APPENDIX A
Public Consultation Materials

Public Information Centre #1

Public Information Centre #1

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CLASS ENVIRONMENTAL ASSESSMENT – MASTER PLAN NOTICE OF STUDY COMMENCEMENT AND PUBLIC INFORMATION CENTRE #1

West Don Lands Precinct Planning Area

The Toronto Waterfront Revitalization Corporation in cooperation with the City of Toronto is carrying out a Class Environmental Assessment (EA) Master Plan Study to address water, sanitary servicing, stormwater management, and transportation needs (including provision for transit), for a section of the West Don Lands Precinct Planning Area outside of the area subject to the Don River Naturalization EA. West Don Lands is an 80 acre area located generally east of Parliament Street, south of King Street, west of the Don River and north of the Gardiner Expressway. A separate precinct planning exercise will design new districts of public and neighbourhood spaces along the waterfront. This study is being conducted in accordance with the requirements of the *Municipal Class Environmental Assessment, June 2000*, which is an approved process under the Environmental Assessment Act.

Public consultation is an important element of this study and the broader West Don Lands Precinct Planning process. Consultation on the West Don Lands Class EA Master Plan will take place during the Open House component of the next West Don Lands Public Forum:

West Don Lands Public Forum

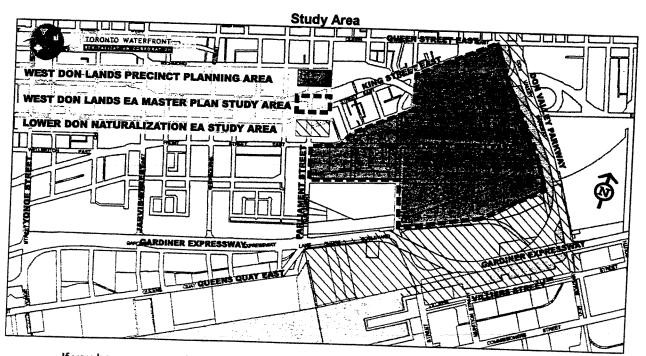
When: Where: EA Master Plan Consultation: Precinct Plan Consultation:

Thursday February 12, 2004 Novotel Hotel, 45 The Esplanade, Champagne Ballroom 5:00 – 7:00 p.m. 7:00 – 9:30 p.m.

The consultation plan provides many opportunities for the public to participate in the Class EA Master Plan Study process. The purpose of the study is:

"to address the sanitary, water, stormwater, and transportation infrastructure servicing requirements to support the proposed land uses including new and improved parks and public spaces that are proposed as part of the revitalization of the West Don Lands precinct of the Toronto waterfront."

The February 12, 2004 Open House will focus on seeking input from the public on the opportunity/problem, and alternative solutions. The map shows the approximate limits of the study area.



If you have any questions or wish to be added to the study mailing list, please contact:

Jonathan Gouveia Lura Consulting 107 Church Street, Suite 400 Toronto, Ontario, M5C 2G5 Phone: (416) 644-1802 Fax: (416) 536-3453 Email: jgouveia@lura.ca



207 Queen's Quay West Suite 822 Toronto, Ontario M5J 1A7 Tel: (416) 214-1344 Fax: (416) 214-4591

February 2, 2004 95.03002.04.P02

«Title» «FirstName» «LastName» «JobTitle» «Company» «Address1» «Address2» «City», «State» «PostalCode»

Dear «Title» «LastName»,

Notice of Study Commencement and Public Information Centre #1 (Open House) Municipal Class Environmental Assessment Master Plan Subject: West Don Lands Precinct Planning Area

The Toronto Waterfront Revitalization Corporation (TWRC) in cooperation with the City of Toronto is carrying out a Class Environmental Assessment (EA) Master Plan Study to address water, sanitary servicing, stormwater management, and transportation needs (including provision for transit), for a section of the West Don Lands Precinct Planning Area. West Don Lands includes the area located generally east of Parliament Street, south of King Street, west of the Don River and north of the Gardiner Expressway.

The first Open House is planned for February 12, 2004 to provide an opportunity for comment on the problem/opportunity statement, the criteria and the alternative solutions. Please refer to the attached Notice for information regarding the location and time of this Open House.

More information on both the Precinct Planning and the Class EA Master Plan is available on the TWRC website: www.towaterfront.ca.

If you have any comments or questions please contact me at (905) 882-4211 ext. 407 or at primel@mmm.ca

Yours truly, TORONTO WATERFRONT JOINT VENTURE

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Lisa Prime, MES, MCIP RPP, Senior Environmental Planner Associate

\\Office\VGEN\Data\Water Front\Environmental Assessment\Wea Den In Vis Forthater Plan\PIC#1 - Commencement\Letter.doc







West Don Lands Precinct Planning Environmental Assessment Study Guide

Municipal Class Environmental Assessment Master Plan <u>West Don Lands Precinct Planning Area</u> Toronto Waterfront Revitalization Corporation and The City Of Toronto

February 12, 2004

What's Inside...

- EA Project Description
- Study Area Map
- Overview of the 5 Phase Process
- How to Get More Information

The information on comment sheets is collected under the authority of the Environmental Assessment Act and will become public information. All comments will be included in the documentation of the Municipal Class Environmental Assessment Master Plan Report to be prepared and made public at the conclusion of the study. Personal information including addresses and phone numbers will not be disclosed.

The Proposed Project – The West Don Lands Municipal Class EA Master Plan

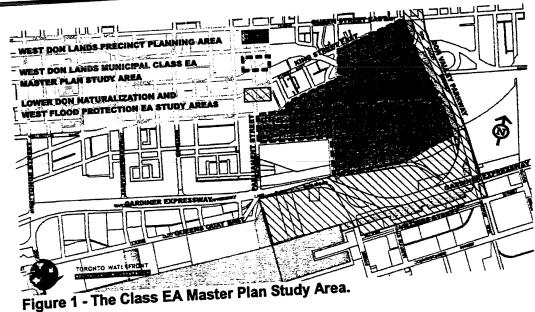
The Toronto Waterfront Revitalization Corporation, in cooperation with the City of Toronto, is carrying out a <u>Municipal Class Environmental Assessment (EA) Master Plan Study for a section of the West Don</u> Lands Precinct Planning Area.

Municipal Class EA Master Plans integrate infrastructure requirements for existing and future land use with environmental assessment planning principles. The Municipal Class EA process enables the planning of municipal infrastructure to support existing and future land use, to be undertaken in accordance with an approved procedure under the Ontario Environmental Assessment Act, designed to protect the environment.

The West Don Lands Precinct Planning Process will design new districts of public and neighbourhood spaces for the area. *The West Don Lands Municipal Class EA Master Plan* will address water, sanitary spaces for the area. *The West Don Lands Municipal Class EA Master Plan* will address water, sanitary servicing, stormwater management, the provision of a utility corridor, and transportation needs (including provision for transit), for a section of the West Don Lands Precinct Planning Area outside of the area subject to the Lower Don Naturalization and West Flood Protection EA Study. Coordination of *The West Don Lands Municipal Class EA Master Plan* with the precinct planning process ensures that *The West Don Lands Municipal Class EA Master Plan* with the precinct planning process ensures that and use planning and EA process decisions are integrated for a best overall design of a fully integrated community.

The Study Area

The West Don Lands Precinct includes the area generally located east of Parliament Street, south of King Street, west of the Don River and north of the Gardiner Expressway.



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The information on comments sheet is collected under the authority of the Environmental Assessment Act and will become public information. All comments will be included in the documentation of the Municipal Class Environmental Assessment Master Plan Report to be prepared and made public at the conclusion of the study. Personal information including addresses and phone numbers will not be disclosed.

Guide to the Municipal Class EA Master Plan Process

Overview of the Five Phases

The five phases of the Municipal Class EA process are summarized as follows:

PHASE 1 PHASE 2 PHASE 3	
THASE 2 PHASE 3	PHASE 4 PHASE 5
ALTERNATIVE ALTERNATIVE	
OPPORTUNITY SOLUTIONS DESIGN CONCEPTS FOR PREFERED	ENVIRONMENTAL
SOLUTION	STUDY REPORT
Figure 2 The Martin Control of Co	
Figure 2 – The Municipal Class EA Process	

Types of Projects

The West Don Lands Municipal Class EA Master Plan process will cover the requirements of both Schedule B and Schedule C projects.

Schedule B projects generally include improvements and minor expansions to existing facilities. These projects have some potential for adverse environmental impacts, and consultation with those who may be affected is required. Examples of Schedule B projects include: the installation of traffic control devices, smaller road-related works or the addition of new stormwater retention ponds. These kinds of projects require completion of Phases 1 and 2 of the Municipal Class EA process.

The West Don Lands Municipal Class EA Master Plan Report may also include Phases 3 and 4 for certain Schedule C projects, such as larger projects involving road-related works, construction of underpasses or overpasses, or construction of new sewer systems. Schedule C projects generally include the construction of new facilities and major expansions to existing facilities.

Once complete, The West Don Lands Municipal Class EA Master Plan Report will be filed and made available for review by the public and any public agency that expressed interest in the study. Requests to the Minister of Environment for a Part II Order (to require an Individual EA) are possible only for specific projects identified in the Master Plan, not the Plan itself.

Opportunity Statement - Phase 1 of the Municipal Class EA Process

"To address sanitary, water, stormwater, and transportation infrastructure servicing requirements to support the proposed land uses including new and improved parks and public spaces that are proposed as part of the revitalization of the West Don Lands Precinct of the Toronto waterfront."

Special Issues

Elements of the waterfront revitalization not included as part of this project include the future of the Gardiner Expressway and the Lower Don Naturalization and West Flood Protection EA Study.

The information on comments sheet is collected under the authority of the Environmental Assessment Act and will become public information. All comments will be included in the documentation of the Municipal Class Environmental Assessment Master Plan Report to be prepared and made public at the conclusion of the study. Personal information including addresses and phone numbers will not be disclosed.

Guide to the Municipal Class EA Master Plan Process – Continued

Phase 2 of the Municipal Class EA Process - Alternatives Considered

Alternative solutions to address the opportunity statement will be evaluated using environmental and

For Schedule B projects, alternatives to the project will be assessed to comply with the Class EA. For socio-economic criteria. Schedule C projects, both alternatives to the project and alternative design solutions (Phase 3) will be considered.

Once public and agency input has been considered, a preferred approach will be finalized.

Through the study, a range of environmental issues will be addressed and mitigation measures to minimize potential adverse impacts will be considered. This process will include assessment criteria based on the following categories of consideration:

Technical

- Opportunity for Revitalization
- Feasibility and Cost

- Natural Environment
- Socio-Economic Environment

These criteria will be customized by the technical teams to address different types of infrastructure.

Phase 3 of the Municipal Class EA Process - Design Criteria

Alternative designs for the preferred alternatives to will be developed and assessed using criteria based on the same categories of consideration identified in Phase 2. These evaluations will be presented at a future public consultation session.

Next Steps

Public consultation on The West Don Lands Municipal Class EA Master Plan will continue. The next opportunity for comment will focus on design alternatives. The West Don Lands Municipal Class EA Master Plan Report will be prepared once the preferred design alternatives are selected (at the end phase 3).

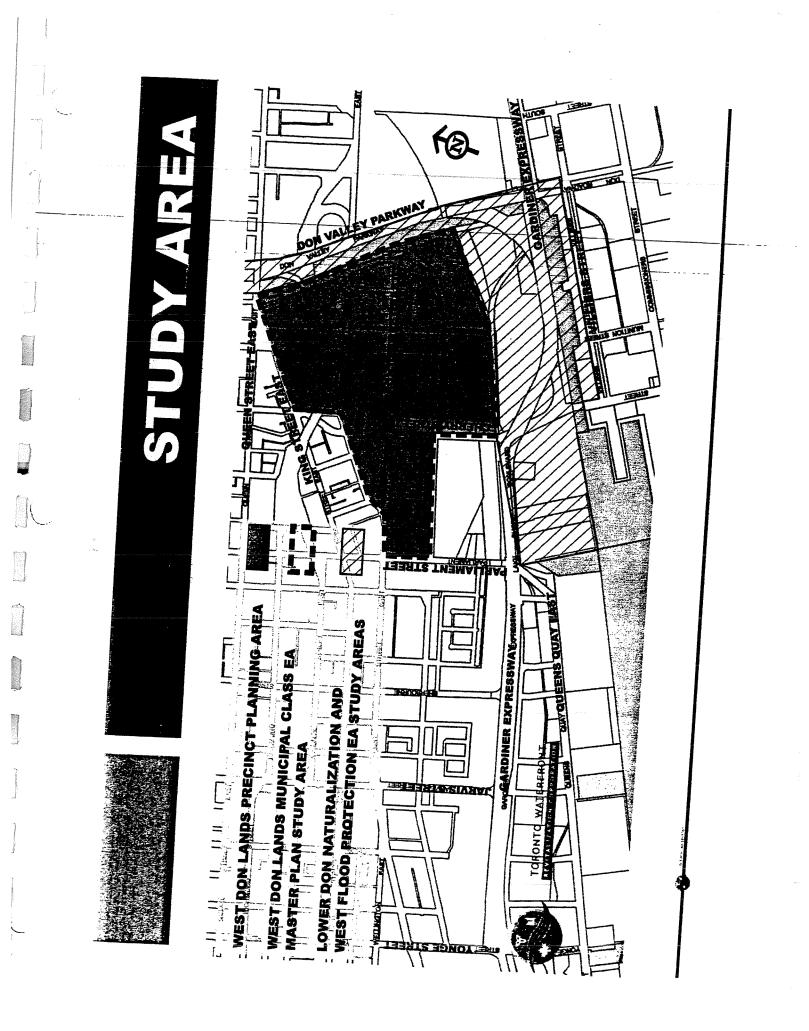
How to Get More Information

Information requests or questions may be directed to:

Jonathan Gouveia Lura Consulting 107 Church Street, Suite 400 Toronto, Ontario M5C 2G5 Phone: (416) 644-1802 (416) 536-3453 Fax: jgouveia@lura.ca

Additional information will also be regularly updated on the TWRC Website: www.towaterfront.ca

The information on comments sheet is collected under the authority of the Environmental Assessment Act and will become public information. All comments will be included in the documentation of the Municipal Class Environmental Assessment Master Plan Report to be prepared and made outline its will be included in the accumentation of the numerical class Environmental pasessment master rian report to a sublic at the conclusion of the study. Personal information including addresses and phone numbers will not be disclosed.



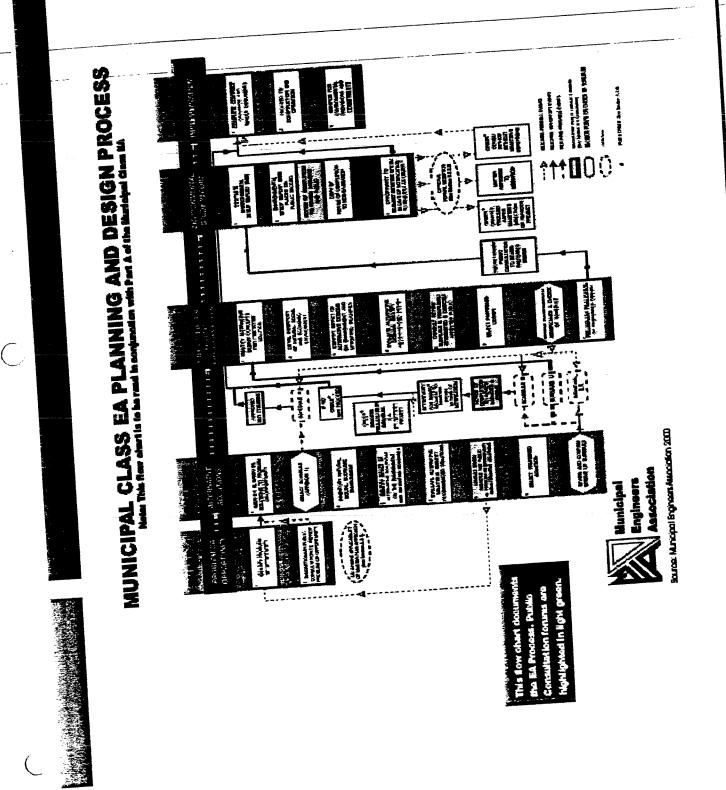


"To address sanitary, water, stormwater and transportation infrastructure servicing requirements to support the proposed land uses including new and improved parks and public spaces that are proposed as part of the revitalization of the <u>West Don Lands Precinct</u> of the Toronto Waterfront".



MASTER PLAN - NEXT STEPS

- We will confirm our choice of alternative solutions based on public and agency input.
- We will propose the design alternatives.
- A second public consultation session will be planned to provide an opportunity for comment on the design alternatives.
- We will then select a preferred design.
- The EA Master Plan Report will be prepared.



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MASTER PLAN

The Toronto Waterfront Revitalization Corporation in cooperation with the City of Toronto is carrying out a Municipal Class Environmental Assessment (EA) Master Plan Study for the <u>West Don Lands</u> Precinct Planning Area.

Municipal Class EA Master Plans incorporate infrastructure requirements for existing and future land use with environmental assessment planning principles.

The Municipal Class EA Master Plan will address:

• Water;

- Sanitary servicing;
- Stormwater;
- Utility corridors; and
- Transportation alternatives (including provisions for transit).

		EVALUATION CRITERIA
Ev	aluation	Rationale / Definition
Cor	moonent	The expected impact on terrestrial habitat, surface water quality, aquatic habitat, soil stability,
Soci Envi	o-Economic ronment	Issues related to access to private property, archaeological and cultural heritage resources, employment activity, noise, and
Opp	oortunity for vitalization	vibration. The extent to which the alternative supports the planning

and urban design goals of the

Cost and capability to adequately

Waterfront revitalization.

service the study area.

Discipline specific.

Revitalization

Feasibility and

Cost

Technical

Public Information Centre #2

Public Information Centre #2

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CLASS ENVIRONMENTAL ASSESSMENT – MASTER PLAN PUBLIC INFORMATION CENTRE #2

West Don Lands Planning Area

The Toronto Waterfront Revitalization Corporation in cooperation with the City of Toronto is carrying out a Class Environmental Assessment (EA) Master Plan Study to address water, sanitary servicing, stormwater management, and transportation needs (including provision for transit), for a section of the West Don Lands Planning Area, outside of the area subject to the Don River Naturalization EA. The EA process is being coordinated with a concurrent precinct planning exercise to design new communities in the West Don Lands.

The West Don Lands is a 32 hectare area generally east of Parliament Street, south of King Street, west of the Don River and north of the Gardiner Expressway.

This study is being conducted in accordance with the requirements of the *Municipal Class Environmental Assessment, June 2000*, an approved process under the Environmental Assessment Act. The Master Plan will address Phases 1 to 4 of the Municipal Class EA process addressing requirements for Schedule B and some C projects.

The second consultation on the West Don Lands EA Master Plan will take place during the Open House component of the next West Don Lands Public Forum:

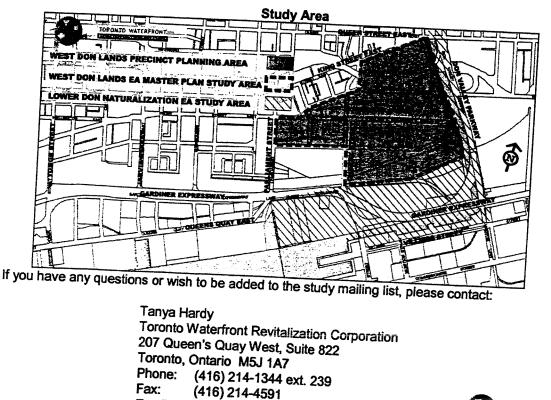
West Don Lands Public Forum When: Where: EA Master Plan Consultation: Precinct Plan Presentation:

May 6, 2004 55 Mill St., Distillery District (Stone Distillery Room) 5-7 p.m. (open house) 7-9:30 p.m. (presentation)

This Open House will seek public input on the design details for the preferred alternatives for Schedule C projects. Subject to comments received, we will finalize the preferred alternative designs and prepare an Environmental Assessment Master Plan Report, which will be placed on public record for a minimum 30 day review period.

The map shows the approximate limits of the study area.

Email:



thardy@towaterfront.ca





207 Queen's Quay West Suite 822 Toronto, Ontario M5J 1A7 Tel: (416) 214-1344 Fax: (416) 214-4591

April 22, 2004 95.03002.04.P02

«Title» «FirstName» «LastName» «JobTitle» «Company» «Address1» «Address2» «City», «State» «PostalCode»

Dear «Title» «LastName»,

Public Information Centre #2 **Class Environmental Assessment Master Plan** Subject: West Don Lands Planning Area

The Toronto Waterfront Revitalization Corporation (TWRC) in cooperation with the City of Toronto is carrying out a Class Environmental Assessment (EA) Master Plan Study to address water, sanitary servicing, stormwater, and transportation alternatives (including provision for transit), for a section of the West Don Lands Planning Area.

A second Open House is planned for May 6, 2004 to provide an opportunity for comment on the design alternatives for Schedule C projects. Please refer to the attached Notice for information regarding the location and time of the second Open House.

More information on both the Precinct Planning and the EA Master Plan is available on the TWRC If you have any comments or questions please contact me at (905) 882-4211 ext. 407 or at website: www.towaterfront.ca.

primel@mmm.ca

TORONTO WATERFRONT JOINT VENTURE

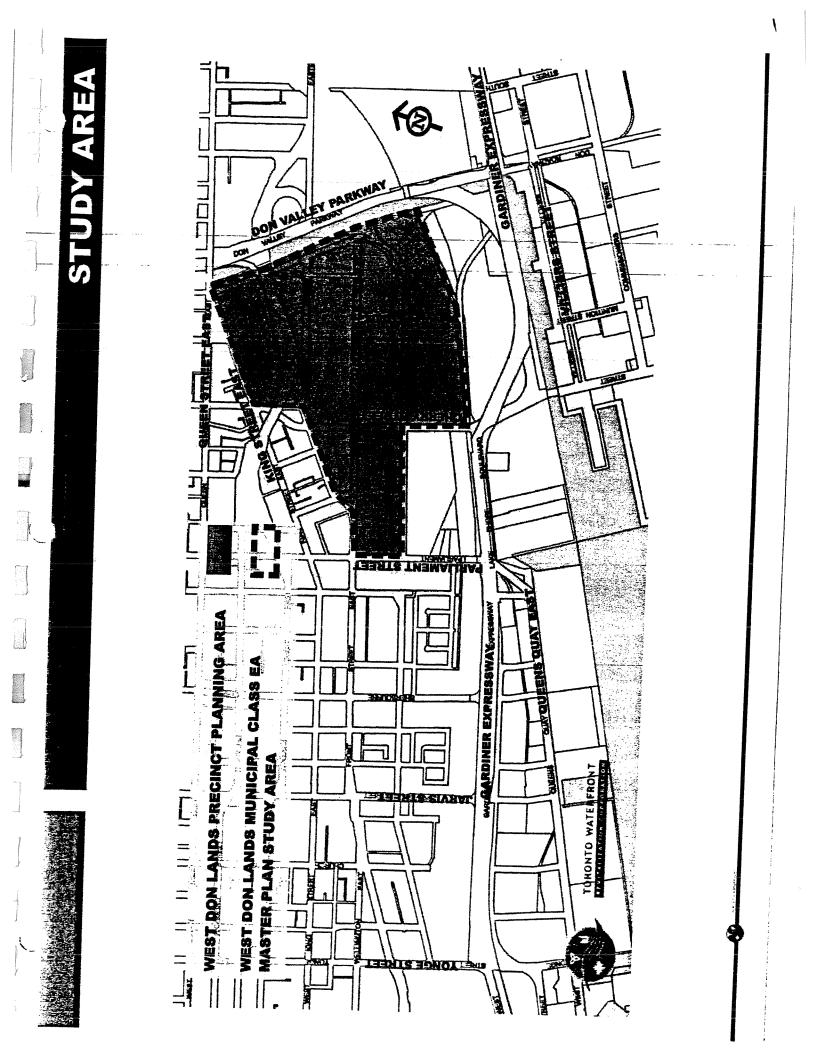
Lisa A. Prime, MES, MCIP RPP Environmental Approvals

A JOINT VENTURE









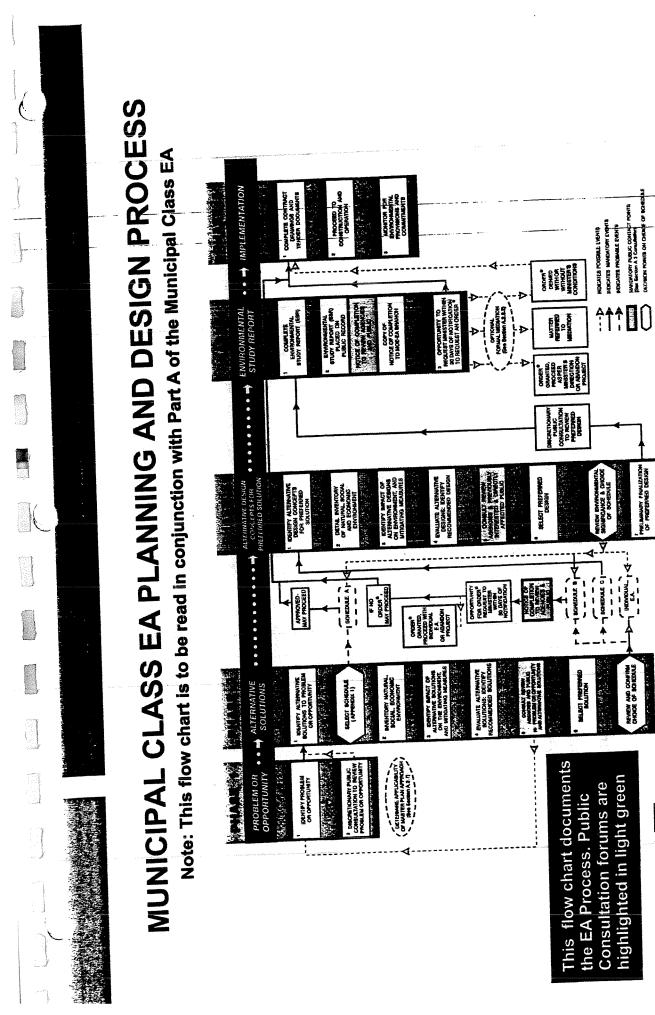
The Toronto Waterfront Revitalization Corporation in cooperation with the City of Toronto is carrying out a Municipal Class Environmental Assessment (EA) Master Plan Study for the West Don Lands Planning Area.

MASTER PLAN

Municipal Class EA Master Plans incorporate infrastructure requirements for existing and future land use with environmental assessment planning principles.

The Municipal Class EA Master Plan will address:

- Water;
- Sanitary servicing;
- Stormwater;
- Utility corridors; and
- Transportation alternatives (including provisions for transit).



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Schedule A	•	Include a number of municipal maintenance and operational activities;
	•	Are limited in scale;
	٠	Have minimal adverse environmental effects; and
	•	Projects are pre-approved and may proceed to implementation without
Schodula B	•	Mound involve the installation of traffic control devices, smaller road-related
	-	
		works;
	٠	Have the potential for some adverse environmental effects;
	•	Proponents are required to complete Phases 1 and 2 of the Class EA
		process including evaluating Alternatives to the Project; and
_	•	May proceed to implementation if there are no outstanding concerns.
Schedule C	•	Are larger projects involving road-related works, construction of under-
		passes or overpasses, and more substantial water/wastewater projects;
	•	Have the potential for significant environmental effects;
	•	Proponents must proceed under the full planning and documentation
		procedures specified in the Class EA (Phases 1 to 5) including evaluating
		Alternatives to the Project as well as Alternative Designs; and
	•	Requires preparation of an Environmental Study Report that is filed for
		review by the public and review agencies.

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Natural Environment	Terrestrial habitat Aquatic habitat	The expected impact on terrestrial habitat, surface water quality,
	Water quality/quantity	aquatic habitat, soil stability,
	Air quality	aesthetics and landscaping.
	Noise and vibration	
	Vegetation	•••• • • •
	Soil and groundwater	
Socio-Economic	Employment	Issues related to access to private
Environment	Cultural heritage	property, archaeological and cultural
	Impacts to businesses	heritage resources, employment
	Impacts to private property	activity, noise, and vibration.
	Recreation	
Opportunity for	Ability to support the development	The extent to which the alternative
Revitalization	objectives of the Precinct Plan	supports the planning and urban
	Ability to support the urban design	design goals of the Waterfront
		revitalization.
	Ability to support Waterfront wide	
Cost	Capital cost of improvements	Cost and capability to adequately
Effectiveness	Maintenance costs	service the study area.

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EVALUATION CRITERIA FOR DESIGN ALTERNATIVES

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Service (where	Ability to satisfy travel demand	various forms of transportation
applicable)	Access	service may have on road safety,
	Ability to support/promote transit	bicyclists, pedestrians, public transit
	Service to bicyclists	and travel demands.
	Service to pedestrians	
	Facilitation of goods movement	
	Police and emergency service	
	Operations	
	Impacts to traffic operations	
Municipal	Reliability of services	The ability to service future
Services (where	Flexibility to provide capacity for	community demands in a reliable
applicable)	future growth and/or improved	and cost effective way.
	service level	
	Life expectancy	
	Maintenance requirements	

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FURTHER EA WORK

- Further analysis and consultation will be needed to complete the EA studies for pedestrian bridges.
- Transit projects will require separate EA studies.

- The Class EA Master Plan will specify the process to be followed if there are any changes to the proposed projects.
- Significant changes (e.g., new alternatives) will require further analysis and consultation with stakeholders.

The Class EA Master Plan for West Don Lands cannot be used for transit projects. However, it does include consideration of space requirements for future public transit facilities in road allowances.

TRANSIT FACILITIES

 New public transit facilities must be evaluated and approved as separate studies under the EA Act. Comments received from the public and agencies on the alternative designs will be used to confirm or refine the evaluation (Spring 2004).

MASTER PLAN - NEXT STEPS

- An EA Master Plan Report will be prepared (Summer 2004).
- The EA Master Plan will be submitted to City Council (Fall 2004).
- A Notice of Study Completion will be published in the local newspaper and sent to stakeholders on the mailing list (Fall 2004).
- The report will be available for a 30 day review period during which time comments can be sent to the Minister of Environment.

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ALTERNATIVES TO DEAL WITH MUNICIPAL INFRASTRUCTURE

CRITERIA FOR EVALUATION OF ALTERNATIVES

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A 400	• DO NOTHING	- Only utilize existing infrastructure		
WALEK	• ALT. A • ALT. B	 Rebuild the infrastructure to follow the plan Use existing infrastructure with operational efficiencies and build new infrastructure 		- Terrestrial Habitat
WASTE WATER	 DO NOTHING ALT. A ALT. B 	 Only utilize existing infrastructure Rebuild the infrastructure to follow the plan Use existing infrastructure with operational efficiencies and build new infrastructure 	ENVIRONMENT	- Land - Water Cultural Heritade
STORM WATER	• DO NOTHING • ALT. A • ALT. B	 Only utilize existing infrastructure Rebuild the infrastructure to follow the plan Use stormwater as a resource (e.g., lawn working, root ton gardens) 	SOCIAL & ECONOMIC	- Traffic Disruption - Traffic Disruption - Recreation & Tourism - Health & Safety
	• ALT. C	 Infiltrate stormwater (e.g., infiltration trends, grassed swales) exfiltration system "End-of-Pipe" controls. Use techniques to 		- Employment - Noise & Vibration
	• ALT.D	clean poor quality stormwater immediately before discharge into watercourses & Bodies of water. (e.g. quality ponds, constructed	OPPORTUNITY FOR REVITALIZATION	
	• ALT. E	wetlands) - A combination of using existing infrastructure, rebuilding infrastructure, separating combined sewers, using stormwater as a resource, infiltration and clean storm water	FEASIBILITY & COST TECHNICAL	 Feasibility Cost Reliability of services Elevisities to provide
UTILITY CORRIDORS	 DO NOTHING CORRIDOR UTILIDOR / UTILITY 	 Only utilize existing infrastructure Rebuild the infrastructure to follow the plan Use existing infrastructure with operational efficiencies and build new infrastructure 		- reactive for future growth and/or improved service level - Life expectancy
	TUNNEL			requirements

FIG 6-1

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EVALUATION COMPONENT	RATIONALE / DEFINITION
Natural Environment	The expected impact on terrestrial habitat, surface water quality, groundwater quality, aquatic habitat, aesthetics and landscaping.
Socio-Economic Environment	Issues related to access to private property, archaeological and cultural heritage resources, employment activity, noise and vibration, traffic disruption, and health and safety
Opportunity for Revitalization	The extent which the alternative supports the planning and urban design goals of the waterfront revitalization.
Feasibility and Cost	Cost and capability to adequately service the study area.
Technical	Issues related to life expectancy of infrastructure, maintenance requirements, service reliability and flexibility to provide for service capacity improvements and future growth.
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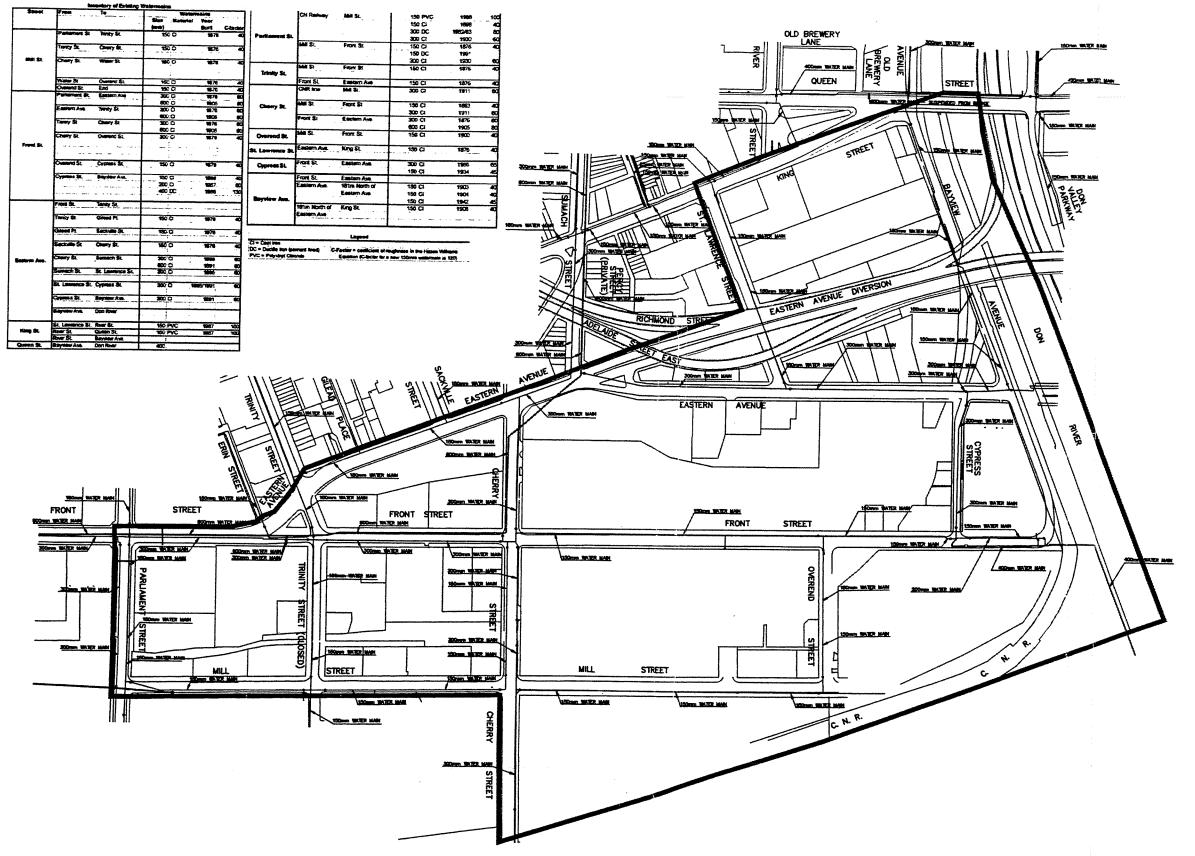
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WEST DON LANDS: EXISTING WATER DISTRIBUTION SYSTEM

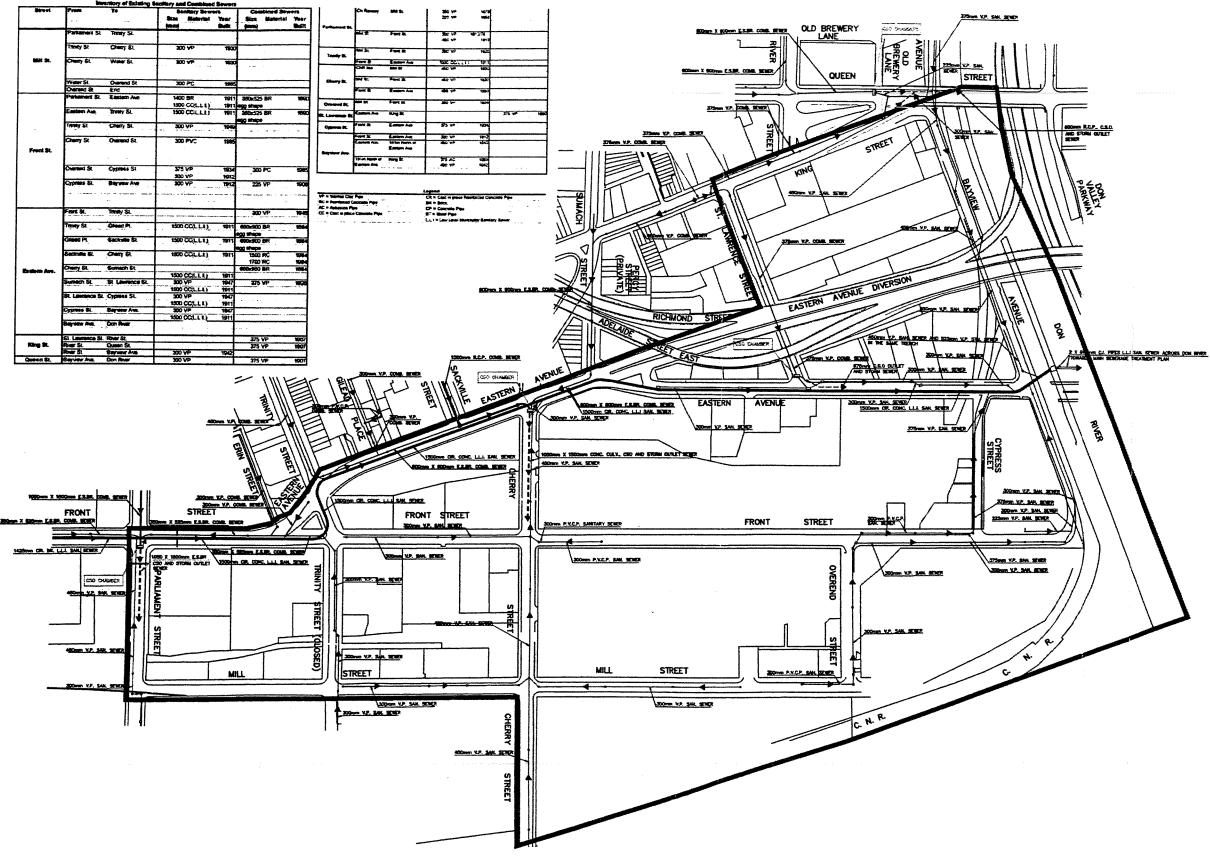






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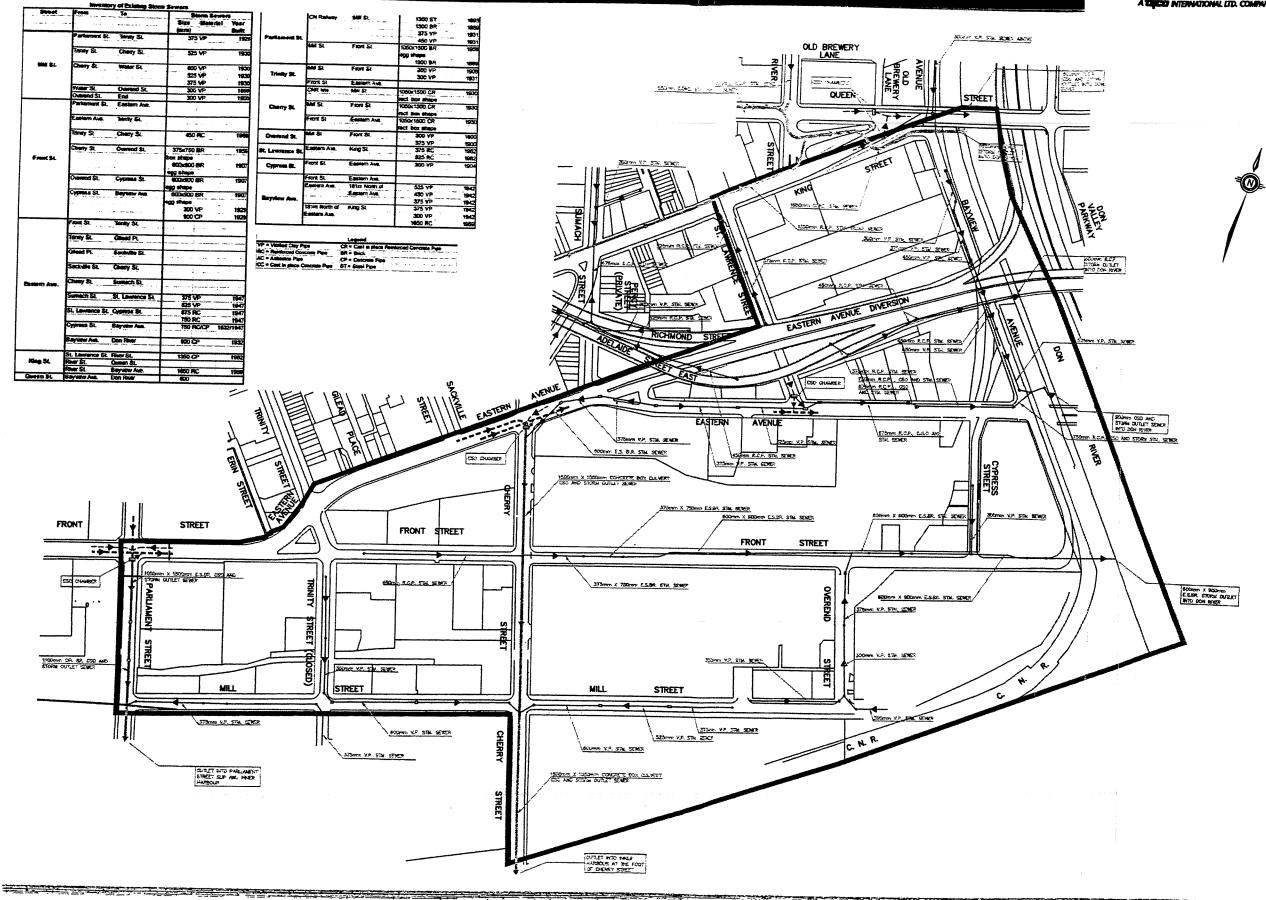
WEST DON LANDS: EXISTING SANITARY AND COMBINED SEWER SYSTEM





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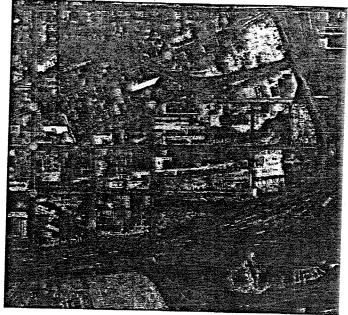
WEST DON LANDS: EXISTING STORM SEWER SYSTEM





201 LANDS BUSTING PAUSE SATETANI

Figure 1: Existing Road Network



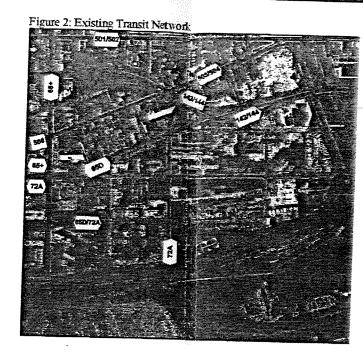
Signalized Intersection

EXISTING STREETS	
Major Arterials	- Eastern Avenue Diversion - King Street East
Minor Arterials	 Parliament Street Front Street East Eastern Avenue (Between Sumach Street and Bayview Avenue)
Collector Streets	- Cherry Street - Bayview Avenue (Between Front Street and Queen Street)
Local Arterials	Derby Street Corktown Lane Erin Street Gilead Place Percy Street Trinity Street Overend Street Cypress Street St. Lawrence Street Sumach Street Sackville Street

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	Existing TTC Routes (Regular)	1
*****	Existing TTC Routes (Seasonal)	
	Existing GO Train Routes	L

143/144	Direction of Travel & Service Number
506	End of Route

	· .	7
s Service	• · · · ·	
) Bus Se	rvice	
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Bicycle Parking

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TTC Services	- Parliament 65 and 65D	Bus Service		
	- Pape 72A Bus Service			
· · · · ·	- Downtown Beach Expre	iss (143) Bus	Service	
	 Kingston Road Streetca 	r (503)		
	 King Street Streetcar (5) 	04)	• . · ·	
	 Lakeshore Streetcar (50 	8).		
	- Queen Streetcar (501)			
	- Downtowner Streetcar (502)		
	- Downtown/ Don Valley E	Express (144)	Bus Service	
GO Transit		•		
- manant	- Lakeshore East Line		· · · ·	
	- Richmond Hill Line			
		· · · ·		

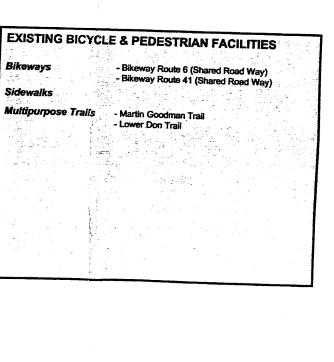


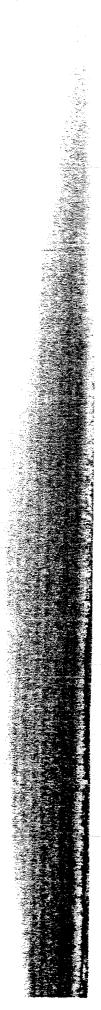
Figure 3: Pedestrian Sidewalk, Crossings, Bicycle Paths



Pedestrian Sidewalks Pedestrian Crossings

Bikeway Route 41 Bikeway Route 6 Major Multi-Use Trail





Improvement Strategy	Alternative Strategy	Description	Main Criteria		
			TRANSPORTATION SERVICE		
DO NOTHING	A	Retain existing transportation infrastructure.			
NEW ROADS	В	Provide new roads within the West Don Lands Precinct.			
	C	Provide new roads outside the West Don Lands Precinct.			
ROAD WIDENINGS	D	Widening existing roads within the West Don Lands Precinct.			
	E	Widening existing roads outside the West Don Lands Precinct.		•	
ROAD		그는 것 그는 것 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같은 것 같			
REALIGNMENTS		Realign existing roads and intersections within the West Don Lands Precinct.	NATURAL ENVIRONMENT		
RANSIT	G	Improve existing bus service to/from the West Don Lands Precinct.		•	
	H	Construct new and/or extend existing streetcars in own right-of-way within the West Don Lands Precinct.		•	
		Construct new and/or extend existing streetcars in own right-of-way outside the West Don Lands Precinct.	SOCIAL AND ECONOMIC	•	
BICYCLE/PEDESTRIANS ACILITIES) J	Construct new and/or extend and improve existing bicycle and pedestrian facilities to/from and within the West Don Lands	OPPORTUNITY FOR REVITALIZATION	•	
		Precinct.		•	
			COST EFFECTIVENESS		

ALTERNATIVES TO ADDRESS THE TRANSPORTATION NEEDS OF THE WEST DON LANDS PRECINCT PLAN

CRITERIA FOR EVALUATION OF ALTERNATIVES

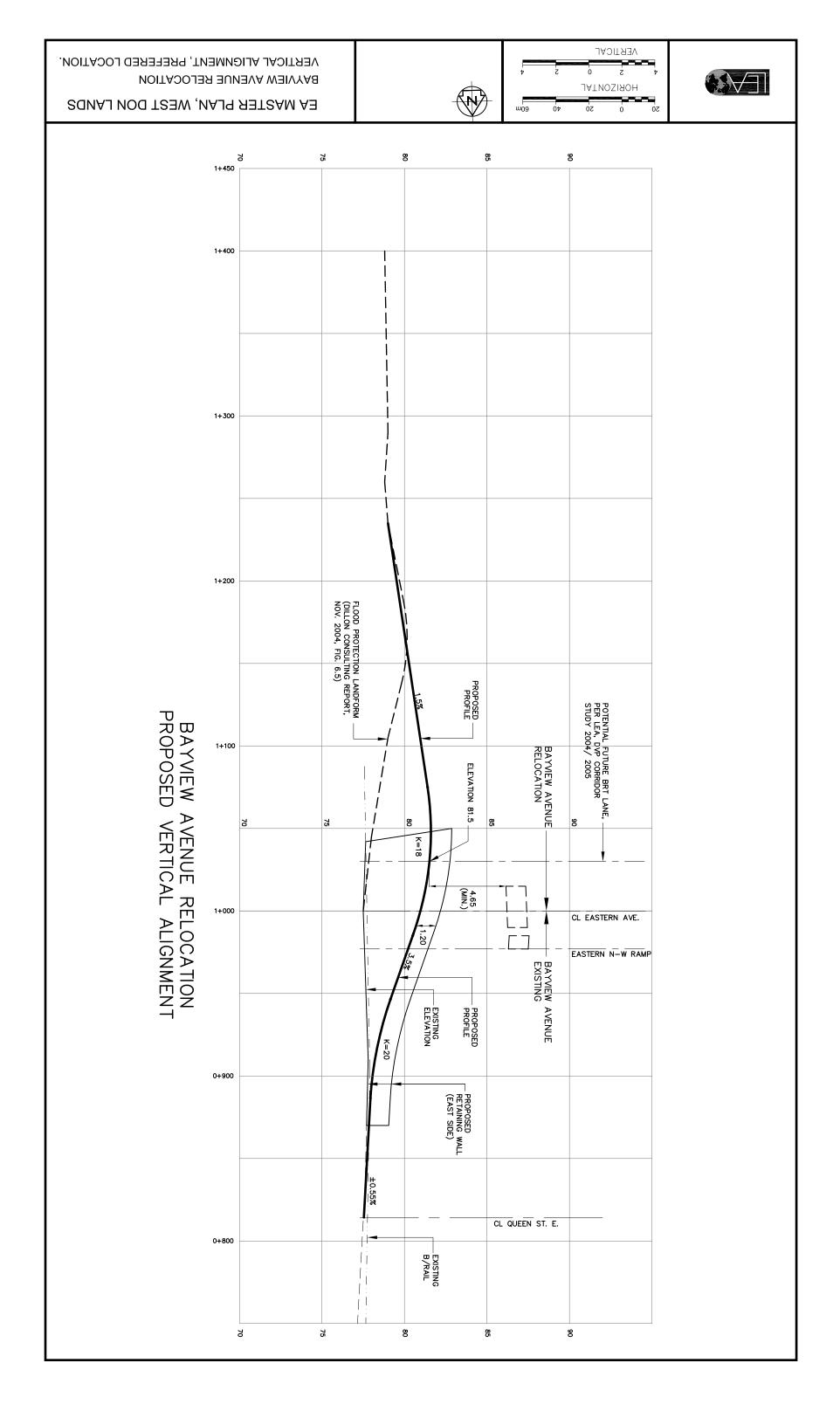
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Sub-Criteria

Road Safety Ability to satisfy travel demand of local and through traffic Access Ability to accommodate/encourage transit Service to bicyclists Service to pedestrians Promotion of goods movement Support Police and Emergency Service Operations Terrestrial habitat /egetation Availability of land Existing bodies of water Air quality Noise and vibration Employment Cultural and heritage resources Ability to support development objectives of he West Don Lands Precinct Plan bility to meet the urban design objectives of he West Don Lands Precinct Plan bility to support Waterfront wide vitalization

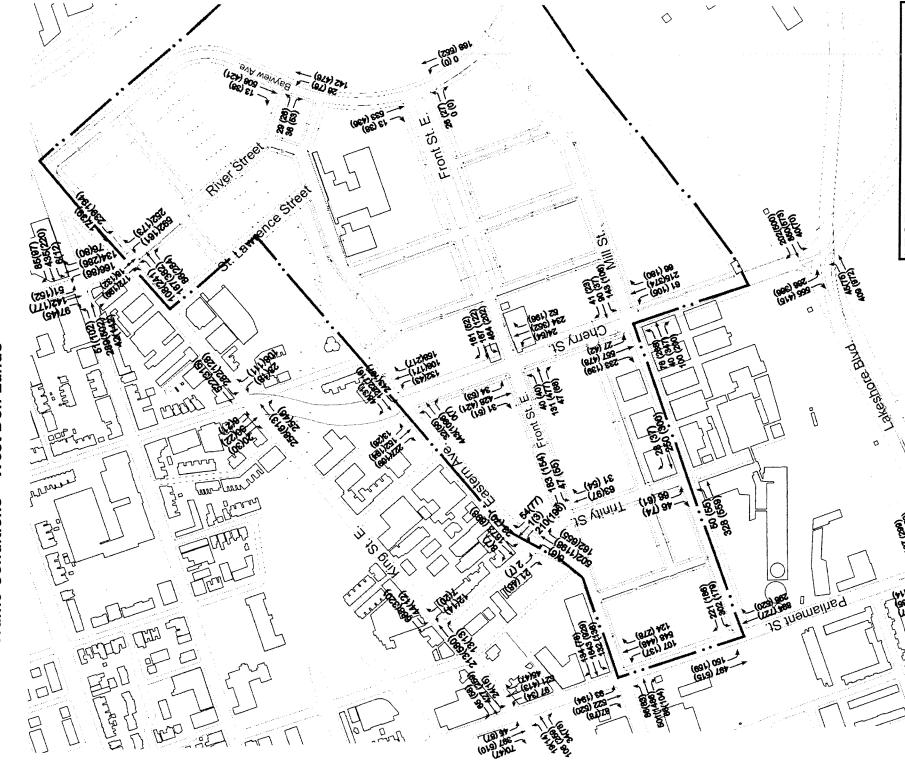
APPENDIX B Plan and Profile Drawings



APPENDIX C Assessment of Future Transportation Conditions

Appendix A

Future Total Traffic Conditions – West Don Lands





WEST DON LANDS EA MASTER PLAN: ASSESSMENT OF FUTURE TRANSPORTATION CONDITIONS

This document addresses future transportation conditions in the West Don Lands Precinct, as an appendix to the Precinct Class Environmental Assessment Master Plan completed in January 2005. This assessment is based on the following three studies: Travel Demand Forecasts Preliminary Findings, Phase 1 report, and The West Don Lands Transit Analysis Technical Memorandum, both of which were prepared by the IBI Group; and the West Don Lands Transportation Precinct Planning Report prepared by LEA Consulting Ltd.

1. DEVELOPMENT LEVELS

Full build-out of the West Don Lands (WDL) and East Bayfront have been reflected in the future transportation demands. These precincts are estimated to be at full build-out by the year 2021, as outlined in the Phase 1 report of the Travel Demand Forecasts Preliminary Findings (IBI Group, September 2004). The Phase 1 report estimates the build-out projections and timeframe for the West, East, and Central Waterfront, which encompass the above mentioned areas and more. The build-out numbers for the East Bayfront are 6,337 residential units and 190,107 sq. m of commercial space. For the West Don Lands, the Precinct Plan projects approximately 6,000 new units and 85,000 sq. m. of new commercial and institutional space will be complete by the build-out year. The Port Lands development levels have been assessed by the IBI Group, but that information was not available for inclusion in this study. Follow-on work is proposed to address these broader transportation demand impacts.

2. METHODOLOGY FOR PROJECTION OF FUTURE DEMANDS

Travel demand projections for the West Don Lands Precinct were derived from standards and surveys available from the city and other private consultants.

2.1. Trip Generation

Trip Generation rates used for the build-out year, 2021, were estimated by the City of Toronto as seen in Table 2.1 and Table 2.2. These rates were used by the City to prepare the Central Waterfront Secondary Plan.

	A.M. Pe	ak Hour	P.M. Peak Hour		
Residential (news	In	Out			
Residential (person trips per unit)	0.08892	0.35568	0.2964	Out	
Office (person trips per 100 m ²)	1.1748		0.2004	0.0988	
Retail (person trips per 100 m ²)		0.2200	0.3108	0.9324	
For trip generation purposes	0.09	0.09	1.58	1.58	

Table 2.1.	Trip	Ge	neratio	o n	Rates	
Source: W	est D	on	Lands	Pro	ecinct	Plan

For trip generation purposes, one third of the gross floor area (sqft) of total commercial development in the WDL would be offices and two-thirds would consist of retail uses. The auto trips in table 2.2 were comparable to results obtained from other studies and surveys carried out in the precinct. The traffic forecasts also took into account mixed-use developments planned for the Distillery District as well as developments in the East Bayfront. Additionally, the traffic volumes were increased by 10% to

-1-

account for traffic generated by other developments outside the WDL. Table 2.3 summarizes the number of trips generated by the proposed development in WDL for residential and commercial uses.

Table 2.2. Comparison of Auto Trip Generation Rates for Residential Development Source: West Don Lands Precinct Plan

* Located < 500m from Subway Station

Eddated Codon nem edbildy eta	A.M. Pea	k Hour	P.M. Peak Hour		
	In	Out	In	Out	
Precinct Planning for WDL	0.03	0.12	0.1	0.03	
Railway Lands West Traffic Study	0.02	0.1	-	-	
Surveys at Six Condominiums *	0.04	0.12	0.11	0.06	

Table 2.3. Trip Generation (Person Trips)

Source: West Don Lands Precinct Plan

		A.M. Peak Hour				P.M. Pea	ak Hour	
F	In		Out		In		Out	
Residential	552	57%	2207	95%	1839	63%	613	33%
Commercial	416	43%	125	5%	1078	37%	1269	67%
Total	968	100%	2332	100%	2917	100%	1882	100%

2.2. Trip Distribution

Trip distributions of nearby zones that have similar land uses to those proposed in the WDL were used to estimate the distribution for the WDL. The City had earlier adopted this approach for the Central Waterfront Secondary Plan using the 1996 TTS database. Using the above methodology, the trip distribution for WDL was projected for the 6:30 a.m. to 9:30 a.m. and 3:30 p.m. to 6:30 p.m. peak periods, using the 2001 TTS data. This is shown in Table 2.4.

Table 2.4. Estimated Distribution of Auto Driver Trips to / from the WDL Source: West Don Lands Precinct Plan

Source. West Don Lands Freemet Film	A.M. Pea	k Hour	P.M. Peak Hour	
	In	Out	In	Out
Downtown via Front St / King St	5%	10%	5%	5%
North via Parliament St	5%	10%	10%	5%
West via Lake Shore Blvd / Gardiner		45.00	45%	40%
Expressway	40%	45%		10%
East via Lake Shore Blvd / Eastern Ave	20%	10%	10%	
North via Don Valley Pkwy / Bayview Ave	30%	25%	30%	40%
Total	100%	100%	100%	100%

2.3. Mode Split

Due to the largely undeveloped nature of the WDL and the anticipated changes in the future, the Kings Survey and the Waterfront Travel Survey were used to estimate the mode splits. Additionally, the City's policy of a 35% auto model split and emphasis on a high level of transit service, as well as pedestrian and bicycle facilities, was incorporated in the mode split values as seen in Table 2.5.

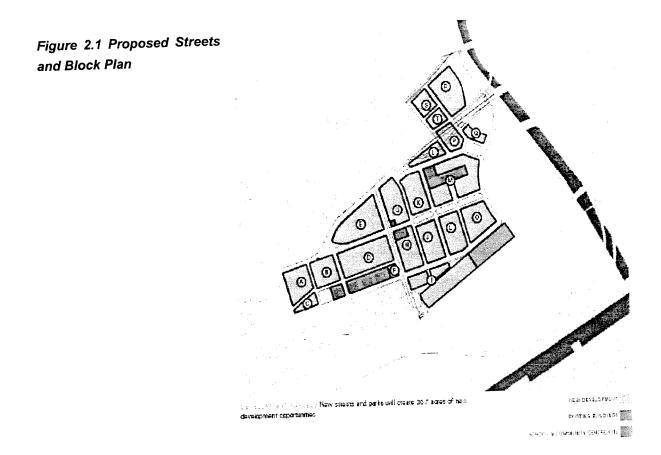
Auto Driver	Kings Travel Survey (%)	Waterfront Travel Survey (%)
Auto Passenger	35	33
Local Transit	30	3
GO Train Bicycle	0	31
Walk	2	0
Other	29	28
Total	100	4
	, , , , , , , , , , , , , , , , , , , ,	100

Table 2.5. A.M. Peak Period Mode Split (All Trip Purposes) Source: West Don Lands Precinct Plan

2.4. Trip Assignment

A future transportation network as represented in Figure 2.1 of the WDL Precinct Plan was created in QRSII (a computerized travel forecasting software) to model the a.m. and p.m. trip assignments. Changes to the existing road network, road closures, and relocation of links were modeled in the network for Trip Assignment. The existing traffic volumes were manually adjusted to reflect re-routings due to street closures and other changes, and the traffic generated by the WDL and EBF was layered on top of these values. No growth in through traffic was factored in (reflecting the overall trend across the Planning District 1 Cordon over the past 15 to 20 years).

The future transportation demands are shown in Appendix A. These build on the QRS model, and reflect local network characteristics and operational issues.



3. FUTURE TRANSPORTATION DEMANDS

The existing levels of service were calculated for all of the signalized intersections in the Precinct using Synchro / Simtraffic (Version 6.0). All of the intersections in the precinct were found to be operating at acceptable levels of service as seen in Table 3.1. Future transportation conditions at full build-out were also analyzed, and these are shown in Table 3.1. All of the intersections are projected to remain operating at acceptable levels of service. As noted above, the assignment reflected the proposed Streets and Blocks Plan. The use of Synchro/Simtraffic allows the assessment of individual intersections (believed to be the primary criterion for network performance in a network of short blocks, in an urban setting) and progression between intersections, also a significant measure of the functionality of the network.

	E	xisting Traffic		F	uture Traffic (20	04)
Intersection	Level of Service	Critical Lanes	Degree of	Level of	Critical Lanes	
A.M. Peak Hour			Sat. ≫ 0.85	Service	onucai Lanes	>= 0.85
Parliament / King	В					
Parliament / Front	B	-	-	В	-	_
Parliament / Mill	A	-		D	WBT/NBT/SBT	0.99/0.96/0.87
Parliament / Lake Shore	C C	-	-	B	-	-
Cherry / King	A	WBT	0.87	D	WBT/NBT/SBT	0 99/0 96/0 87
Cherry / Eastern	B	-	-	В	-	0.00/0.30/0.07
Cherry / Lake Shore	B		-	В		
River St / Queen	B	-	-	В	-	
P.M. Peak Hour	B		-	В		-
Parliament / King	В		-			
Parliament / Front	<u>B</u>		-	А		
Parliament / Mill	<u> </u>	-	-	С	EBT	0.95
Parliament / Lake Shore		-	-	A		0.95
herry / King	C	NBT	0.88	С	EBT/NBR	0.95/0.94
herry / Eastern		-	-	A		0.93/0.94
herry / Lake Shore	A	-	-	В		
iver St / Queen	B	-	-	В		
	В	-	-	В		

Table 3.1. Levels of Service for Existing and Future Traffic Conditions Source: West Don Lands Precinct Plan

At present, the intersections at Front Street/Eastern Avenue/Trinity Street, Front Street/Cherry Street, Mill Street/Cherry Street and River Street/King Street are not signalized. Assuming that signals ultimately will be warranted at these locations, the future levels of service based on the traffic forecasts were estimated. In all cases, it was estimated that these intersections would operate at an excellent Level of Service A or B.

Each of the alternative solutions identified in the EA Master Plan report has been reviewed in relation to the transportation demands.

3.1. Alternative A

Alternative A is the base case, "do nothing" alternative. Total future traffic conditions were not explicitly analyzed on the existing transportation network for the "do nothing" alternative. However, given that the network is currently under-utilized, the results for future traffic conditions in Table 3.1 can be taken as generally representative of Alternative A. The results did not take into account the impact of a streetcar line operating on Front Street or Cherry Street.

3.2. Alternatives B and C

The New Roads Alternatives (B / C) include the construction of new, or extensions of existing, public roads within and outside WDL, providing an overall connected network. The new local roads within WDL are estimated to carry low volumes of traffic. These roads would essentially serve local

transportation demands for the various modes (auto, pedestrian, bicycle) and provide access to new developments abutting both sides of the street. Hence, the impact of these alternatives on traffic operations is indirectly accounted for in the LOS and capacity analysis of other road alternatives listed below. There is very limited scope for Alternative C, involving construction of new road links outside the Precinct to serve the Precinct demands. Introduction of new external road connections beyond those proposed would be extremely costly, and would not serve the primary vectors of demand (north and west).

3.3. Alternatives D and F

These alternatives cover two opportunities: road widening within the WDL (D), and road realignment (F). The alternatives take into account that regular traffic and streetcars share the same right-of-way.

3.3.1. Alternative D

Results obtained from the West Don Lands Transit Analysis report help define the projected impact of widening roads and intersections that share right-of-way with one of the proposed streetcar lines (for proposed streetcar options, see Alternative H below) as seen in Table 3.2. The transit analysis was undertaken for the 2021 build out conditions and assumed the corresponding land use and transportation network. The following intersections (and connecting links between them) would have to be widened for the successful implementation of any one of the proposed streetcar lines: Parliament/King, Parliament/Front, Cherry/King, Cherry/Eastern, Cherry/Front, and Cherry/Mill.

As seen from Table 3.2, with the road widenings and either one of the streetcar options in place approximately 27% to 25% of the a.m. peak hour trips would be made by the streetcar line in the WDL Precinct. Similarly, analysis carried out for transit trip flows through WDL showed that the streetcar Option 1 would result in 2,181 through trips compared to 2,270 through trips for Option 2, as seen in Table 3.4.

Tripe	5	Total Motor	0 T					
Originating From	Destined To		Gen. Ira	nsit Travel 7	lime (min.)	-	6	
	Port Lands	Trips	Option 1	Option 2	Difference	Option 1	Transit Trip	Difference
		50	34.9	32.9	-2	19	21	
	Rest of Central Area	1580	37.6	40.3	27			2
West Don Lands	Rest of Waterfront	220	44.6	47.7		1166	1061	-105
	West Toronto	790	78.5		3.1	129	118	-11
	East Toronto	840	and the local division of the local division	82.3	3.8	304	284	-20
	Rest of GTA	550	73.7	77.3	3.6	299	279	-20
Sub Total			144	144.6	0.6	53	53	0
Port Lands		4030	n/a	n/a	n/a	1970	1816	
Rest of Central Area	_	70	32.8	30.7	-2.1	25		-154
Test of Waterfront	L	610	45.7	48.1	2.4		28	3
Vest Toronto	- West Don Lands -	170	49.2	52.1	2.9	231	215	-16
		870	81.7			55	51	-4
ast Toronto		1170	77	85.1	3.4	300	283	-17
est of GTA	7 -	1320		80.6	3.6	384	360	-24
ub Total			156.7	157.2	0.5	101	101	0
otal To / From West Don Lan	de	4210	n/a	n/a	n/a	1096	1038	
	40	8240	n/a	n/a	n/a	3066		-58
						3000	2854	-212

Table 3.2. 2021 A.M. Peak (3-hour) Period Trip Flows Originating From / Destined To West Don Lands Source: West Don Lands Transit Analysis

3.3.2. Alternative F

The realignment of the Front Street and Eastern Avenue intersections serves a two-fold purpose; first, to accommodate future total traffic conditions while catering to the existing flow of commuter traffic, and second, to allow the introduction of a streetcar line along Front Street (Option 1 in Transit Alternatives). Two alignments for the intersection were analyzed (Figure 3.1 and 3.2). LOS and capacity analysis, along with direction and destination of the traffic, was examined in selecting the best alternative. Table 3.3 summarizes the results of the analysis.

able 3.3. Levels of Service at the Front St / Eastern Ave / Trinity St. Intersection	,
Interpreting I wild recircit Plan	

Intersection	LOS	Erond Od / E	
A.M. Peak Hour		Front St / Eastern Ave. Diversion	Vol. / Cap.
Alternative 1	В	Front St. Factly	
		Front St. Eastbound (double left turn)	0.76
Alternative 2	В	Eastern Ave. South to Westbound (double right turn)	0.6
		Front St / Eastern Ave. Eastbound Front St / Eastern Ave. Westbound	0.29
P.M. Peak Hour		vient ot / Lastern Ave. Westbound	0.83
Alternative 1	В	Front St. Eastbound (double left turn)	
		Eastern Ave. South to Westbound (double left turn)	0.81
Alternative 2	В	Front St / Eastern Ave. Eastbound	0.63
		Front St / Eastern Ave. Westbound	0.69
		eut et / Eustern Ave. Westbound	0.56

Figure 3.1. Alternative 1 realigns the intersection so that Front Street both east and west of Trinity Street functions as a continuous east-west road.

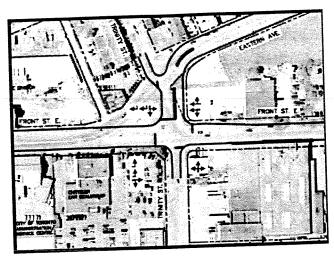
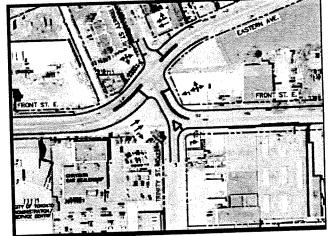


Figure 3.2. Alternative 2 realigns the intersection such that Front Street and Eastern Avenue form a single east-west road.



Alternative 2 was selected as it is expected to maintain an uninterrupted flow of East-West traffic and reduce the risk of traffic cutting through the WDL, along with a resulting better level of service and lower v/c ratios. The impact of this realignment on auto and transit trips is embedded in the results of Table 3.2.

3.4. Alternative H

The transit alternative assessed involves construction of new and/or extend existing rapid transit within the WDL.

Two streetcar lines have been proposed based on the WDL Transit Analysis Technical Memorandum; Option 1, routings that divert from King Street at Parliament Street and then continue along Front Street, and Option 2, routing through WDL via Cherry Street. Both the options were analyzed with the help of ridership estimates from the Travel Demand Model and an elasticity approach. Option 1 results were pivoted off of the Option 2 results using a total travel time elasticity approach developed by TTC for marginal service planning purposes. This approach calculated a generalized travel time, which was used to estimate the impacts of marginal service planning issues on transit ridership. Equations 3.1 and 3.2 describe the methodology:

Generalized Travel Time = (1.0 X In-Vehicle Time) + (2.5 X Walk Time) + 3.1 (1.5 X Wait Time) + (10 min / Transfer)

(% Change in Transit Riders) = (-1.5%) * (% Change in Generalized Travel Time) 3.2

Trips		Gen Ti	ransit Travel Ti	inter (and a l			
Originating From	Destined To	Option 1	ansit flavel 1		Transit	Trips Throug	h WDL
	Port Lands	85.1	Option 1	Difference	Option 1	Option 2	Difference
1	Rest of Central Area	48.6	83.6	-1.5	40	41	1
East Toronto	Rest of Waterfront	50.8	46.1	-2.5	1364	1484	120
	West Toronto	63.6	48.3	-2.5	67	73	6
	Rest of GTA	130.8	61.1	-2.5	29	31	2
Sub Total		the second s	128.3	-2.5	1	2	1
Port Lands		<u>n/a</u>	n/a	n/a	1501	1630	129
Rest of Central Area	-1 -	51.2	49.7	-1.5	33	34	1
Rest of Waterfront	East Toronto	53	50.5	-2.5	59	64	5
West Toronto		51.7	49.2	-2.5	60	65	5
Rest of GTA		56.6	54.1	-2.5	10	11	
Sub Total		146.7	144.2	-2.5	6	6	
		n/a	n/a	n/a	168	180	0
	Rest of Central Area	31.4	34.3	2.9	386		12
Port Lands	Rest of Waterfront	40.6	43.5	2.9	10	343	-43
	West Toronto	56.6	59.5	2.9	3	9	-1
Sub Total	Rest of GTA	130.5	130.5	0		3	0
		n/a	n/a	 n/a	0	0	0
Rest of Central Area		35	37.9	2.9	399	355	-44
Rest of Waterfront	Port Lands	42.2	45.1		56	51	-5
West Toronto		69.1	72	2.9	1	1	0
Rest of GTA		181.7	181.7	2.9	54	51	-3
Sub Total	, ,	n/a		0	2	2	0
			n/a	n/a	113	104	-9
otal Through West Don Lands	1	n/a	n/a	n/a	2181	2270	89

1	Table 3.4. 2021 A.M. Peak (3-hour) Period Route Transit Trip Floure T
S	Table 3.4, 2021 A.M. Peak (3-hour) Period Route Transit Trip Flows Through West Don Lands Source: West Don Lands Transit Analysis
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In Eq. 3.1, walk time is more heavily weighted, thus Option 1 results in an overall addition of 212 trips for both the a.m. and p.m. peak periods as it has a larger catchment area (based on the 5-minute walking distance buffer). On the other hand, for through trips, Option 2 with its lesser wait time due to smaller headways attracts 89 more transit trips as compared to Option 1 as seen in Table 3.4. In the final analysis, Option 1 attracts only 120 net additional riders during the a.m. peak period. This advantage is more than offset by the cost to build a 5.2 km long streetcar line, as opposed to a 3.7 km line for Option 2. Thus, Option 2 is the preferred streetcar line routing.

The Transit Alternatives G and I are not part of the current evaluation.

3.5. Recommended Cross-Sections

Based on the analysis of road and transit requirements documented above (and also taking into consideration other planning issues documented in the EA Master Plan report), the following cross-sections are recommended:

- Front Street: Between Eastern Avenue and Cherry Street, the volumes generated by Lea and IBI both suggest that one through lane per direction is sufficient. The IBI work to date [focused more at the regional level] suggests that a volume of 500 to 600 vehicles is expected in the peak direction.) It is understood that a parking lane is to be provided on each side. West of Eastern Avenue, four lanes of traffic capacity are required. These cross-sections do not account for a streetcar line (Option1).
- Cherry Street: north of Eastern Avenue, a two-lane cross-section is required. South of Eastern Avenue, a four-lane cross-section is required. As seen in Section 3 and Table 3.1 the current infrastructure (number of lanes - capacity) provides acceptable levels of service for total future traffic conditions. Thus, while maintaining existing number of lanes, the right-of-way for Cherry Street has been widened to include the streetcar line (Option 2).

North of Eastern Avenue, the existing right-of-way allows the inclusion of the streetcar line as seen in Figures 3.2 and 3.3 while maintaining the number of lanes (i.e. the same capacity). From south of Eastern Avenue to the rail corridor, Cherry Street is proposed to be widened selectively on either the west or east side to minimize the impact on existing infrastructure, as well as to provide the necessary right-of-way to accommodate the streetcar line. Figures 3.4 and 3.5 show a typical cross-section.

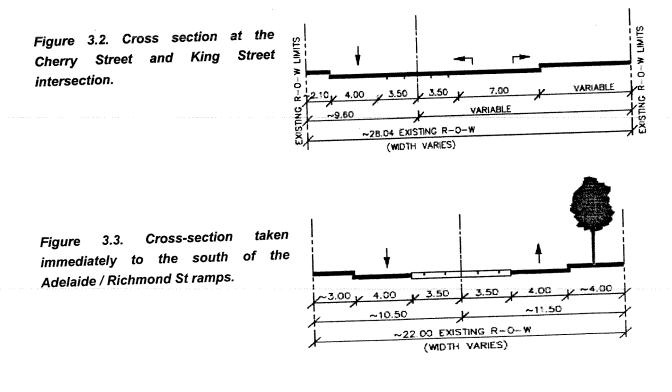


Figure 3.4. Typical cross-section between Eastern Avenue and Front Street

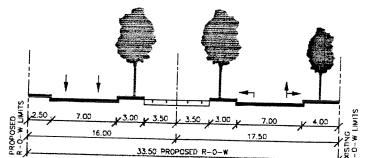
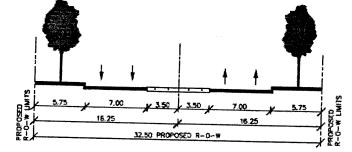


Figure 3.5. Typical cross-section South of Front Street to Rail Corridor.



- River Street Extension: two-lanes plus bike lanes in each direction are proposed, with a parking lane on the east side
- "The Park": a four-lane cross-section is proposed, with bike lanes in each direction
- Bayview Avenue: a two-lane cross-section plus a bike lane and parking lane on each side is proposed

The bike network through this area is proposed to include the following reserved bike lanes, in addition to the existing network of shared lanes and trails:

- River Street Extension
- Bayview Avenue south of the River Street Extension
- Mill Street, between Bayview Avenue and Parliament Street

This has been concluded in recognition of the increased traffic demands in and through the WDL, and in recognition for the need for connections to the City's existing network and future areas of projected demand.

There is the potential to designate reserved bike lanes on Cherry Street, and it is recognized that this would enhance the connectivity of the cycling network, and thereby enhance the sustainability of the area's transportation system. Cherry Street provides the most direct routing for residents of Corktown, Regent Park and Cabbagetown to the Lake, and it would fill in a gap in the cycling network east of Sherbourne Street. Given the volume of traffic and uncertainty as the parking operation on Cherry Street, the Master Plan has not attempted to be definitive on this issue. However, the pavement width is wide enough to accommodate bike lanes, and it should be noted as an option in the City's

operational strategy, to be resolved in concert with the decision regarding the streetcar routing into the West Don Lands.

It is acknowledged that there is some loss of functionality for cyclists due to the narrower right-of-way on Cherry Street north of Mill Street. Provision of off-street parking can assist in maximizing the utility of the right-of-way for cyclists as well as vehicular traffic. Alternatives which can be explored during detailed design include narrowing the sidewalks slightly to accommodate reserved bike lanes, or application of a colonnade system for wider pedestrian space in combination with wide pavement to accommodate reserved bike lanes.

3.6. Projected Demands for Schedule "C" Projects

The Bayview Avenue Re-alignment and Cherry Street Widening are listed as falling under Schedule "C" under the MEA Class EA Schedule in the WDL Class Environmental Assessment Master Plan. The projected future demands for Cherry Street and Mill Street are listed in the WDL Precinct Plan (Figure 3.2). Presented below is a review of the projected future peak hour traffic conditions for Cherry Street and Bayview Avenue:

Bayview Avenue Realignment

It is proposed to realign Bayview Avenue to protect as much as possible of the road from flooding, by placing on top of the flood protection landform. The realignment also involves the addition of new intersections and links to Bayview Avenue from other major streets in the Precinct. This change in the network geometry is expected to have an impact on travel patterns within the precinct. Traffic growth (documented in the WDL Precinct Plan) on existing major streets (Cherry Street and Mill Street) along with results obtained from the QRS model have been used to define a range of future total traffic conditions for Bayview Avenue. Table 3.5 shows the compound growth rate and the existing and future directional peak hour traffic volumes for Cherry Street and Mill Street.

Cherry Street	•					South	ound	
Northbound					A M P.M.			
	A.M.		P.M.				EXISTING	FUTURE
	EXISTING	FUTURE	EXISTING		1000		906	1965
	452		436	1692	1200	<u> </u>		%
Growth / vr	5	%	7	%		///		

Table 3.5. Existing and Future Total Peak Hour Traffic

Growth / yr

Mill Street	
-------------	--

reet				Westbound				
	Eastbound					A.M.		
	A.M.		A.M. P.M. NG FUTURE EXISTING FUTURE				EXISTING FUTURE	
	EXISTING	FUTURE	EXISTING		1208	2131	906	1965
	452	1050	436	1692	1200	%	8%	
h	5	%	9	%	0	70		

Growth / yr

An average of the growth rates from Table 3.5 was used to calculate future directional peak hour traffic volumes for Bayview Avenue, shown in Table 3.6. Estimates from the QRS model are also shown in Table 3.6. The two values can be taken as the high and low ends of the range of future directional traffic conditions on Bayview Avenue during the peak hour.

	Northbound				Southbound				
	A.M.		P.M.		A.M.		P.M.		
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	
Growth Rate	102	257	696	3203	520	1186	385	1142	
QRS Model		168		552		533		436	

Table 3.6. Existing and Projected Bayview Avenue Traffic Volumes

The northbound p.m. volume projected based on the growth rate is very high, in comparison to the QRS projection. A growth rate of 8% per year is likely not sustainable over a period of 10 to 20 years. However, the northbound QRS value is less than the existing. Applying a one percent growth rate over 20 years would result in p.m. peak hour values of 850 northbound and 470 southbound. The p.m. peak hour is expected to be the critical time period. These values are expected to be representative of future conditions. These values can be accommodated on the proposed Bayview Avenue cross-section, based on the function of Bayview as a "single-loaded" street which does (and will continue to) serve primarily as a commuter route.

Cherry Street Widening from King Street to South of Mill Street

The widening is to be carried out to accommodate a 12 to 13m wide landscaped median along with a dedicated right-of-way for the proposed streetcar line. The estimated total future directional peak hour traffic is seen in Table 3.7.

Cherry Street Widening from South of Mill Street to Rail Corridor

In the long term, the streetcar line will be extended under the rail corridor and to the Port Lands. Currently, it is proposed to provide a loop on the south side of Mill Street for the streetcar line on Cherry Street. The estimated total future directional peak hour traffic is seen in Table 3.7.

Table 3.7. Cherry Street - Existing and Future Total Traffic

Cherry Street (King St to South of Mill St)

NB				SB			
A.M.		P.M.		A	.M.	P.M.	
EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
310	708	281	1033	724	1310	586	1184

TOTAL

Cherry Street (South of Mill St to Rail Corridor)

NB				SB			
A.M.		P.M.		A.M.		P.M.	
EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
 142	342	155	659	484	821	320	781

TOTAL

These projected volumes can be accommodated on the proposed cross-sections.

4.0 CONCLUSIONS

Based on the reports and studies mentioned in the above document, the following alternatives are expected to improve the transportation network within the West Don Lands and support the development envisioned for the Central Waterfront Secondary Plan area.

- Alternative 'D' Widening existing roads within the West Don Lands Precinct. This is the most cost-effective and feasible method to meet the transportation demands of WDL. In the majority of cases existing road right-of-ways permit the widening of major links within the WDL making the network flexible enough to support both vehicular traffic as well as transit additions in the form of streetcars.
- Alternative 'F' Realign existing roads and intersections within the West Don Lands Precinct. The Front Street / Eastern Avenue intersection is the only major realignment proposed for the study area. The alignment limited the distribution of through traffic within the WDL and maintains the familiar "through" routes. This helped in aiding the smooth flow of traffic and allowed more capacity for local traffic on the internal roads.
- Alternative 'H' Construct new and / or extend existing transit within the West Don Lands Precinct. The WDL Transit Analysis Technical Memo findings for Option 2 indicate a mode split of nearly 35% for transit trips originating from or destined to the WDL. This fits well with the City of Toronto's goal to encourage the use of transit, which will consequently lower the auto mode split to an average of 35% for the Waterfront area. To achieve the goals a streetcar system (Option 2) is recommended based on the City's Secondary Plan for the Central Waterfront.

Road cross-sections (including recommendations regarding bike lanes) were defined for incorporation into the Master Plan; these are noted in Section 3.5 above.

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