



St. Clair Avenue West Transit Improvements Project: Phase 1

Open House September, 2005





Presentation Outline

- Project Summary
- Construction Staging
- Traffic Management
- Transit Service
- Communication
- Community Involvement
- Mitigation
- Urban Design



Project Summary

- Joint City/TTC Initiative
- Approvals
- Selected Design
- Community Involvement
- Construction Details
 - Phase 1: Yonge to Tweedsmuir 2005
 - Phase 2: Bathurst to Gunns Road 2006
- Timelines (Phase 1)
 - Construction begins: September 19, 2005
 - Streetcar service resumes: February 2006
 - Contract completed: Spring 2006



Construction Staging

- Pre-Construction: Utility Work, Rail Welding and Storage
- Stage 1: Intersection Improvements, Curb and Sidewalk Reconstruction
- Stage 2: Track Right-of-Way
- Stage 3: Road Reconstruction
- Stage 4: Traffic Signals, Street Lighting and Traction Power
- Stage 5: Contract Completion



Pre-Construction

Spring through fall 2005, in conjunction with road reconstruction:

- Coordinated utility work completed by Toronto Hydro, Enbridge and Bell

- TTC rail welding in advance of construction
 - Rail storage from July to end of November 2005:
 - **Site 1:** Storage in centre lanes of St. Clair Avenue East, west of Mt. Pleasant Road
 - **Site 2:** Storage in eastbound curb lane at Tweedsmuir Avenue, Sir Winston Churchill Park



Pre-Construction

- Standard lengths of rail (39 ft) are welded into strings 100 m long (320 ft)





Stage 1: Intersection Improvement, Curb and Sidewalk Reconstruction

September to end of October 2005

- Reconstruct curbs and sidewalks on the north and south sides of St. Clair
- Intersection improvements including the insertion of left hand/u-turn lanes
- Urban design enhancements for sidewalks and crosswalks



Stage 2: Track Right-of-Way

October to December 2005

- Excavate existing concrete, rails and ties
- Install center pole traction power system, streetcar platforms
- Urban design enhancements on platforms



Stage 3: Road Reconstruction

Mid-November to December 2005

- Concrete road base and base asphalt application
- Temporary lane markings



Stage 4: Traffic Signals, Street Lighting and Traction Power

Mid-December 2005 to mid-April 2006

- Install traffic signal and street lighting poles, lamps and cables
- Install TTC overhead and underground cables
- Streetcar Service resumes in February 2006



Stage 5: Contract Completion

Phase 1 complete in spring 2006

- Final asphalt paving
- Tree planting
- Pavement markings
- Any other outstanding work



Traffic Management

- Safe service ensured for Toronto Fire, Police and EMS
- Parking will be displaced in active work zones
- One lane of traffic will be maintained eastbound and westbound in work zones, intermittent closures
- North/South traffic and turning restricted or re-routed in active work zones



Traffic Management

- No parking/stopping on St. Clair Avenue where there is only one lane of travel
- During construction traffic volumes will be monitored to identify possible traffic signal timing changes to improve north and southbound traffic flow
- Traffic information will be posted on changeable message signs on St. Clair Avenue to warn motorists and cyclists of restrictions

Stage 2: Track Right-of-Way

- Concrete breaker is followed closely by backhoe during excavation



Stage 2: Track Right-of-Way

- Sub-grade is compacted to prepare for base concrete





Stage 2: Track Right-of-Way

- Concrete base is poured to prepare for new track installation





Stage 2: Track Right-of-Way

- Long rail strings are positioned on steel ties
- Followed by welding and grinding the long rail strings together





Stage 2: Track Right-of-Way

- Installation of rubber enclosures and rail fasteners



Stage 2: Track Right-of-Way

- Adjusting and setting the line and elevation of the rail





Stage 2: Track Right-of-Way

- After the track is installed, it is ready for the concrete infill pour



Stage 2: Track Right-of-Way

- After the concrete infill is poured, the track area is ready for the final top concrete pour





Transit Service: Phase 1

- Buses replace streetcars on 512 St. Clair route between St. Clair Station and St. Clair West Station
- Eastbound buses: run east on St. Clair Avenue from St. Clair West Station, south on Avoca Avenue, and west on Pleasant Blvd. to St. Clair Station
- Westbound buses: run from St. Clair Station east on Pleasant Blvd, north on Avoca Avenue, and west on St. Clair Avenue to St. Clair West Station



Communication

- City of Toronto website: www.toronto.ca/involved
- St. Clair Avenue West Transit Improvements Project Information Line: **416-338-2003**
- City Construction Inspector will be on-site daily



Communication

TTC Service and Schedule Information

- TTC website **www.ttc.ca**
- TTC Information Line **416-393-INFO (4636)**
- Project related matters: **416-393-2197**
- TTY: **416-481-2523**



Communication

- Construction notices
- Transit notices
- Project particulars on project website
- Local community newspapers
- Contact with BIA and Local Ratepayer Groups



Community Involvement

Three community groups are working with City and TTC during the design process and construction:

- Community Design Consultation Group (CDCG)
- Public Art Consultation Group (PACG)
- Transit Community Liaison Committee (TCLC)



Transit Community Liaison Committee

Minister of Environment required the City and TTC to establish the St. Clair Avenue West Transit Community Liaison Committee (TCLC)

Purpose:

- Discuss project's detailed design, implementation and construction
- Comment on design, construction and operation
- Facilitate communication between the City, the TTC and the community



Construction Liaison Committee

Construction Liaison Committee (CLC):

- Members include businesses and residents in affected construction zone, City and TTC staff, and construction contractors

Purpose:

- Discuss construction related concerns with project staff and work towards solutions
- Meet every two weeks during construction



Mitigation: Construction

- Excavation, track installation and concrete placement is coordinated to maintain a steady progress of work
- Some signalized intersections will be completed over extended weekends or restricted time lines



Mitigation: Construction

- Work Hours
 - Excavation: 7 a.m. to 7 p.m.
 - Track work is carried out over 3 shifts: day, afternoon and night
- City Services will be maintained (garbage, recycling)
- Sidewalk access to businesses will be maintained
- Noise
- Dust



Mitigation: Business Impact

- Shop St. Clair Program
- Commercial Facade Program
- Waive fees for Community Festivals
- TTC Timed Transfers (along St. Clair Avenue West)



Mitigation: Business Impact

- Additional Off-Street Parking
- Additional On-Street Parking
- Minimize sidewalk cuts (add sidewalk width if possible)



Mitigation: Monitoring

- Noise (during construction)
- Vibration (during construction)
- Traffic Impacts (during and after construction)