

TORONTO TRANSIT COMMISSION REPORT NO.

MEETING DATE: January 23, 2008

SUBJECT: PROCUREMENT AUTHORIZATION
TRANSIT CITY LIGHT RAIL TRANSIT CONSULTING SERVICES
CONTRACT TC85-1

RECOMMENDATION

It is recommended that the Commission authorize the award of the following contracts, in the total upset limit amount of \$2,750,000, for feasibility studies and environmental assessments on Transit City Light Rail Transit Program projects to the companies in the upset limit amounts listed below:

- i) Contract TC85-1A in the upset limit amount of \$425,000 to Delcan Corporation for the environmental assessment of the Finch West LRT line;
- ii) Contract TC85-1B in the upset limit amount of \$425,000 to IBI Group (in joint venture with ARUP Canada Incorporated) for the feasibility study and environmental assessment of the Scarborough/Malvern LRT line;
- iii) Contract TC85-1C in the upset limit amount of \$1,350,000 to Transit City Group (a joint venture of Giffels Associates Limited and UMA/AECOM) for the environmental assessment of the Eglinton Crosstown LRT line; and
- iv) Contract TC85-1D in the upset limit amount of \$550,000 to Hatch Mott MacDonald Limited for the feasibility study and environmental assessment of the Jane Street LRT line.

FUNDING

Sufficient funds for these expenditures are included in the TTC 2008-2012 Capital Program, in program Transit City Move Ontario 2020, under Environmental Assessments for BRT/LRT Network in Toronto as set out on pages 1527 to 1531 – Category Expansion, as approved by City Council on December 11, 2007.

Payment for the professional services will be based on actual work performed at the unit rates tendered. No work will be initiated on any project unless the funds are available and the Work Plan Releases are approved.

BACKGROUND

The Toronto Transit City Light Rail Plan consists of seven new light rail transit (LRT) lines that would, upon implementation, provide a network of rapid transit throughout Toronto. The Commission endorsed the Transit City Plan at its meeting on March 21, 2007 and has since received several updates.

The seven LRT lines that comprise the Transit City Plan are Sheppard East, Finch West, Eglinton Crosstown, Scarborough/Malvern, Don Mills, Jane and Waterfront West.

The projects are at various stages of development. The following table illustrates the status of all Transit City lines, including work that is intended to be conducted under the TC85-1 contracts:

PROJECT	FEASIBILITY STUDY	ENVIRONMENTAL ASSESSMENT
Sheppard East	In Progress by LEA Consulting	In Progress by URS Canada Ltd.
Finch West	In Progress by LEA Consulting	<i>TC85-1A</i>
Eglinton Crosstown	In Progress (TTC Engineering Department)	<i>TC85-1C</i>
Scarborough / Malvern	<i>TC85-1B</i>	<i>TC85-1B</i>
Don Mills	In Progress (City of Toronto Transportation Department)	In Progress (City of Toronto Transportation Department)
Jane	<i>TC85-1D</i>	<i>TC85-1D</i>
Waterfront West	Complete	In Progress by LEA Consulting

The work for the TC85-1 contracts was grouped into two categories: Category 1 in which the alignment of the lines is totally at grade; and Category 2 in which the alignment of the lines is known or expected to include underground sections where tunnelling expertise is required. The specific breakdown of the work to be awarded under Contract TC85-1 is:

Category 1 (At-grade) Assignments

- Finch West LRT line Environmental Assessment
- Scarborough/Malvern LRT line feasibility study and Environmental Assessment

Category 2 (At-grade and Underground) Assignments

- Eglinton Crosstown LRT line Environmental Assessment
- Jane LRT line feasibility study and Environmental Assessment

The feasibility study consists of determining the functional alignment for the line, identifying constraints, potential property requirements and areas that will require extra engineering effort. The environmental assessment phase consists of completing the

studies and analysis necessary to produce the Environmental Studies Report and fulfill the requirements for approval of a Municipal Class Environmental Assessment.

DISCUSSION

The TC85-1 contracts cover the outstanding feasibility studies and environmental assessments to bring all Transit City lines to the end of the environmental assessment phase.

A Request for Proposals was publicly advertised on the TTC's web site on October 15, 2007. Twenty-one companies requested copies of the proposal documents out of which six companies or joint ventures submitted a proposal for Category 1 projects and seven companies or joint ventures for Category 2 projects as summarized in Appendix "A".

It was pre-determined that the recommendation for award would be based on the highest rated qualified proponents with reasonable pricing for each category. Category 2 would be evaluated first due to the expected complexity and higher award levels for the projects in the category. The companies recommended for award in Category 2 would be excluded from the evaluation of Category 1 awards so that no company would receive more than one award. In addition, the Request for Proposals stated that the Commission reserved the right to amend the Contract to include segments of subsequent engineering phases, subject to satisfactory performance and project approvals. All proposals received were reviewed and ranked by the evaluation team based on the evaluation criteria as shown in Appendix "B". Proponents scoring within three points of a top rated company were considered equally qualified. Following the determination of the final ranking, the pricing envelopes of the highest rated proponents were opened and evaluated.

Evaluation of Category 2 (At-grade and Underground) Assignments

From the seven companies that submitted proposals, Hatch Mott MacDonald Limited, MMM Group Limited, IBI Group, and Transit City Group were the highest rated and considered equal based on the qualitative evaluation. After review of the pricing information from these companies, Transit City Group and Hatch Mott MacDonald Limited are recommended for award as they submitted the lowest total evaluated price and their proposals are considered acceptable.

It is recommended that Transit City Group be awarded Contract TC85-1C for the environmental assessment of the Eglinton Crosstown LRT line, and Hatch Mott MacDonald Limited be awarded Contract TC85-1D for the feasibility study and environmental assessment of the Jane LRT line.

Evaluation of Category 1 (At-grade) Assignments

Transit City Group and Hatch Mott MacDonald Limited were subsequently excluded from the evaluation of the Category 1 assignments. In addition, URS Canada Incorporated did not submit a proposal for the Category 1 assignments.

From the remaining companies, MMM Group Limited, IBI Group, and Delcan Corporation were the highest rated and considered equal based on the qualitative evaluation. After review of the pricing information from these companies, Delcan Corporation and IBI Group are recommended for award as they submitted the lowest total evaluated price and their proposals are considered acceptable.

It is recommended that Delcan Corporation be awarded Contract TC85-1A for the environmental assessment of the Finch West line, and IBI Group be awarded Contract TC85-1B for the feasibility study and environmental assessment of the Scarborough/Malvern LRT line.

JUSTIFICATION

Transit City Group, Hatch Mott MacDonald Limited, Delcan Corporation, and IBI Group are recommended for award of contracts for the feasibility studies and environmental assessments of four Transit City LRT lines based on their submitted qualifications and pricing.

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Attachments - Appendices A and B

APPENDIX A

**PROCUREMENT AUTHORIZATION
TRANSIT CITY LIGHT RAIL TRANSIT CONSULTING SERVICES
CONTRACTS TC85-1A, B, C, and D**

LIST OF PROPONENTS

Category 1 At-grade Alignments	Category 2 At-grade and Underground Alignments
Delcan Corporation *	Delcan Corporation
Earth Tech Canada Limited	Earth Tech Canada Limited
Transit City Group (a joint venture of Giffels Associates Limited and UMA/AECOM)	Transit City Group * (a joint venture of Giffels Associates Limited and UMA/AECOM)
Hatch Mott MacDonald Limited	Hatch Mott MacDonald Limited *
IBI Group * (in joint venture with ARUP Canada Inc.)	IBI Group (in joint venture with ARUP Canada Inc.)
MMM Group Limited (in joint venture with McCormick Rankin Corporation)	MMM Group Limited (in joint venture with McCormick Rankin Corporation)
	URS Canada Incorporated

* Recommended Companies

APPENDIX B

PROCUREMENT AUTHORIZATION TRANSIT CITY LIGHT RAIL TRANSIT CONSULTING SERVICES CONTRACTS TC85-1A, B, C, and D

EVALUATION CRITERIA

CORPORATE QUALIFICATIONS / EXPERIENCE

- a) Number of Years in Business
- b) Relevant Corporate Experience
- c) Depth of Available Relevant Resources for EA Component at the Proponent's Local Office
- d) Depth of Available Relevant Resources for Subsequent Design Phases at the Proponent's Local Office
- e) CADD Facilities, Experience, and Degree of Compliance to TTC CADD Standards

PROJECT STAFF QUALIFICATIONS / EXPERIENCE

The following criteria were evaluated for the Project Manager, Lead Civil Engineer, Lead Electrical Engineer, Lead Structural Engineer, Lead Architect, Tunnel Engineer (Category 2 only), Transportation Planner, Environmental Specialist, and Rest of the Project Team:

- a) Number of Years of Direct Experience
- b) Work of a Similar Size and Nature
- c) Technical Qualifications