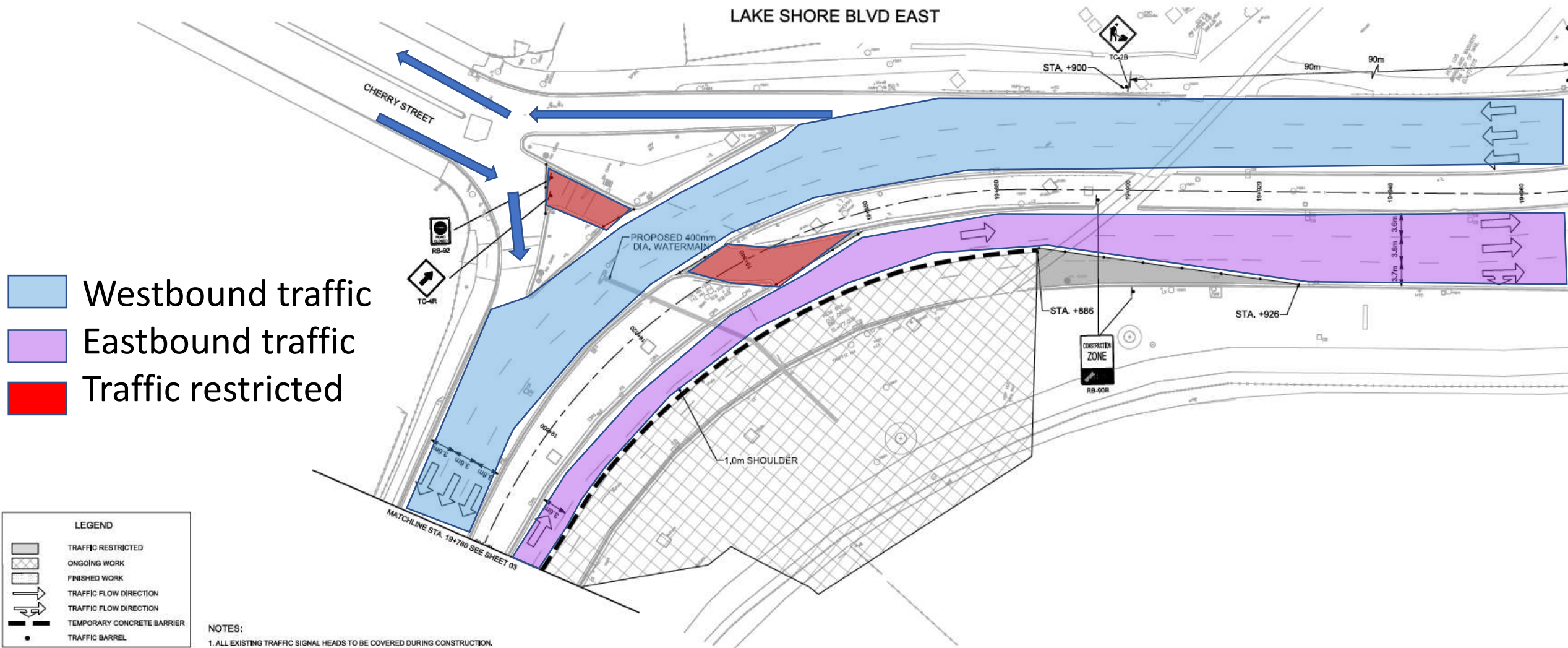
Upcoming Construction



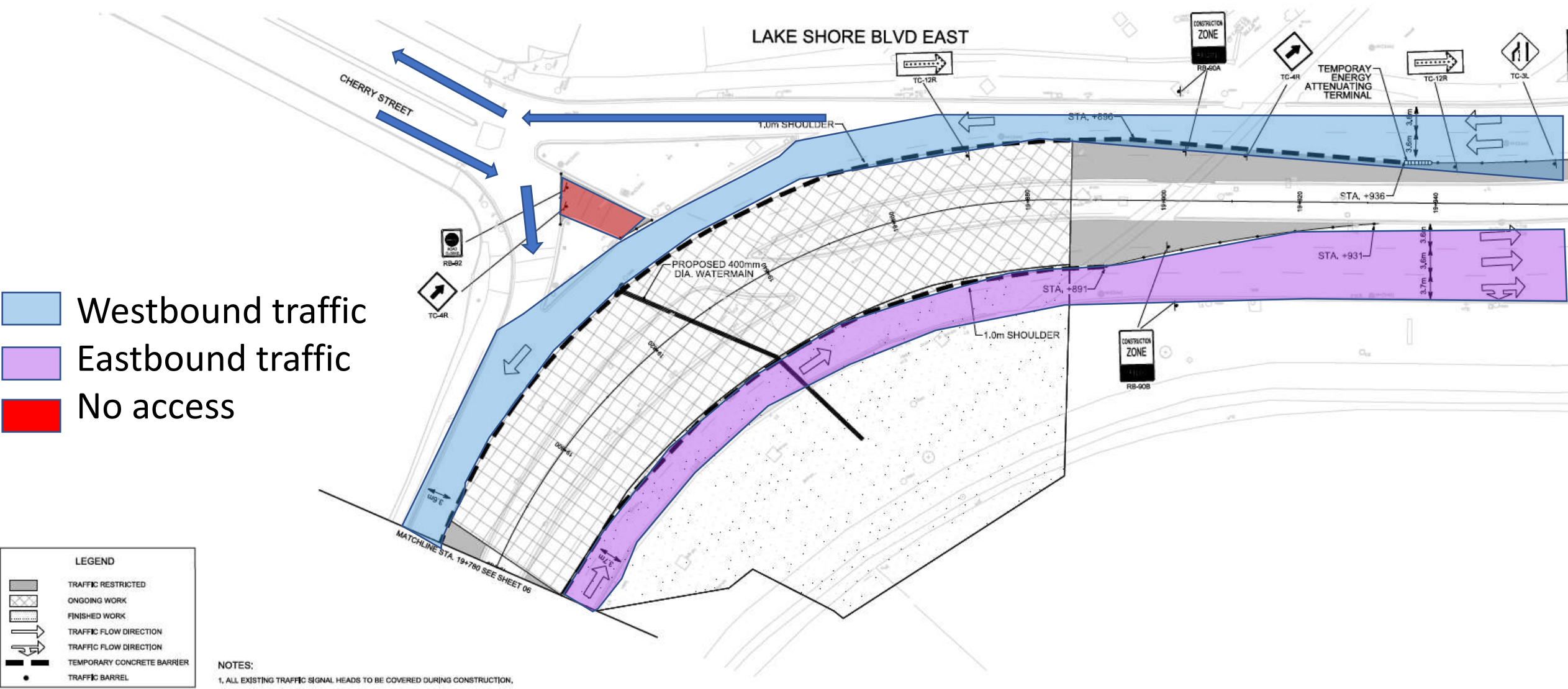
July-September 2021

- Roads**
 - New Cherry St: install utilities, surcharging
 - Commissioners St: install utilities, surcharging, ground improvements
 - Don Roadway & Future Don Roadway: ground improvements, flood protection landform
- Lake Shore Boulevard East**
 - Remove Gardiner ramps [September]
- Bridges**
 - 1 Cherry St North Bridge: install bridge deck
 - 2 Cherry St South Bridge: excavation and install river finishes below bridge location
 - 3 Commissioners St Bridge: install bridge deck, install east half superstructure
- Parks**
 - Promontory Park South: dockwall reinforcement, site preparation, structural fill placement
 - River Park North: Relocate Fire Hall, surcharging
 - River Park South: Surcharging, bike bridge foundation works
- River Valley**
 - Central River Valley: excavation and dewatering, install liner & river finishes, install wetland habitat features, install utilities
 - Ice Management Area: dewatering and install liner
 - Don Greenway: dewatering and install liner & river finishes, dockwall reinforcement, install fish gate
- Polson Slip Naturalization**
 - Atlas Crane stabilization, Canoe Cove excavation, install underwater liner
- Staging and Treatment Areas**
 - A: Soil and water treatment
 - B: Construction staging and soil treatment
- Sediment & Debris Management Area (SDMA)**
 - Site preparation, install utilities
- Central Villiers Island**
 - Soil stockpiling and fill placement

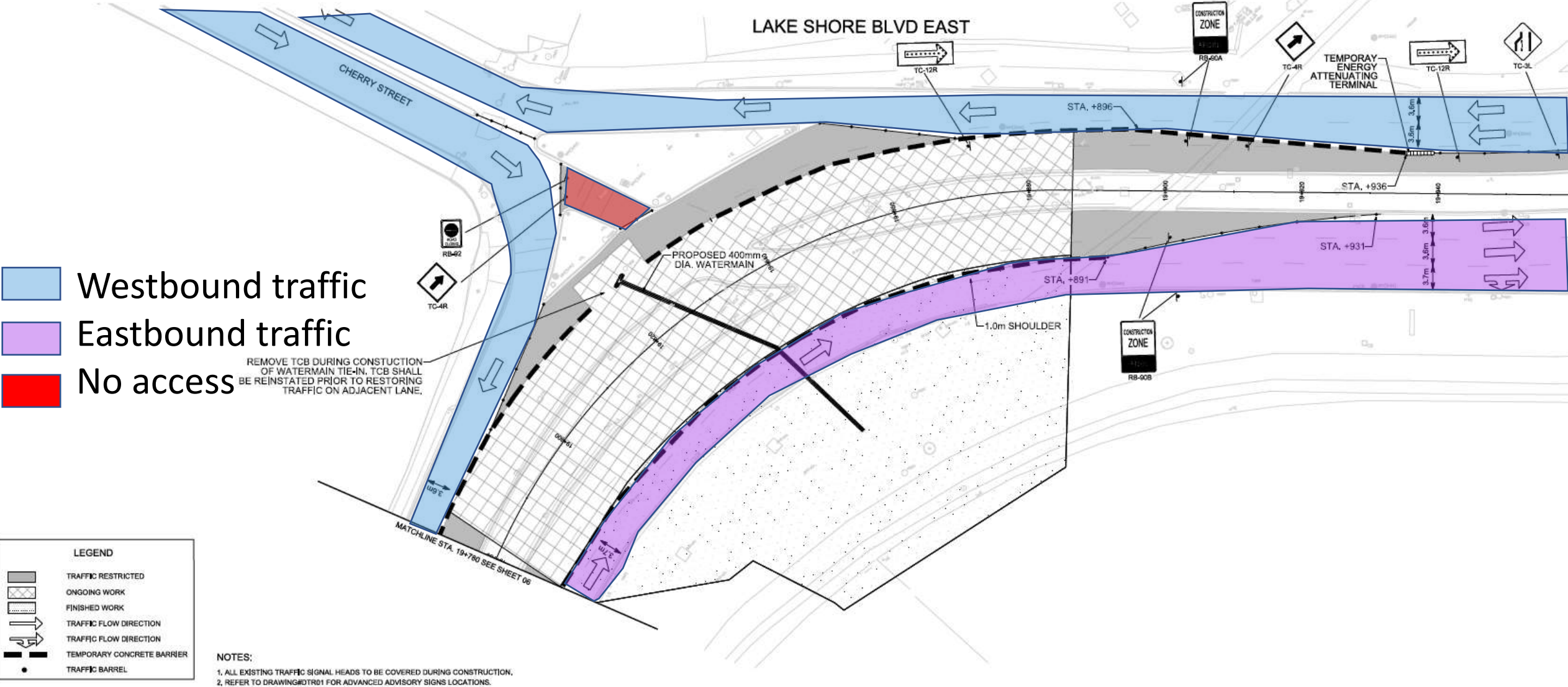
August 2021: Closures on Cherry north of LSBE – Phase 1



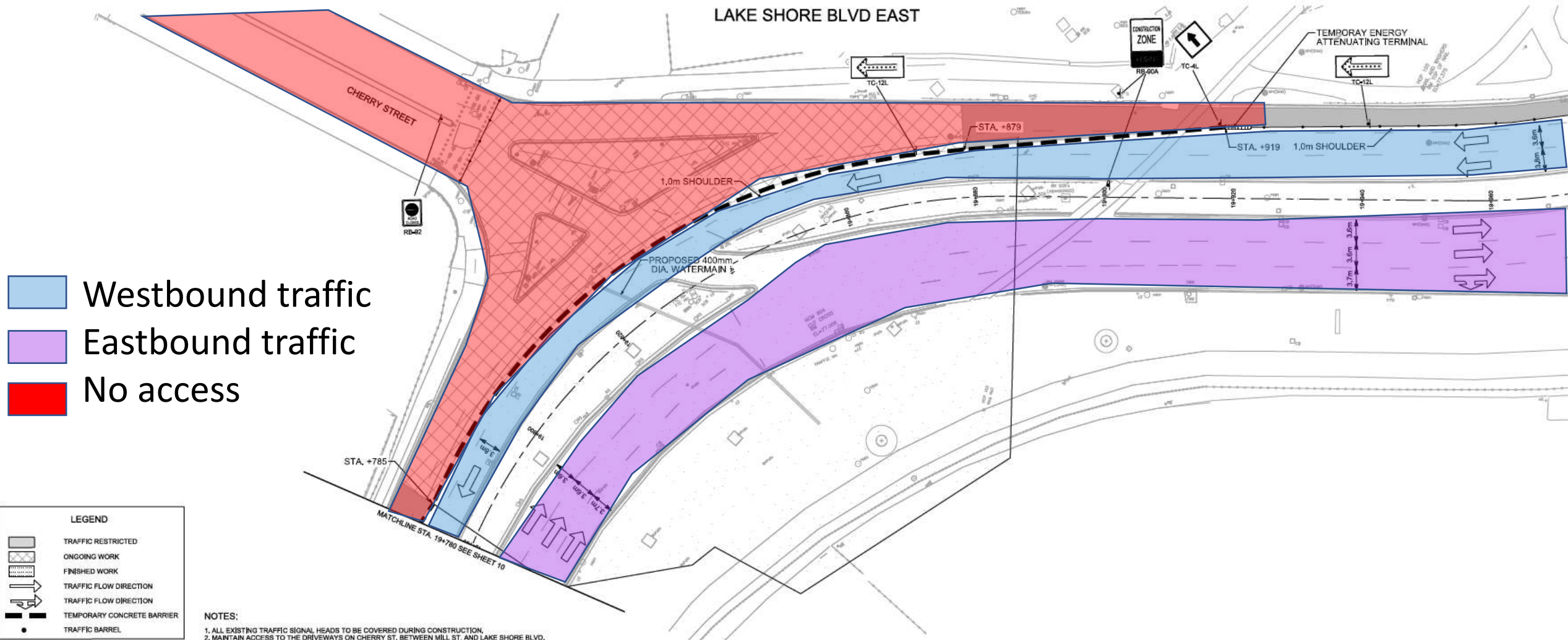
Closures on Cherry north of LSBE – Phase 2



Closures on Cherry north of LSBE – Phase 2A (weekends)



Closures on Cherry north of LSBE – Phase 3



Excavation Progress

Future River Valley Current Excavation Complete Excavation Rocky Radar





Relocating Fire Hall 30



Lake Shore Boulevard East – Bridge & Public Realm Project

Lake Shore Boulevard East Bridge & Public Realm Work Zone



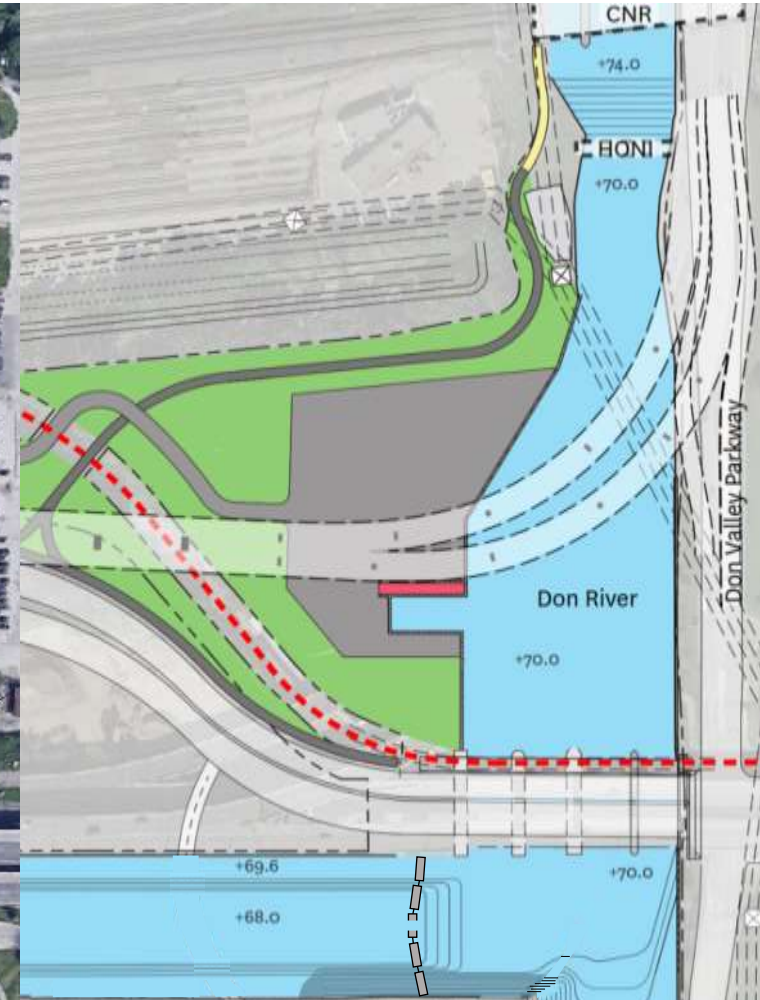
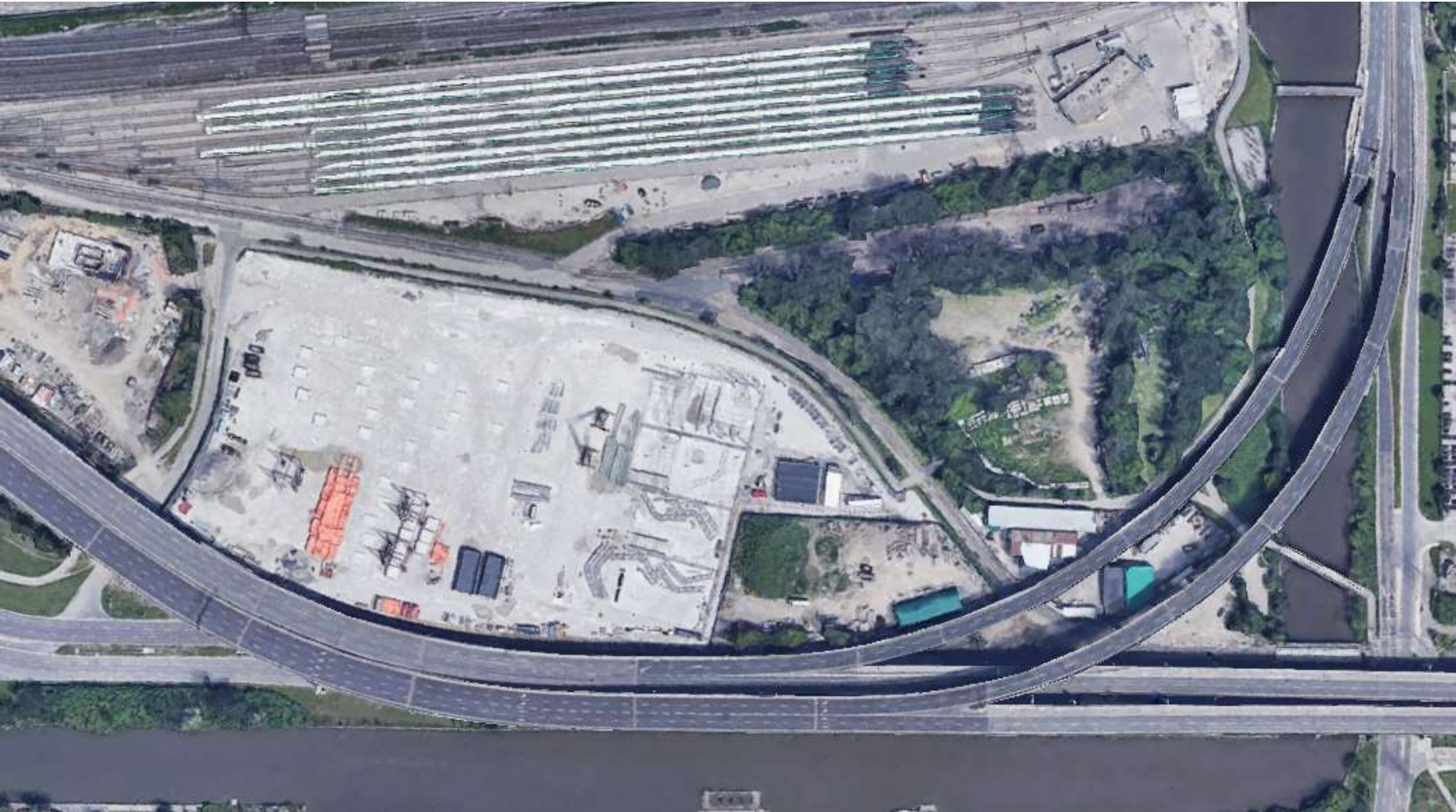
Current Schedule

ACTIVITY	ANTICIPATED START	ANTICIPATED END
Gardiner / Logan Ramps Closure	September 1, 2021	N/A
Gardiner / Logan Ramps Removal	September 2021	October 2021
Lake Shore Bridge Works (over Don River)	October 2021	January 2024
Lakeshore Blvd. Reconfiguration from Lake Shore Bridge to Carlaw	November 2021	December 2024

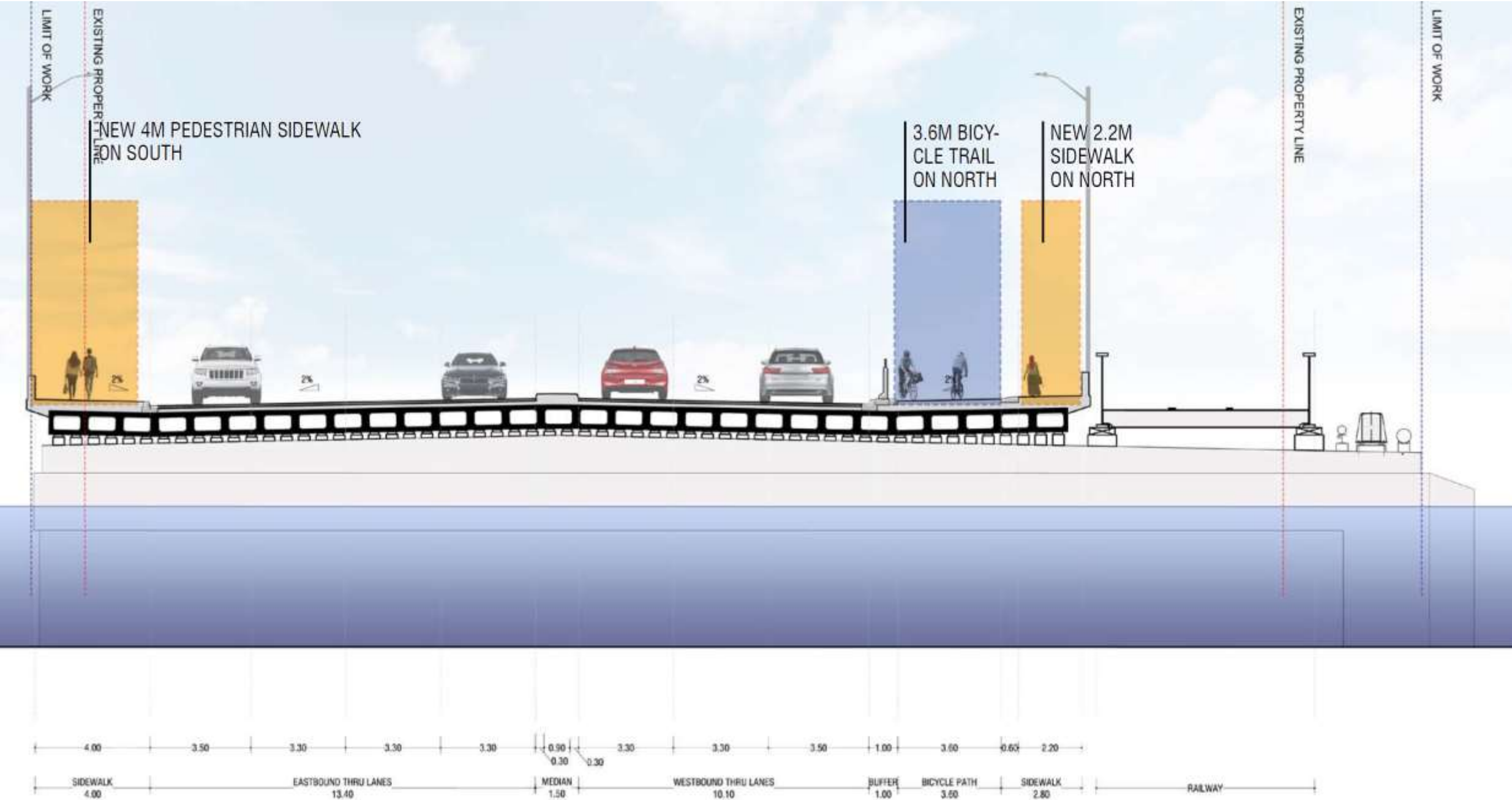
Gardiner Ramps Removal



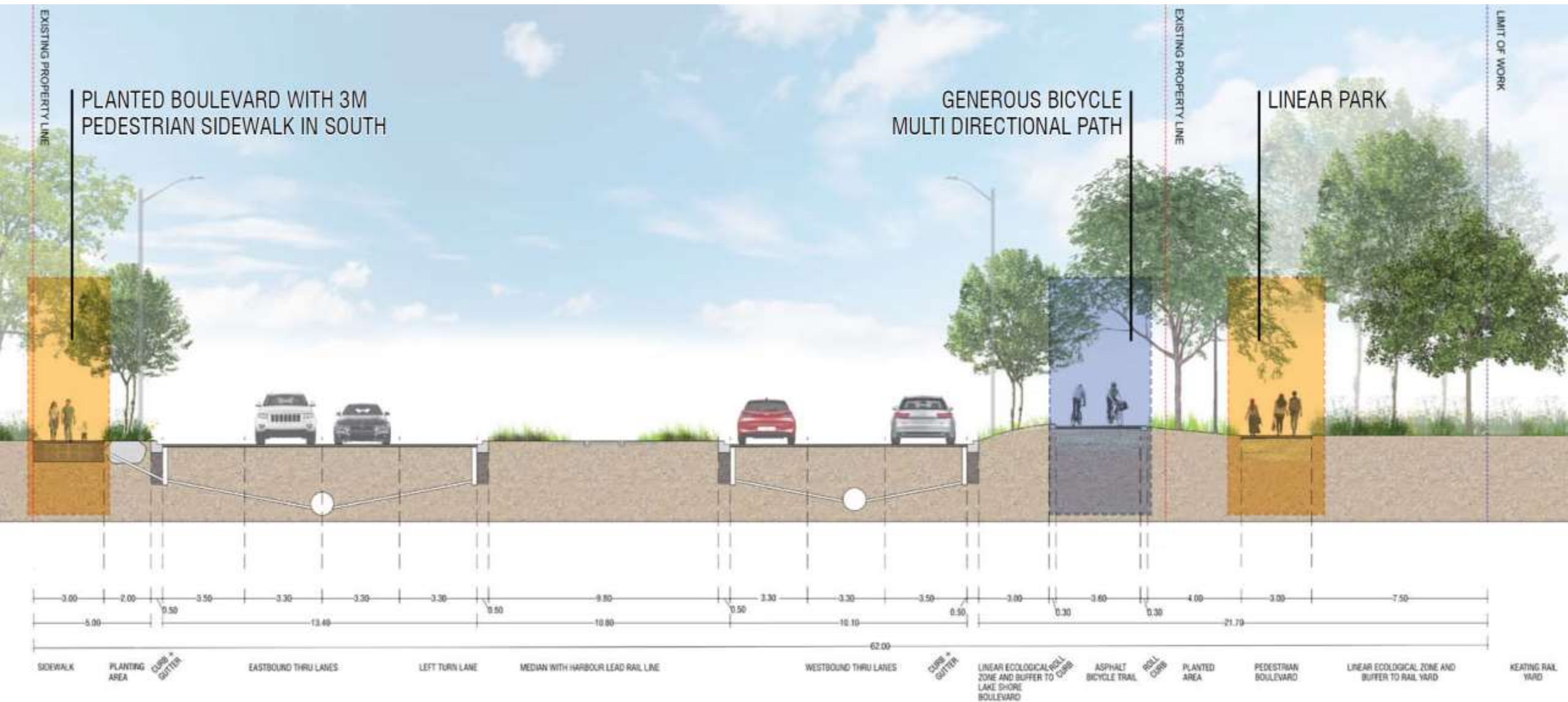
Lake Shore Bridge



Representative Cross Section Lake Shore Boulevard – Bridge



Representative Cross Section Lake Shore Boulevard – Saulter to Bouchette Street

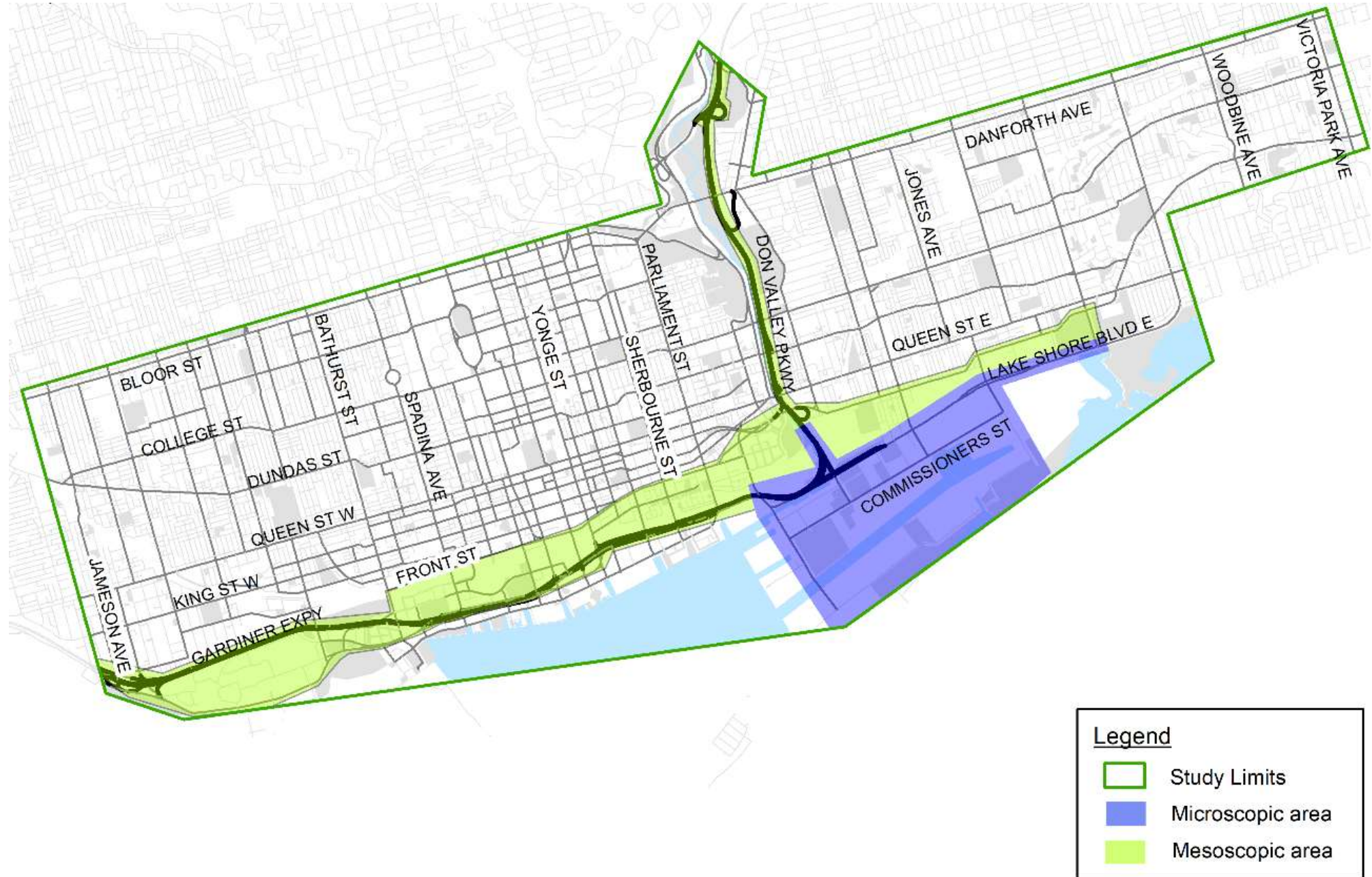


Public Realm Design: New Linear Park

Lake Shore Blvd. North Side Linear Park



Transportation System Analysis



Traffic Management: Challenges & Mitigation

- Traffic Management Plan developed with input from City staff and stakeholders
- Traffic operations to be monitored during construction, adjustments will be made as needed

CHALLENGES

- This is a high-traffic area for all modes
- Increased traffic volume at Jarvis off-ramp from Gardiner Expressway due to removal of Logan off-ramps
- Increased traffic volume at intersection of Don Roadway and Lake Shore Boulevard East
- Changes to routes/detours for vehicles, transit, cyclists and pedestrians

MITIGATIONS

- Strategic staging:
 - Coordinate closures with other projects
 - Keep eastbound lanes moving on Lake Shore
- Road reconstruction
 - Lower Jarvis / LSB intersection
 - Cherry / LSB intersection
- Signal timing adjustments at 80+ locations
- Signed detour roads
- No adverse effects to public transit system

Road Detours During Ramp Removal

CONSTRUCTION ACTIVITIES

- Removing Logan ramp, work on Cherry
- Building temporary lane diversions on Lake Shore Blvd. as part of Traffic Management Plan

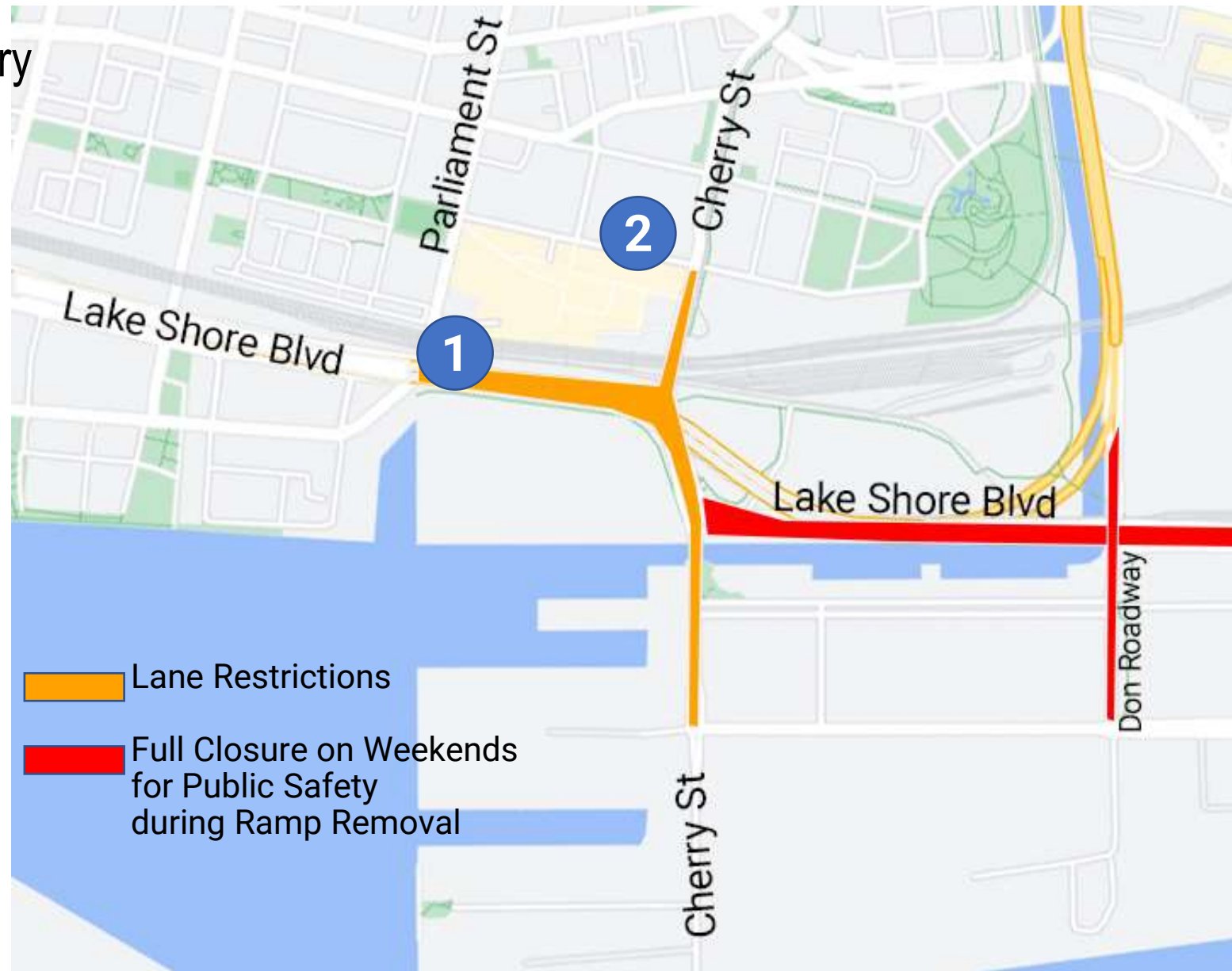
**RAMP REMOVAL ON WEEKENDS ONLY:
SEPTEMBER-OCTOBER 2021**

1

Single lane open to local traffic between Parliament and Cherry on Lake Shore

2

Lane restrictions between Mill and Commissioners on Cherry Street



Road Detours During Ramp Removal

WEEKENDS ONLY

1

Eastbound Lake Shore fully closed between Cherry St. and Logan Ave.

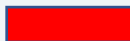
2

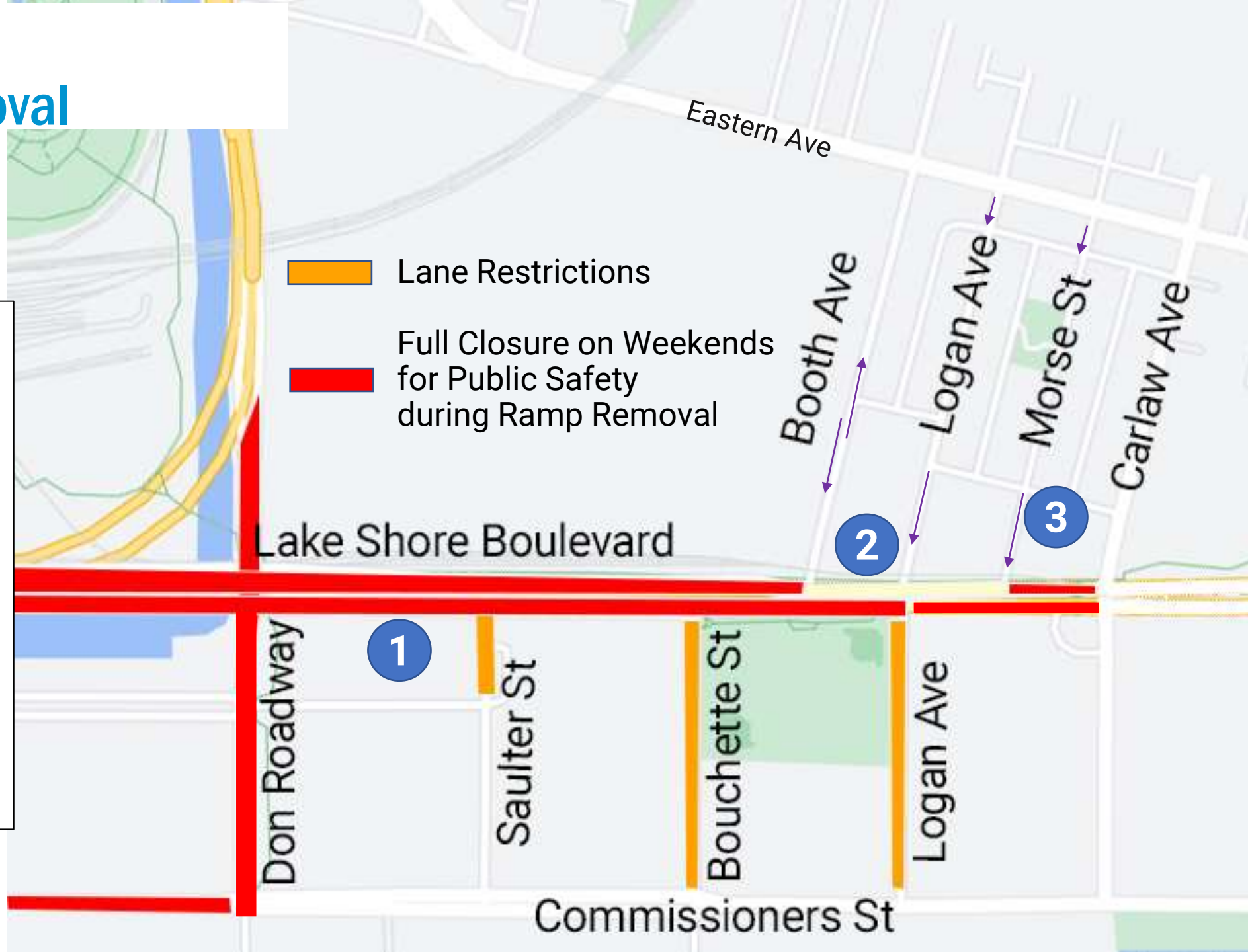
WB Lake Shore Blvd. fully closed west of Carlaw Ave. Single lane open for local traffic only between Morse St. and Booth Ave.

3

One way direction of Morse St. reversed from northbound to southbound

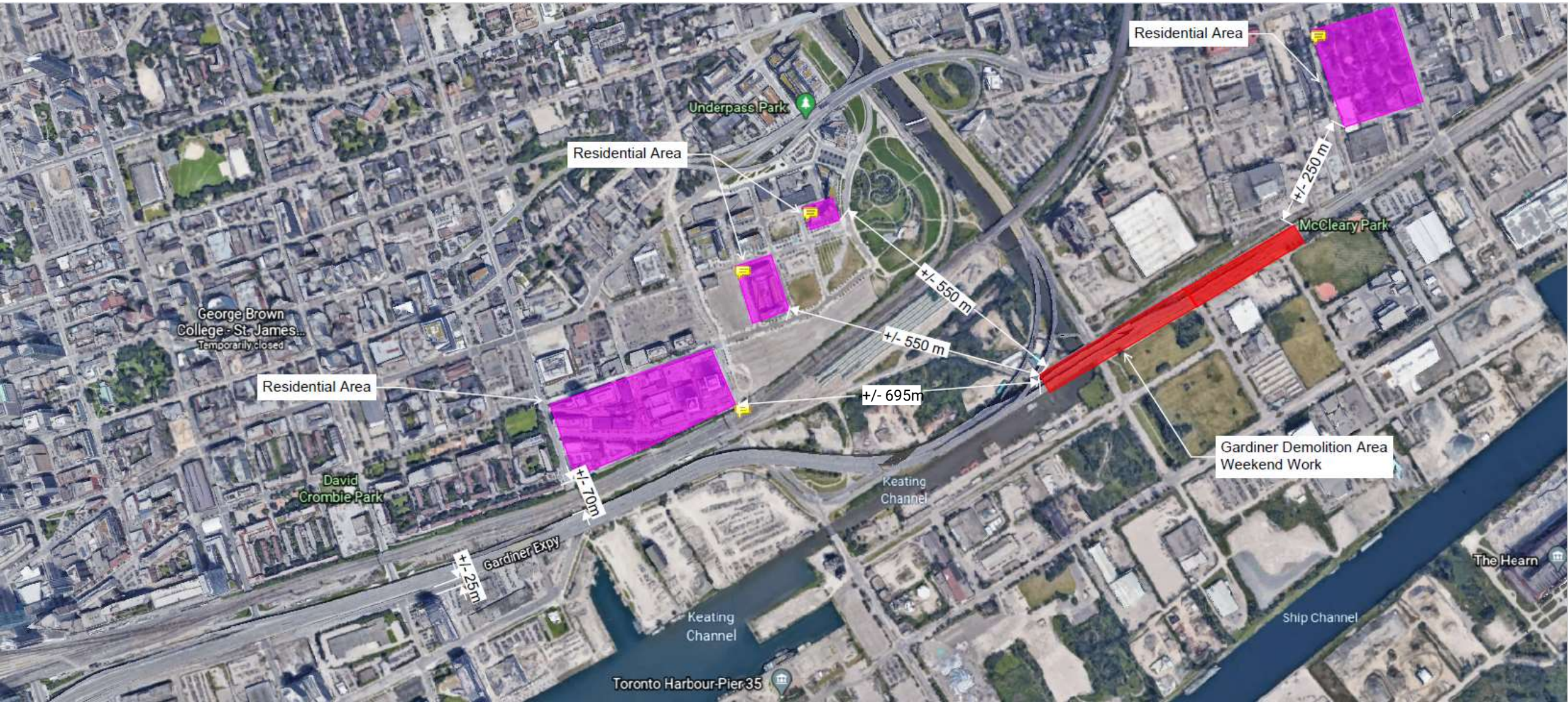
 Lane Restrictions

 Full Closure on Weekends for Public Safety during Ramp Removal



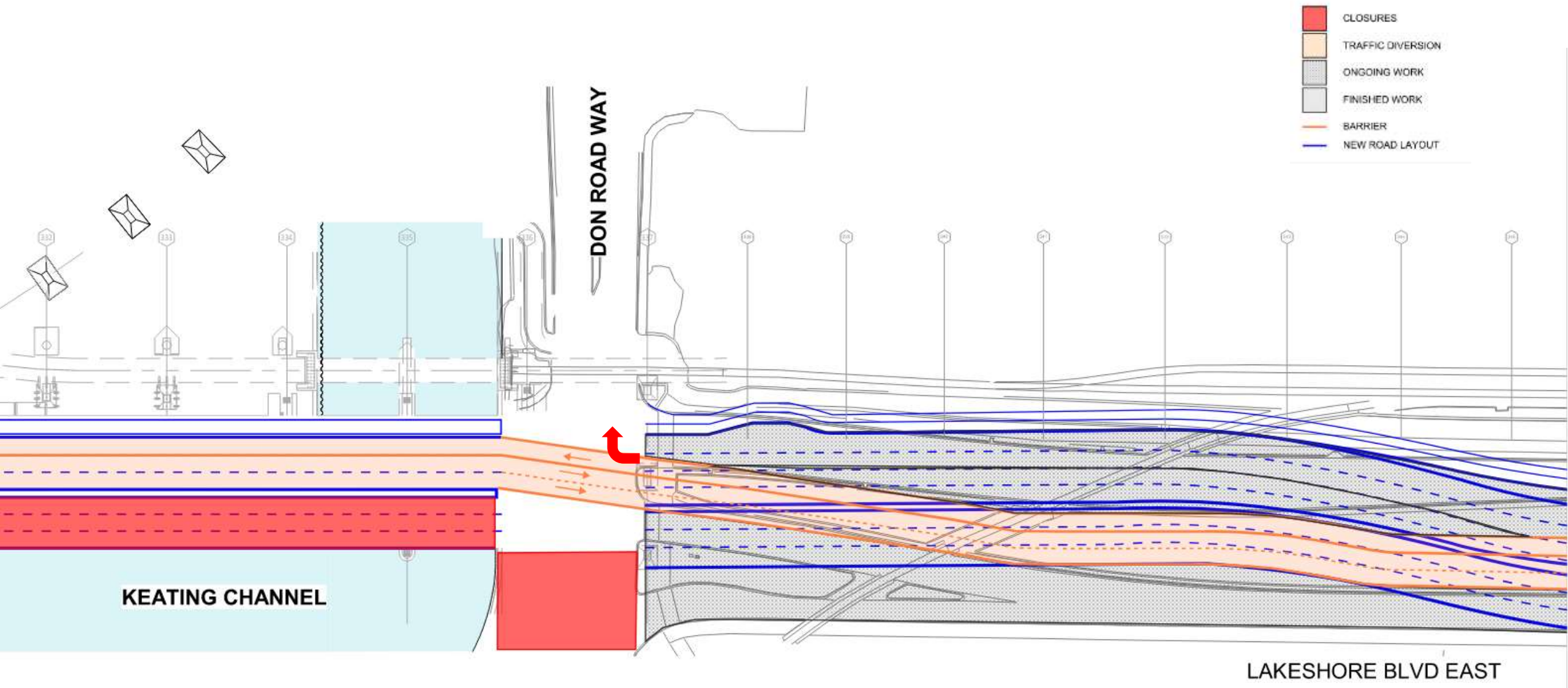
Noise During Ramp Removal

WEEKENDS ONLY



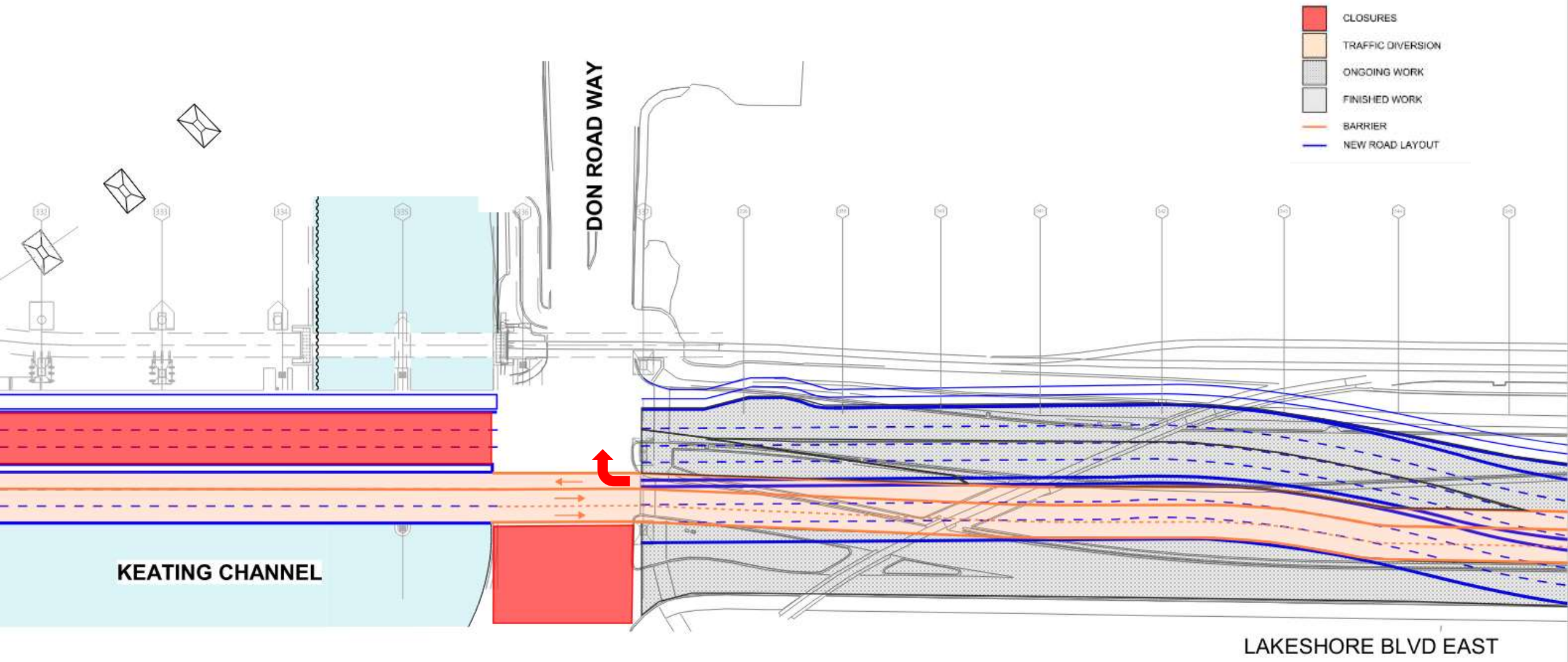
Traffic Configuration Don Roadway – Lake Shore Blvd. E

October 2021 – Spring 2023



Traffic Configuration Don Roadway – Lake Shore Blvd. E

Spring 2023 – December 2024

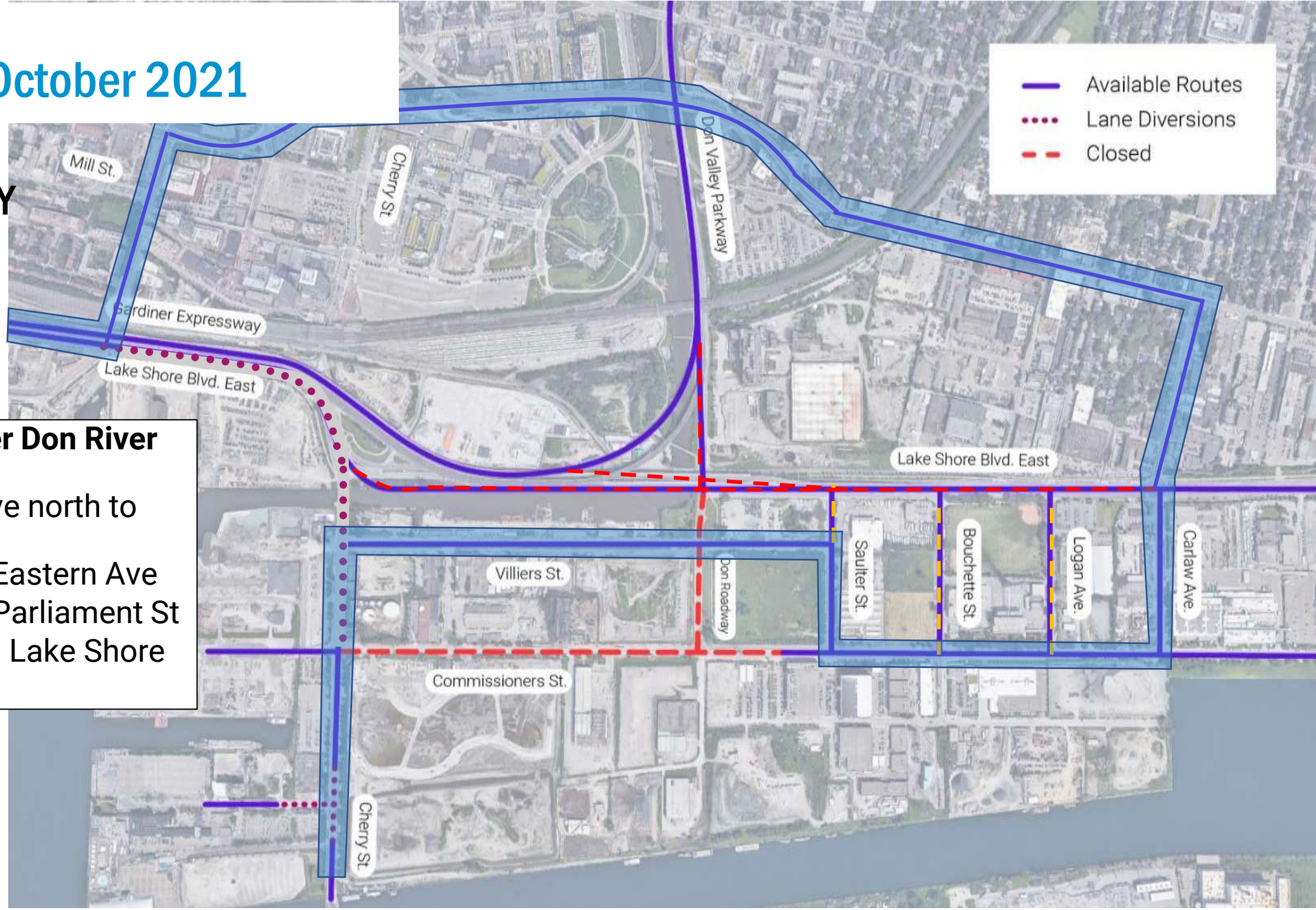


Road Detour: September – October 2021

WEEKENDS ONLY

To Travel West Over Don River from Port Lands

1. Take Carlaw Ave north to Eastern Ave
2. Turn left on to Eastern Ave
3. Turn left on to Parliament St
4. Turn right on to Lake Shore Ave

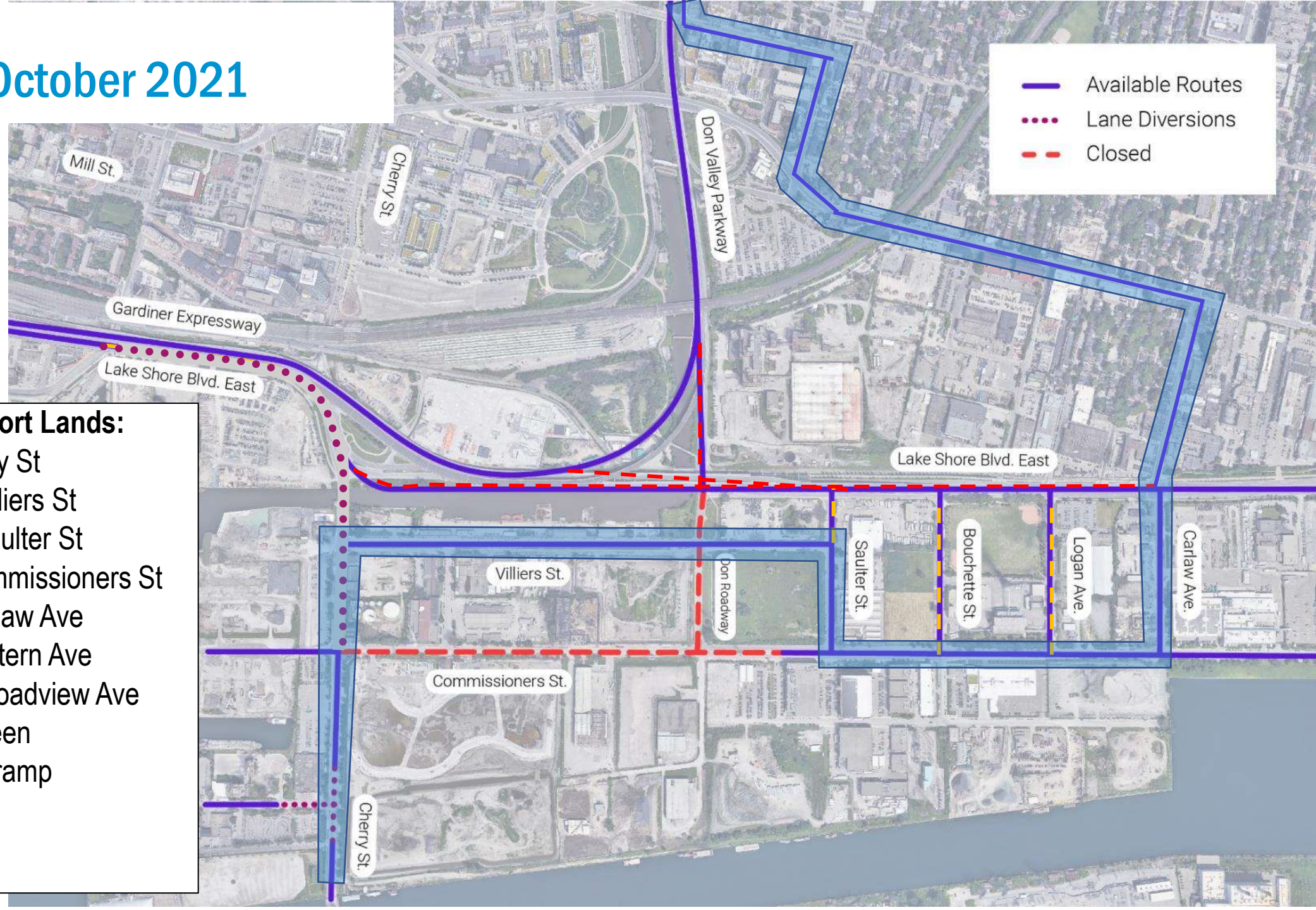


Road Detours: September – October 2021

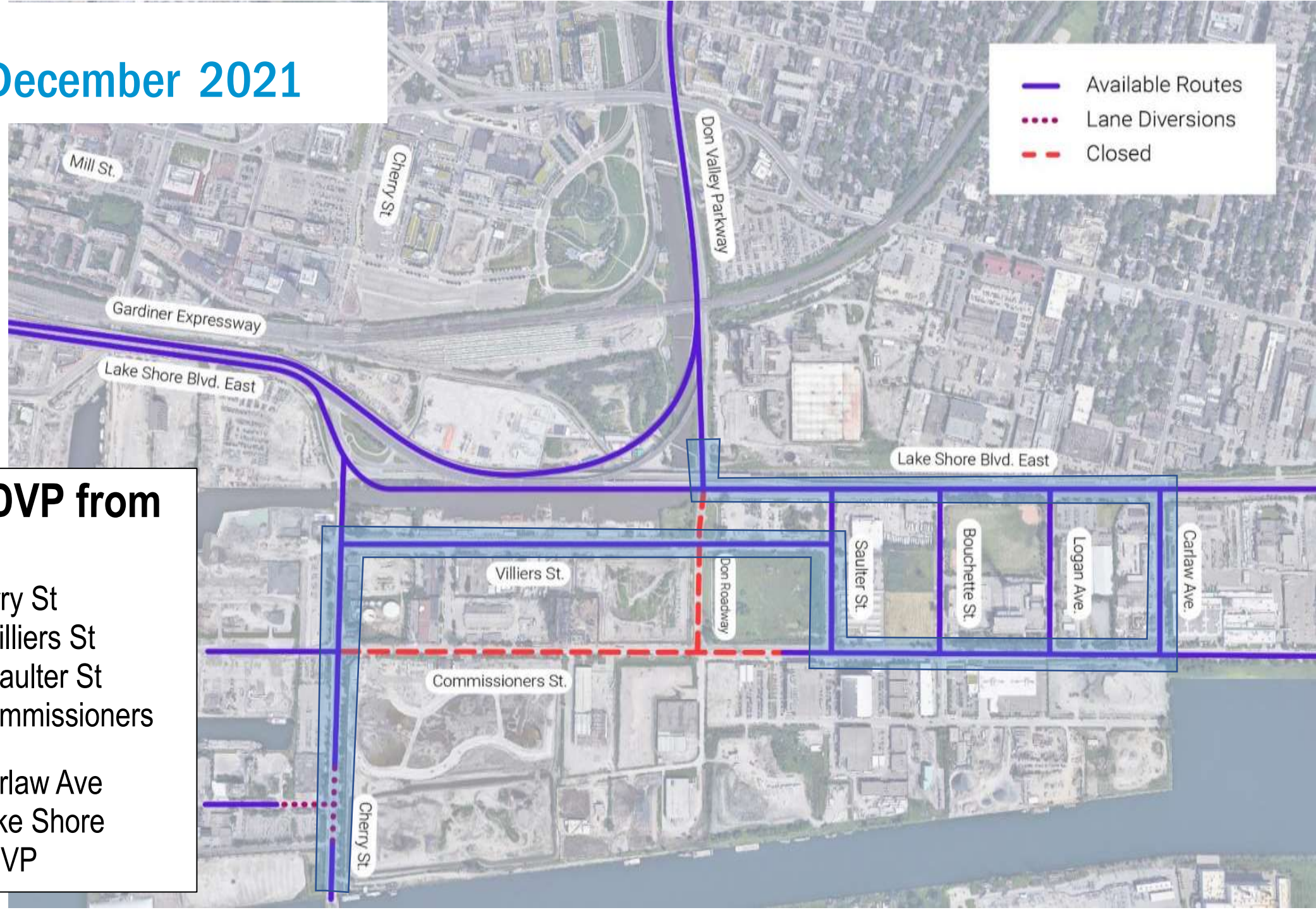
WEEKENDS ONLY

Access to DVP from Port Lands:

1. Go north on Cherry St
2. Turn right on to Villiers St
3. Turn right on to Saulter St
4. Turn left on to Commissioners St
5. Turn left on to Carlaw Ave
6. Turn left on to Eastern Ave
7. Turn right on to Broadview Ave
8. Turn left on to Queen
9. Turn right to DVP ramp



Road Detours: September – December 2021

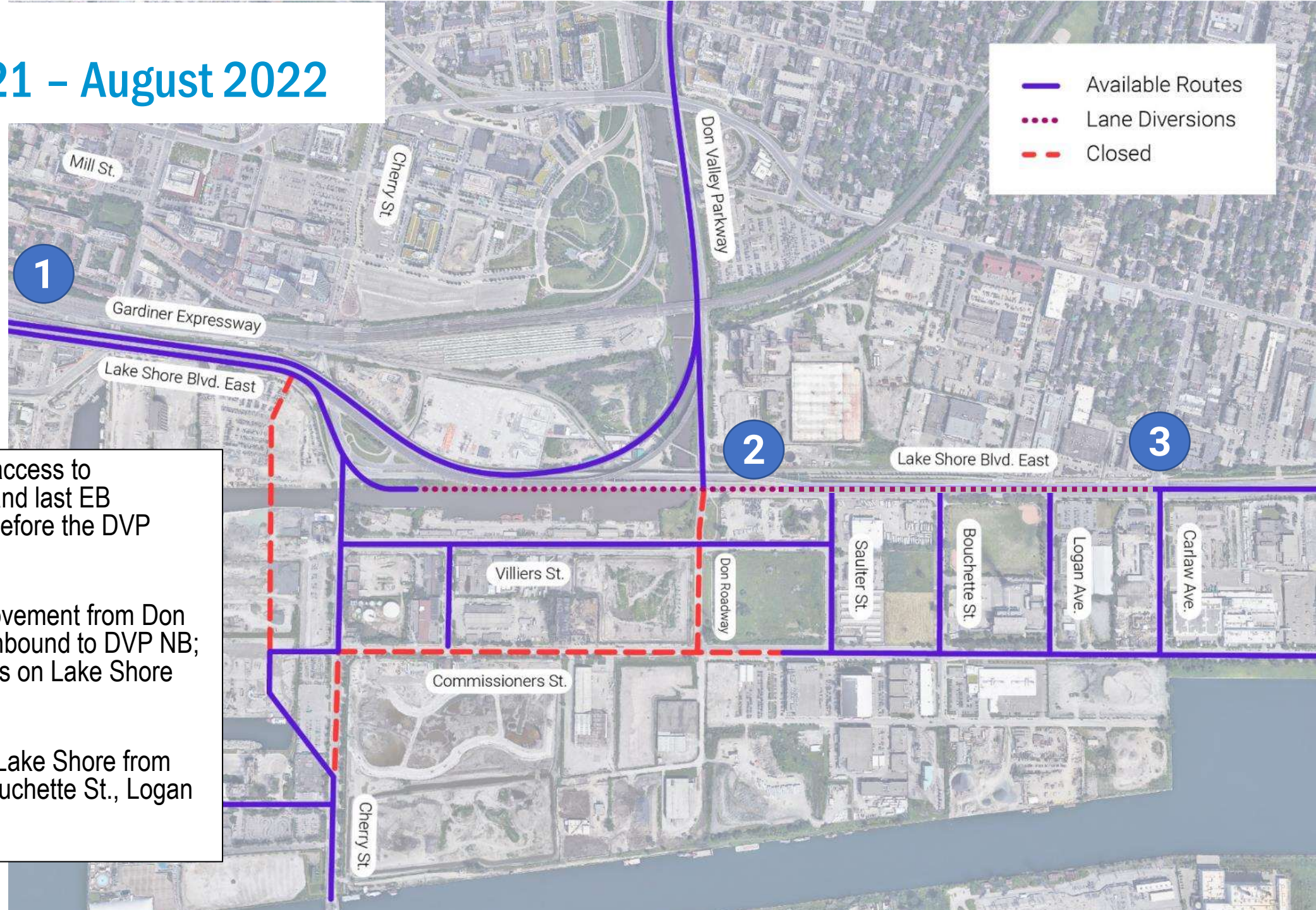


For access to DVP from Port Lands:

1. Go north on Cherry St
2. Turn right on to Villiers St
3. Turn right on to Saulter St
4. Turn left on to Commissioners St
5. Turn left on to Carlaw Ave
6. Turn left on to Lake Shore
7. Turn right on to DVP

Roads Status

November 2021 – August 2022



1

Jarvis Street: access to Gardiner WB and last EB Gardiner exit before the DVP

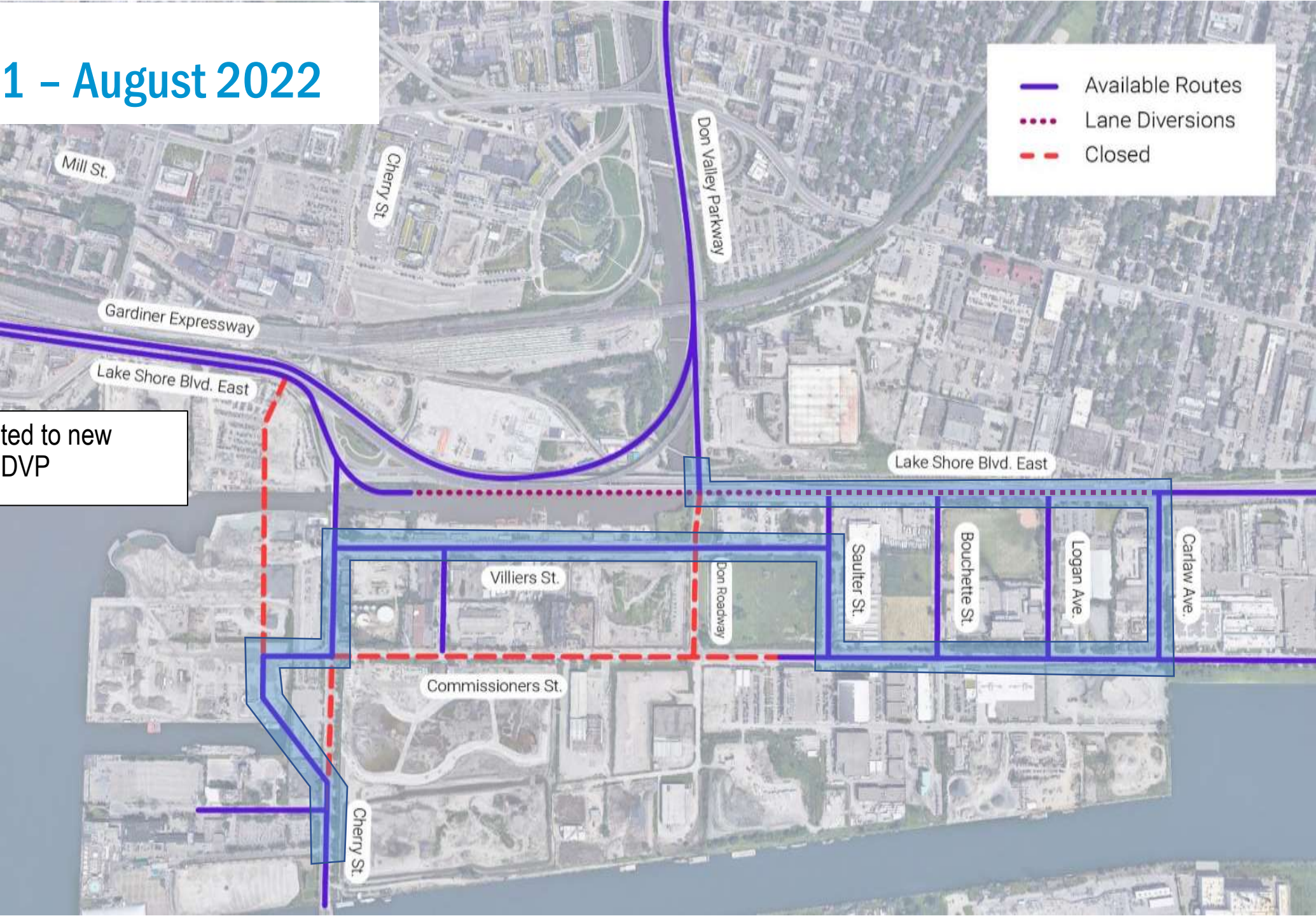
2

No through movement from Don Roadway northbound to DVP NB; Lane diversions on Lake Shore

3

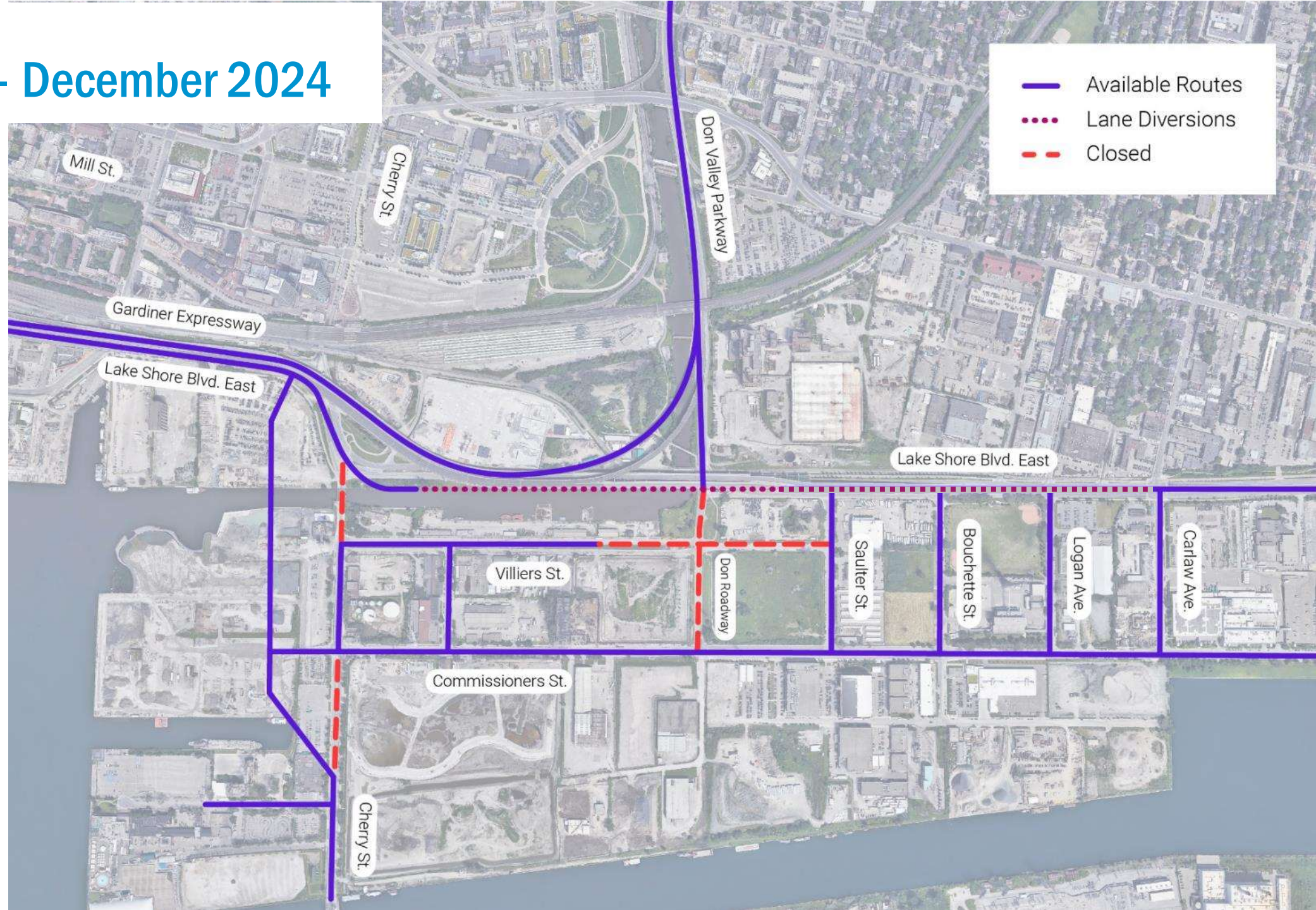
No left turn to Lake Shore from Sauter St., Bouchette St., Logan Ave

Road Detours: November 2021 – August 2022

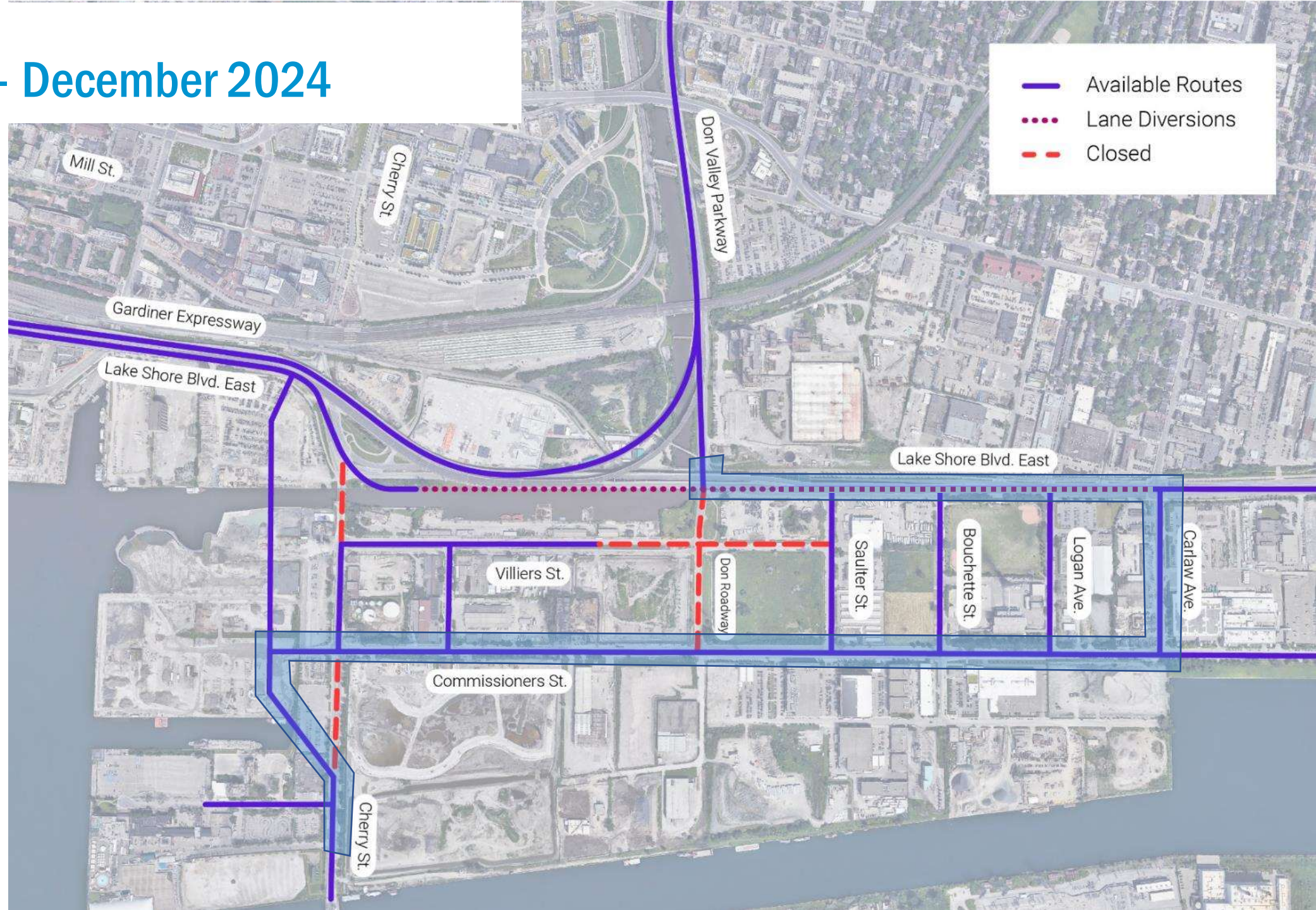


Cherry Street partially routed to new Alignment, same route to DVP

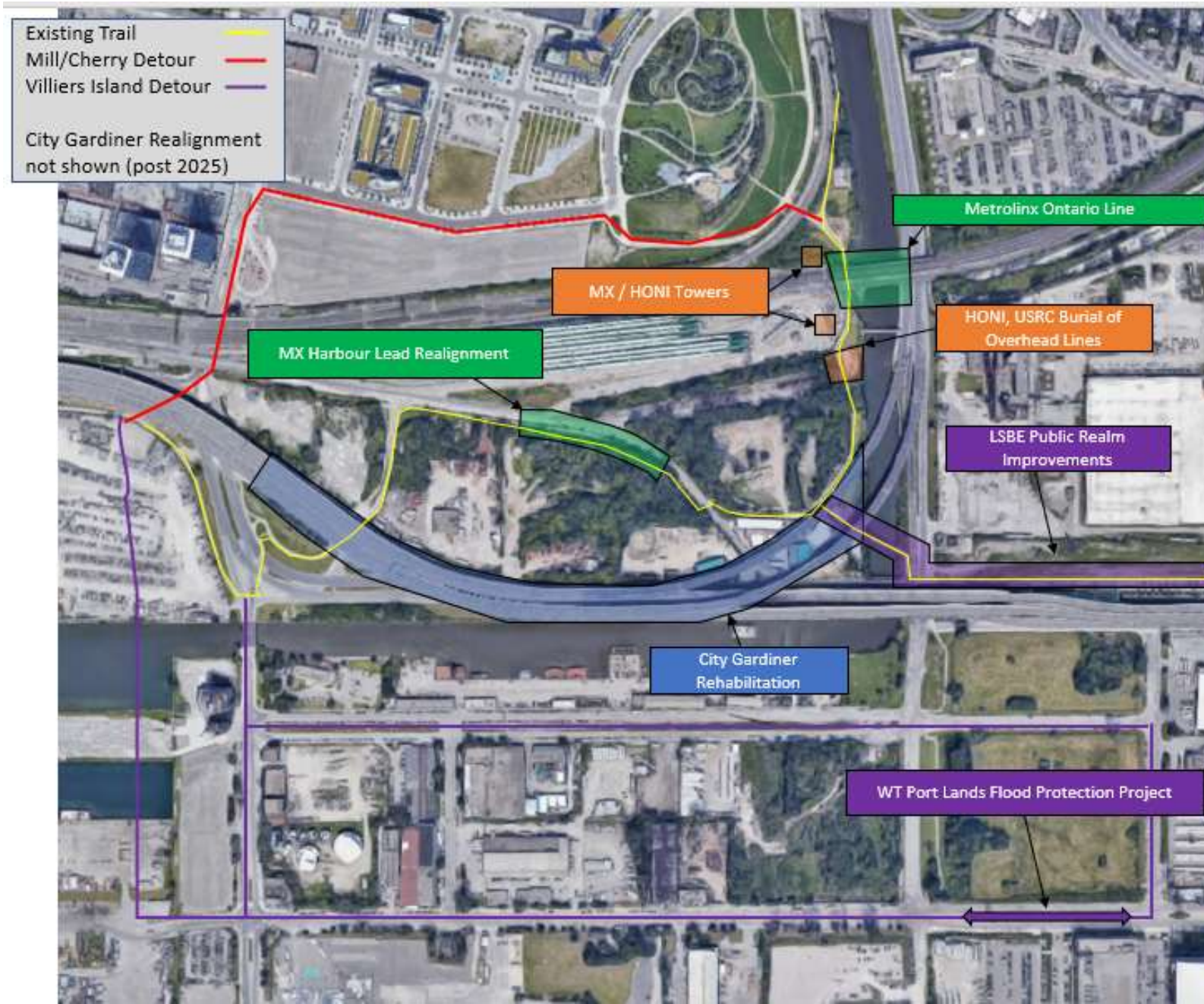
Road Status: August 2022 – December 2024



Road Detours: August 2022 – December 2024







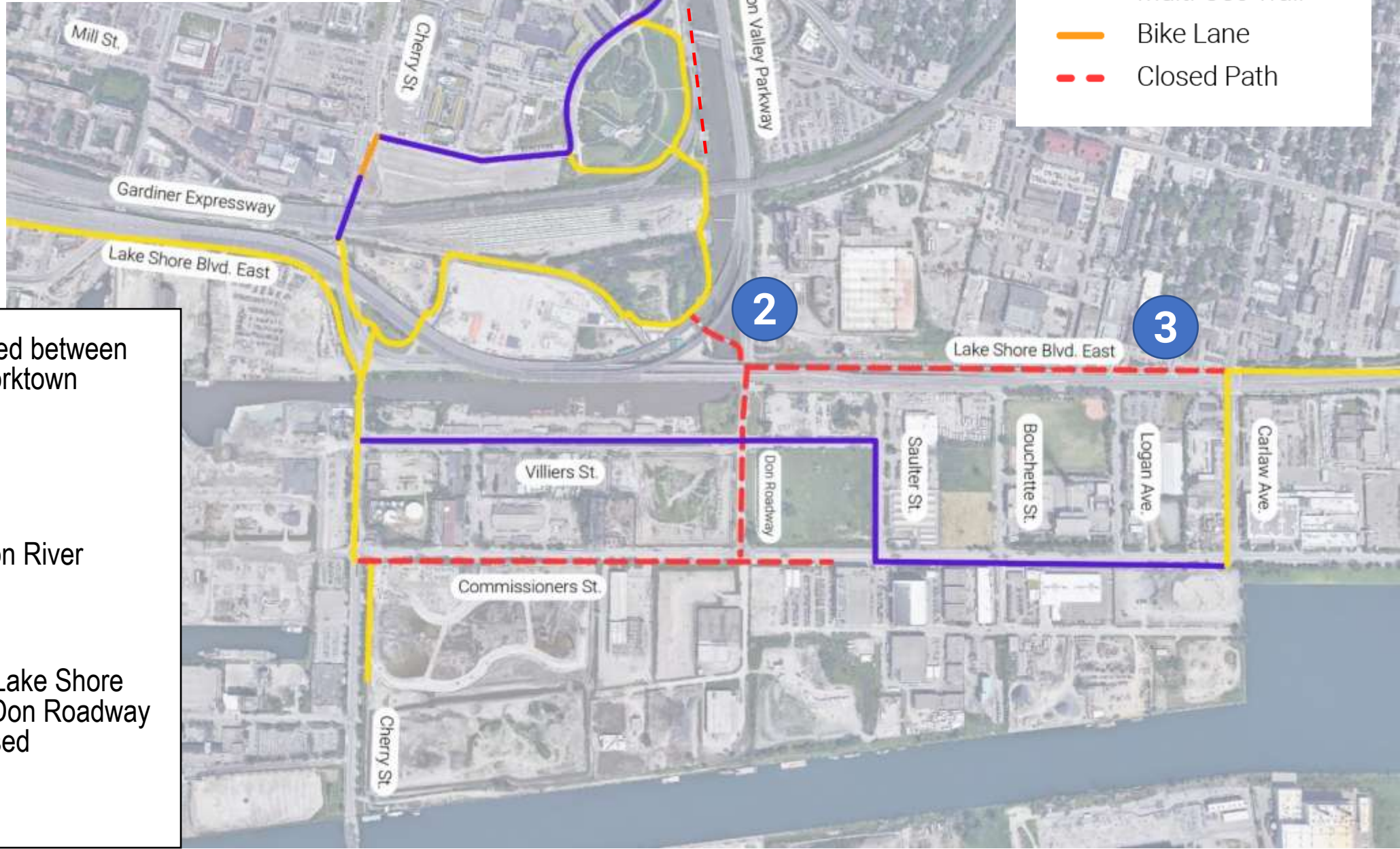
Cyclists & Pedestrian Detours



Lower Don Trail Status

September – November 2021

-  Cycle Track
-  Multi-Use Trail
-  Bike Lane
-  Closed Path



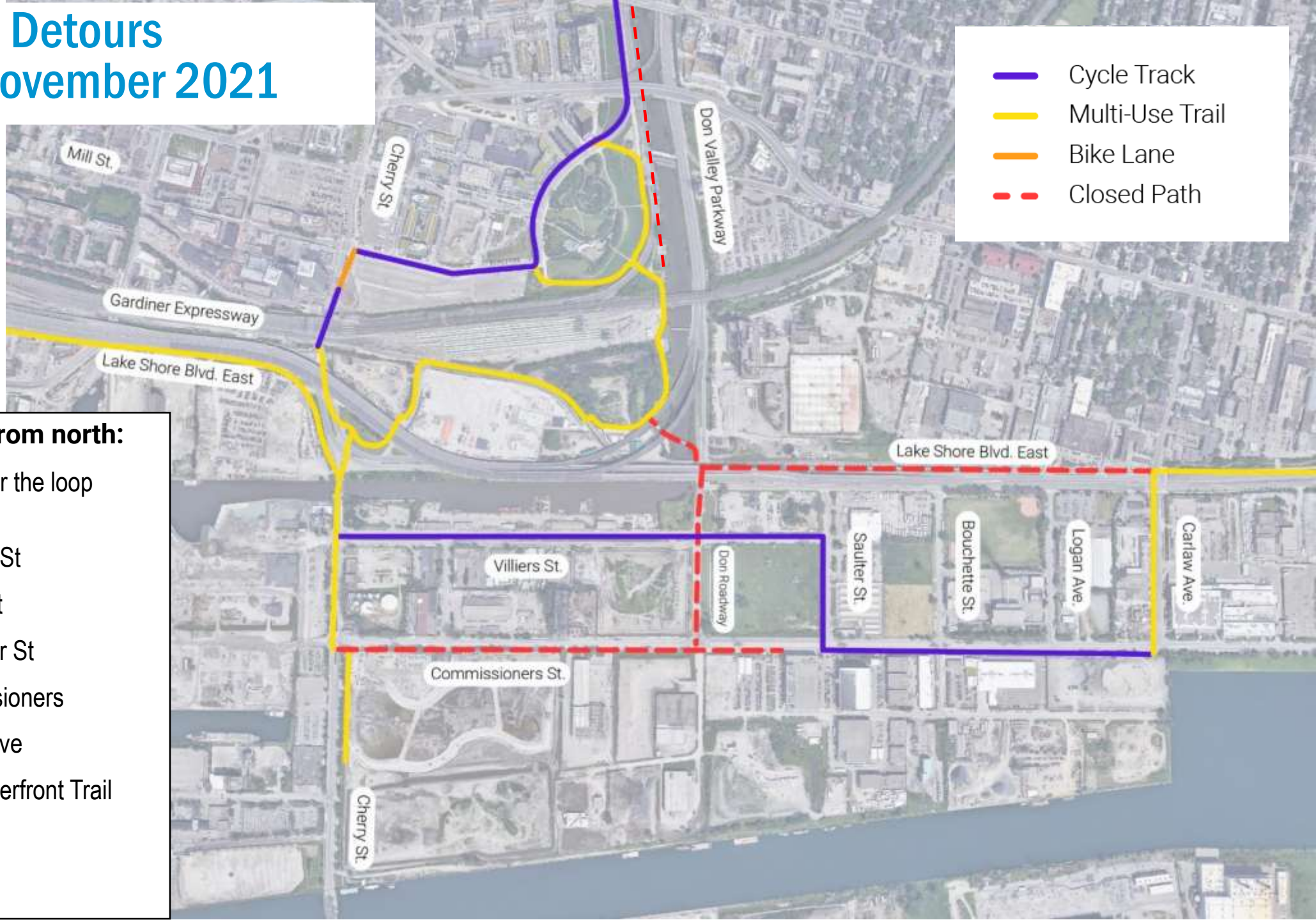
1 Lower Don Trail closed between Pottery Road and Corktown Common

2 Cycle bridge over Don River Removed

3 Multi-use trail along Lake Shore Boulevard between Don Roadway and Carlaw Ave. closed

Lower Don Trail Detours

September – November 2021







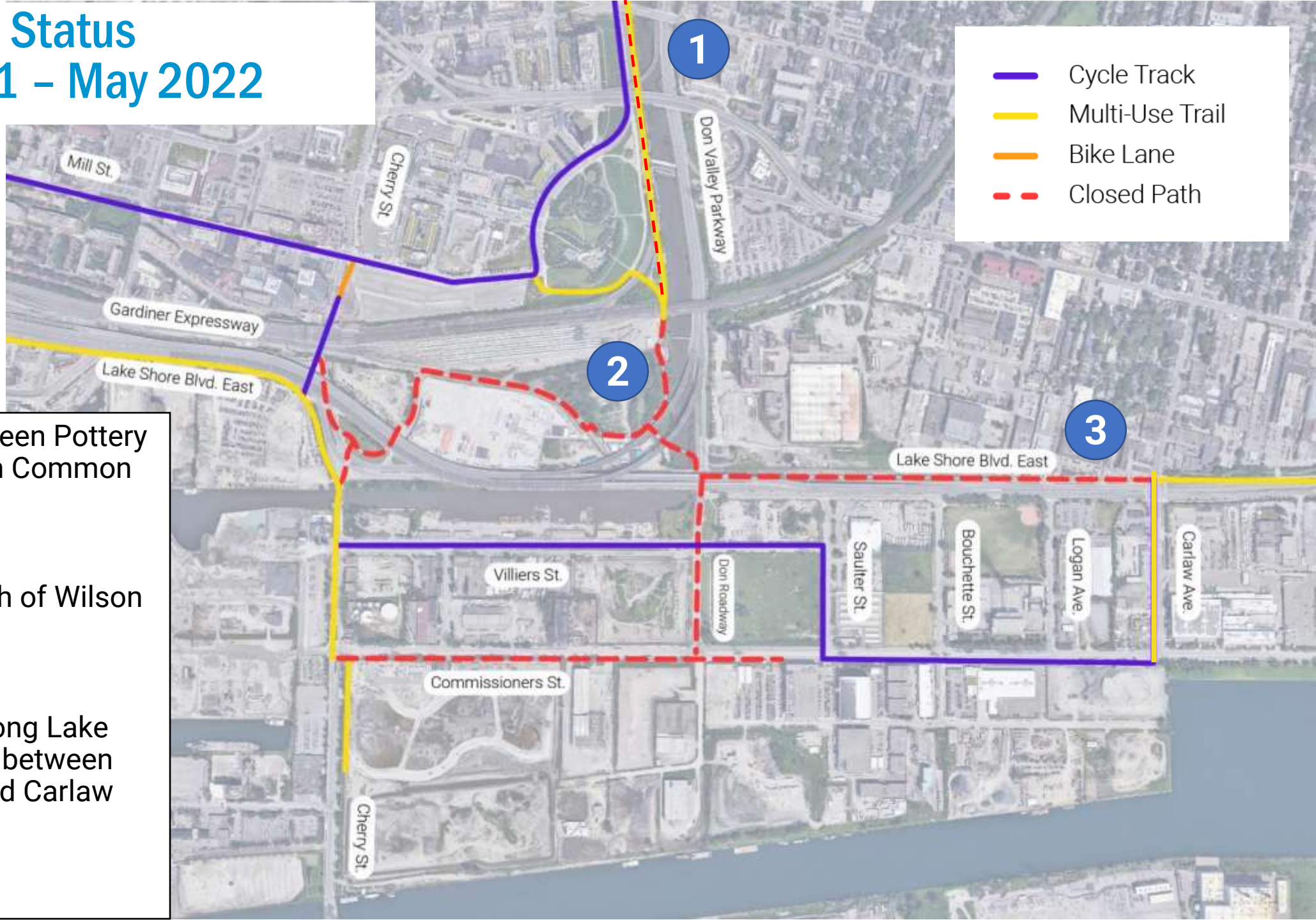
To travel east, coming from north:

1. Take either Mill Street or the loop around Wilson Yard
2. Travel south on Cherry St
3. Turn left on to Villiers St
4. Turn right on the Sautter St
5. Turn left on to Commissioners
6. Turn left on to Carlaw Ave
7. Turn right on to the Waterfront Trail

Lower Don Trail Status

November 2021 – May 2022

-  Cycle Track
-  Multi-Use Trail
-  Bike Lane
-  Closed Path



1

LDT closed between Pottery Rd and Corktown Common until June 2022





2

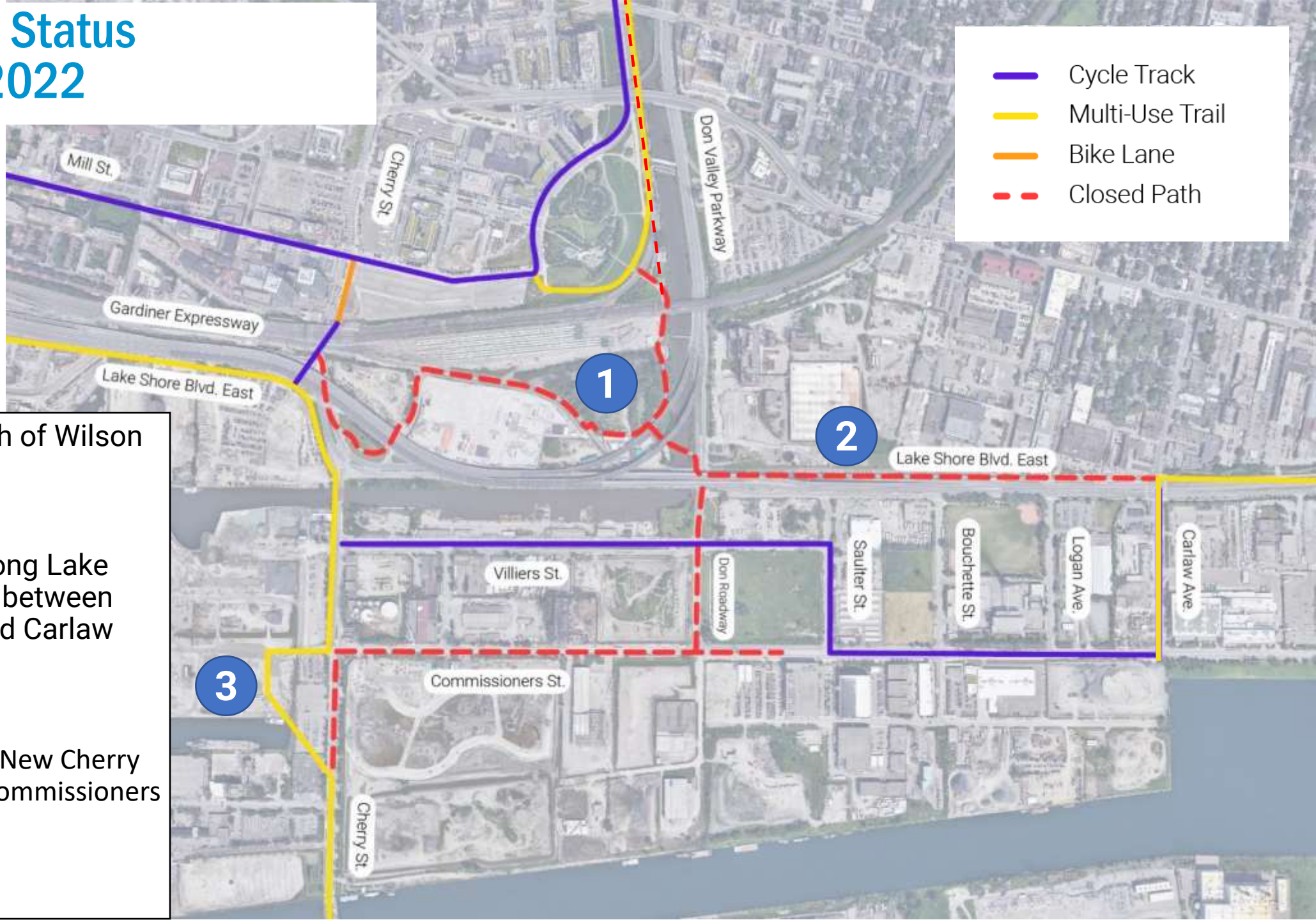
LDT Closed south of Wilson Yard

3

Multi-use trail along Lake Shore Boulevard between Don Roadway and Carlaw Ave. closed

Lower Don Trail Status May – August 2022

-  Cycle Track
-  Multi-Use Trail
-  Bike Lane
-  Closed Path



1

LDT Closed south of Wilson Yard

2





Multi-use trail along Lake Shore Boulevard between Don Roadway and Carlaw Ave. closed

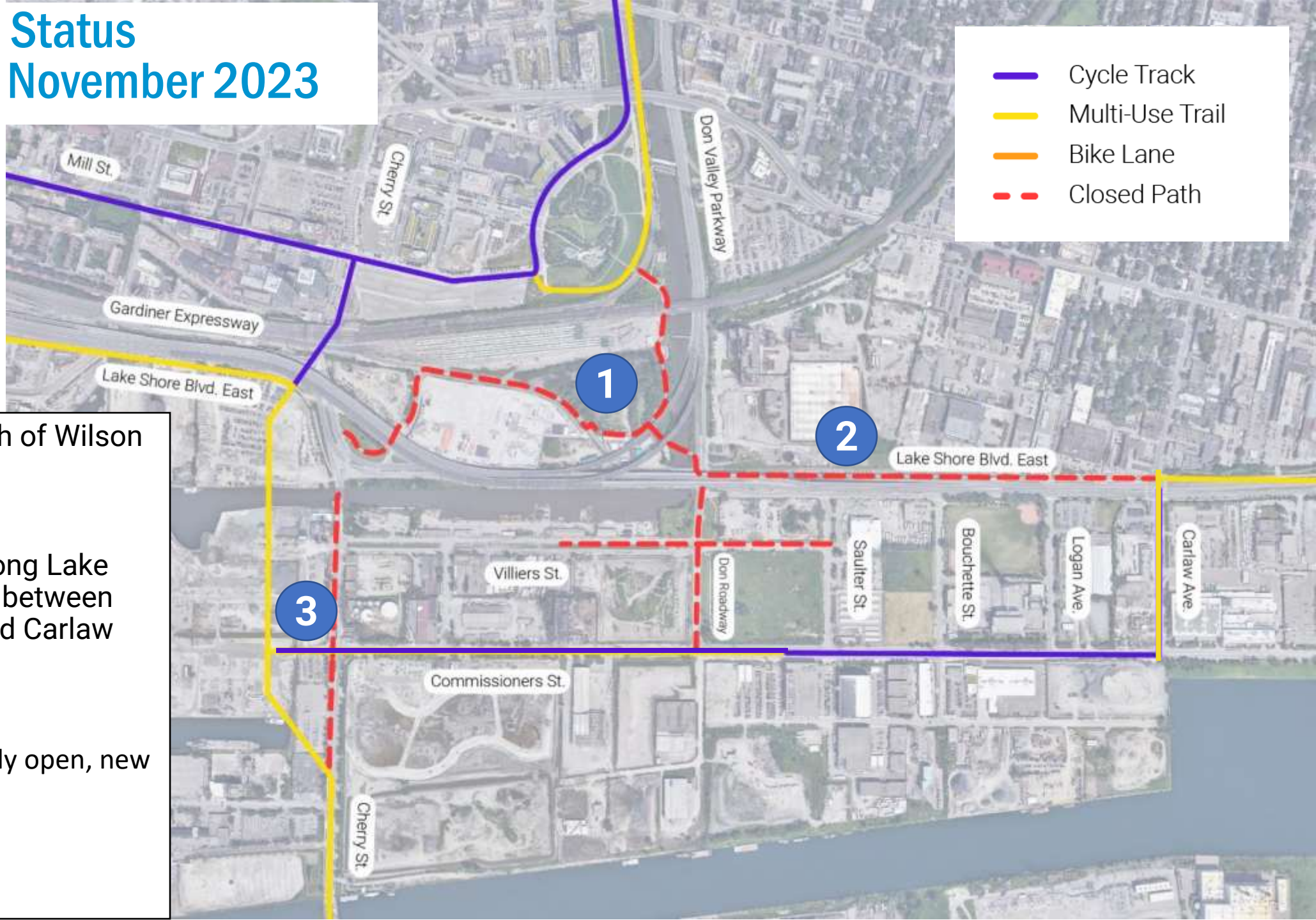
3

Partial opening of New Cherry Street, between Commissioners and Polson

Lower Don Trail Status

August 2022 – November 2023

-  Cycle Track
-  Multi-Use Trail
-  Bike Lane
-  Closed Path



1

LDT Closed south of Wilson Yard

2





Multi-use trail along Lake Shore Boulevard between Don Roadway and Carlaw Ave. closed

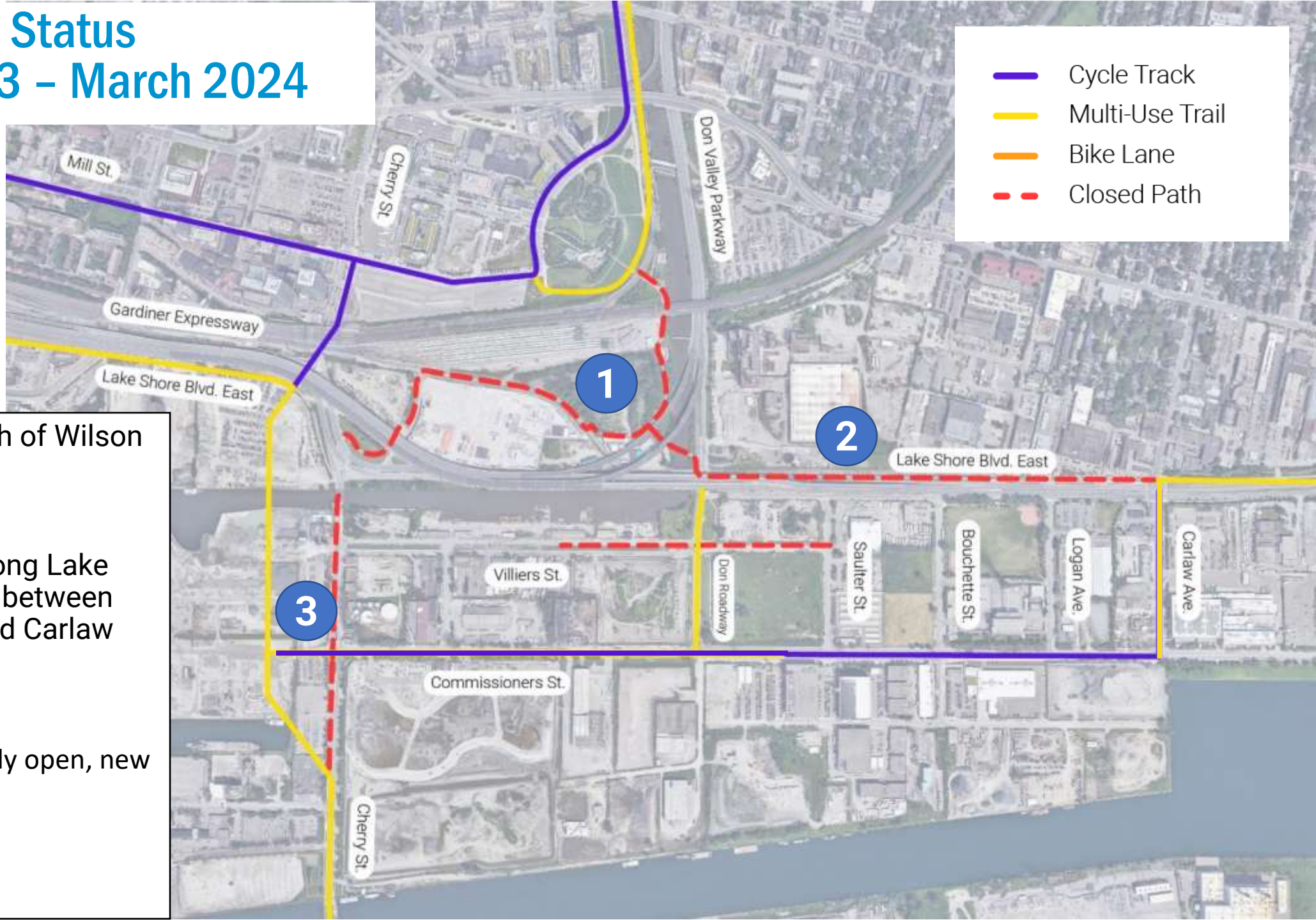
3

New Cherry St. fully open, new Multi-Use Trail on Commissioners St.

Lower Don Trail Status

November 2023 – March 2024

-  Cycle Track
-  Multi-Use Trail
-  Bike Lane
-  Closed Path



1

LDT Closed south of Wilson Yard

2

Multi-use trail along Lake Shore Boulevard between Don Roadway and Carlaw Ave. closed

3

New Cherry St. fully open, new Multi-Use Trail on Commissioners St.

What We've Hear So Far: Feedback on LSBE Traffic Management Plan

Road Users – Truck Traffic

Trucks and turning radii

Concerns about potential conflicts at intersections

- Design accommodates all trucks according to city-wide standard
- Team has evaluated and optimized bike detour routes that ensure continued safety and operations for cyclists and all other users

Accessing the Don Valley Parkway from Lake Shore Boulevard East

Requests for dedicated left and right turns (eastbound and westbound to DVP north)

- Dedicated turns would reduce the flow of through traffic to one lane and causes queues to back on to the Lake Shore Bridge, which is a safety issue
- Signal timing is being adjusted at 80 intersections, including along Lake Shore, to keep traffic moving as best as possible

Road Users – Truck Traffic

More through lanes on Lake Shore Boulevard East

Requests to adjust our plans for partial closures on Lake Shore

- Based on extensive traffic modelling, the majority of traffic will be on Lake Shore eastbound, which is why two eastbound lanes (and one westbound) are staying open at all times

Trail User Feedback

Safety

All routes should have physical separation

- Jersey barriers will be installed along Villiers and Commissioners streets to provide physical separation. Multi-use trails are separated by a curb and/or planted buffer.

Concerns raised regarding lighting, road surfaces

- Lighting was evaluated and deemed adequate along the detour
- Spot repairs are planned along the detour routes to address surfaces

Concerns raised regarding connections between bi-direction and uni-directional trails

- Intersections were designed to accommodate the high volume of cyclists in the area. E.g. Saulter St. & Villiers St. will allow for a single stage crossing to turn left from the cycling lane at the “all way stop control” on Saulter St.
- Unidirectional bike lanes would create a two-stage crossing for cyclists at the intersection.
- Bi-directional lanes were implemented along Saulter St. to remove bike boxes for the northbound left bicycle turn movement which would conflict with the existing driveway entrance.

Trail User Feedback

Safety (continued)

Questions regarding protection for cyclists at intersections

- Redesign Cherry St. and Lake Shore north intersection and improvements of the south intersection
- Turning movement analyses have been conducted to ensure the geometry of intersections accommodate turning radii for larger, construction vehicles while mitigating against conflict with cyclists

Selected Routes

Suggestions for alternate detour options

- Recommended route is the one deemed safest and most convenient
- We'll create a version of the trail detour map in Google Maps, which would allow cyclists to see which other cycling facilities or routes exist and plan their trips based on preference

Construction Complaints Protocol

All construction information signs and notices will include the following:

- A dedicated phone number: (416) 464 3583
- A dedicated email: plfp@EllisDon.com
- An online form to submit complaints: bit.ly/PLFPform

These are monitored by EllisDon. The Community Liaison Officer will respond within 1 business day: M-Th the next morning (within 24 hrs) F-Sun Mon morning (within 72 hrs)

Timeline & Next Steps

- Public Information Centre – July 2021
- Traffic Notices – mailed and emailed beginning August 2021
- Signage and wayfinding – beginning August 2021

Discussion and Feedback