



[www.dmtispatial.com](http://www.dmtispatial.com)

# DMTI Spatial™ Product Line Changes August 2007



really  
smart  
spatial  
solutions™

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## TABLE OF CONTENTS

ABOUT DMTI SPATIAL™	1
Really Smart Spatial Solutions™	2
DMTI Spatial™ Product & Service Portfolio	2
Error Reporting & Enhancement Requests	3
Contact Information	3
IMPORTANT NOTIFICATIONS	4
PRODUCT CHANGES AND ENHANCEMENTS	5
CanMap® Topographic Folder (TOPO) v2007.3	5
CanMap® Streetfiles v2007.3	5
CanMap® Major Roads and Highways v2007.3	6
CanMap® RouteLogistics v2007.3	6
CanMap® RouteLogistics Network Dataset v2007.3	7
CanMap® Six Digit Postal Codes (LDU) Boundary v2007.3	7
CanMap® Multiple Enhanced Postal Codes (MEP) v2007.3	8
CanMap® Forward Sortation Area Boundaries (FSA) v2007.3	9
CanMap® Unique Enhanced Postal Codes (UEP) v2007.3	9
Postal to Census Translation Table (P2CTT) v2007.3	10
Enhanced Points of Interest (EPOI) v2007.3	10
CanMap® Parks & Recreation v2007.3	11
CanMap® Rail v2007.3	11
CanMap® Populated Placenames (PPN) v2007.3	12
CanMap® Water v2007.3	12
GeoPinpoint™ Suite v2007.3	13

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## About DMTI Spatial™

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DMTI Spatial Inc. is Canada's leading spatial solutions provider. We enable users to understand their customers, optimize resources, realize opportunities, maximize profitability and make more informed decisions through accurate products and innovative thinking.

DMTI Spatial publishes precision built street map, rail and routing data (CanMap®), a detailed water layer, and innovative geocoding and address management software (GeoPinpoint™). In addition, DMTI Spatial publishes a full range of positionally accurate geospatial data products including: enhanced points of interest (EPOI), census data and boundaries, postal geography, topographic maps, and satellite imagery. As part of a complete business geographic solution, DMTI Spatial offers a wide range of GIS services, consulting, and software training.

Established in 1994, DMTI Spatial is committed to setting the standard within the GIS industry for precision built spatial data and geocoding software products.

At DMTI Spatial, we believe that our true strength comes from working closely with our customers and providing innovative solutions to meet their strategic business objectives. As Canada's premier spatial solutions provider we pride ourselves with having worked with North America's leading organizations to support their mission critical applications.

DMTI Spatial works with large and small organizations representative of a wide variety of industries:

- Agriculture
- Banking/Finance
- Consulting
- Education
- Emergency Services
- Engineering
- Environmental
- Forestry
- Government
- Health
- High Technology
- Insurance
- Manufacturing
- Media
- Mining
- Real Estate
- Retail
- Telecommunications
- Transportation
- Utilities

We are a member of the ESRI Canada Business Partner Program, and winner of the 2001 ESRI Worldwide New Business Partner of the Year Award and the 2006 ESRI Foundation Partner of the Year Award. We are a strategic business partner of MapInfo and winner of the Markham Board of Trade 2000 Award for Entrepreneurship and Innovation. Recipient of The Association of Canadian Map Libraries and Archives (ACMLA) 2002 Certificate of Appreciation.



## Really Smart Spatial Solutions™

Through the application of its products and services, DMTI Spatial has been involved with projects such as: location-based services, logistics planning, emergency dispatch, facilities management, data management, customer care, address management, land base development in support of network planning, and marketing/demographic analysis applications.

DMTI Spatial can provide all of the components necessary for the acquisition, implementation, operation and maintenance of a successful GIS system within companies of all sizes. Through its product and service offering, DMTI Spatial can provide users with 5 key components:

- |   |                          |
|---|--------------------------|
| 1. Accurate, detailed and compatible data | 4. Professional Services |
| 2. Comprehensive maintenance program      | 5. Software training     |
| 3. GIS software                           |                          |

## DMTI Spatial™ Product & Service Portfolio

DMTI Spatial's product & service offering includes:

### **CanMap® - Digital Map Data for Canada**

- CanMap® Streetfiles
- CanMap® RouteLogistics
- CanMap® Multiple Dwelling Unit Buildings
- CanMap® Rail
- CanMap® Major Roads and Highways
- CanMap® Parks & Recreation
- CanMap® Water

### **Satellite Imagery**

- GlobeXplorer's ImageConnect™

### **Municipal Amalgamations**

- CanMap® Municipality Amalgamation File (MAF)

### **Business & Recreational Points of Interest**

- Enhanced Points Of Interest (EPOI)

### **GeoPinpoint™ Suite**

- Canada's Geocoding Solution
- Modular Architecture
- Windows Standalone Desktop Version
- UNIX, Java Wrapper, ActiveX (DLL Version)

### **Topographic Data and Base Maps**

- Canadian Atlas Map Bundle (CAMB)
- Populated Placenames
- National Topographic Data Base (NTDB)
- 30 & 90m Digital Elevation Models (DEM)
- Clutter Data

### **Postal Geography & Data**

- Platinum Postal Suite (PPS)  
Local Delivery Boundaries (LDU)
- Enhanced Postal Code File (UEP/MEP)
- Forward Sortation Areas (FSA) Boundary File
- Postal to Census Translation Table

### **2001 Census Boundaries**

- Dissemination Area (DA)
- Census Subdivision (CSD)
- Census Division (CD)
- Census Metropolitan Area/Census Agglomeration (CMA/CA)
- Census Tract (CT)
- Federal Electoral Districts (FED)
- Equivalent 1996 Census Geography

### **GIS Software**

- Demographic Profiling and Lifestyle Targeting
- Geocoding and Mapping Software
- Contour Modeling and Display
- Routing and Logistics

### **Consulting and Services**

- Location Hub
- Project Management
- GIS Desktop Training
- Application Development
- Data Conversion and Creation
- Database Scrubbing
- Geocoding Services
- GIS Consulting
- Technical Support

## Error Reporting & Enhancement Requests

DMTI Spatial is committed to building the best products possible for our customers. By using our data every day in your mission critical application you are our best product tester. Please let us know if you have found an error in any of our products so that we can make the correction for the next release.

This is your opportunity to provide feedback directly to the DMTI Spatial Product Management Team. Please be as specific as possible so that we can improve our products quickly and accurately. To access the Technical Support and Error Reporting Web page please visit: <http://www.dmtispatial.com/helpdesk/> or send an e-mail to: [support@dmtdispatial.com](mailto:support@dmtdispatial.com)

If you have an idea for a new product or an existing product enhancement, please submit your ideas to the Wish List Web page: <http://www.dmtispatial.com/pm/> or send an e-mail to: [pm@dmtdispatial.com](mailto:pm@dmtdispatial.com)

Over the coming months DMTI Spatial will keep you informed of new product feature enhancements, new product releases and strategic alliances. Our goal is to provide you with the knowledge and tools to attain a competitive advantage.

## Contact Information

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## Important Notifications

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### **1) *Platinum Postal Suite – LDU Boundaries v2007.3***

The LDU boundaries will not be released for the Aug v2007.3 quarterly release. They will be available for the November v2007.4 release.

### **2) *ArcView (\*.apr) Project files***

ArcView (\*.apr) project files will no longer be created as part of the normal delivery after the November v2007.4 release. These files will be available as custom orders.

### **3) *Enhanced Points of Interest (POI) v2008.1***

For the February v2008.1 version of the Enhanced Points of Interest (EPOI), there will be feature enhancements such as new fields which will be built into the existing product. A BETA testing program running from August through November is available for those users who wish to explore these changes further.

Published Product Information: <http://www.dmtispatial.com/epoi>

### **4) *RouteLogistics – Network Dataset for ArcGIS Network Analyst 9.x***

The CanMap RouteLogistics - ESRI Network Analyst datasets is currently available for selected areas in Canada in the shapefile format.

DMTI Spatial is currently releasing this same dataset in the geodatabase format as a custom release.

Published Product Information: <http://www.dmtispatial.com/route>

### **5) *Postal to Census Translation Table - (PPS)***

A Postal to Census Translation Table is now available by request for PPS product users. This table contains explicit and a unilateral relationships of 6-digit postal code point geometry to various level of census geography as delineated in the 1996 and 2001 periods. The purpose of the table is to facilitate users to migrate operations to a postal framework by providing a bridge between current Canadian postal code points and historic census geography boundaries.

Published Product Information: <http://www.dmtispatial.com/pps/>

If you are interested in any of the products listed above or wish further information, please contact your Account Manager at 1-877-477-3684.

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## Product Changes and Enhancements

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In keeping with the DMTI Spatial program of continuous maintenance, this release includes:

### CanMap® Topographic Folder (TOPO) v2007.3

- Building footprints and municipal park layers have been enhanced in selected urban areas

#### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### CanMap® Streetfiles v2007.3

CanMap Streetfiles is a nationwide street centerline file that provides an accurate digital map fabric for wireless and location based service applications (LBS), market analysis, target marketing, site location analysis, customer service, and asset management as well as several other business applications.

CanMap Streetfiles provides you with comprehensive coverage, detailed attribution, positional accuracy, and current data to supply you with the very best presentation-quality output possible. Its national street centerline includes detailed topographic and geographic features at the highest level for all major Canadian urban areas.

North America's number one choice for Canadian map data, CanMap Streetfiles assists your strategic decision-making process with accurate and detail analysis managing your business decisions effectively.

For customers that seek to locate, analyze, or display their company's customers, prospects, or assets geographically, CanMap Streetfiles is your only choice.

#### Data Quality Enhancements Include:

- Includes all data quality enhancements indicated for the Canada Directory
- Improved and increased naming and addressing across Canada
- Enhanced positional accuracy and graphic completeness in selected urban areas
- Added and named park polygons and points
- Increased naming of existing park polygons and points
- Improved accuracy of municipal amalgamation boundaries by including municipal annexations based on available Provincial/Territorial sources.

#### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will include support for structured metadata in supporting XML and HTM files.

#### Field Changes:

- None



## CanMap® Major Roads and Highways v2007.3

CanMap Major Roads & Highways is Canada's most up-to-date, precision-based road transportation infrastructure solution for mapping and location based applications.

The development of CanMap® Major Roads & Highways is in direct response to the need for a comprehensive and accurate highway and major road infrastructure throughout Canada.

This innovative data product provides a geographic reference to locate and plan infrastructures such as phone lines or water pipes, for planning community development, or for 'light' web mapping applications.

### Data Quality Enhancements Include:

- Includes all data quality enhancements indicated for the Canada Directory
- Improved naming and segment naming consistency across Canada
- Enhanced positional accuracy and graphic completeness in selected urban areas

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will include support for structured metadata in supporting XML and HTM files.

### Field Changes:

- None

## CanMap® RouteLogistics v2007.3

If your organization is seeking a quality routing solution that improves your staff's travel times and routing capabilities, CanMap® RouteLogistics is the product you need.

CanMap RouteLogistics assists you in enhancing your routing capabilities by improving your staff's travel time to their customer by displaying the best routing options from one location to another. CanMap RouteLogistics also offers you the opportunity to plot out your proposed routes in advance to determine estimated time of arrivals for a given route.

Based on the highest quality street map data available, CanMap RouteLogistics provides detail road and traffic attribution for areas of business, such as routing and fleet management, delivery services, and customer service. Access to detail routing information is key to any organization's strategic plan.

CanMap RouteLogistics can help you make effective business decisions that can lead to optimizing your organization's routing efficiency, which saves time, and ultimately reduce costs.

### Data Quality Enhancements Include:

- Includes all data quality enhancements indicated for the Canada Directory
- Improved and increased naming and addressing across Canada
- Enhanced positional accuracy and graphic completeness in selected urban areas
- SDC format files are available in the following packaged areas: Canada, Ontario, Quebec, British Columbia, Atlantic Region (PEI, NB, NS, NFL/Lab), Prairies/Central (AL, SK, MB, YK, NWT, NU), and GTA. SDC format files are also available packaged as individual provinces.



Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

## CanMap® RouteLogistics Network Dataset v2007.3



The ArcGIS compatible Network Dataset is built from the CanMap RouteLogistics product to use with ArcGIS Network Analyst 9.x, the network dataset is available in shapefile and geodatabase format. The geodatabase format is **only** functional with ArcGIS 9.2.

The route (rte) file from the standard RouteLogistics product is packaged with the Network Datasets in addition to the routing file used in the network dataset, however, the field structure of new file is different.

The shape-file based network dataset is available in the following geographies: AB, Atlantic (ATLTC), BC, Calgary (CLGRY), Greater Toronto Area (GTA), MB, Montreal (MNTRL), NB, NL, NS, Oakville(OAKVL), ON, (Ottawa/Hull) OTHUL, PE, PRCTL, QC, SK, Vancouver (VNCVR)

The geodatabase format is available in the following geographies: AB, Atlantic (ATLTC), BC, CAN, Calgary (CLGRY), Greater Toronto Area (GTA), MB, Montreal (MNTRL), NB, NL, NS, Oakville (OAKVL), ON, Ottawa/Hull (OTHUL), PE, PRCTL, QC, SK, Vancouver (VNCVR)

## Platinum Postal Suite™

- CanMap® Six Digit Postal Codes (LDU) Boundaries
- CanMap® Multiple Enhanced Postal Codes (MEP)
- CanMap® Forward Sortation Area Boundaries (FSA)
- Postal to Census Translation Table (P2CTT)



**\* A Postal to Census Translation Table is now available by request for PPS product users.**

## CanMap® Six Digit Postal Codes (LDU) Boundary v2007.3

The CanMap Six Digit Postal Code product is a precision-based boundary file of postal codes across Canada. This Six Digit Postal Code product contains postal code polygons positioned to reflect the most representative address. The CanMap Six Digit Postal Code product allows for a 1:1 relationship. For example, a client searching for a specific postal code receives one match for one postal code location.

Data Quality Enhancements Include:

- Postal Codes realigned to CanMap

Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

Field Changes:

- None

**PLEASE NOTE:** The Local Delivery Unit (LDU) Boundary product, as a component of the Platinum Postal Suite (PPS) will not be updated for the August 2007.3 release period.

We anticipate this change will not disrupt your use of the PPS product. Normal quarterly updates and maintenance releases of the LDU Boundaries will resume for the Nov 2007.4 period.

Please if you have any questions or concerns please contact your Account Manager directly or Ellen Williams, Sales Coordinator at: 1-877-477-3684.x 2024 or via email at [info@dmτισpatial.com](mailto:info@dmτισpatial.com) or visit <http://www.dmtispatial.com/pps/>

## CanMap® Multiple Enhanced Postal Codes (MEP) v2007.3

The CanMap Multiple Enhanced Postal Code product is a precision-based point file representing over 1 million postal codes across Canada, with a geographic link to Statistics Canada's standard 2001 Census Boundaries. The Multiple Enhanced Postal Code product allows for a one to many relationships. For example, one postal code may represent more than one postal code location. The reason this file is called 'Multiple' is because in some cases it is necessary to represent a postal code in more than one location. For example, in new subdivisions, one postal code may represent more than one street.

Data Quality Enhancements Include:

- Postal Codes realigned to CanMap Streetfiles v2007.3

Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

Field Changes:

- Addition of four (4) fields from the Canada Post HouseHolder Plus database:
  - CC\_HOUSE – Consumers Choice House Counts
  - CC\_FARMS - Consumers Choice Farm Counts
  - CC\_APART - Consumers Choice Apartment Counts
  - CC\_BUS - Consumers Choice Business Counts

## **CanMap® Forward Sortation Area Boundaries (FSA) v2007.3**

The CanMap® Forward Sortation Area (FSA) Boundary product represents the first three characters of a postal code indicating a specific geographic area. Aligned to nest with CanMap® Six Digit Postal Code and CanMap® Multiple Enhanced Postal Code products, the CanMap® Forward Sortation Area (FSA) Boundary product allows direct marketers and service industries to integrate transactional data with CanMap® Forward Sortation Area Boundaries to define optimal locations for retail presence and define service coverage, sales territories and targeted marketing campaigns.

### Data Quality Enhancements Include:

- Realigned Forward Sortation Area boundaries (FSA) to current Postal Codes

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- None

## **CanMap® Unique Enhanced Postal Codes (UEP) v2007.3**

The Unique Enhanced Postal Code File contains six digit postal codes in Canada. The UEP is more commonly used than the Multiple Enhanced Postal Code File as it allows for a 1:1 relationship, (one postal code match to one postal code location) instead of a one to many relationships. This file contains the postal code; longitude and latitude of each point, 2001 Census population and dwelling counts, and the birth date and retire date of each postal code.

### Data Quality Enhancements Include:

- Postal Codes realigned to CanMap Streetfiles v2007.3

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- None

## Postal to Census Translation Table (P2CTT) v2007.3

The Postal to Census Translation Table (P2CTT) contains explicit and unilateral relationships of 6-digit postal code point geometry to various level of census geography as delineated in the 1996 and 2001 periods. The purpose of the table is to provide a bridge between current Canadian postal code points (MEP, UEP) and historic census geography boundaries.

### Data Quality Enhancements Include:

- File has been synchronized to latest PPS MEP product release

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- None

## Enhanced Points of Interest (EPOI) v2007.3

The Enhanced Points of Interest (EPOI) file is Canada's most comprehensive business and recreational point of interest data for market analysis and location based applications. The file is a national database that contains over 1 million Canadian business and recreational points of interest.

Engineered using CanMap® Streetfiles, each EPOI has been accurately geocoded and precisely placed; two criteria that are fundamental to clients that are utilizing or maintaining a location sensitive service/product offering.

### Data Quality Enhancements Include:

- All EPOI layers geocoded to CanMap Streetfiles v2007.3

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- None

**PLEASE NOTE:** For the February v2008.1 version of the Enhanced Points of Interest (EPOI), there will be feature enhancements with new fields which will be built into the existing product. A BETA testing program running from August through November is available for those users who wish to explore these changes further. Please if you have any questions or concerns please contact your Account Manager directly or Ellen William, Sales Coordinator at: 1-877-477-3684.x 2024.

## CanMap® Parks & Recreation v2007.3

As Canada's first attributed National and Provincial Parks mapping data file, CanMap® Parks & Recreation represents national, provincial, and territorial parks across Canada. It is a combination of attributed boundaries and point features.

This nationwide parks and recreation mapping data product is ideal for customers that require consumer navigation and recreational GPS products information. Organizations utilizing travel and tourism Web applications within their enterprise will find this map data product provides them with a great competitive advantage.

CanMap Parks & Recreation will heighten any organization's analysis of wildlife and environmental studies, infrastructure analysis and planning, and wildlife and environmental risk studies.

### Data Quality Enhancements Include:

- Addition of new parks
- Realignment of Park boundaries
- Increased naming of existing park polygons and points
- Improved accuracy of park boundaries

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- None

## CanMap® Rail v2007.3

CanMap® Rail is Canada's only 1:50,000-scale precision-based railroad network mapping data. Built with the same quality and precision of CanMap, CanMap Rail provides the complete picture of Canada's rail infrastructure currently in operation, including railway lines classified as abandoned.

### Data Quality Enhancements Include:

- Enhanced positional accuracy and graphic completeness in selected urban areas using high resolution satellite imagery

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

None

## CanMap® Populated Placenames (PPN) v2007.3

The Populated Placenames database includes Cities, Towns, Villages, Communities, Boundaries and other records describing 'Populated' places across Canada. Based on the Canadian Geographic Names Database (CGNDB) as well as the toponymic data from the National Topographic Database (NTDB), this data product has been enhanced by more accurately aligning the features in relationship to CanMap® Streetfiles. Each point is flagged with a "Precision" code, which categorizes the feature based on its positional accuracy

### Data Quality Enhancements Include:

- All PPN layers geocoded to CanMap Streetfiles v2007.3

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- New Field – PPN unique identifier

Name: PPN\_ID  
Type: Decimal  
Length: 9.0

## CanMap® Water v2007.3

CanMap® Water represents a very detailed coverage of water features across Canada with over 1,000,000 lakes, rivers and streams. CanMap® Water is engineered from a combination of National Topographic Data Base (NTDB) 1:50,000 and 1:250,000 scale hydrographic mapping data.

### Data Quality Enhancements Include:

- Increased accuracy of water polygons in western Canada provinces (BC, AB, SK, MB, NT and YT) updated from 1:250,000 to 1:50,000 scale.
- Increased name attribution of existing water polygons

### Metadata (ISO 19115 Compliant):

The v2006.3 release of this product will include support for structured metadata in supporting XML and HTM files.

### Field Changes:

None

## GeoPinpoint™ Suite v2007.3

GeoPinpoint™ Suite positions your data using a powerful and innovative geo-location process called geocoding. GeoPinpoint Suite attaches X and Y coordinates to your facility, customer, or prospect address data for map visualization, analysis or location based applications. The GeoPinpoint Suite takes advantage of a new modular design that allows the software to encompass future module enhancements without jeopardizing its performance or usability.

### Data Quality Enhancements Include:

- The geo-reference database will be released containing CanMap Streetfiles v2007.3, CanMap Platinum Postal Suite v2007.3

### Metadata (ISO 19115 Compliant):

The v2007.3 release of this product will include support for structured metadata in supporting XML and HTM files.

### Field Changes:

- None

### Functionality added as of (May GPP v2007.2):

- **Input custom soundex tolerance**

In previous releases, GeoPinpoint included a soundex function; however, the user did not have control over the tolerance to which the soundex was operating on (a default value of 65 was set, which reflects a suitable tolerance for name matching). This new feature allows the user to input a custom tolerance value for soundex geocoding.

The user can input any two digit number as a tolerance value (1-99). '99' reflects a match that is closer to an exact name match, and '1' reflects a match that is far from an exact name match.

- **Return actual address number when geocoded for closest or opposite function**

When using the closest or opposite geocoding function in previous releases of GeoPinpoint, the user could not distinguish the actual street address to which a record geocoded.

The latest build provides the user with the option of adding a new column to their database called 'ActAddNum', which will output the actual address number to which a closest or opposite record geocoded.

- **Soundex (Partial name)**

To enhance the usability of the POI partial name geocoder, DMTI has included soundex geocoding for the POI partial name. To activate this function, the user must select the 'streetname' soundex to make partial name POI matches with soundex.



- **Municipality Soundex**

Previously, soundex geocoding for street data only included street name soundexing. DMTI is now proud to announce that it has developed a municipality soundexing function to geocode to street data. This feature provides a 'relaxed' way to geocode to street addresses where a municipality could have been input incorrectly. Municipality geocoding also works with the new input custom soundex tolerance feature that was developed for this release.

- **Zero Address Geocoder (output total segment(s) length)**

The zero address geocoding function provides the ability to geocode to street segments where there is street name information but no street address information. This functionality has now been enhanced to include a field that outputs the total meter distance of zero address street segments with that street name, with the user defined input specifications.

This enhancement will help provide users with more detailed street information, allowing them to make better business decisions.

If the user selects the geocoding path,

Segment Geocoder >> Use Address >> To Zero Street Segments

they will be prompted to add a column to their database called 'TotalDistZeroStSegs(m)'. If a record geocodes to an unaddressed street segment, the field will be populated with the total distance of all the unaddressed segments for that street name; not to be confused with the individual segment length for the particular segment that it gets geocoded to.