

Technical Services

Transportation Services

Construction Issues Dundas Street West Ward 18



Public Works and Infrastructure Committee
June 23, 2011

Dundas Street West

Background

- Road Right-of-way
- Coordination Process

Recent Construction Issue

- Potential for excavation of freshly placed concrete sidewalk

Road Right-of-Way

Function of ROW

- Safe and efficient transportation access
- 'Store front' to local businesses and services
- Utility corridor

Work in the ROW

- 5,600 km of roadway, 8,000 km of sidewalk
- 70,000 occupancy (60,000 cut) requests /yr
- Emergency Work & Planned Maintenance Construction

Coordination Process

Toronto Public Utility Coordinating Committee (TPUCC)

- City and Utilities
- Extensive involvement, well established in coordination process
- Monthly issues discussion,
- Spring/Fall program meetings by district
- Specific Project discussions/correspondence

Coordination Process

Overview

- Systematic and extensive
- City identify and coordinate internally
- Preliminary program disclosure to TPUCC
- TPUCC contribute scope of works and additional project identification
- Sequential or concurrent works

Coordination Context

Constructor Issue

- Occupational Health & Safety Act
- Managing risk of significant legal obligations and liabilities
- Separation in time and space

Coordination Context

Construction Moratorium

- Published Annually
- Applied following major road and sidewalk works
- Prohibits planned construction by City and Utilities
 - 3 yrs - resurfaced roadway
 - 5 yrs - reconstructed roadway/ sidewalks

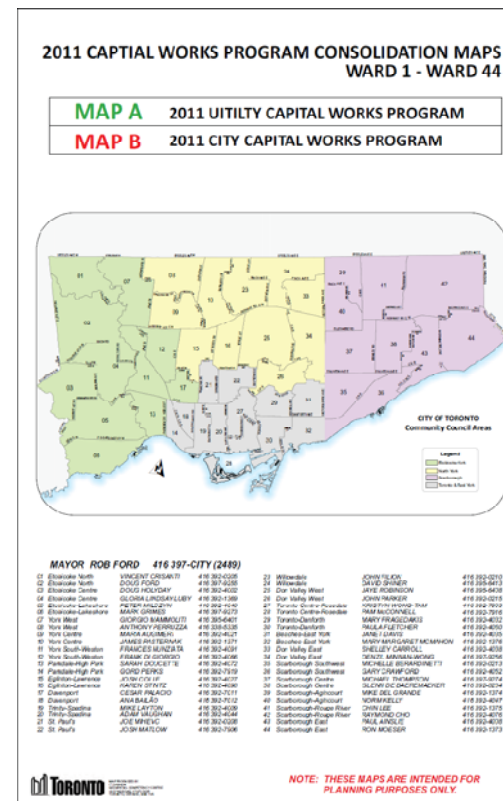
Coordination Context

Construction Moratorium

- Benefits
 - maximize the life of renewed City infrastructure
 - minimize costs
 - minimize public disruption caused by construction
- Routinely and regularly applied to road cut applications

Coordination Results

- Various lists and maps since 2004
- City & Utility Capital works
- Road Moratoriums



Continuous Process Improvement

DCM Cluster B, Major Capital Infrastructure Coordination Office

- Coordination process improvements
- 5 year coordinated capital works program
- Detailed tracking and mapping
- Engaged in planning/coordination of large scale, complex projects (Provincial Campus, Pan Am etc)

Dundas St. W

Reconstruction Project

- 2010/2011 - Bathurst Street To Howard Park
- Includes road, sidewalk and boulevard reconstruction

City Coordination Activities

- Extensive internal and external coordination
- All utilities engaged through TPUCC
- Coordinated works in prior years
 - Bell and Rogers Cable works
 - Enbridge replaced a portion of their infrastructure in 2007
 - Extensive City construction (TTC track, water and sewer)

Dundas St. W

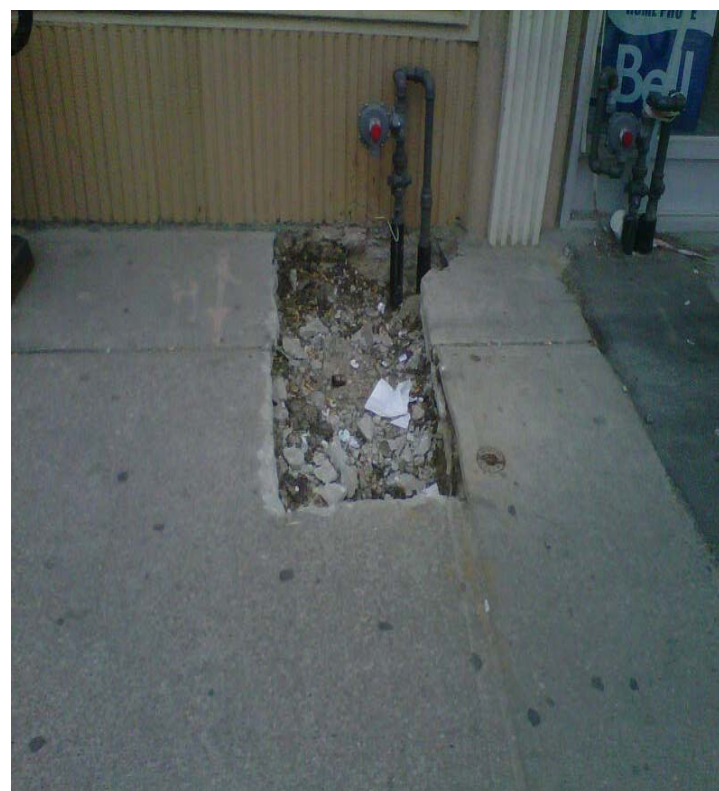
Work Type	Contract / Location	Start of Work	Substantial Completion
TTC Track Reconstruction	07TE-02RD Victoria St. to Bathurst St.	April 2, 2007	July 20, 2007
	07TE-03RD Bathurst St. to Ossington Av.	March 26, 2007	May 22, 2007
	07TE-04RD Ossington Av. to Lansdowne Av.	June 6, 2007	September 5, 2007
	07TE-05RD Dundas St. W. @ McCaul St. Intersection	September 17, 2007	September 27, 2007
Watermain Replacement	Spadina Av. To University Av. - <i>Deferred</i>	<i>Spring 2013</i>	<i>Fall 2013</i>
	10EY-15WS University Ave. to Bathurst St.	July 5, 2010	October 22, 2010
	09EY-10WS Bathurst St. to Dovercourt Rd.	September 8, 2009	April 7, 2010
	09EY-26WS Dovercourt Hd to St. Helens Dr.	March 5, 2010	July 23, 2010
	10EY-14WS Sorauren Rd. to Howard Park Ave.	May 31, 2010	July 30, 2010
Road and Sidewalk Construction	10TSP-03RD Bathurst St. to Dovercourt Rd.	August 4, 2010	<i>Mid July 2011</i>
	11TSP-01RD Dovercourt Rd. to Howard Park (excl. Bridge)	<i>May 16, 2011</i>	<i>Mid October 2011</i>
	University Av. to Bathurst St.	<i>Spring 2013</i>	<i>Fall 2013</i>
Bridge Construction	Sterling Rd. to Howard Park	June 29, 2007	December 20, 2007
	Collage St. to Sterling Rd.	April 1, 1999	November 1, 1999
Enbridge Gas	Spadina Av. to Bathurst St.	January 5, 2007	August 27, 2007
	Bathurst St. to Ossington Av.	December 13, 2006**	June 13, 2007**
Rogers Cable	Howard Park to Lynd Av.	July 3, 2007	July 19, 2007
	602 Dundas St. West	May 8, 2008	May 22, 2008
	2154 Dundas St. West	November 9, 2007	November 12, 2007
Bell Canada	1525 Dundas Street West Repairs	August 10, 2007	August 27, 2007



Construction Issue

Enbridge's Request

- Immediately prior to May 2011 construction start up
- Routine Leak Detection Program identified some corrosion that may become an issue in future years
- Request to replace 13 risers within first construction area, post construction



Construction Issue

City's Response

- City rejected Enbridge's request
- Deemed as non-emergency activity
 - not appropriate due to extensive public and community commitments and contract obligations

The City offered accommodations :

- City would 'box out' areas (not immediately place the concrete) where Enbridge wanted to do their work
- Enbridge was offered access to areas outside of our contractors active work zone

Construction Issue

Enbridge's Response

- Began riser replacement outside of active construction area
- Alternate measures to prolong the service life of many risers
- Scaled back to 3 risers versus the original 13
 - in areas where the City has not yet reconstructed
 - will result in no cutting of recently placed concrete

Path Forward

- City intends to raise this experience with all TPUCC members at its meetings

Recommendations

1. Continued PWI support for staff enforcement of road cut moratoriums
2. Annual reporting of construction coordination practices and issues