



# It's happening now

## Queens Quay Revitalization

Central Waterfront Update Meeting: June 6, 2012



**BEFORE**

Beginning the transformation of Queens Quay from austere and uninviting...



AFTER

...into a truly great and vibrant waterfront street



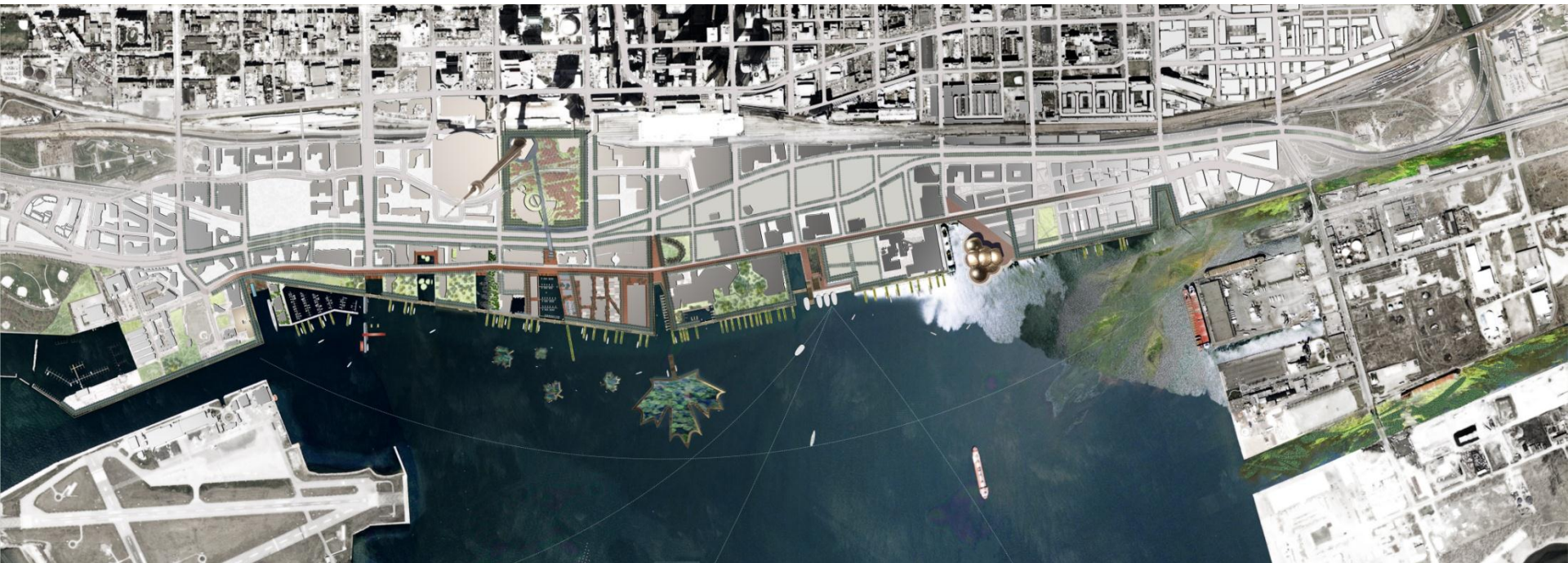
BEFORE

From a place to move through...



AFTER

...into a great place to be



June 2006: Central Waterfront Design Competition



## Summer 2006: Quay to the City Pilot Project

Municipal Class • ENVIRONMENTAL STUDY REPORT

## QUEENS QUAY REVITALIZATION ENVIRONMENTAL ASSESSMENT



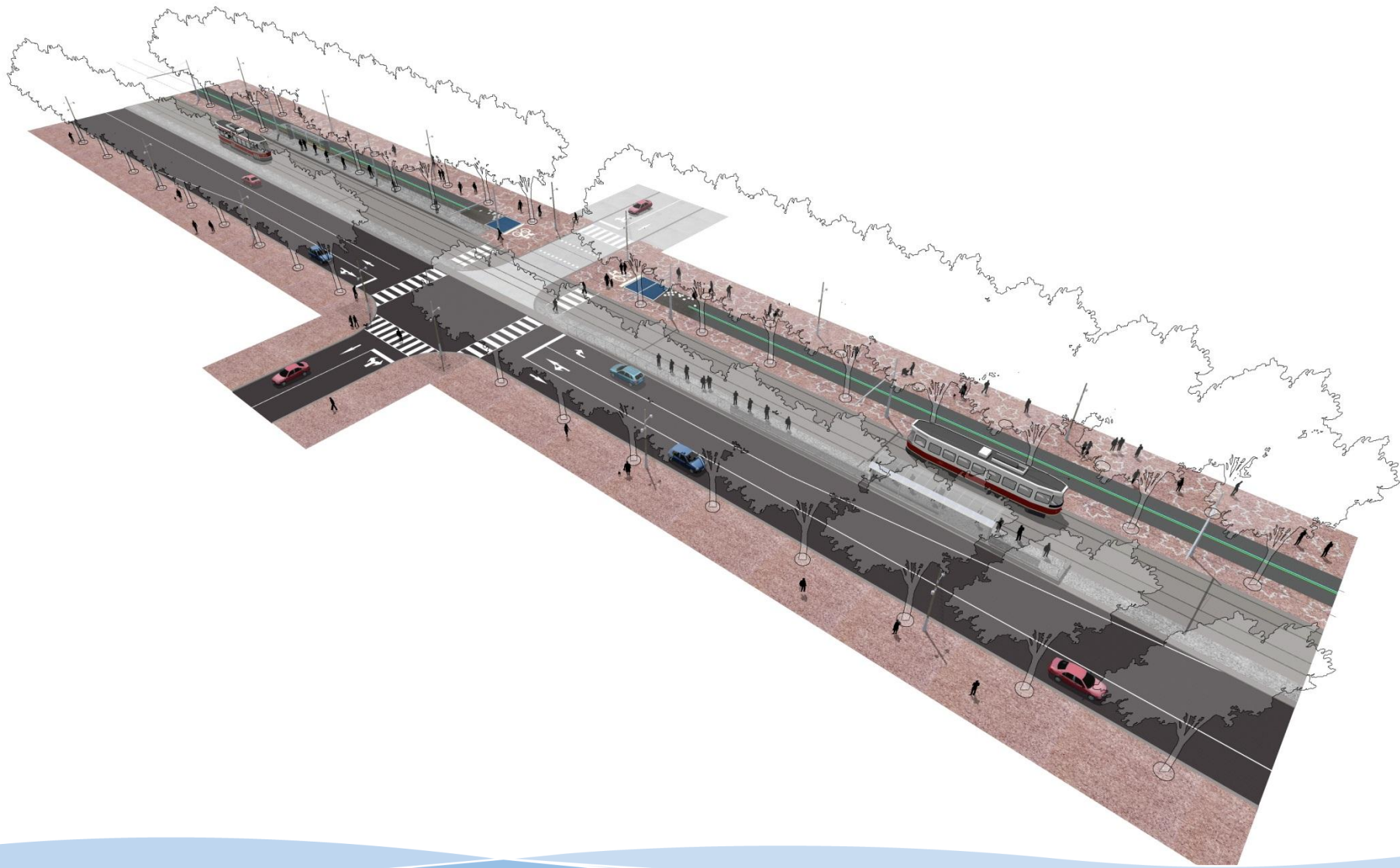
Waterfront Toronto  
and the City of Toronto

December 2009

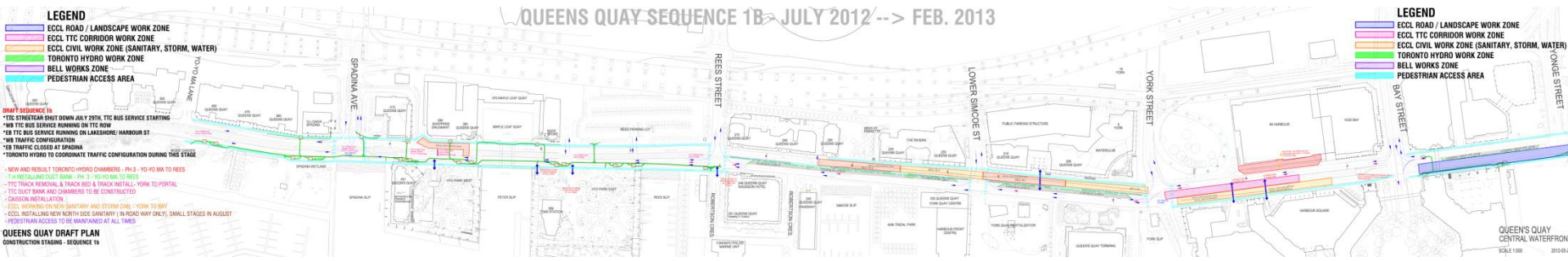


April 2010: Full Approval for Environmental Assessment





Fall 2010 – Summer 2011: Detailed Design for Queens Quay



November 2011 – June 2012: Planning for Construction

# It's happening now

## Queens Quay Vision

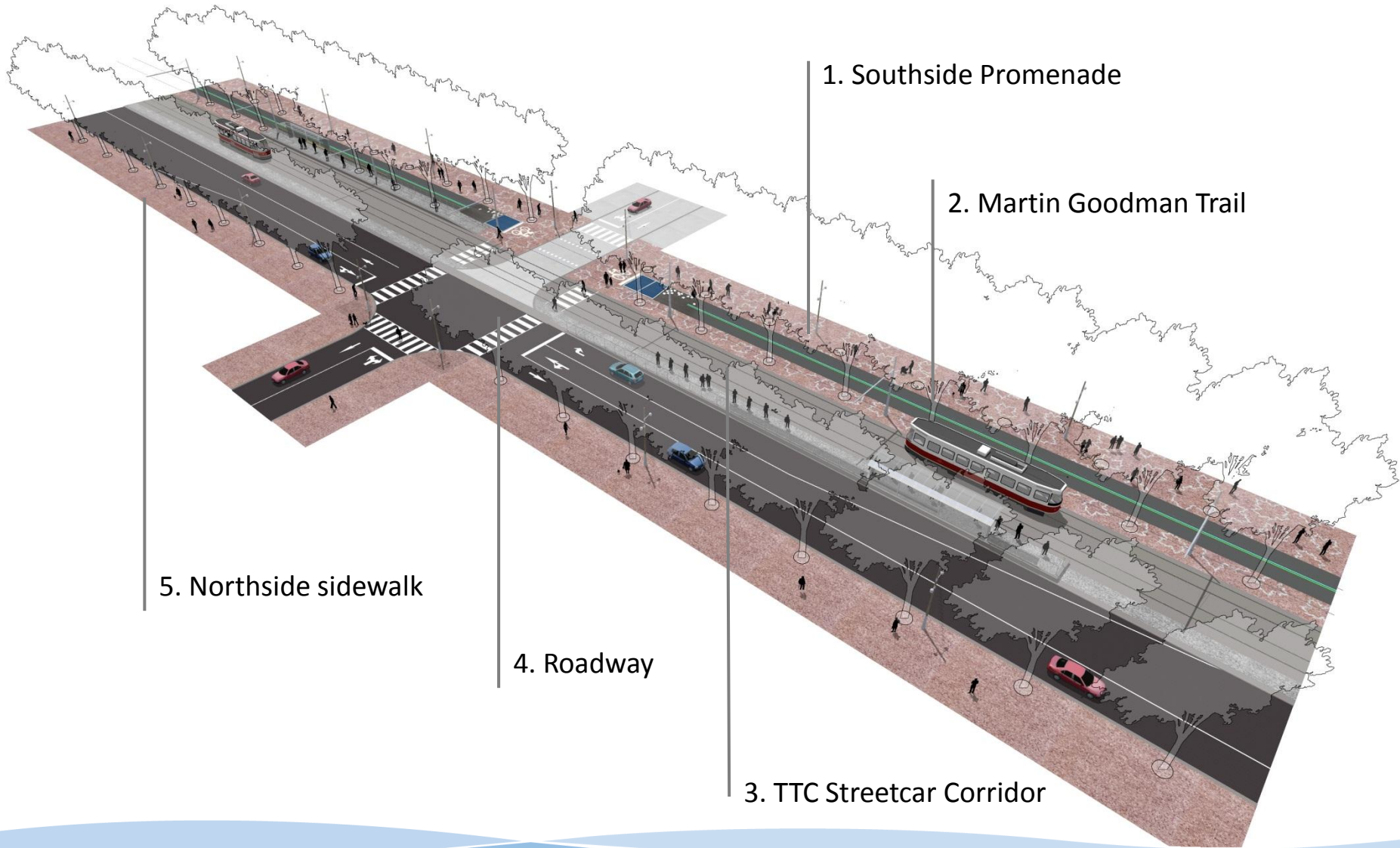


## Design Team

Lead Designer:	West 8 + DTAH
Civil/Municipal Engineer:	ARUP
Structural Engineering:	Halsall
Bus/Traffic Management:	BA Group
Utility Coordination/Design:	DPM Energy
Electrical:	TSL Consulting & Design Group
Environmental and Geotechnical:	LVM Franz/Golder Associates
Cost Estimating:	AW Hooker Associates Ltd.
Urban Forestry:	James Urban and Associates
Irrigation:	Smart Watering Systems

## Construction Team

Construction Manager:	Eastern Construction Company Ltd.
Toronto Hydro Constr. Contractor:	Powerline Plus Ltd.
Bell Canada Constr. Contractor:	Aecon



1. Southside Promenade

2. Martin Goodman Trail

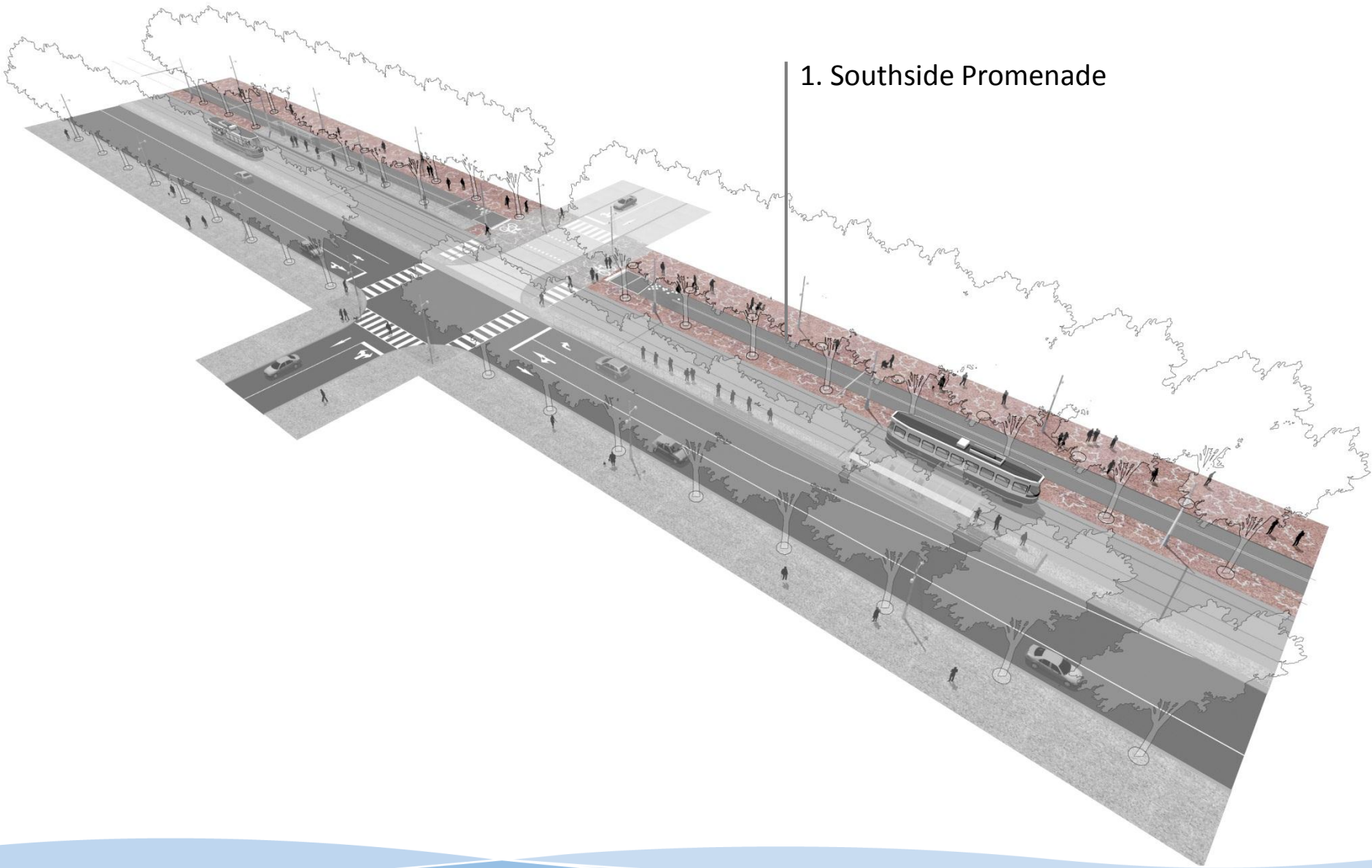
5. Northside sidewalk

4. Roadway

3. TTC Streetcar Corridor

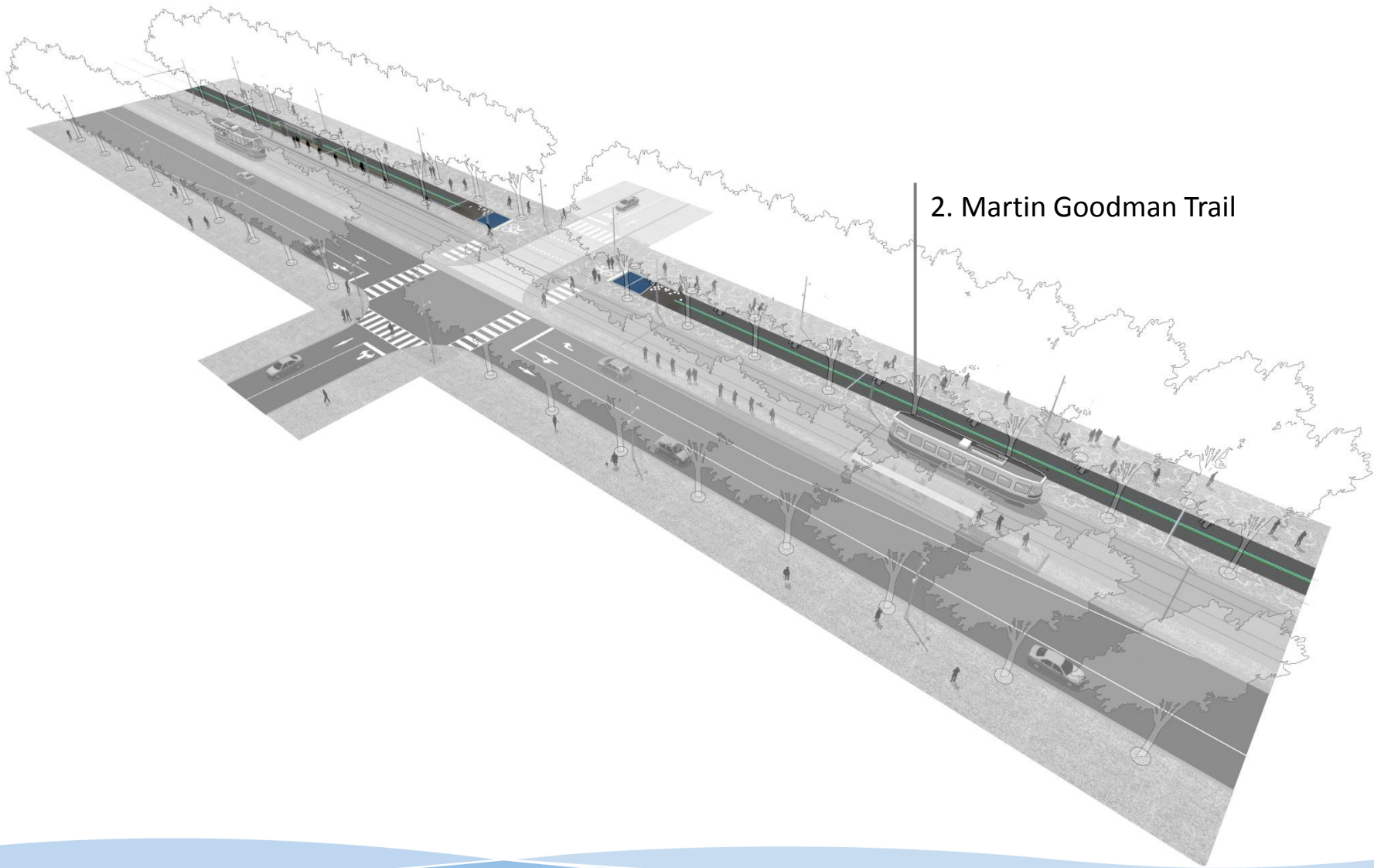
# Design Elements for Queens Quay

1. Southside Promenade





New Pedestrian Promenade: Generous granite mosaic



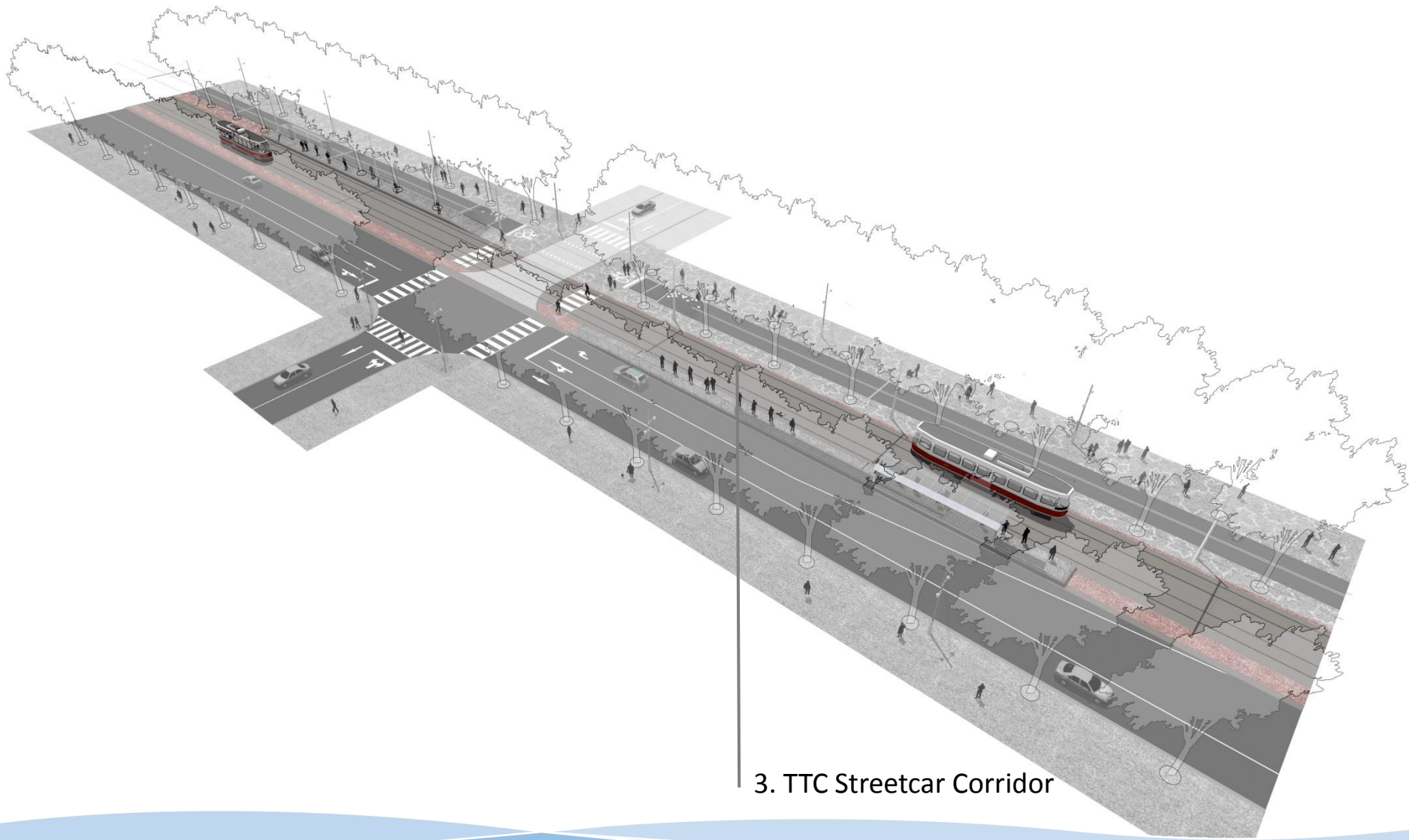
2. Martin Goodman Trail

Design Elements for Queens Quay





New Martin Goodman Trail: Connecting east and west and framed by double row of trees

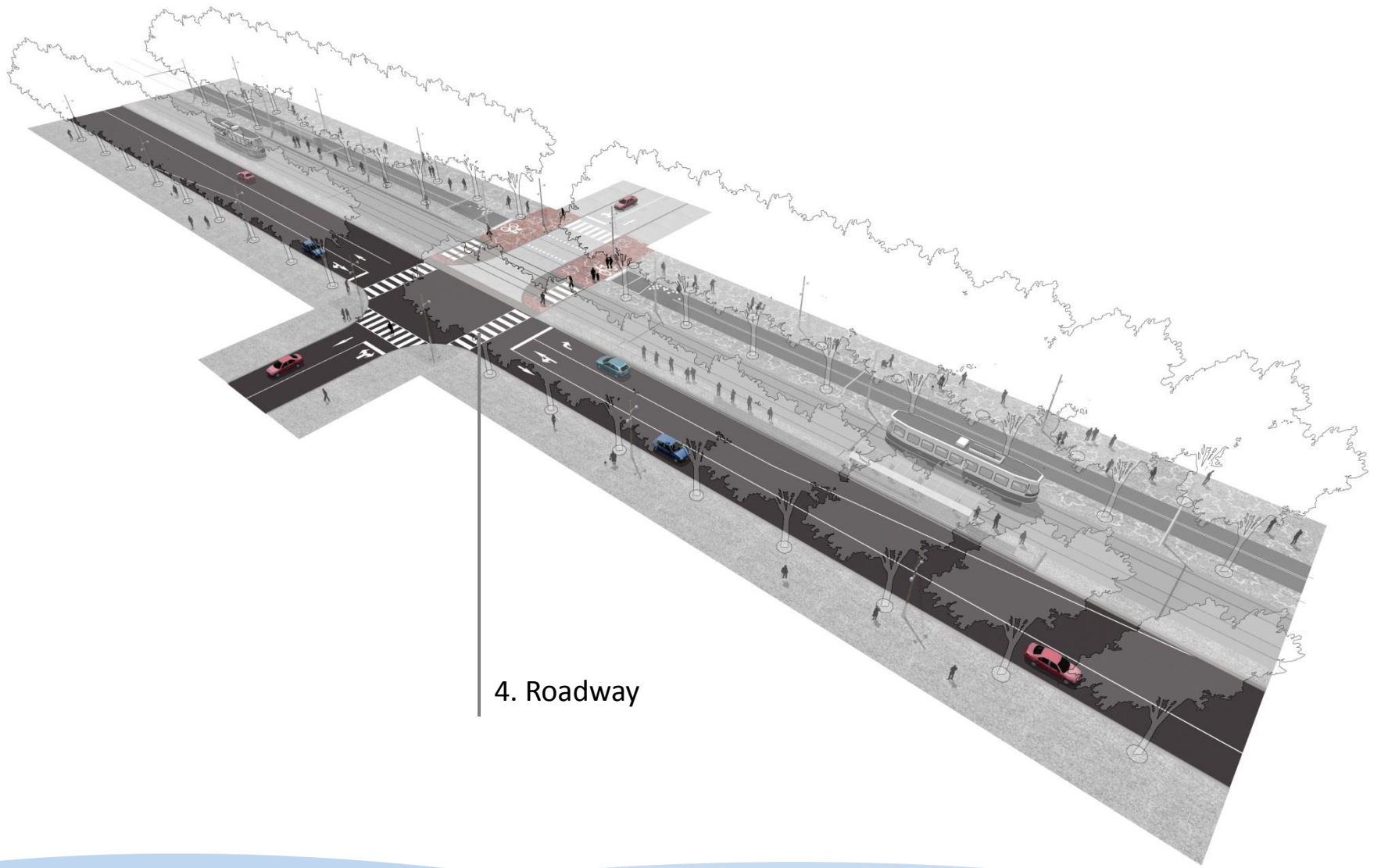


3. TTC Streetcar Corridor

## Design Elements for Queens Quay



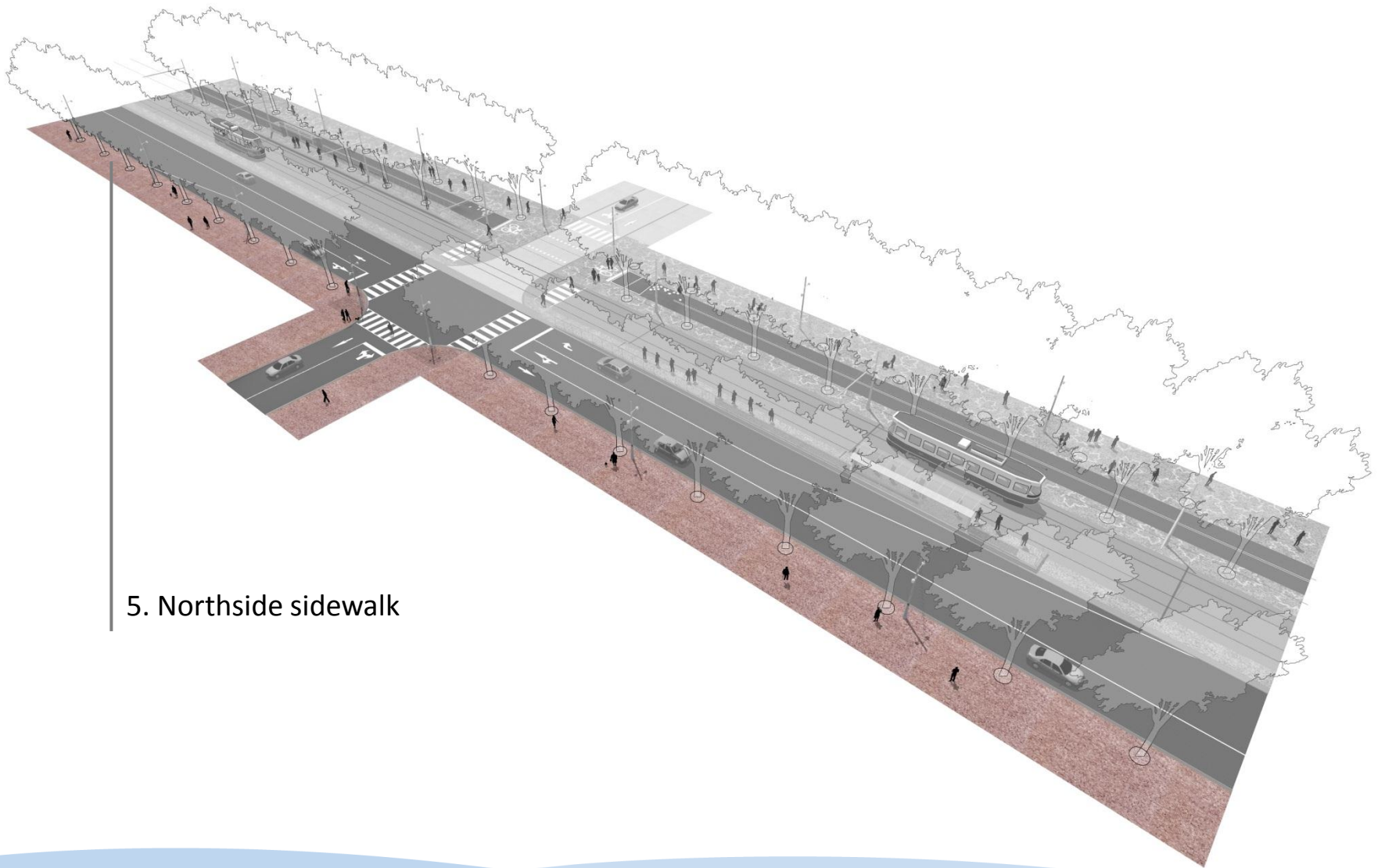
TTC: New streetcar right-of-way with expanded platforms and amenities



4. Roadway



Roadway: New Two-lane, two-way road with expanded turning lanes and laybys and improved signalization



5. Northside sidewalk



North Side Beautification: Granite curbs/sidewalk pavers and tree-planting

Storm sewer installation



Watermain installation



Completely upgraded utilities and municipal services





**BEFORE**

**Improvement to Public and Private Space - Northside**



AFTER

Improvement to Public and Private Space - Northside



NOW

Improvement to Public and Private Space - Southside



AFTER

Improvement to Public and Private Space - Southside



Interim Martin Goodman Trail Connection  
Existing: Looking East at Pier 27



Martin Goodman Trail Connection  
Looking East at Pier 27



Interim Martin Goodman Trail Connection  
Existing: Looking East at Redpath

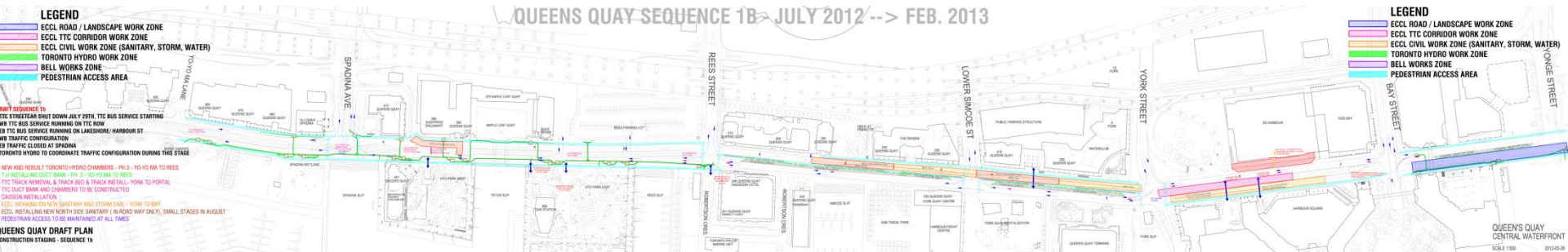


Interim Martin Goodman Trail Connection  
Looking East at Redpath



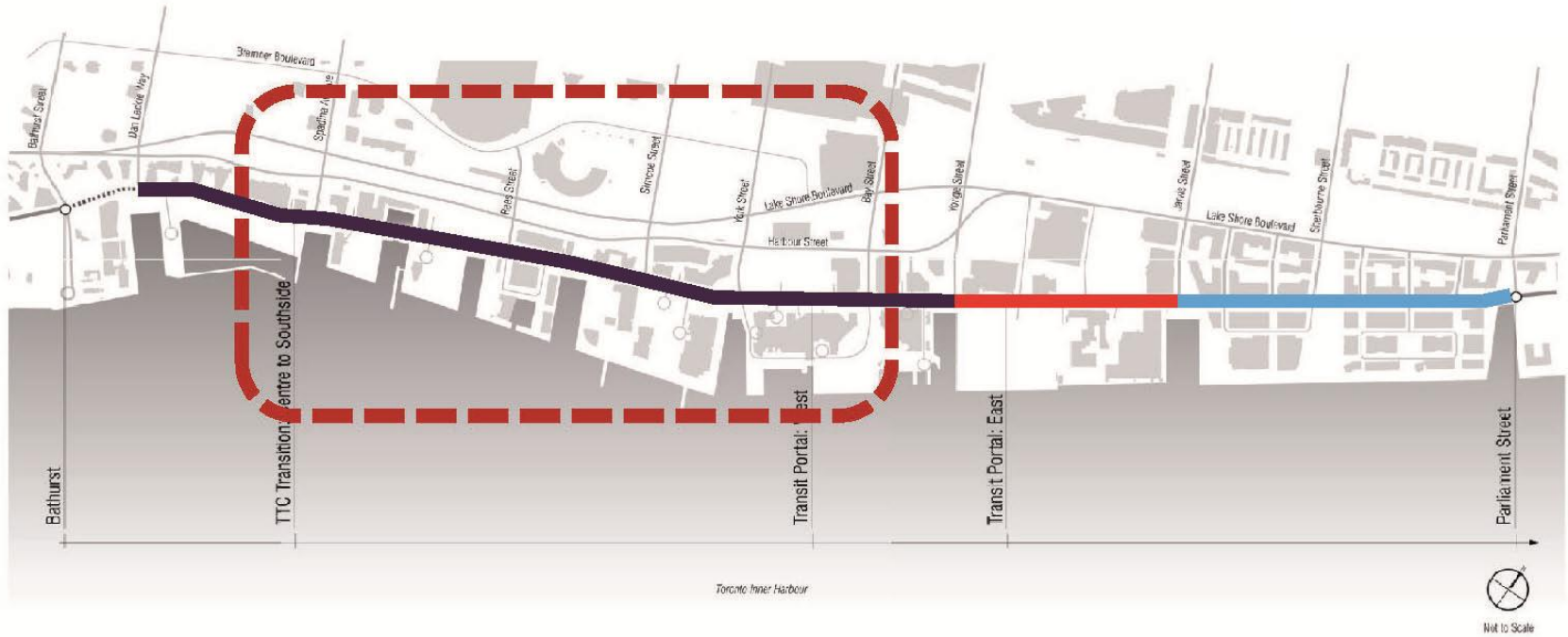
# It's happening now

## How construction will unfold



# PROJECT BOUNDARIES

- Queens Quay Central Waterfront  
Yo Yo Ma Lane – Bay Street
- Interim MGT Connection  
Bay Street – Jarvis Street
- EBF Queens Quay  
Jarvis Street - Parliament



## Construction is about more than rebuilding the surface of the roadway

- Transit infrastructure and most of the utilities and municipal services beneath Queens Quay require major upgrades and/or expansion now
  - The TTC tracks have reached the end of their service life
  - Toronto Hydro is replacing aging electrical infrastructure
  - Bell will building new infrastructure and run new fibre optic cable
  - The aging sanitary line will be rebuilt and relocated
  - Storm sewer and water main upgrades
- These projects would have happened in the near future with or without the revitalization of Queens Quay
- We are coordinating these upgrades with our work to avoid the need for more disruptive construction in the near future

Coordinated Construction

## Benefits of working in a coordinated manner

- Streamlined Schedule – Overlapping approach allows different construction programs to run simultaneously.
- Moratorium After Construction Complete – Avoids the need for more construction on Queens Quay in the near future.
- Cost Effective – Streamlined schedule means crews are not required to stop work and remobilize.

# Stage 1: Utility Upgrades and TTC Rebuild

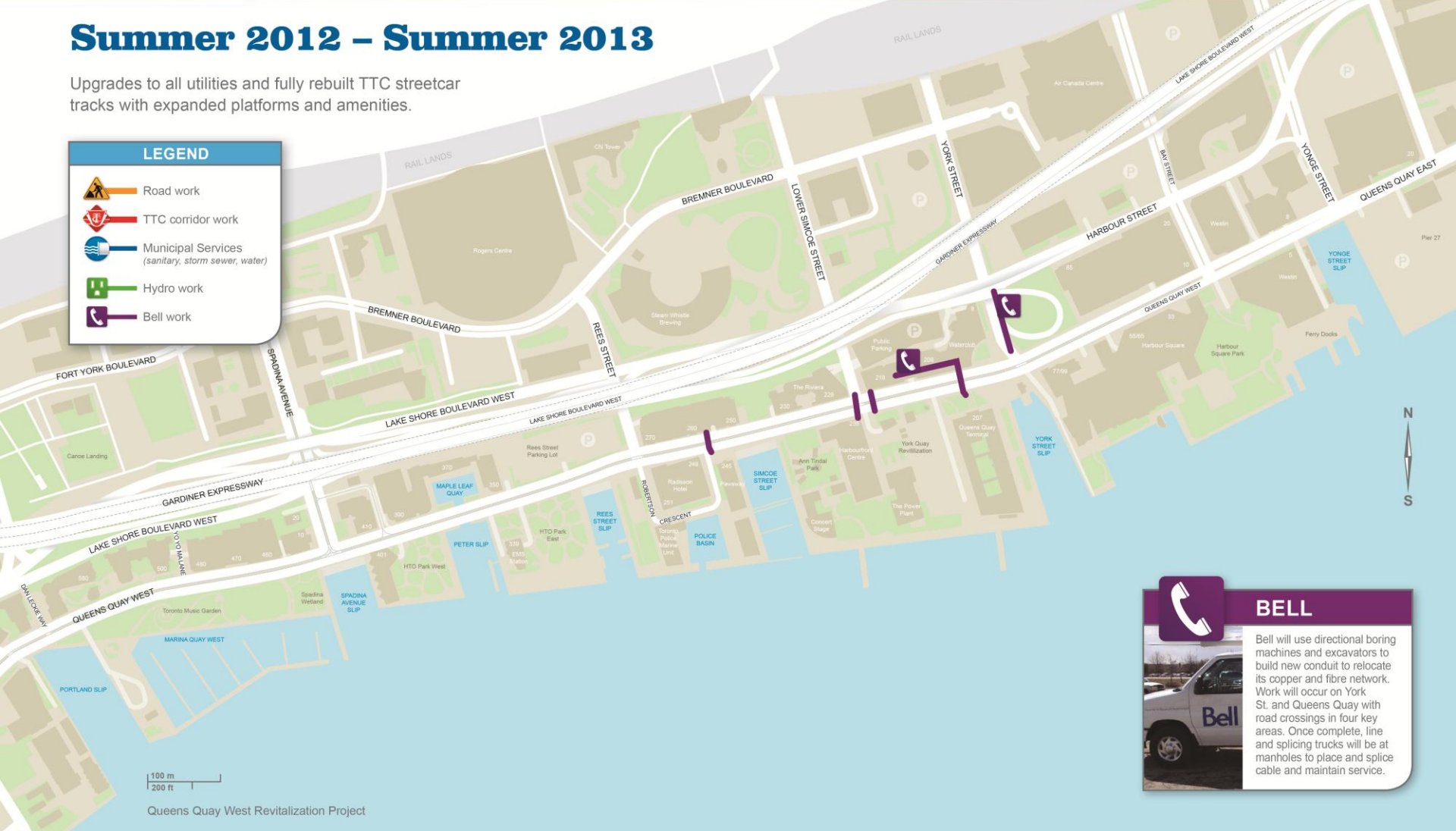


## Summer 2012 – Summer 2013

Upgrades to all utilities and fully rebuilt TTC streetcar tracks with expanded platforms and amenities.

**LEGEND**

- Road work
- TTC corridor work
- Municipal Services (sanitary, storm sewer, water)
- Hydro work
- Bell work



**BELL**

Bell will use directional boring machines and excavators to build new conduit to relocate its copper and fibre network. Work will occur on York St. and Queens Quay with road crossings in four key areas. Once complete, line and splicing trucks will be at manholes to place and splice cable and maintain service.

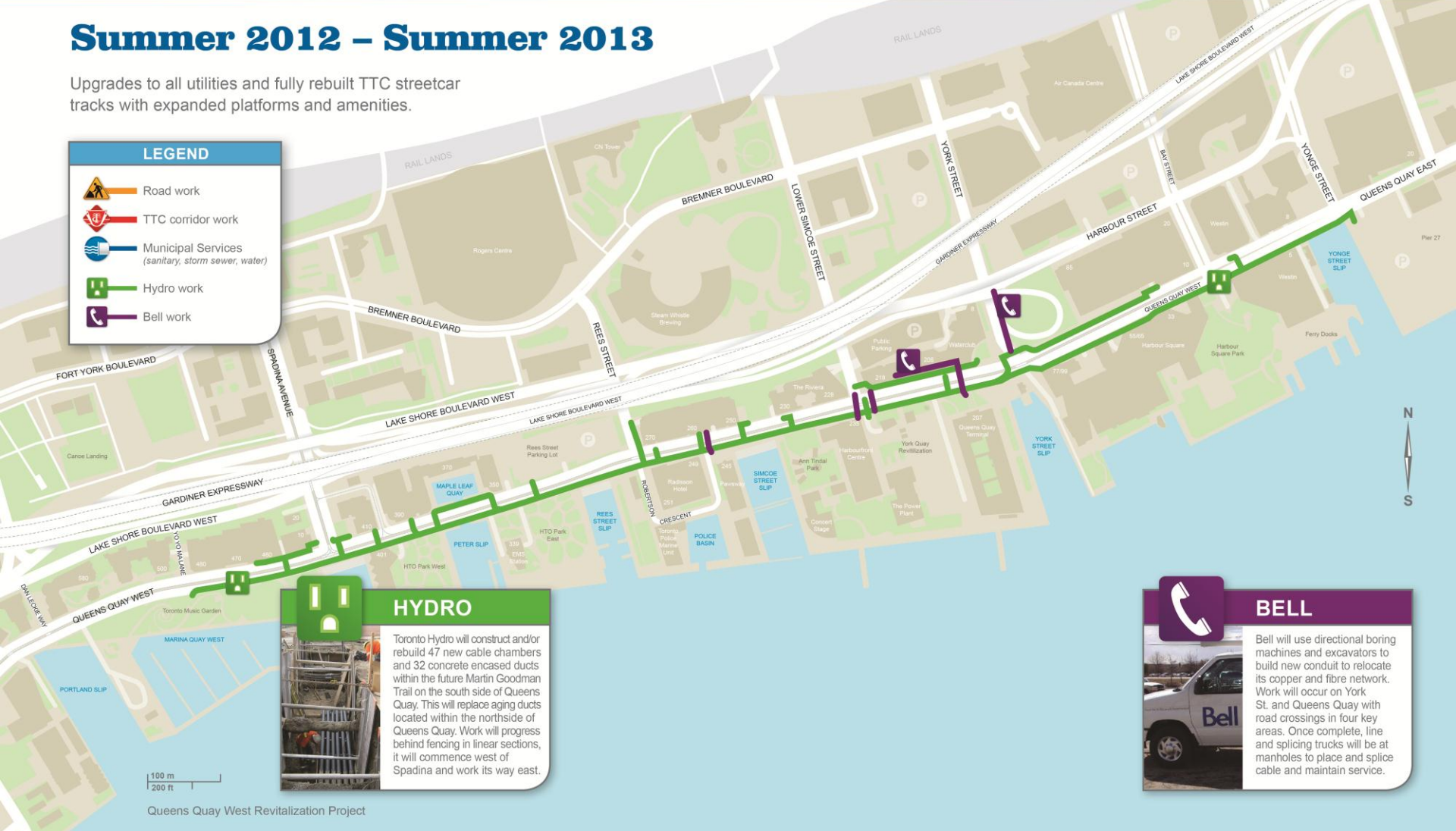
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**LEGEND**

-  Road work
-  TTC corridor work
-  Municipal Services  
(sanitary, storm sewer, water)
-  Hydro work
-  Bell work



**HYDRO**



Toronto Hydro will construct and/or rebuild 47 new cable chambers and 32 concrete encased ducts within the future Martin Goodman Trail on the south side of Queens Quay. This will replace aging ducts located within the northside of Queens Quay. Work will progress behind fencing in linear sections, it will commence west of Spadina and work its way east.

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100 m  
200 ft

Queens Quay West Revitalization Project

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- Bell work

**ROAD WORK**



Crews will construct a new taxi stand and several new laybys designed for passenger loading and unloading. These required new facilities are being undertaken in Stage One to help with traffic circulation during construction.

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**MUNICIPAL SERVICES**




Crews will install new storm and sanitary sewers in several locations. Many of the aging sewers to be removed are located under the TTC corridor and the new infrastructure will be installed mainly under the new roadway. Crews will block off 100 metre sections and will complete approximately 30-40 metres per week.

**BELL**




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Queens Quay West Revitalization Project





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**TTC**

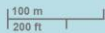
Crews will demolish, realign and rebuild the TTC corridor with new concrete streetcar track beds, new rails and track. Overhead wiring and poles will be removed first followed by demolition block by block. Construction of the new corridor will occur next followed by the installation of pre-welded track.

**MUNICIPAL SERVICES**

Crews will install new storm and sanitary sewers in several locations. Many of the aging sewers to be removed are located under the TTC corridor and the new infrastructure will be installed mainly under the new roadway. Crews will block off 100 metre sections and will complete approximately 30-40 metres per week.

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Queens Quay West Revitalization Project



# Stage 2: New Roadway and Northside Sidewalks

## Summer 2013 – Early 2014

New sidewalks and brand new traffic lanes on the north side of the TTC tracks with expanded turning lanes and improved signal timing.

**LEGEND**

- Road work
- TTC corridor work
- Municipal Services  
(sanitary, storm sewer, water)
- Sidewalk work



**MUNICIPAL SERVICES**

Crews will install a small stretch of new watermain just west of Bay Street.

**ROAD WORK**

Crews will begin by removing the existing road, curbs and catchbasins followed by the installation of caissons, storm laterals and fire hydrants. Next, concrete foundations for the granite curbs will be poured into place, followed by the curbs. Road reconstruction will involve the excavation of the remaining subsurface. It will then be rebuilt with a layer of gravel, poured concrete foundation and finished with two layers of asphalt paving.

100 m  
200 ft

Queens Quay West Revitalization Project

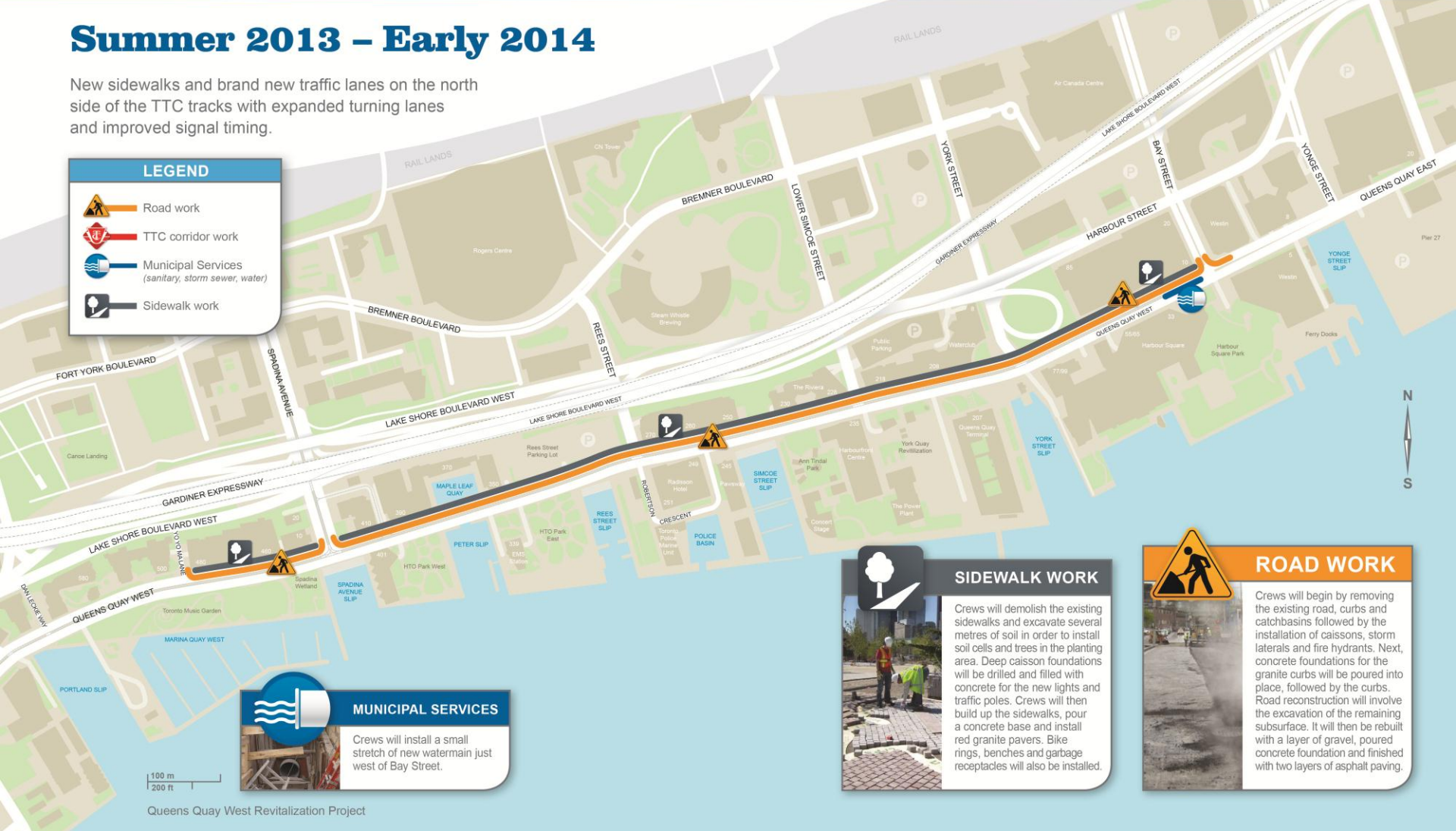
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New sidewalks and brand new traffic lanes on the north side of the TTC tracks with expanded turning lanes and improved signal timing.

**LEGEND**

- Road work
- TTC corridor work
- Municipal Services (sanitary, storm sewer, water)
- Sidewalk work



**MUNICIPAL SERVICES**

Crews will install a small stretch of new watermain just west of Bay Street.

**SIDEWALK WORK**

Crews will demolish the existing sidewalks and excavate several metres of soil in order to install soil cells and trees in the planting area. Deep caisson foundations will be drilled and filled with concrete for the new lights and traffic poles. Crews will then build up the sidewalks, pour a concrete base and install red granite pavers. Bike rings, benches and garbage receptacles will also be installed.

**ROAD WORK**

Crews will begin by removing the existing road, curbs and catchbasins followed by the installation of caissons, storm laterals and fire hydrants. Next, concrete foundations for the granite curbs will be poured into place, followed by the curbs. Road reconstruction will involve the excavation of the remaining subsurface. It will then be rebuilt with a layer of gravel, poured concrete foundation and finished with two layers of asphalt paving.

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**LEGEND**

- Road work
- TTC corridor work
- Municipal Services (sanitary, storm sewer, water)
- Sidewalk work



**MUNICIPAL SERVICES**

Crews will install a small stretch of new watermain just west of Bay Street.

**TTC**

Crews will demolish and rebuild the half grand union and turning Loop at Lower Spadina Avenue. Crews will begin by demolishing the right-of-way and tracks from east to west. Construction of the new right of way will occur next followed by the installation of the specialized curved track work.

**SIDEWALK WORK**

Crews will demolish the existing sidewalks and excavate several metres of soil in order to install soil cells and trees in the planting area. Deep caisson foundations will be drilled and filled with concrete for the new lights and traffic poles. Crews will then build up the sidewalks, pour a concrete base and install red granite pavers. Bike rings, benches and garbage receptacles will also be installed.

**ROAD WORK**

Crews will begin by removing the existing road, curbs and catchbasins followed by the installation of caissons, storm laterals and fire hydrants. Next, concrete foundations for the granite curbs will be poured into place, followed by the curbs. Road reconstruction will involve the excavation of the remaining subsurface. It will then be rebuilt with a layer of gravel, poured concrete foundation and finished with two layers of asphalt paving.

100 m / 200 ft

Queens Quay West Revitalization Project



# Stage 3: Pedestrian Promenade and Martin Goodman Trail

## Early 2014 – Late 2014

New pedestrian promenade and continuous Martin Goodman Trail connecting east and west framed by a double row of trees.

**LEGEND**

-  Pedestrian Promenade Work
-  Martin Goodman Trail Work



 **MARTIN GOODMAN TRAIL WORK**

The Martin Goodman Trail construction will be over top of the soil cells installed earlier. Asphalt paving will be installed and painted to separate the eastbound and westbound lane, completed with decorative slow boxes at every intersection.



100 m  
200 ft



Queens Quay West Revitalization Project

# Stage 3: Pedestrian Promenade and Martin Goodman Trail

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New pedestrian promenade and continuous Martin Goodman Trail connecting east and west framed by a double row of trees.

**LEGEND**

- Pedestrian Promenade Work
- Martin Goodman Trail Work



**MARTIN GOODMAN TRAIL WORK**

The Martin Goodman Trail construction will be over top of the soil cells installed earlier. Asphalt paving will be installed and painted to separate the eastbound and westbound lane, completed with decorative slow boxes at every intersection.

**PEDESTRIAN PROMENADE WORK**

Crews will demolish the existing sidewalks and excavate a couple metres of soil to install soil cells for the planting areas. Deep caisson foundations will be drilled and filled with concrete for the new light poles. Crews will then build up the sidewalks, pour a concrete base and install granite pavers in a mosaic pattern. A rough paving strip between the MGT and the TTC corridor will be also be installed at this time. Bike rings, benches, garbage receptacles will also be installed.

Queens Quay West Revitalization Project

# Accessing Queens Quay During Construction

- Queens Quay will be safe and functional
- Access will be maintained to all businesses and residences at all times
- The waterfront is “Open For Business” during construction
- Cars, transit and pedestrian traffic will always be able to access Queens Quay



What to Expect

# Types of Construction Impacts

- Temporary fences around all construction areas to maintain pedestrian and vehicular safety
- Construction noise as permitted by the City of Toronto between 7am and 7pm while work is occurring
- Possible dust and debris during work hours
- Possible brief interruptions to telephone, power or water when connections are being switched over (notice to be provided)
- Short-term occasional night work when TTC installs track



What to Expect



# Changes in How the Street Operates During Construction

- PEDESTRIANS: Temporary gangplanks to ensure continuous pedestrian access to all buildings and stores during sidewalk reconstruction
- MOTORISTS: Temporary one-way traffic operations alternating between the north and south side of the TTC tracks to avoid construction areas



What to Expect

## Changes in How the Street Operates During Construction cont...

- **TRANSIT:** Temporary TTC bus service running westbound on Queens Quay and eastbound on Lake Shore while the streetcar line is rebuilt in the first stage of work.
- **CYCLISTS:** Building the Martin Goodman Trail is a key goal for this project as there are currently no bicycle lanes along Queens Quay in the Central Waterfront. Cyclists should use caution when traveling along Queens Quay during construction or consider using another alternative route.



# Transportation Routing During Stage 1 Construction

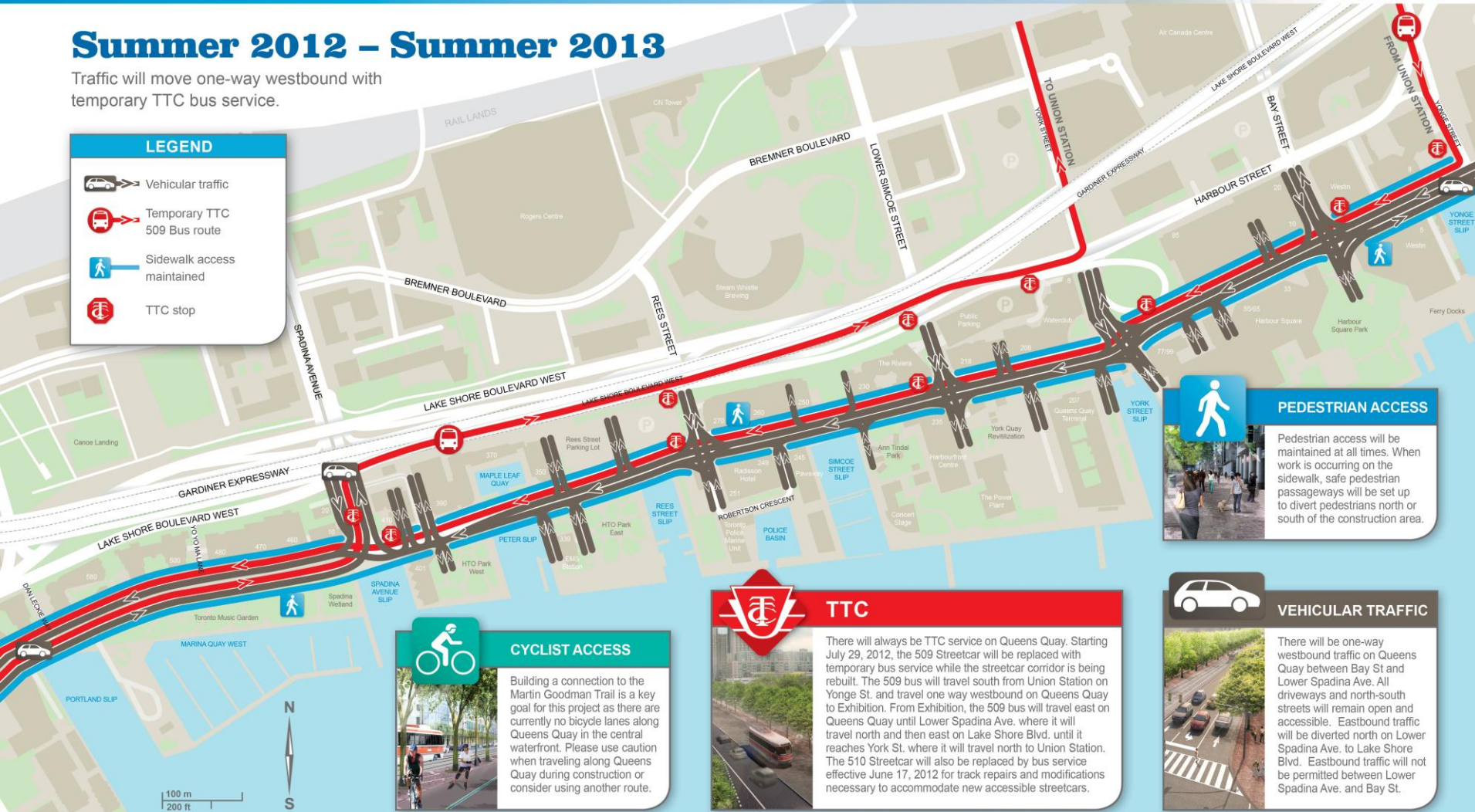


## Summer 2012 – Summer 2013

Traffic will move one-way westbound with temporary TTC bus service.

**LEGEND**

- Vehicular traffic
- Temporary TTC 509 Bus route
- Sidewalk access maintained
- TTC stop



**PEDESTRIAN ACCESS**



Pedestrian access will be maintained at all times. When work is occurring on the sidewalk, safe pedestrian passageways will be set up to divert pedestrians north or south of the construction area.




**CYCLIST ACCESS**



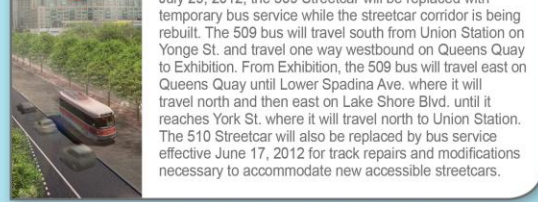
Building a connection to the Martin Goodman Trail is a key goal for this project as there are currently no bicycle lanes along Queens Quay in the central waterfront. Please use caution when traveling along Queens Quay during construction or consider using another route.




**TTC**



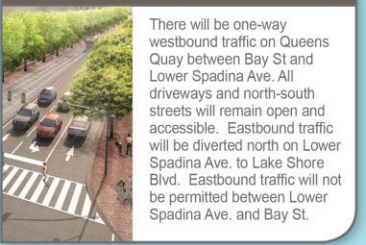
There will always be TTC service on Queens Quay. Starting July 29, 2012, the 509 Streetcar will be replaced with temporary bus service while the streetcar corridor is being rebuilt. The 509 bus will travel south from Union Station on Yonge St. and travel one way westbound on Queens Quay to Exhibition. From Exhibition, the 509 bus will travel east on Queens Quay until Lower Spadina Ave. where it will travel north and then east on Lake Shore Blvd. until it reaches York St. where it will travel north to Union Station. The 510 Streetcar will also be replaced by bus service effective June 17, 2012 for track repairs and modifications necessary to accommodate new accessible streetcars.



**VEHICULAR TRAFFIC**



There will be one-way westbound traffic on Queens Quay between Bay St and Lower Spadina Ave. All driveways and north-south streets will remain open and accessible. Eastbound traffic will be diverted north on Lower Spadina Ave. to Lake Shore Blvd. Eastbound traffic will not be permitted between Lower Spadina Ave. and Bay St.



Queens Quay West Revitalization Project.

Subject to City Review.

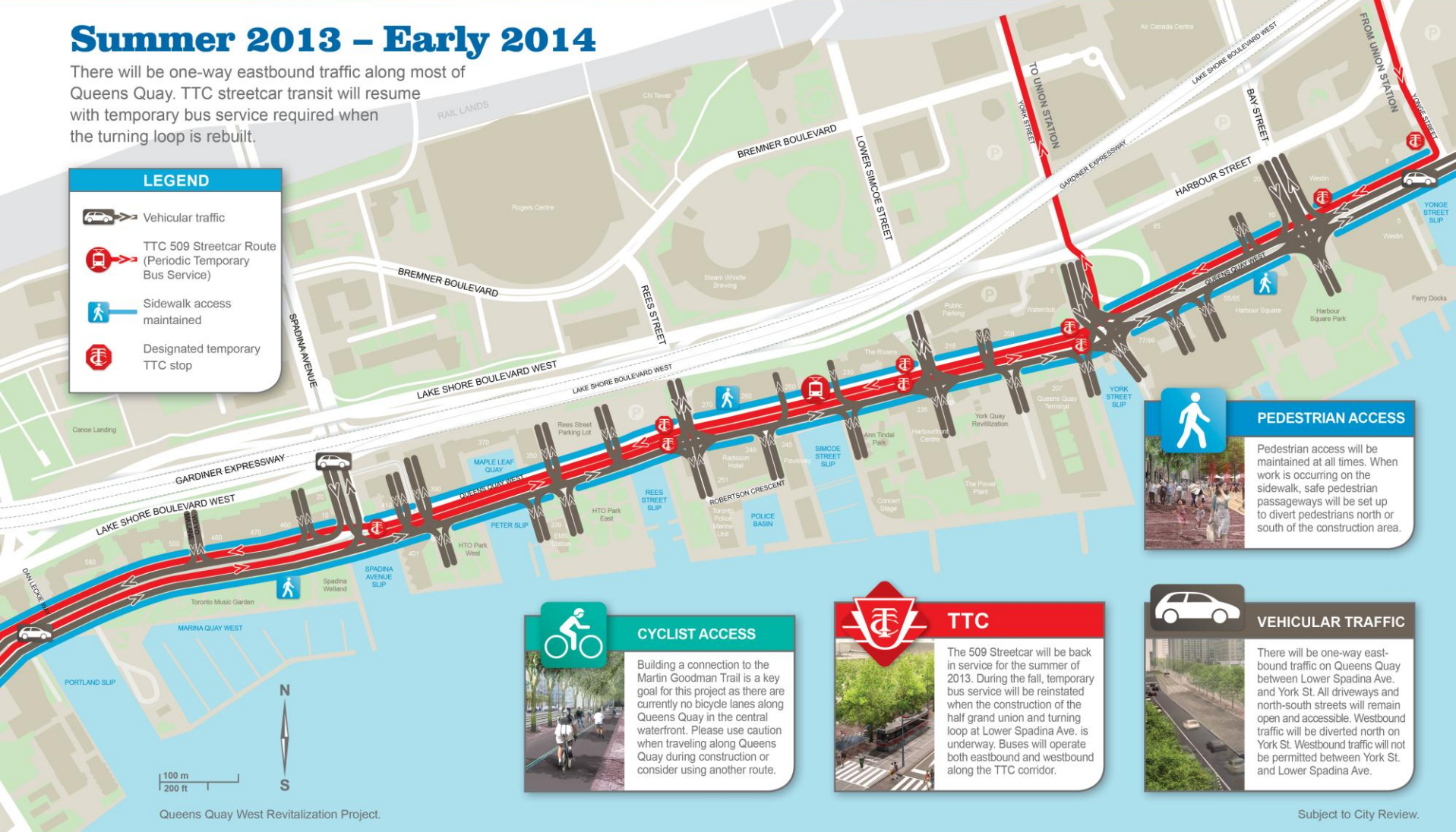
# Transportation Routing During Stage 2 Construction

## Summer 2013 – Early 2014

There will be one-way eastbound traffic along most of Queens Quay. TTC streetcar transit will resume with temporary bus service required when the turning loop is rebuilt.

**LEGEND**

- Vehicular traffic
- TTC 509 Streetcar Route (Periodic Temporary Bus Service)
- Sidewalk access maintained
- Designated temporary TTC stop



**PEDESTRIAN ACCESS**

Pedestrian access will be maintained at all times. When work is occurring on the sidewalk, safe pedestrian passageways will be set up to divert pedestrians north or south of the construction area.

**CYCLIST ACCESS**

Building a connection to the Martin Goodman Trail is a key goal for this project as there are currently no bicycle lanes along Queens Quay in the central waterfront. Please use caution when traveling along Queens Quay during construction or consider using another route.

**TTC**

The 509 Streetcar will be back in service for the summer of 2013. During the fall, temporary bus service will be reinstated when the construction of the half grand union and turning loop at Lower Spadina Ave. is underway. Buses will operate both eastbound and westbound along the TTC corridor.

**VEHICULAR TRAFFIC**

There will be one-way east-bound traffic on Queens Quay between Lower Spadina Ave. and York St. All driveways and north-south streets will remain open and accessible. Westbound traffic will be diverted north on York St. Westbound traffic will not be permitted between York St. and Lower Spadina Ave.

100 m / 200 ft



Queens Quay West Revitalization Project.

Subject to City Review.

# Transportation Routing During Stage 3 Construction



## Early 2014 – Late 2014

Traffic is moving east and westbound along the new roadway with the 509 Streetcar in service along the new Queens Quay transit corridor. Access to driveways and streets on the southside will be maintained through the construction areas.

**LEGEND**

- Vehicular traffic
- TTC 509 Streetcar route
- Sidewalks
- Designated TTC stop



**TTC**

The 509 Streetcar is in service along the new Queens Quay transit corridor.

**VEHICULAR TRAFFIC**

Traffic is moving east and westbound along the new roadway. Access will be maintained to all driveways and roads on the southside during construction.

**PEDESTRIAN ACCESS**

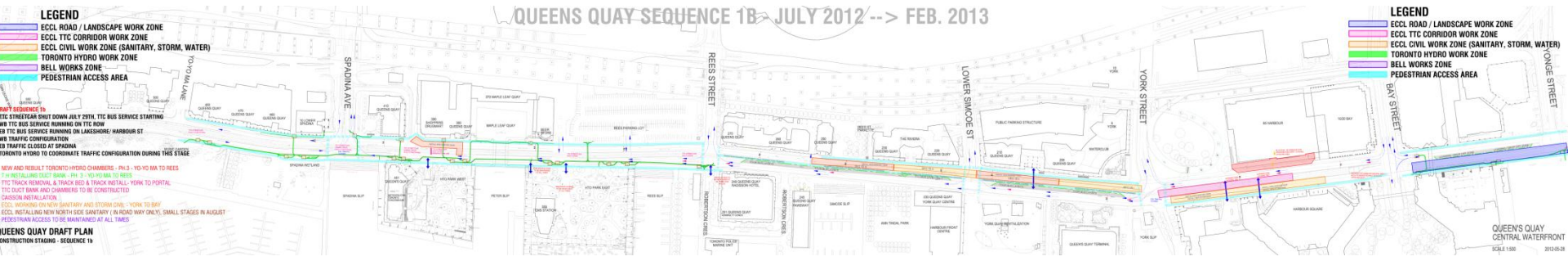
Sidewalks on the northside of Queens Quay are open in their final configuration. During construction on the southside, pedestrian access will be maintained at all times. When work is occurring on the sidewalk, safe pedestrian passageways will be set up to divert pedestrians north or south of the construction area.

Queens Quay West Revitalization Project.

Subject to City Review.

# It's happening now

Learn more



## QUEENS QUAY OPEN HOUSE

Drop-in and review proposed construction plans and timelines.

Look for your home or business and talk to us about what to expect.

When: Saturday, June 9, 2012

Where: Waterpark Place Lobby 20 Bay St.

Time: 10am - 2pm



# Stay Connected/Ask Questions

- Waterfront Toronto's website [www.waterfronttoronto.ca](http://www.waterfronttoronto.ca) will be the main hub for information:
  - Weekly construction notices – subscribe online
  - Construction schedule
  - Detailed construction information
  - Live webcams
  - Contact information

The screenshot shows the Waterfront Toronto website. At the top, there is a navigation bar with links for CALENDAR, DOCUMENTS, SITE MAP, CONTACT, and SUBSCRIBE. A search bar is also present. Below the navigation bar, there are several menu items: explore projects, get involved, opportunities, waterfront vision, learn about us, and newsroom. Under 'explore projects', there are sub-menus for 'BY AREA' (central waterfront, east bayfront, west don lands, lower don lands, port lands, the wider waterfront) and 'BY STATUS' and 'BY TYPE'. The main content area features a large blue box with the text 'constructing queens quay' and a photograph of the construction site. To the right of the photograph is a 'construction schedule' section with three stages: Stage 1 (June 2012 to Spring 2013), Stage 2 (Spring 2013 to January 2014), and Stage 3 (January 2014 to Fall 2014). A 'construction notice' box is also visible, dated 'Week of June 4 to June 8, 2012'.

WATERFRONTToronto

CALENDAR | DOCUMENTS | SITE MAP | CONTACT | SUBSCRIBE | TEXT SIZE: A A A

view map Search GO

explore projects get involved opportunities waterfront vision learn about us newsroom

BY AREA central waterfront east bayfront west don lands lower don lands port lands the wider waterfront

BY STATUS BY TYPE

Homepage > Explore Projects > Central Waterfront > Queens Quay (West) > Constructing Queens Quay

**constructing queens quay**

Construction is underway that will completely rebuild and revitalize Queens Quay both above and below ground.

The revitalization of [Queens Quay](#) is about much more than rebuilding the roadway. Waterfront Toronto is leading a coordinated construction effort that integrates improvements to the public realm with much needed infrastructure and utility upgrades. The goal is to make sure that necessary TTC, Toronto Hydro, Toronto Water and telecommunications upgrades occur now to avoid the need for more construction when the job is done.

**construction schedule**

Queens Quay construction will unfold in three distinct stages with major construction complete by 2014:

**Stage 1 (June 2012 to Spring 2013):** Utility upgrades, new storm and sanitary infrastructure and TTC track work.

**Stage 2 (Spring 2013 to January 2014):** Northside roadway and sidewalk reconstruction.

**Stage 3 (January 2014 to Fall 2014):** Southside Martin Goodman Trail construction and pedestrian promenade.

**construction notice**

*Week of June 4 to June 8, 2012.*

Construction is beginning with advance utility works by Bell. Bell is installing new duct banks primarily along the north sidewalk between York Street and Lower Simcoe Street.

MORE

Construction Information



## Stay Connected/Ask Questions

- Construction Liaison Committee
  - Forum for residents and businesses to discuss construction issues.
  - Group meets regularly to discuss construction schedule, issues and impacts
  - Residents: every condo is represented on the CLC
  - Businesses: The Waterfront BIA and other businesses are represented
  - Contact your rep if you have an issue to raise ([www.waterfronttoronto.ca](http://www.waterfronttoronto.ca))



## Stay Connected/Ask Questions

- Questions/Issues:
  - Email: [info@waterfrontoronto.ca](mailto:info@waterfrontoronto.ca)
  - Call: Waterfront Toronto Queens Quay info line is 416.214.9990
  - For urgent construction issues call:
    - Eastern construction: Robert Pasut, Community Liaison Officer  
(416) 505-3073

Questions