

PORT LANDS FLOOD PROTECTION

Port Lands Flood Protection Construction Liaison Committee Meeting #4

November 28, 2018



Agenda

1. Introductions
2. Construction Update: Cherry Street Stormwater and Lakefilling
3. Construction Update: Port Lands Flood Protection
4. Traffic Management Plan Update
5. Discussion and Feedback

Project Overview



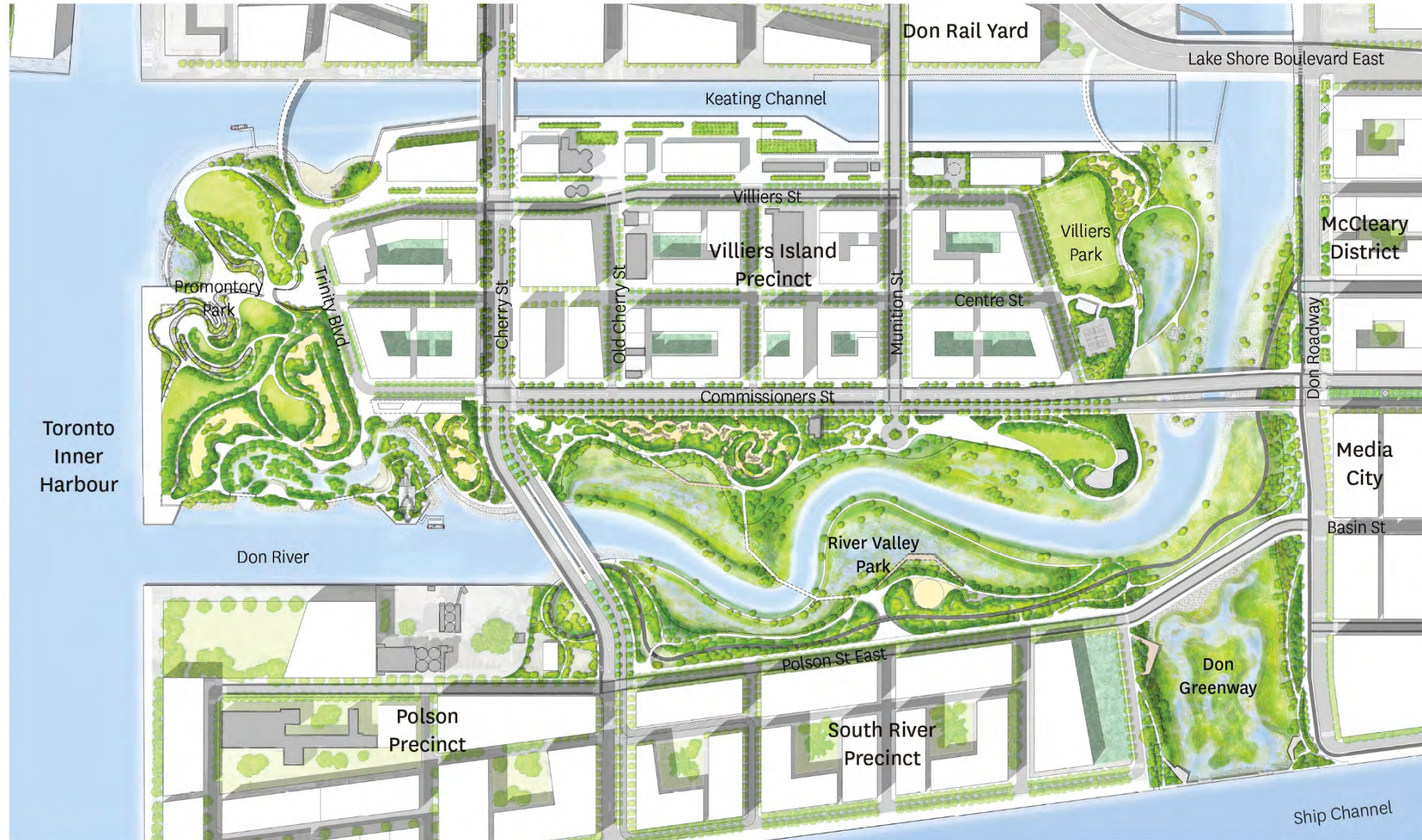








Full Vision Plan

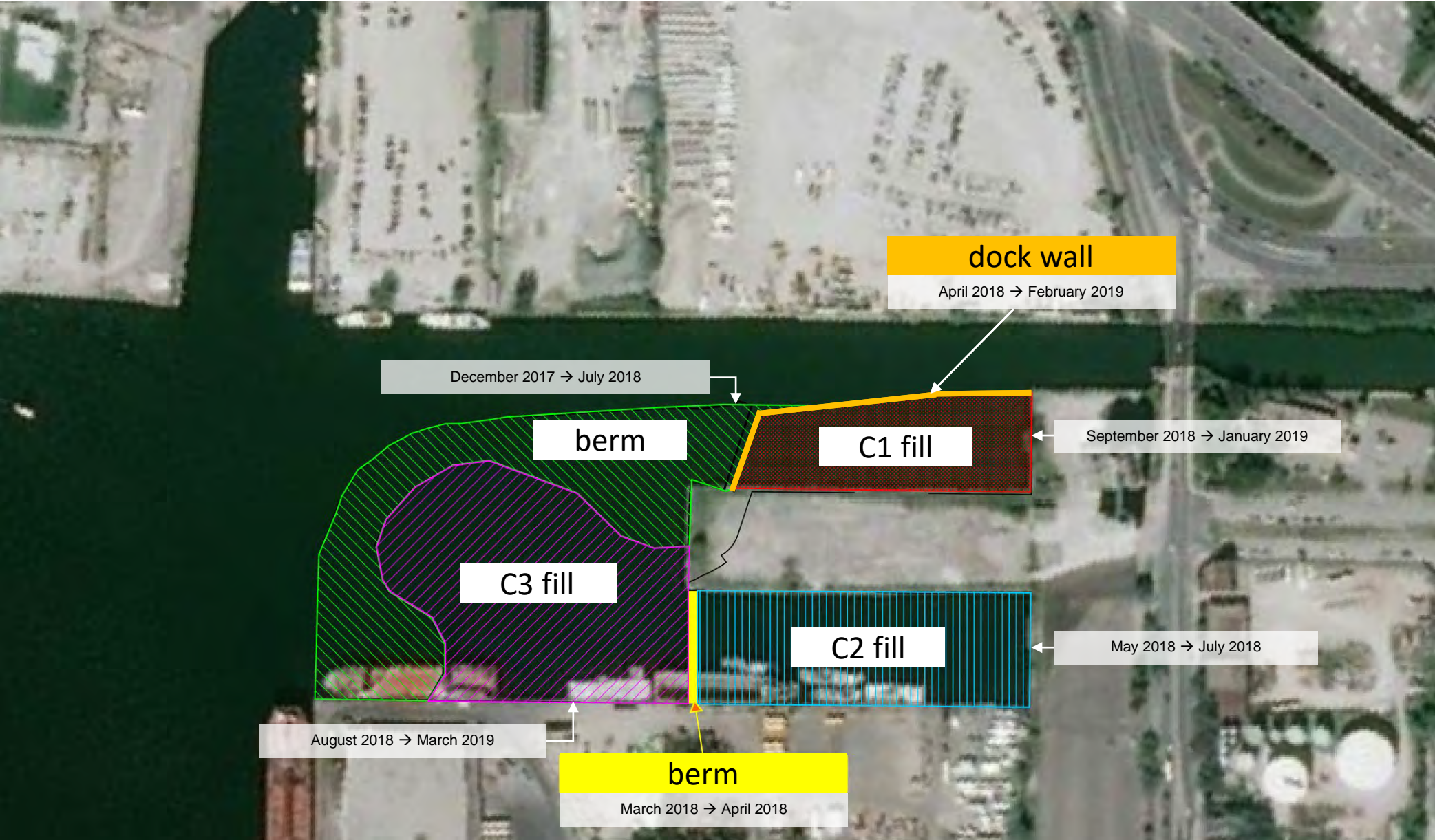


Funded Project Areas

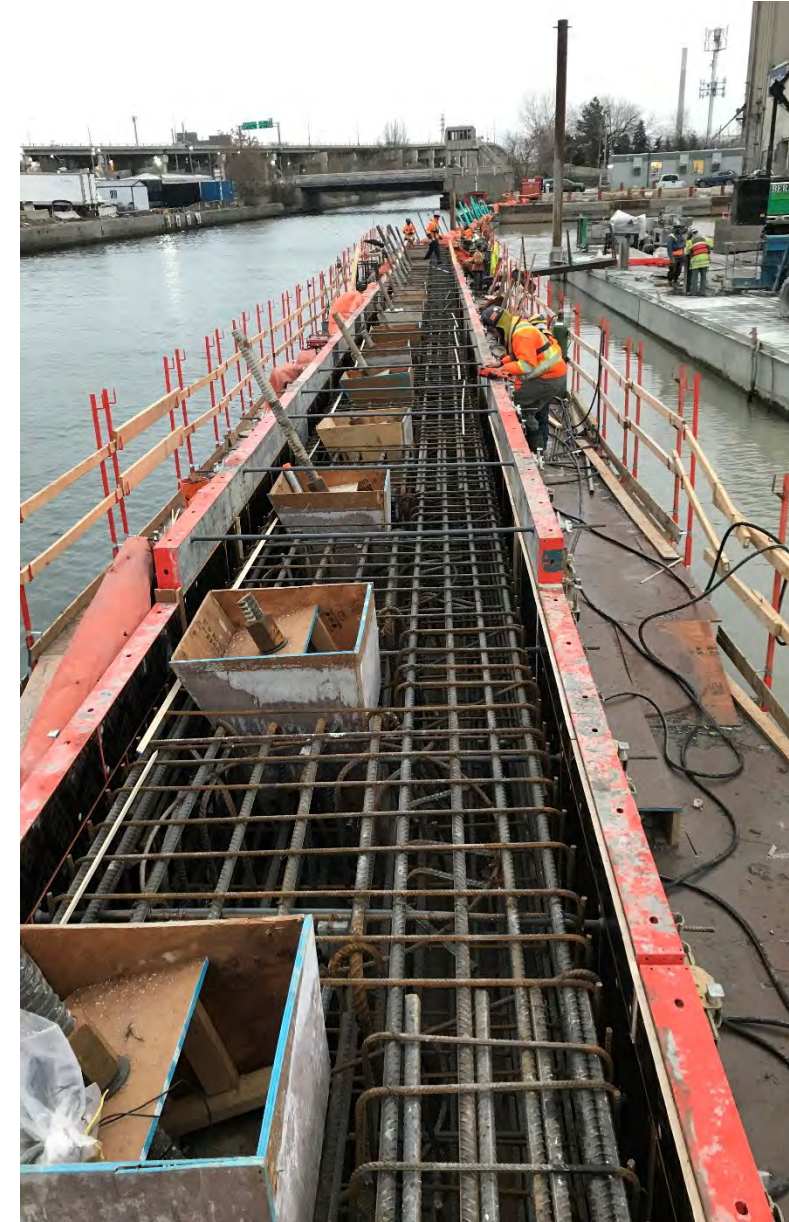


Construction Update: Cherry Street Stormwater and Lakefilling

Construction Schedule



Ongoing Construction: Dock Wall



Ongoing Construction: Lakefilling



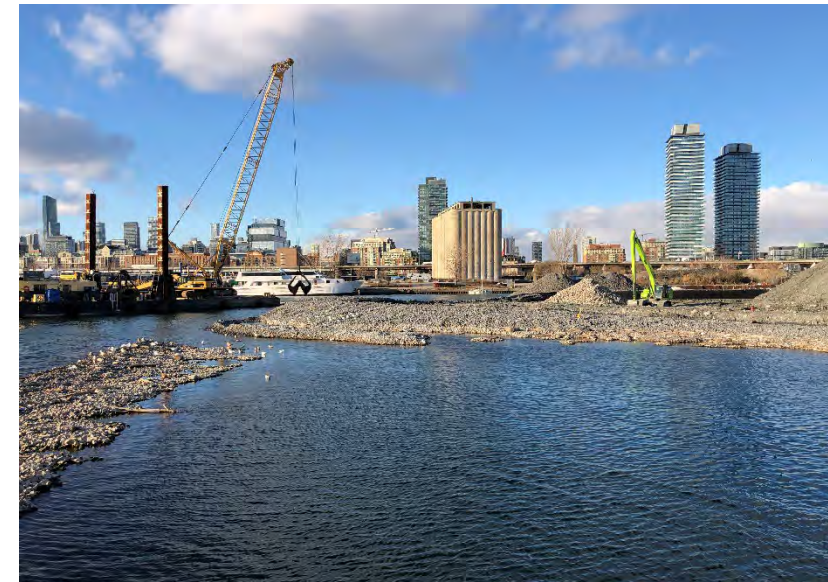
Ongoing Construction: New Cherry Street Alignment



Ongoing Construction: Marine Landscaping



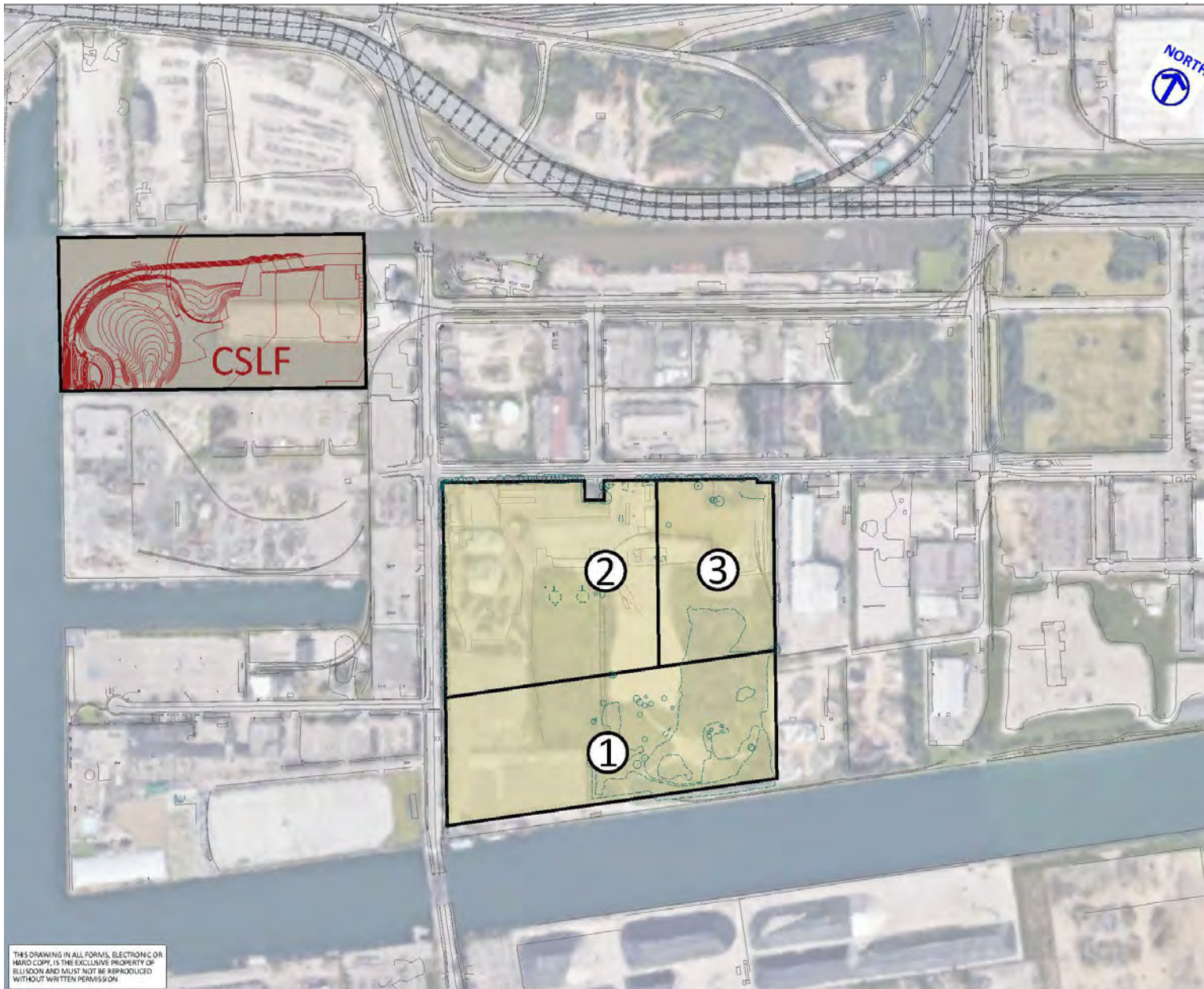
Ongoing Construction: Fish Cove





Construction Update: Port Lands Flood Protection

Ongoing Construction: August – December 2018



AREA 1

- Tree cutting
- Demolition: parking lot
- Site preparation: removal and stockpiling of topsoil

AREA 2

- Tree cutting
- Demolition: buildings, parking lot
- Site preparation: removal of topsoil

AREA 3

- Tree cutting
- Demolition: building, parking lot
- Site preparation: removal of topsoil

MONITORING (SITE-WIDE)

- Air, dust, noise, odour, weather

Ongoing Work: Site Preparation



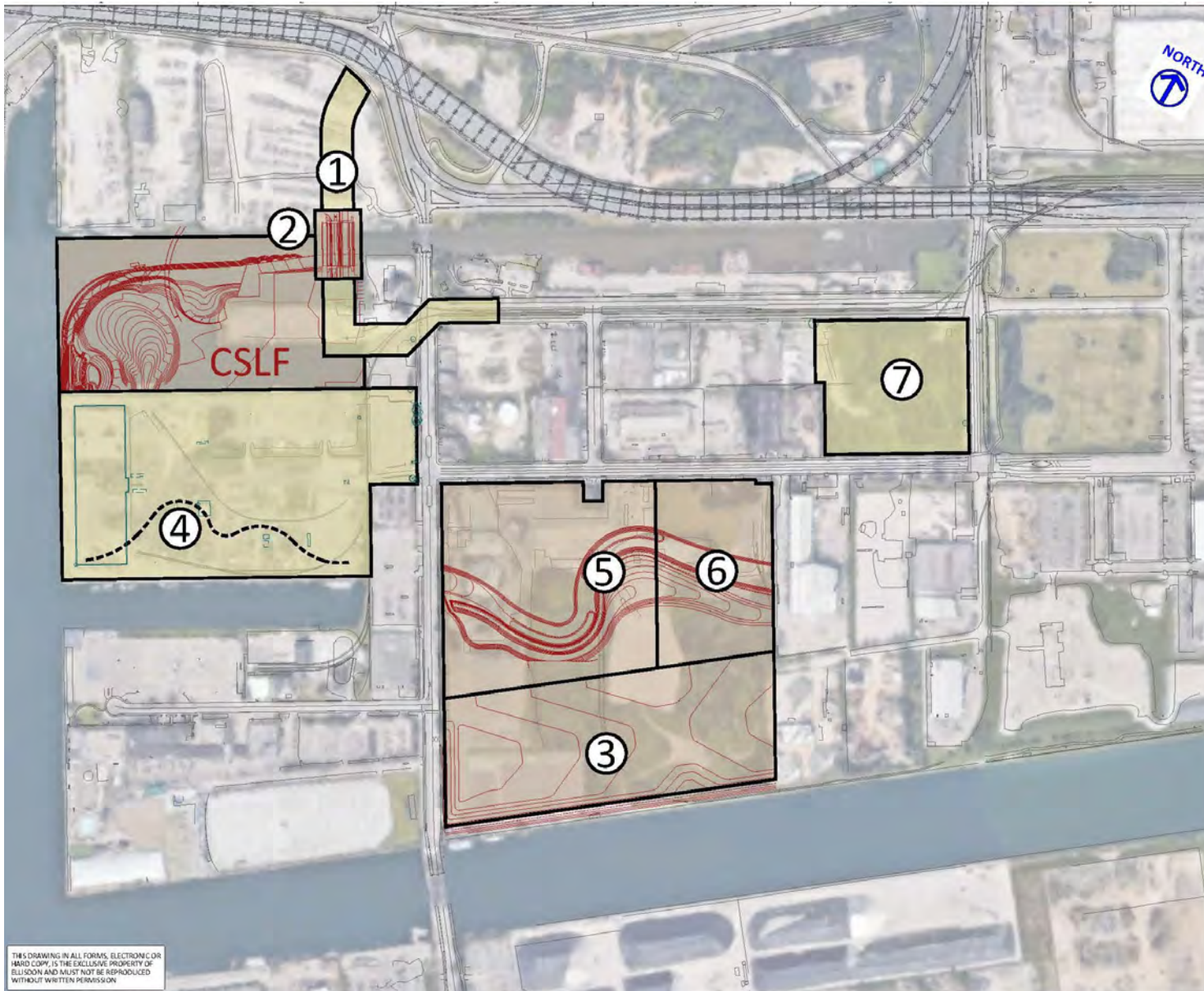
Ongoing Work: Soil and Groundwater Sampling



Ongoing Work: Air, Dust, Noise, Odour and Weather Monitoring



Upcoming Construction: January-March 2019



AREA 1

- Cherry Street realignment: demolition, site preparation

AREA 2

- New Cherry Street Bridge

AREA 3

- Installation of soil treatment facility

AREA 4

- Demolition: parking lots, buildings
- Site preparation

AREA 5

- Excavation

AREA 6

- Site preparation

AREA 7

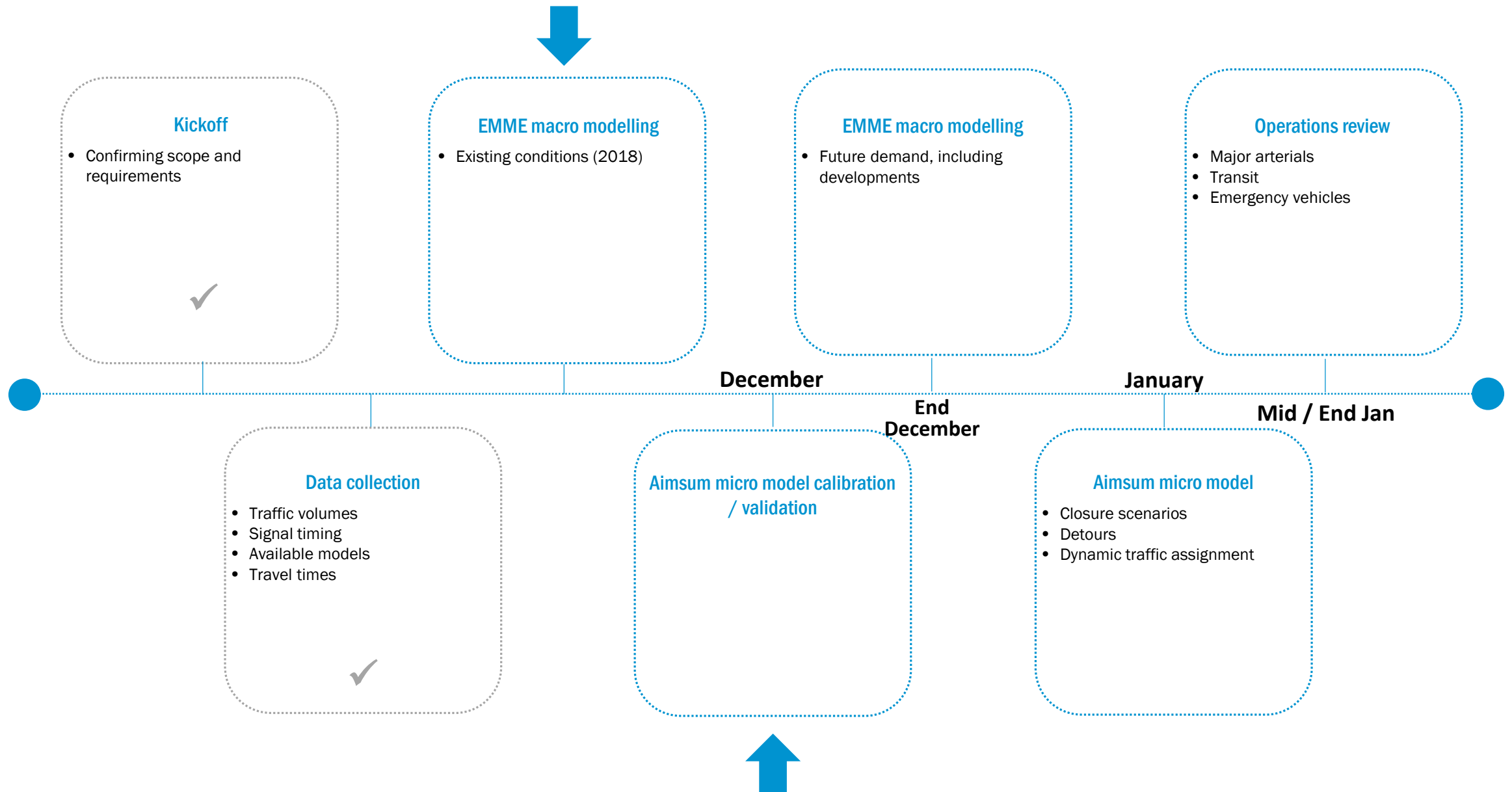
- Tree cutting
- Demolition: buildings, parking lots
- Site preparation

MONITORING (SITE-WIDE):

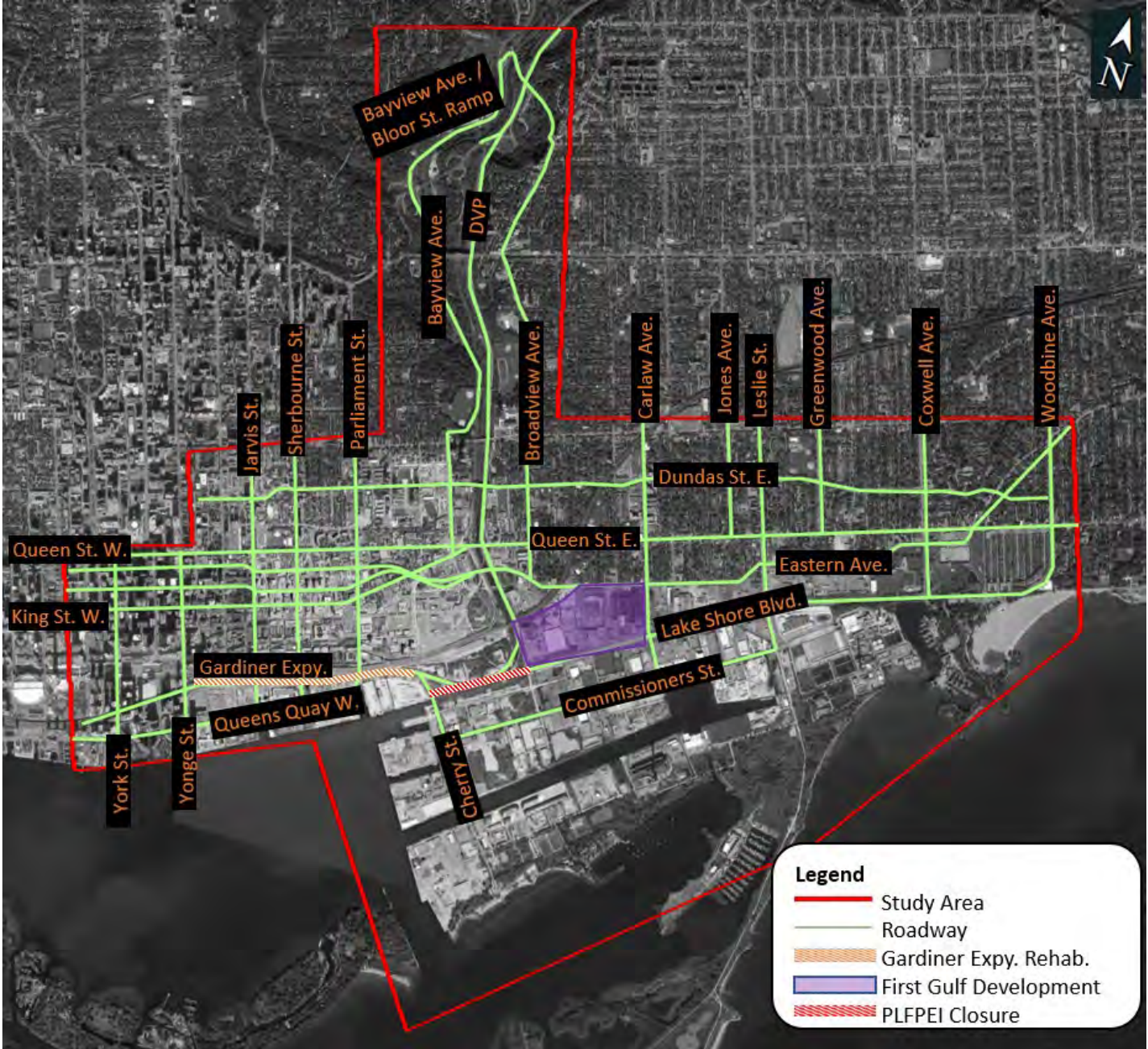
- Air, dust, noise, odour, weather
- Turbidity
- Surface-water quality
- Vibration

Traffic Management Plan Update: Port Lands Flood Protection

Where are we now?



Current Study Area




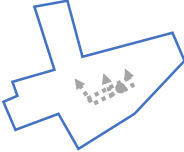



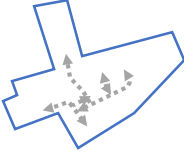



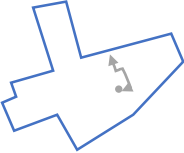



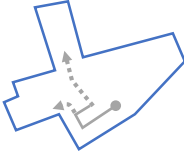



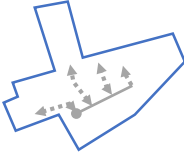



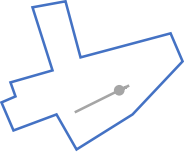


Data Collected: Stakeholder Input




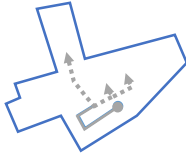



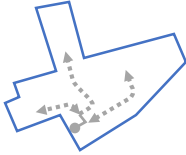



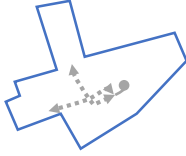



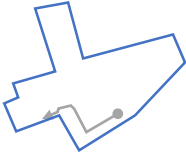



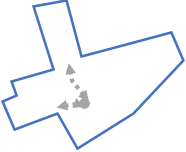
We received data from 17 stakeholders on:

- Trips to/from the business:
 - Roadways
 - Time of day
- Special times for spike in traffic (seasonal or during special events)
- Level of operations that can accommodate as a “worst case scenario”
- Alternative routes and/or time of day during construction

Data Collected: Stakeholder Input

BUSINESS	MAX. DAILY VEHICLE VOLUMES	FREQUENCY/ DURATION	PRIMARY ROUTES
	 810	 MON-FRI* 06:00 – 09:00 14:00 – 17:00 Secondary shift – 24/7 shift work	 East/West along Commissioners, Lake Shore North/South along Don Roadway, Carlaw, Leslie
	 520	 MON-FRI 05:30 - 18:00	 Cherry – Lake Shore Commissioners – Leslie / Don Roadway Smaller streets (e.g. Villiers, Logan, Carlaw)
	 384	 EVERY DAY 24 hours/day 3-4 busses every 15 mins	 TTC Bus Route 83
	 200	 SUN-FRI 05:30 - 14:30 open until 4 or 5 pm on busy winter shipping days	 Unwin – Cherry Gardiner West via Lake Shore DVP North via Don Roadway
	 190	 MON-FRI 08:00 - 20:30	 East of DVP: Commissioners – Leslie (80%) and/or Carlaw (20%) West of DVP: Commissioners – Carlaw or Don Roadway
	 110	 MON-FRI* 06:00 – 18:00	 Commissioners Backup routes: Leslie, Carlaw, Don Roadway, Cherry




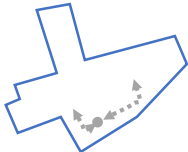



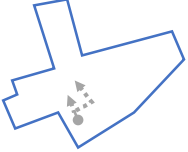



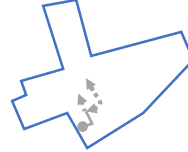



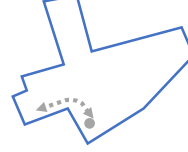



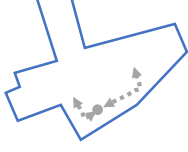




Data Collected: Stakeholder Input

BUSINESS	MAX. DAILY VEHICLE VOLUMES	FREQUENCY/ DURATION	PRIMARY ROUTES
	 99	 SUN-FRI 08:00 - 19:00 <small>various departure times</small>	 Unwin – Cherry East/West on Commissioners Carlaw, Leslie or Cherry to Don Roadway
	 85	 MON-FRI 04:00 - 16:00	 Polson via Cherry Lake Shore or DVP/Don Roadway/Commissioners Leslie – Unwin
	 75	 MON-FRI* 05:00 – 20:00	 Out: Commissioners – Carlaw – Lake Shore – Gardiner In: DVP – Don Roadway - Commissioners
	 70	 SUN-FRI 18:00 - 06:00	 Unwin – Cherry
	 48	 MON-FRI* 07:00 – 19:00	 Cherry – Villiers Don Roadway – Villiers Commissioners – Don Roadway – Villiers Commissioners – Munitions

* Respondent did not specify days when the business typically operates, assumed Monday – Friday

** based on 625 vehicle event held over 3 days (largest event of the year)

Data Collected: Stakeholder Input

BUSINESS	MAX. DAILY VEHICLE VOLUMES	FREQUENCY/ DURATION	PRIMARY ROUTES
	 300	 EVERY DAY 24 hours/day <small>70 trucks, average 4 trips/day</small>	 Cherry to Unwin or Leslie to Unwin
	 800	 EVERY DAY 09:00 – 22:00	 Don Roadway, Commissioners Street and Cherry Street via Lake Shore
	 30,000 <small>During peak (May – Sept)</small>	 EVENT DAYS 18:00 – 04:00	 Don Roadway, Commissioners Street and Cherry Street via Lake Shore
	 200**	 EVENT DAYS 07:00 – 23:59 <small>Can be 24 hours/day</small>	 Cherry – Lakeshore – Lower Simcoe – Wellington – John → MTCC North Cherry – Lakeshore – Lower Simcoe → MTCC South
	 160	 MON-FRI* 05:00 – 14:00	 Cherry to Unwin or Leslie to Unwin
	 620	 MON-FRI 08:00 – 16:00	 Commissioners to Cherry St, Don Road or Leslie Street Also one entrance on Bouchette St / Basin St

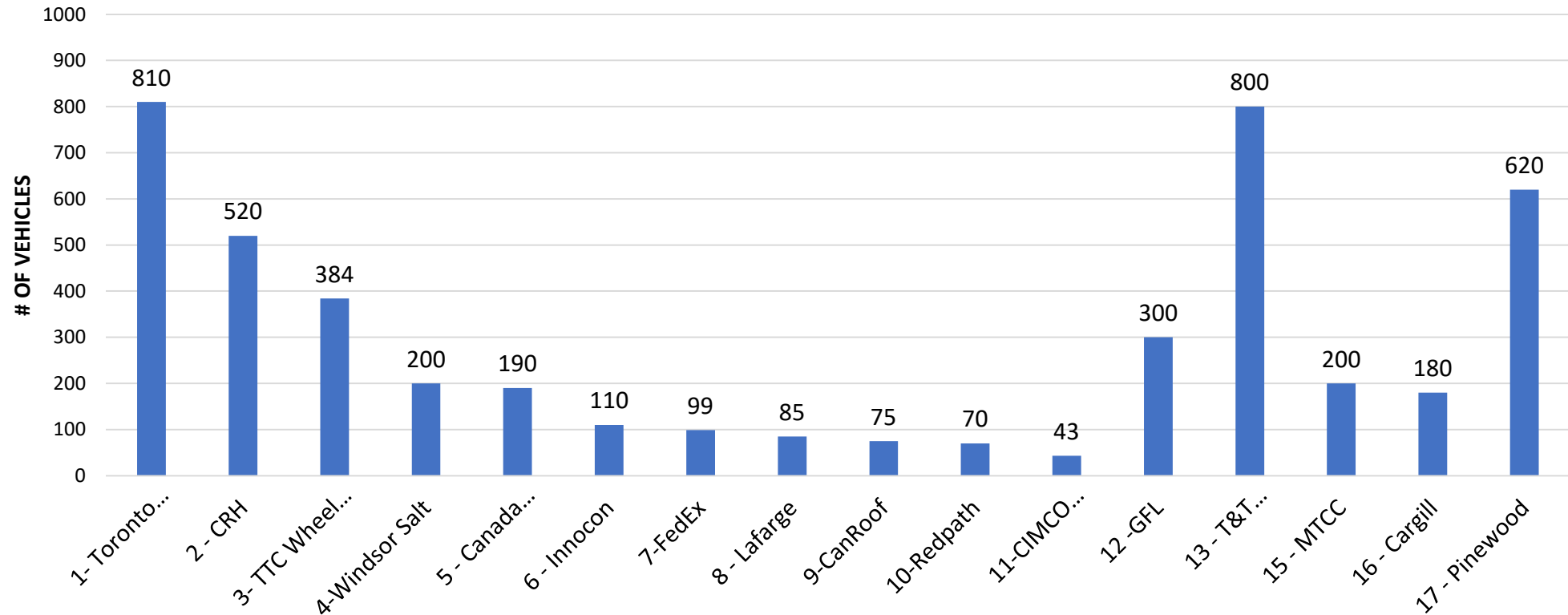
* Respondent did not specify days when the business typically operates, assumed Monday – Friday
** based on 625 vehicle event held over 3 days (largest event of the year)

Data Collected: Stakeholder Input



Stakeholder Input Integrated with Additional Data

Daily Trips Generated by Stakeholders



- Traffic model will consider how total trips generated by stakeholder businesses are distributed throughout a typical day
- Model will drive the traffic management plan and will inform detour routes (vehicles, active transportation, TTC) , signage and pavement markings
- The off peak traffic generated by Rebel Nightclub will also be considered as part of the traffic management plan

Next Steps

- **November - December 2018:** Continuous Coordination with City staff and stakeholders
- **January 2019:** Complete model of existing conditions; update to CLC
- Additional consultation with City staff and stakeholders as Traffic Management Plan is finalized
- Finalize Traffic Management Plan in advance of any major closures

Discussion and Feedback