

**COMMITTEE OF THE WHOLE   NOVEMBER 19, 2001**

**GIS CORRELATION TABLE PROJECT & ONTARIO PARCEL ALLIANCE (OPA)**

**Recommendation**

The Commissioner of Development Services and Public Works in consultation with the Director of Purchasing and the Director of Reserves and Investments recommends:

1. THAT the 2002 Capital Project #1015.0 GIS Database Correlation, in the amount of \$120,000.00 be given pre-budget approval and that the funding source be taxation.
2. THAT notwithstanding existing purchasing policy, Munirom Technologies Inc. be contracted at a fee of \$1.18 per parcel to conduct the GIS Correlation Table Project, with a cost recovery of \$1.00 per parcel.
3. THAT a by-law be enacted to authorize the Mayor and Clerk to execute two agreements between the City of Vaughan and Teranet Enterprises Inc:
  - License Agreement
  - Geo Server Agreement

**Purpose**

To obtain pre-budget approval for: 2002 Capital Project #1015.0 GIS Database correlation; to contract Munirom Technologies Inc. to perform the GIS Database Correlation Project and; execution of two agreements between the City of Vaughan and Teranet Enterprises Inc. to facilitate the project and position the City for cost recovery for this project.

**Background - Analysis and Options**

**Ontario Parcel Alliance (OPA)**

Teranet, MPAC and MNR have formed an alliance called the Ontario Parcel Alliance (OPA). The purpose of this alliance is to create and standardize the property ownership and taxation digital mapping throughout Ontario. Teranet will use this digital mapping for its property ownership operations and MPAC will use it for its Assessment operations. Therefore, it will be possible to use uniform mapping and to correlate taxation and ownership data for any property in Ontario.

When this data is compiled, the municipalities in Ontario will have access to it. As Project Manager for the compilation of this data, Teranet will enter into arrangements with municipalities that already have the data, to purchase this data from the municipality.

The issue for Vaughan is one of timing. The expectation was that the Program would have been well underway and that Vaughan's data would be available. If Vaughan waits for this program to unfold, it may take several years before Vaughan data is collected and available from OPA. If Vaughan undertakes to collect the data now, it will be available immediately, and Vaughan may recover costs from Teranet. It is vital to the progression of the GIS project that this correlated data be available.

As of October 2001, the three parties in OPA have for the most part concluded their negotiations and MNR and the Boards of MPAC and Teranet are considering approval of the agreement. The actual signing of the OPA deal is anticipated soon.

## The Vaughan GIS Correlation Table Project

Munirom Technologies Inc., using the software tools licensed to the City at no cost from Teranet, will create a version of the database that conforms to Teranet's data standard for Ontario Parcel Index (OPI) which is a file containing a table, cross-referencing:

- The PIN (property identification number, (ownership) assigned by POLARIS, (the automated land records management system for the Province of Ontario owned by Teranet)
- The ARN (the assessment roll numbers assigned by the Ontario Municipal Property Assessment Corporation), and
- The address (the civic address of a parcel).

In addition, Munirom will correlate the Amanda system's (parcel legal description) data.

The resulting Parcel database will depict:

- The ownership view (by PIN)
- The taxation view (by AROLL)
- Those parcels in the process of creation and deletion due to the subdivision and other municipal processes ie. Proposed parcels and draft plan parcels that have been approved but not yet registered.

The resulting database will contain and maintain the relationship between these differing sets of parcels, to produce the master Municipal view of parcels. The Polaris fabric constitutes the base. A cross-reference is created from the PIN to the AROLL and to the Amanada ID for parcels, allowing for the use of the best sources of address, owner and occupant for each parcel.

## Costing

Teranet will license to the City of Vaughan at no cost (for Munirom's use), the software tools to create the database.

The City will pay a \$30,500/year "GeoServer" subscription for the software interface via which the map files will be electronically delivered to Vaughan.

Munirom will charge Vaughan \$1.18 per parcel. There are currently 67,380 parcels in Vaughan. The approximate cost would be \$80,000. The Capital Project submission is \$120,000 to cover the anticipated growth in parcels which have not yet been registered.

We anticipate cost recovery from Teranet at \$1.00 per parcel. Therefore, the actual cost to the City would be \$0.18 per parcel.

Please note the agreements are currently being reviewed by the Legal Department.

## Conclusion

The undertaking of this project is important for several reasons:

- The correlated parcel database will allow some key functions to be performed in the Vaughan Development Tracking Application (DTA) system as well as in other GIS systems. Until this data is in place, the DTA will not be fully usable, and other GIS projects will be delayed.
- This data is required by Clerks Department for the correct creation of mailings for the various notifications that are required.
- This data is required to allow the AMANDA system to be GIS enabled and to be linked to the DTA. Until this link is available, information about permits will not be available through the DTA. This is needed by Economic Development, by Planning, and by Buildings.
- This data is required to make full use of the Teranet Mapping. Without the data, the Tax assessment information in Finance can not be used together with the Teranet Mapping.
- This type of data is required by Vaughan regardless of the OPA arrangement in order to carry on with a GIS program. The OPA arrangement is an added benefit, in that this is an opportunity for cost recovery.

Respectfully submitted,

Frank Miele  
Commissioner of Development Services and Public Works