

Transportation Tomorrow Survey Software

Transportation Tomorrow Survey Software (TTSS)

- Transportation Tomorrow Survey Software (TTSS) is a custom-made software package used to carry out all aspects of the survey from sample management, to interviewing, coding, and post-processing tasks.
- Created for the 2006 survey, it was updated for the 2011 survey.
- No changes to its function for 2016 other than removing web interview option.
- TTSS comprised of six external modules built around a Sample Management System (SMS) backend.

Transportation Tomorrow Survey Software (TTTS)

➤ TTSS comprised of:

- Sample Management Software (SMS) (backend)
- Administration Console (AC)
- Direct Data Entry Console (DDE)
- Monitoring Console (MC)
- Geocoding Console (GC)
- Reference Data Update Module (REF)
- Post-Processing Module

Sample Management Software (SMS)

- Backend for TTSS
- Not directly accessed by users. Accessed through Administration Console and other modules
- Used to manage survey household samples
- Uses processing rules to determine which individual and class of users have access to specific samples
 - E.g.: can be used to hold back new interviewing sample until pre-interviewing letters have reached households or for assigning different geographical areas to specific coders
- Used to search for specific sample.

Sample Management Software (SMS) (cont'd)

- Carries out nightly transition (at 2 AM) whereby:
 - Performance statistics and reports are generated
 - Batch geocoding is completed
 - Suitable sample progresses through the various sample states to completion: i.e interviewing to reviewing, reviewing to geocoding, geocoding to post-processing.

Administration Console (AC)

- One of the applications through which the SMS is accessed.
- Used by the management team.
- Provides easy to use interface for accessing all administrative functions such as:
 - Assigning users to specific groups/roles: management, interviewers, foreign language interviewers, supervisors, geocoders etc.
 - Turning on and off mailing blocks for interviewing
 - Assigning different interview date if necessary
 - Generating reports
 - Displaying historic transactions on individual survey records
 - Allocating interview staff to interview stations
 - Displaying status of geocoding sample by coding zone

Direct Data Entry (DDE)

- Used by the interviewers and reviewers to access individual samples for phone interview or review editing
- Allows the interviewer to enter collected survey information and progress through the proper sequence of the TTS questionnaire to complete interviews
- Allows interviewer to schedule call-back times for incomplete surveys
- Contains built-in validation and logic checks to ensure the validity of information entered e.g.: checks that transit routes entered for a trip connect, person is old enough to have a drivers license etc.
- Allows reviewers (after confirmation via callback or clarification) to correct or add missing information to households which were previously incomplete
- Doubles as the Post-Processing Module

Monitoring Console (MC)

- Used by the team leaders and supervisors to visually monitor the live interviewing DDE for quality control purposes.
- Used in conjunction with audio monitoring of the live interview.
- Specific interviewers can be chosen for monitoring based on workstation or id number.
- Used by geocoding supervisor to monitor live geocoding.
- Installed only on the supervisor workstations.

Geocoding Console (GC)

- Used by the coders to add coordinates to previously un-coded survey locations.
- Highlights un-coded locations and gives coders the options to code the locations using street addresses, intersections or a set monument and school file.
- Allows coders to examine historic representations of the household.

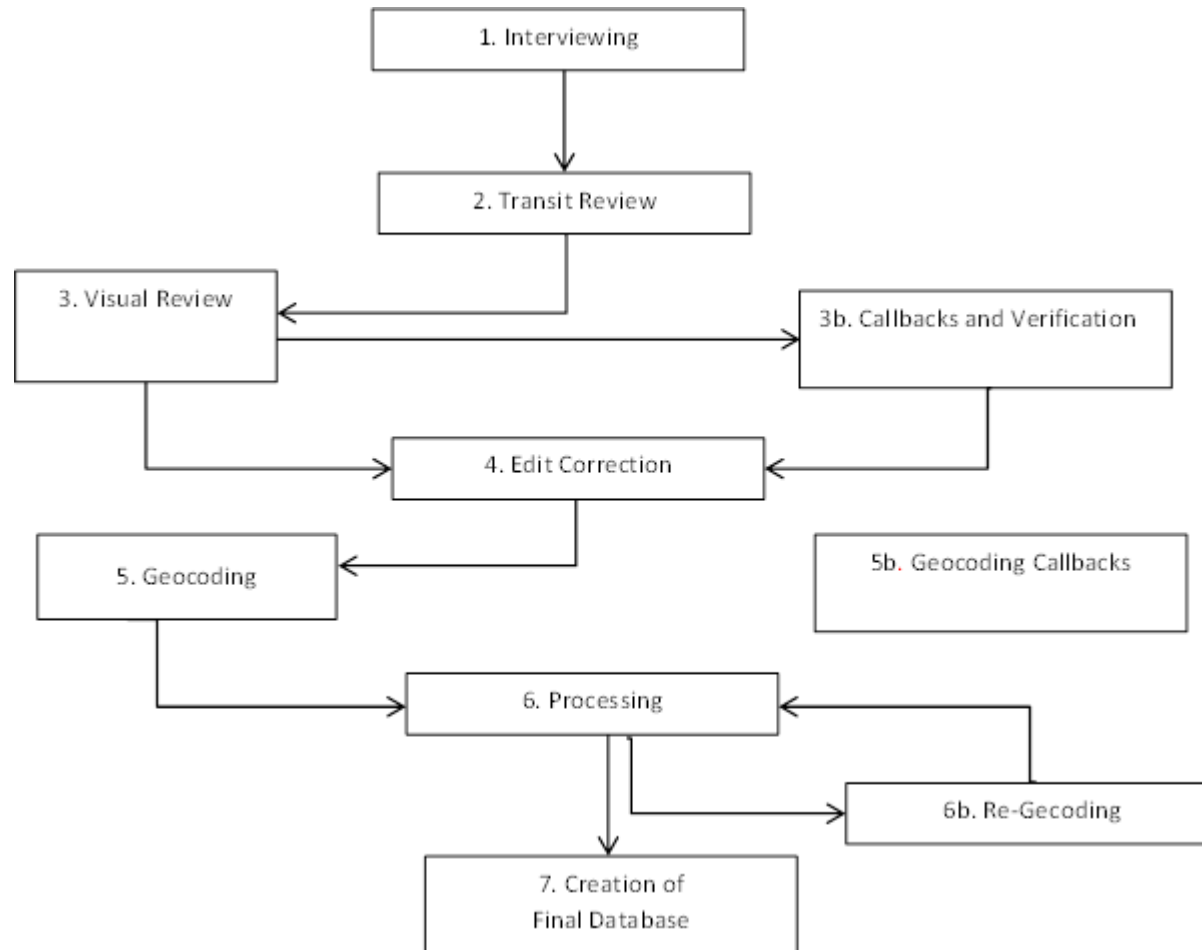
Reference Data Update (REF)

- Allows the geocoding supervisor to update the school and monument databases used in the DDE and GC.
- Connected to a map interface which allows the user to see the location of a newly added and coded location in space to avoid error.
- Used by coders to determine whether new schools and monuments that they have discovered have already been added to the pending database additions.

Post-Processing Module

- DDE becomes the Post-Processing module in post processing.
- Used by post-processing staff.
- Shows a list of the errors and the number of samples with each error.
- Allows users to select households with errors in an attempt to work through the collected information and fix errors.

TTS Processes



TTS Process Software Uses

1. Interviewing
 - AC to assign sample to specific interviewers, turn on and off mailing blocks, generate reports
 - DDE to conduct interview
 - MC to monitor interview
2. Transit Review
 - PDF files generated from interviewing phase
3. Visual Review
 - PDF files generated from interviewing phase

TTS Process Software Uses

3b. Callbacks and Verification

- DDE to callback household
- MC to confirm callbacks actually take place

4. Edit Corrections

- DDE to make changes or add information to households
- AC to pass completed surveys to geocoding phase

TTS Process Software Uses

5. Geocoding

- Geocoding console to assign coordinates to uncoded locations
- Reference Data Update software to add new schools and monuments to database
- Administrative Console:
 - pass completed households to Post-Processing
 - Assign different geozones to individual geocoders
 - Create reports on Geocoders statistics
- Monitoring Console for supervisors to monitor live geocoding as necessary

TTS Process Software Uses

5.B Geocoding Callbacks

- DDE to callback household
- GC to make coding changes after callback

6. (Post) Processing

- AC to assign households to users
- DDE /Post Processing Module – to work through households and fix errors

6.b Re-Geocoding

- GC to make coding changes

TTS Process Software Uses

7. Creation of Final Database
 - Database dump from SMS

Additional Information on Software

- 2006 TTS: Design and Conduct of the Survey: Section 3 Software Development
<http://dmg.utoronto.ca/pdf/tts/2006/conduct2006.pdf>
- 2006 TTS Working Paper Series: Interview Manual
<http://dmg.utoronto.ca/pdf/tts/2006/interview2006.pdf>
- 2006 TTS Working Paper Series: Coding Manual
<http://dmg.utoronto.ca/pdf/tts/2006/geocode2006.pdf>
- 2011 TTS: Design and Conduct of the Survey: Section 3 Software Development
<http://dmg.utoronto.ca/pdf/tts/2011/conduct2011.pdf>

Geocoding Console

Geocoding

- Geocoding is the process by which x-y coordinates are assigned to the location information collected in the TTS
- TTS information is checked for accuracy by the daytime visual editors and the reviewers before it can be passed to geocoding

Geocoding

- Location information collected by interviewers can be classified as three types:
 - Addresses: Street Addresses including street number, street name and municipality e.g. 500 University Ave, Toronto
 - Intersections: The two cross streets and the municipality e.g. College St & Yonge St, Toronto
 - Monuments: A name of a location or a detailed description of its location e.g. Union Station, Toronto or Metro Supermarket near College & Ossington Ave, Toronto

Geocoding

- There are two types of geocoding processes:
 - **Batch geocoding**
 - ☐ An automated process carried out in an attempt to geocode as many locations as possible.
 - ☐ Uses the TTS databases to look for exact matches to information in the completed interviews
 - **Manual geocoding**
 - ☐ A coder uses the Geocoding Console (GC) as well as the internet, phone book and any reference material to find coordinates for an locations not coded in the batch process

Geocoding Console (GC)

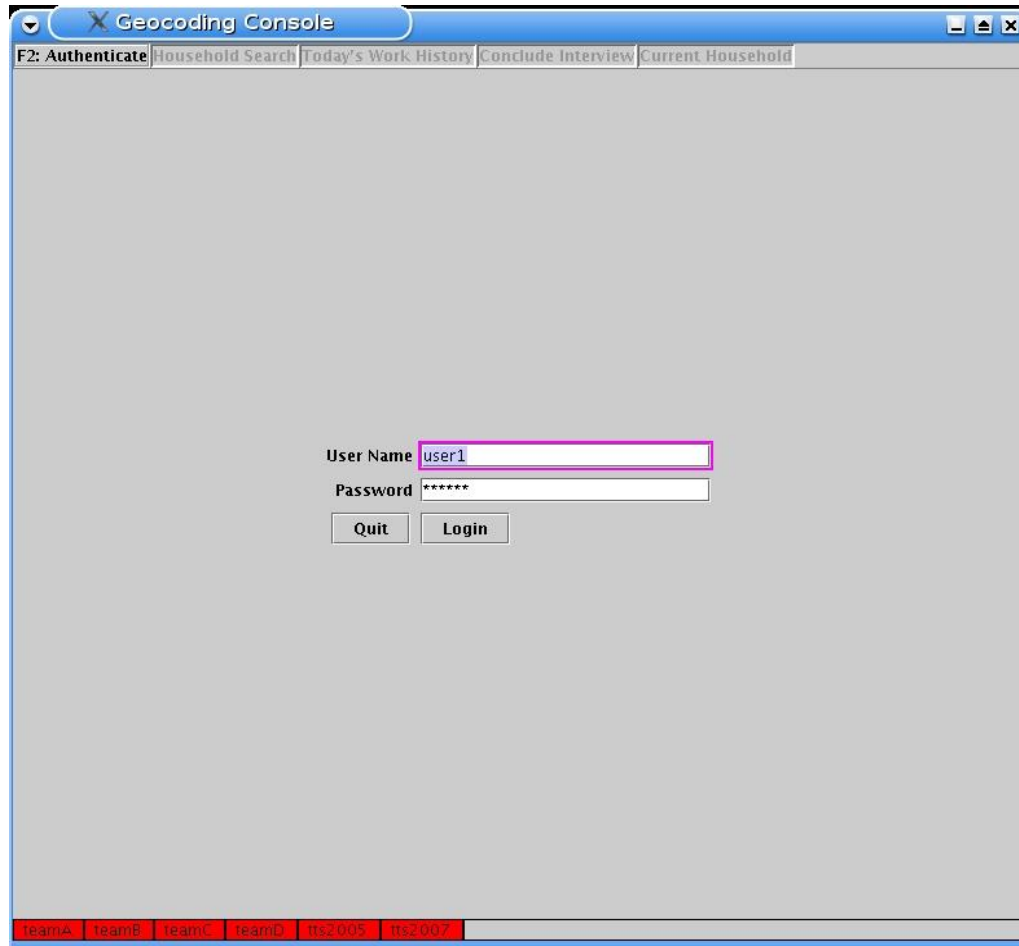
- Used by the coders to add coordinates to previously un-coded survey locations.
- Highlights un-coded locations and gives coders the options to code the locations using street addresses, intersections or a set monument and school file.
- Allows coders to examine historic representations of the household.

Geocoding Console (GC)

- The Geocoding Console contains 5 separate tabs:
 - Authenticate
 - Household Search
 - Today's work history
 - Conclude Interview
 - Current Household

Authenticate tab

- Used to log into and out of the GC



The screenshot shows a web application window titled "Geocoding Console". The window has a blue header bar with the title and standard window controls. Below the header is a tabbed interface with five tabs: "F2: Authenticate" (selected), "Household Search", "Today's Work History", "Conclude Interview", and "Current Household". The main content area is a light gray rectangle. In the center of this area is a login form. The form has two labels: "User Name" and "Password". The "User Name" input field contains the text "user1" and is highlighted with a pink border. The "Password" input field contains six asterisks "*****". Below the input fields are two buttons: "Quit" and "Login". At the bottom of the window, there is a status bar with a red background and white text. It contains several labels: "teamA", "teamB", "teamC", "teamD", "ts2005", and "ts2007".

Household Search tab

The screenshot shows a web application window titled "Geocoding Console teamA rb503". The interface has a tabbed menu at the top with the following tabs: "Authenticate", "F2: Household Search" (which is the active tab), "Today's Work History", "Conclude Interview", and "Current Household". The main content area is a light gray rectangle. In the center of this area, there is a "User Type:" label followed by a dropdown menu showing "GEOCODER". Below this is a "Search Index:" label followed by an empty text input field. A button labeled "Get Household" is highlighted with a pink rectangular border. Below the "Get Household" button is another button labeled "Household History". At the bottom of the window, there is a horizontal bar with several green buttons labeled "teamA", "teamB", "teamC", "teamD", "tts2005", and "tts2007".

Geocoding Console teamA rb503

Authenticate F2: Household Search Today's Work History Conclude Interview Current Household

User Type: GEOCODER ▼

Search Index:

Get Household

Household History

teamA teamB teamC teamD tts2005 tts2007

Household Search Tab

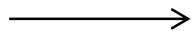
- Households can be specifically selected for coding by entering an id number or the household phone number.
- By leaving the search index box empty and clicking on Get Household, randomly assigned households will be selected for coding.
- Clicking the Household History button will bring up a new window in which the user can examine a snapshot of the specific states a household has been through in its history to that point.
 - This is useful for coders as information can sometimes be changed in review, which may be useful to the coding process

Today's work history tab

- Similar to the tab in the DDE software this tab (no screenshot available):
 - Gives a list of all of the households accessed in GC by the current user
 - Contains information on the household id, the time the household was last accessed and the current state of the household
 - Current state of the household includes: whether all locations are coded, the household is rejected in geocoding, it requires a callback, or it requires an update to the reference information.
- Clicking on any household gives the user the option to reopen that household

Current Household tab

section 1



Geocoding Console testingSMS Geocoding Console: rb503

Authenticate Household Search Today's Work History Conclude Interview **F2: Current Household**

NOBODY1056 777 BAY ST TORONTO 123-1056
 Household ID: 221282 Trip Date: Mon 17 Mar 2008 Dwelling Type: A Language: English
 People: 2 Vehicles: 1

#	Label	Age	Sex	Lic	Pas	E...	Occ	Type	Work	Stu	Typ	School
1	Respondent	42	M	Y	M	F	P	M	TOWN CENTRE SCARBOROUGH, TORONTO	N		

F3: Trips Transit Routes

F6: next location - F7: find reference owner - F8: next error location - F9: previous location/reference - F10: reselect current location/reference - F11: mark c

Per#	Trp#	Time	Purp	Mode	Type	Original	Type	Current
-	HOME				A	777 BAY ST, TORONTO	A	777 BAY ST, TORONTO
1	WORK				M	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	M	TOWN CENTRE SCARBOROUGH, TORONTO
1	ORGN				HA	777 BAY ST, TORONTO	HA	777 BAY ST, TORONTO
1	1	730a	W	D	WM	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	WM	TOWN CENTRE SCARBOROUGH, TORONTO
1	2	1240p	M	D	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...

Original Location

Location Type: Address

Number: 777

Street Name: BAY ST

Municipality: TORONTO

Listing Type: ONLINE

Source Type: STREET

Coordinate: (630172, 4835467)

F4: New Current Location

Location Type: Address

Number: 777

Street Name: BAY ST

Municipality: TORONTO

Listing Type: ONLINE

Source Type: STREET

Coordinate: (630172, 4835467)

Update Clear Restore

Error Table

Error Message(s)

List Monument List School List Intersection List Places Within Survey Area List Places Beyond Survey Area F5: List Street Range

Munic: N STARTING Street: N ANY Number: EXACTLY Search

Street Name	L Start	L End	R Start	R End	X Street	Municipality	CSD	Start Coord	End Coord	Ar...
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Current Household (section 1)

- For simplicity, we will divide the Current Household page into 4 sections.
- **Section 1 (top)**
 - Shows some general household and person information for the current household which can be used as reference information.
 - The codes listed for the various fields are referenced in the interview manual
<http://dmg.utoronto.ca/pdf/tts/2006/interview2006.pdf> and also the 2011 TTS data guide
<http://dmg.utoronto.ca/pdf/tts/2011/dataguide2011.pdf>
 - Not editable by coders

Current Household (section 2)

Section 2 →

Geocoding Console testingSMS Geocoding Console: rb503

Authenticate Household Search Today's Work Histor Conclude Interview **F2: Current Household**

NOBODY1056 777 BAY ST TORONTO 123-1056
Household ID: 221282 Trip Date: Mon 17 Mar 2008 Dwelling Type: A Language: English
People: 2 Vehicles: 1

#	Label	Age	Sex	Lic	Pas	E...	Occ	Typ	Work	Stu	Typ	School
1	Respondent	42	M	Y	M	F	P	M	TOWN CENTRE SCARBOROUGH, TORONTO	N		

F3: Trips Transit Routes

F6: next location - F7: find reference owner - F8: next error location - F9: previous location/reference - F10: reselect current location/reference - F11: mark c

Per#	Trp#	Time	Purp	Mode	Type	Original	Type	Current
-	HOME				A	777 BAY ST, TORONTO	A	777 BAY ST, TORONTO
1	WORK				M	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	M	TOWN CENTRE SCARBOROUGH, TORONTO
1	ORGN				HA	777 BAY ST, TORONTO	HA	777 BAY ST, TORONTO
1	1	730a	W	D	WM	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	WM	TOWN CENTRE SCARBOROUGH, TORONTO
1	2	1240p	M	D	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...

Original Location

Location Type: Address

Number: 777

Street Name: BAY ST

Municipality: TORONTO

Living Type: ONLINE

Street Type: STREET

Coordinate: (630172, 4835467)

F4: New Current Location

Location Type: Address

Number: 777

Street Name: BAY ST

Municipality: TORONTO

Living Type: ONLINE

Street Type: STREET

Coordinate: (630172, 4835467)

Update Clear Restore

Error Table

Error Message(s)

List Monuments List Schools List Intersections List Places Within Survey Area List Places Beyond Survey Area F5: List Street Range

Munic: N STARTING Street: N ANY Number: EXACTLY Search

Street Name	L Start	L End	R Start	R End	X Street	Municipality	CSD	Start Coord	End Coord	Ar...
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Current Household (section 2)

➤ Section 2

- Contains two tabs: Trips and Transit Routes

➤ Trips Tab

- Shows collected location information for home address, and school location, work location and location of trips
- Information includes person #, trip #, time of trip (only for trip locations), trip purpose, trip mode, coding type, original and current
 - Coding type is a one or two word code representing the type of location information recorded.

Current Household (section 2)

➤ Trips tab (cont'd)

- Coding type examples

- ☐ M Monument

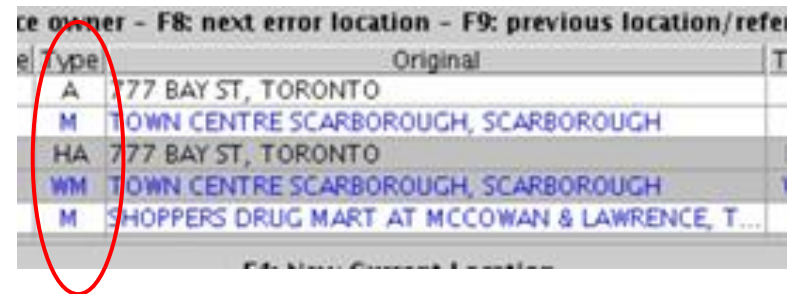
- ☐ I intersection

- ☐ A Address

- ☐ WM Workplace coded as a monument

- ☐ HA Home coded as an address

- ☐ XA, XM, XI – the first letter X means the location is linked to another location recorded previously in the current household and the second letter is the way it was coded: A – address, M monument etc.



The screenshot shows a table with columns for 'Type' and 'Original'. The 'Type' column contains codes: A, M, HA, WM, and M. The 'Original' column contains corresponding location names. A red circle highlights the 'Type' column.

Type	Original
A	777 BAY ST, TORONTO
M	TOWN CENTRE SCARBOROUGH, SCARBOROUGH
HA	777 BAY ST, TORONTO
WM	TOWN CENTRE SCARBOROUGH, SCARBOROUGH
M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...

Current Household (section 2)

➤ Trips Tab (cont'd)

- Original
 - ☐ The last location information recorded in the household file prior to it being sent to coding
- Current
 - ☐ The current location information as it exists in the household
 - ☐ This is the field that changes when geocoding occurs

Current Household (section 2)

➤ Trips Tab (cont'd)

- The Trip tab is colour coded
 - Black Text represent already coded households
 - Blue Text represents locations in need of coding
 - White background represents the first occurrence of a particular location
 - Grey background represents locations linked to others in the survey and which cannot be directly geocoded
- **Coding can only be done on locations which have blue text and a white background**
- **A household is completely coded when all blue coloured text is now black**

Current Household (section 2)

➤ Trips Tab (cont'd)

Annotations:

- Already coded (points to row 1)
- Needs coding (points to row 2)
- Already coded, linked to previous occurrence of same location (points to row 3)
- Not directly coded but linked to the first occurrence of the same location and will be changed when that one is coded (points to row 4)

ce owner - F8: next error location - F9: previous location/refer			
e	Type	Original	T
	A	777 BAY ST, TORONTO	
	M	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	
	HA	777 BAY ST, TORONTO	
	WM	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	
	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...	
F4: New Current Location			

Current Household (section 2)

➤ Trips Tab (cont'd)

- At the top of the trip information there is also a list of shortcut keys that can be used to speed up geocoding. For example:
 - ☐ F8 Allows access to the next uncoded location
 - ☐ F7 allows one to find the original reference to a location currently selected
 - ☐ A list of the other shortcut keys is given on page 9 of the 2006 Coding Manual
<http://dmg.utoronto.ca/pdf/tts/2006/geocode2006.pdf>

Current Household (section 2)

➤ Transit Route Tab

- If transit was used as the mode for trip to the current location being worked on then this tab will show the transit routes, access and egress information for that trip.
- This can sometimes come in handy when trying to determine locations.

Current Household (section 3)

Geocoding Console testingSMS Geocoding Console: rb503

Authenticate Household Search Today's Work History Conclude Interview **F2: Current Household**

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Household ID: 221282 Trip Date: Mon 17 Mar 2008 Dwelling Type: A Language: English
People: 2 Vehicles: 1

#	Label	Age	Sex	Lic	Pas	E...	Occ	Type	Work	Stu	Typ	School
1	Respondent	42	M	Y	M	F	P	M	TOWN CENTRE SCARBOROUGH, TORONTO	N		

F3: Trips Transit Routes

F6: next location - F7: find reference owner - F8: next error location - F9: previous location/reference - F10: reselect current location/reference - F11: mark c

Per#	Trp#	Time	Purp	Mode	Type	Original	Type	Current
-	HOME				A	777 BAY ST, TORONTO	A	777 BAY ST, TORONTO
1	WORK				M	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	M	TOWN CENTRE SCARBOROUGH, TORONTO
1	ORGN				HA	777 BAY ST, TORONTO	HA	777 BAY ST, TORONTO
1	1	730a	W	D	WM	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	WM	TOWN CENTRE SCARBOROUGH, TORONTO
1	2	1240p	M	D	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...

Original Location

Location Type: Address

Number: 777

Street Name: BAY ST

Municipality: TORONTO

Living Type: ONLINE

Street Type: STREET

Coordinate: (630172, 4835467)

F4: New Current Location

Location Type: Address

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Street Name	L Start	L End	R Start	R End	X Street	Municipality	CSD	Start Coord	End Coord	Ar...
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Section 3 →

Current Household (section 3)

- Section 3
 - Divided into 3 vertical sections
 - Original Location
 - New Current Location
 - Error Table

Current Household (section 3)

- **Original Location**
- When a location is selected for coding this shows the information related to the originally coded location including
 - Location type
 - Coding type – How the location was coded
 - ☐ Online – batch coded
 - ☐ Manual – coded by a geocoder
 - ☐ Uncoded
 - X-Y Coordinates

Current Household (section 3)

➤ New Current Location

- This section allows users to geocode the current location
- Location type can be changed so that for example a monument may be coded to an address or intersection

Current Household (section 3)

➤ New Current Location (cont'd)

- Users can
 - ☐ Update: Will move the information in this section and fill in the blue text locations located above in Section 2 hence facilitating geocoding.
 - ☐ Clear: Clears all contents from the text boxes in this section
 - ☐ Restore: Changes current content of text boxes to their original pre-coded state
 - ☐ Fill in: takes the current info in this section and fills it into section 4 for manipulation.

Current Household (section 3)

➤ Error Table

- Shows a list of error messages generated for the location being presently coded. These error messages describe the reason why the locations could not be batch coded. Examples of the error messages generated include:
 - ☐ Coordinates missing
 - ☐ Streets do not intersect
 - ☐ Municipality not found in reference database

Current Household (section 4)

Geocoding Console testingSMS Geocoding Console: rb503

Authenticate Household Search Today's Work History Conclude Interview **F2: Current Household**

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Household ID: 221282 Trip Date: Mon 17 Mar 2008 Dwelling Type: A Language: English
People: 2 Vehicles: 1

#	Label	Age	Sex	Lic	Pas	E...	Occ	Type	Work	Stu	Typ	School
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F3: Trips Transit Routes

F6: next location - F7: find reference owner - F8: next error location - F9: previous location/reference - F10: reselect current location/reference - F11: mark c

Per#	Trp#	Time	Purp	Mode	Type	Original	Type	Current
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1	WORK				M	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	M	TOWN CENTRE SCARBOROUGH, TORONTO
1	ORGN				HA	777 BAY ST, TORONTO	HA	777 BAY ST, TORONTO
1	1	730a	W	D	WM	TOWN CENTRE SCARBOROUGH, SCARBOROUGH	WM	TOWN CENTRE SCARBOROUGH, TORONTO
1	2	1240p	M	D	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...	M	SHOPPERS DRUG MART AT MCCOWAN & LAWRENCE, T...

Original Location

Location Type: Address

Number: 777

Street Name: BAY ST

Municipality: TORONTO

Listing Type: ONLINE

Source Type: STREET

Coordinate: (630172, 4835467)

F4: New Current Location

Location Type: Address

Number: 777

Street Name: BAY ST

Municipality: TORONTO

Listing Type: ONLINE

Source Type: STREET

Coordinate: (630172, 4835467)

Update Clear Restore

Error Table

Error Message(s)

List Monument List School List Intersection List Places Within Survey Area List Places Beyond Survey Area **F5: List Street Range**

Munic: N STARTING Street: N ANY Number: EXACTLY Search

Street Name	L Start	L End	R Start	R End	X Street	Municipality	CSD	Start Coord	End Coord	Ar...
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Section 4 →

Current Household (section 4)

- **Section 4**
- This section gives users access to the reference data files in order to geocode locations
- Six reference databases are available for coding via separate tabs. These are
 - Monument
 - Schools
 - Intersection
 - Places within the Survey Area
 - Places beyond the Survey Area
 - Street Ranges (street address information)

Current Household (section 4)

- **Section 4 (cont'd)**
- Information is
 - Then manipulated to effect coding
 - For example, if the Town Centre Scarborough monument location from section 2 was selected into section 3 and filled in to section 4 we would be able to manipulate the monuments list and search to see if there is a monument that fits the description. Once a suitable monument match was found, clicking on it would allow it to be imported into the New Current Location tab in section 3 for coding.

Conclude Interview

Geocoding Console testingSMS Geocoding Console: rb503

Authenticate Household Search Today's Work History **F2: Conclude Interview** Current Household

Past Comments (F10: To Browse)

Date/Time	User	Survey State	Completion Code	Comments
May 09 at 03...	rb503	GEOCODING	Coding Incomplete	
Apr 17 at 04:...	rb503	GEOCODING	Coding Incomplete	
Mar 18 at 04...	sms	GEOCODING	Coding Required	in-geocoding-batch

Household Comments (F1: Return To Previous Location)

[View Current Sample Transaction History](#)

Last Completion Code: **Coding Incomplete**

Completion Code: **Coding Incomplete**

[Conclude Interview](#)

Validation Errors (F11: To Browse)

Person	Trip	Route	Station	Screen	Question	Type	Error
1	2	-	-	Trip	DestinationLocation	G	Destination: Coordinate is missing.
1	4	-	-	Trip	DestinationLocation	V	Destination: The intersection give...
1	6	-	-	Trip	DestinationLocation	G	Destination: Coordinate is missing.
1	6	-	-	Trip	DestinationLocation	V	Destination: The streets given do ...
2	3	-	-	Trip	DestinationLocation	G	Destination: Coordinate is missing.
2	3	-	-	Trip	DestinationLocation	V	Destination: Municipality not found...

testingSMS Found (198) matching rows.

Conclude Interview

➤ Conclude Interview

- After coding is complete the Conclude interview tab is used to close the current household
- If any of the previously uncoded locations have not been coded the software will not allow the user to mark the interview as complete
- This tab also allows the user to add comments to the household and set household status to “callback required” if there is too little information to code a location
- A list of completion codes for coding is given on page 14 of the 2006 Coding manual
- Validation errors show a list of errors remaining for the household. All errors listed may not be coding related

Coding Procedure

➤ The full Coding Procedure is:

- Get Household
- All locations requiring coding will be shown in the Trips tab (Section 2 of the Current Household tab) as blue text on a white background
- Select the first location to code using F8
- This location's info will be shown in the New Current Location box (Section 3)
- Use this box to change the information and location type as necessary
- Fill in to get the information to the reference databases (Section 4)

Coding Procedure

➤ Coding Procedure (cont'd)

- Use the List of Monuments, schools, street range databases etc. to get valid coordinates for a location
- Use update to get this info to the Trips tab. If the selected information has valid coordinate data the text will change from blue to black signifying a successful geocode
- Move to the next location to be coded using F8 and repeat procedure
- When all locations are coded conclude interview.

Reference Data Update Module (REF)

Reference Data Update (REF)

- Allows the geocoding supervisor to update the school and monument databases used in the DDE and GC.
- Connected to a map interface which allows the user to see the location of a newly added and coded location in space to avoid error.
- Used by coders to determine whether new schools and monuments that they have discovered have already been added to the pending database additions.

Reference Data Update (REF)

- The Reference Data Update is accessed by the links on the left hand side. These links are
 1. Search for schools and monuments
 2. Geocode Address
 3. View pending data on Map
 4. Add New School
 5. Add New Monument
 6. Manage School
 7. Manage monument
 8. (No link- Available for future development)
 9. Log Out

Reference Data Update (REF)

➤ 1. Search for Schools and Monuments.

10.0.253.2:8885 x New Tab x

10.0.253.2:8885

Reference Data Update System

Logged in as: rb503

1. Search For Schools and Monuments
2. Geocode Address
3. View Pending Data on Map
4. Add New School
5. Add New Monument
6. Manage Schools
7. Manage Monuments
8.
9. Log out

Name: Any(%String%)
Street Number: Any(%String%)
Street Name: Any(%String%)
Municipality: Any(%String%)

Check the box/boxes where you would like to have a look.
☒ Production School ☒ Production Monument ☒ Pending School ☒ Pending Monument

Production School Search Results
Edit Selected School | Delete Selected School

Showing 1 to 15 of 5731

	School Name	School Code	Address	CSD	Coordinates	Survey Area
<input type="radio"/>	LUMEN CHRISTI ELEMENTARY CATHOLIC SCHOOL	E0213	841 SAVOLINE BLVD MILTON	MILTON	(591092,4815258)	E
<input type="radio"/>	ST ANTHONY OF PADVA CATHOLIC ELEMENTARY SCHOOL	E0214	1240 TUPPER DR MILTON	MILTON	(592650,4820072)	E
<input type="radio"/>	PETER LYMBURNER ROBERTSON PUBLIC SCHOOL	E0215	840 SCOTT BLVD MILTON	MILTON	(591360,4815565)	E
<input type="radio"/>	COPELAND PUBLIC SCHOOL	E0216	5 YOUNG DR BRAMPTON	BRAMPTON	(599775,4833785)	D
<input type="radio"/>	BISHOP REDING CATHOLIC SECONDARY SCHOOL	E0217	1600 MAIN ST E MILTON	MILTON	(592506,4821280)	E
<input type="radio"/>	AL HUDA INSTITUTE CANADA	E0218	5671 MCADAM RD MISSISSAUGA	MISSISSAUGA	(608041,4831073)	D
<input type="radio"/>	LINC - CIVIC CENTRE	E0219	385 THE WEST MALL TORONTO	TORONTO	(615681,4833145)	A
<input type="radio"/>	HEWITT'S CREEK PUBLIC SCHOOL	E0221	41 SANDRINGHAM DR BARRIE	BARRIE	(609872,4912662)	K
<input type="radio"/>	HILL ACADEMY	E0222	2600 RUTHERFORD RD VAUGHAN	VAUGHAN	(619198,4854592)	C
<input type="radio"/>	ECOLE SECONDAIRE ROMEO DALLAIRE	E0223	736 ESSA RD BARRIE	BARRIE	(602328,4908764)	K
<input type="radio"/>	PETITE MAISON MONTESSORI	E0224	126 OCONNOR DR TORONTO	TORONTO	(632901,4839134)	A
<input type="radio"/>	TRANSPORT TRAINING CENTRE CANADA	E0225	1818 HOPKINS ST WHITBY	WHITBY	(667752,4858660)	B
<input type="radio"/>	LOGISTICS INSTITUTE	E0226	160 JOHN ST TORONTO	TORONTO	(619783,4840170)	A
<input type="radio"/>	INSTITUTE OF TRADITIONAL MEDICINE	E0227	553 QUEEN ST W TORONTO	TORONTO	(628997,4833988)	A
<input type="radio"/>	HOWLETT ACADEMY	E0228	15 MADISON AVE TORONTO	TORONTO	(628788,4836161)	A

Production Monument Search Results
Edit Selected Monument | Delete Selected Monument

Showing 1 to 15 of 3896

Version	Name	Address	CSD	Coordinates	Survey Area
<input type="radio"/> 6097	HOME HARDWARE - FENNEL/UPPER GAGE	975 FENNEL AVE HAMILTON	HAMILTON	(594403,4786795)	F
<input type="radio"/> 5937	YONGE DUNDAS SQUARE	40 DUNDAS ST E TORONTO	TORONTO	(630672,4834995)	A
<input type="radio"/> 6100	BRAMPTON FIRE AND EMERGENCY SERVICES - STATION 208	120 FERNFOREST DR BRAMPTON	BRAMPTON	(600438,4843603)	D
<input type="radio"/> 6103	QUALITY HOTEL AND CONFERENCE CENTRE	5807 FERRY ST NIAGARA FALLS	NIAGARA FALLS	(655364,4772550)	G
<input type="radio"/> 6107	LAURA'S NO FRILLS	3445 FIELDGATE DR MISSISSAUGA	MISSISSAUGA	(613814,4831112)	D
<input type="radio"/> 6108	VAUGHAN FIRE & RESCUE SERVICE - STATION 7-5 (WOODBIDGE)	2 FIELDSTONE AVE VAUGHAN	VAUGHAN	(616730,4849943)	C
<input type="radio"/> 45492	165 YORK BLVD	165 YORK BLVD RICHMOND HILL	RICHMOND HILL	(630523,4856247)	C
<input type="radio"/> 45493	590 E RIVER RD	590 E RIVER RD SOUTH DUMFRIES	SOUTH DUMFRIES	(553700,4792000)	N
<input type="radio"/> 6053	SPORTCHEK (ERIN MILLS TOWN CENTRE)	5100 ERIN MILLS PKY MISSISSAUGA	MISSISSAUGA	(603917,4823513)	D
<input type="radio"/> 6056	MICHAEL-ANGELOS	4099 ERIN MILLS PKY MISSISSAUGA	MISSISSAUGA	(605934,4822850)	D
<input type="radio"/> 6059	TORONTO FIRE SERVICES - STATION 116	1 ESTHER SHINER BLVD TORONTO	TORONTO	(631166,4847430)	A
<input type="radio"/> 6069	BURLINGTON FIRE DEPARTMENT - STATION 1 (FIRE HEADQUARTERS)	1255 FAIRVIEW ST BURLINGTON	BURLINGTON	(595856,4798280)	E
<input type="radio"/> 45494	10 PINE DR	10 PINE DR GUELPH	GUELPH	(560109,4823626)	M

4:12 PM
22/12/2015

Reference Data Update (REF)

➤ 1. Search for Schools and Monuments

- Used to search the Production and Pending databases for schools and monuments
 - ☐ Production databases – Those in use by the Interviewers and Geocoders
 - ☐ Pending databases – Additional schools/monuments already discovered but not yet added to the Production databases
- Searches can be performed on any combination of information entered in the Name, Street Number, Street Name and Municipality textboxes
- The databases to be searched are selected from the checkboxes

Reference Data Update (REF)

➤ 1. Search for Schools and Monuments

- Example of search using the Name and municipality fields

The screenshot displays the 'Reference Data Update System' web application. The browser address bar shows '10.0.253.2:8885'. The application has a sidebar with a 'Logged in as: rb503' and a list of navigation links. The main content area features search filters for Name, Street Number, Street Name, and Municipality, all set to 'Any(%String%)'. The Municipality is set to 'guelph'. There are checkboxes for 'Production School', 'Production Monument', 'Pending School', and 'Pending Monument', all of which are checked. A 'SEARCH' button is located on the right. Below the filters, there are four search result sections: 'Production School Search Results', 'Production Monument Search Results', 'Pending School Search Results', and 'Pending Monument Search Results'. Each section has 'Edit Selected' and 'Delete Selected' buttons. The 'Production School Search Results' section contains a table with two rows of data. The 'Production Monument Search Results' section shows 'No Records Found'. The 'Pending School Search Results' and 'Pending Monument Search Results' sections also show 'No Records Found'.

Reference Data Update System

Logged in as: rb503

- 1. [Search For Schools and Monuments](#)
- 2. [Geocode Address](#)
- 3. [View Pending Data on Map](#)
- 4. [Add New School](#)
- 5. [Add New Monument](#)
- 6. [Manage Schools](#)
- 7. [Manage Monuments](#)
- 8. [Log out](#)

Name: university Any(%String%)
Street Number: Any(%String%)
Street Name: Any(%String%)
Municipality: guelph Any(%String%)

Check the box/boxes where you would like to have a look.
☒ Production School ☒ Production Monument ☒ Pending School ☒ Pending Monument

Production School Search Results

Edit Selected School | Delete Selected School

School Name	School Code	Address	CSD	Coordinates	Survey Area
UNIVERSITY OF GUELPH	9051	50 STONE RD E GUELPH GUELPH	(562701,4819682)	L	
UNIVERSITY VILLAGE PUBLIC SCHOOL	8486	55 DEVERE DR GUELPH GUELPH	(560646,4818146)	L	

Production Monument Search Results

Edit Selected Monument | Delete Selected Monument

Version Name Address CSD Coordinates Survey Area
No Records Found

Pending School Search Results

Edit Selected School | Delete Selected School

School Name Address Time Errors #ofEdits
No Records Found

Pending Monument Search Results

Edit Selected Monument | Delete Selected Monument

Monument Name Address Time Errors #ofEdits
No Records Found

Reference Data Update (REF)

- 1. Search for Schools and Monuments
 - Example of search using the street name and municipality

The screenshot displays the 'Reference Data Update System' web application. The search criteria are set to 'Name: Any(%String%)', 'Street Number: Any(%String%)', 'Street Name: kingston rd', and 'Municipality: toronto'. The search results are divided into three sections: 'Production School Search Results', 'Production Monument Search Results', and 'Pending School Search Results'.

Production School Search Results

	School Name	School Code	Address	CSD	Coordinates	Survey Area
<input type="radio"/>	BIRCH CLIFF PUBLIC SCHOOL	1518	1650 KINGSTON RD TORONTO	TORONTO	(639775,4839043)	A
<input type="radio"/>	JOHN MARTIN COLLEGE	1712	3090 KINGSTON RD TORONTO	TORONTO	(642377,4842930)	A
<input type="radio"/>	ST JOHN SEPARATE SCHOOL	2358	780 KINGSTON RD TORONTO	TORONTO	(637465,4837734)	A
<input type="radio"/>	ST THERESA SHRINE CATHOLIC SCHOOL	1687	2665 KINGSTON RD TORONTO	TORONTO	(641564,4841794)	A
<input type="radio"/>	FRASER COLLEGE	9196	2675 KINGSTON RD TORONTO	TORONTO	(641612,4841856)	A
<input type="radio"/>	LINC - SOUTH ASIAN SUPPORT SERVICES - KSTON & LAW	5416	4352 KINGSTON RD TORONTO	TORONTO	(645577,4847490)	A
<input type="radio"/>	MOMIJI CENTRE	5083	3555 KINGSTON RD TORONTO	TORONTO	(643719,4844544)	A
<input type="radio"/>	ST AUGUSTINES SEMINARY	9454	2661 KINGSTON RD TORONTO	TORONTO	(641544,4841769)	A
<input type="radio"/>	WASHINGTON UNITED CHURCH LEARNING CENTRE	5457	3739 KINGSTON RD TORONTO	TORONTO	(644197,4845201)	A
<input type="radio"/>	ESL - SCARBOROUGH VILLAGE COMMUNITY CENTRE	9981	3600 KINGSTON RD TORONTO	TORONTO	(643595,4844558)	A
<input type="radio"/>	GUILDWOOD VILLAGE MONTESSORI SCHOOL	E0591	4637 KINGSTON RD TORONTO	TORONTO	(646640,4848456)	A

Production Monument Search Results

Version	Name	Address	CSD	Coordinates	Survey Area
<input type="radio"/> 6734	GUILDWOOD GO STATION	4104 KINGSTON RD TORONTO	TORONTO	(644933,4846280)	A
<input type="radio"/> 6731	TORONTO PUBLIC LIBRARY (CLIFFCREST)	3017 KINGSTON RD TORONTO	TORONTO	(642419,4842868)	A
<input type="radio"/> 6732	TORONTO PUBLIC LIBRARY (TAYLOR MEMORIAL)	1440 KINGSTON RD TORONTO	TORONTO	(639340,4838662)	A
<input type="radio"/> 6735	CANADIAN TIRE - ST CLAIR/KINGSTON	2850 KINGSTON RD TORONTO	TORONTO	(641932,4842373)	A
<input type="radio"/> 6745	JOSEPH'S NO FRILLS	4473 KINGSTON RD TORONTO	TORONTO	(645867,4847834)	A
<input type="radio"/> 6746	ROD & JOE'S NO FRILLS	2471 KINGSTON RD TORONTO	TORONTO	(641068,4841068)	A
<input type="radio"/> 6730	ZILBERSCHMUCK ART & JEWELLERY	910 KINGSTON RD TORONTO	TORONTO	(637862,4837810)	A

Pending School Search Results

Pending Monument Search Results

Reference Data Update (REF)

➤ 2. Geocode Address

- An address can be entered and if it has corresponding valid entries in the street network file these will be shown in the text as well as on the map.
- Useful in cases where a municipality has more than one street with the same name. The locations can be mapped to see which one makes sense before the coder enters the correct one in the Geocoding console.

Reference Data Update (REF)

➤ 2. Geocode Address

- Links along with the cross street and the street range and coordinates are listed in text and also displayed on the map.
- If one is highlighted then you can zoom in on that link
- Example shown for 35 St George St which has three possible valid links. (shown as red links on map)

Reference Data Update (REF)

➤ 2. Geocode Address

The screenshot displays the 'Reference Data Update System' web application. The interface includes a search form with fields for 'Street #', 'Name', and 'Munic', each with a dropdown menu set to 'Any(%String%)'. A 'search' button is located below the form. On the left, a sidebar lists navigation options: 'Search For Schools and Monuments', 'Geocode Address', 'View Pending Data on Map', 'Add New School', 'Add New Monument', 'Manage Schools', 'Manage Monuments', and 'Log out'. The main content area features a table with columns: 'Geocode Selected Row', 'Geocode Left Side', 'Geocode Right Side', 'StreetName', 'LeftStart', 'LeftEnd', 'RightStart', 'RightEnd', 'CrossStreet', 'Municipality', 'CSD', 'StartCoord', and 'EndCoord'. The table contains three rows of data for 'ST GEORGE ST' in 'TORONTO'. Below the table is a map of Toronto with a red line indicating the geocoded street segment. The Windows taskbar at the bottom shows the system time as 4:55 PM on 22/12/2015.

Reference Data Update System

Logged in as: rb503

1. [Search For Schools and Monuments](#)
2. [Geocode Address](#)
3. [View Pending Data on Map](#)
4. [Add New School](#)
5. [Add New Monument](#)
6. [Manage Schools](#)
7. [Manage Monuments](#)
8. [Log out](#)

Geocode Selected Row	Geocode Left Side	Geocode Right Side	StreetName	LeftStart	LeftEnd	RightStart	RightEnd	CrossStreet	Municipality	CSD	StartCoord	EndCoord
1	20	35	ST GEORGE ST	20	26	35	35	COLLEGE	TORONTO	TORONTO	(629319,4835209)	(629299,4835273)
2	20	35	ST GEORGE ST	20	42	35	35	GALBRAI	TORONTO	TORONTO	(629299,4835273)	(629268,4835373)
3	76	53	ST GEORGE ST	76	104	11	53	SIMPSON,JUDSON	TORONTO	TORONTO	(620785,4830184)	(620698,4830456)

Map of Toronto showing the geocoded street segment.

Reference Data Update (REF)

- 3. View Pending Data on Map
 - Locations added to the Pending databases can be viewed on the map by the geocoding supervisor to determine their validity.

Reference Data Update (REF)

➤ 4. Add New School

- The name and address location of the school are added and a list of geocoding links and a map are shown.
- One link is selected and geocoded
- New school should then be saved using the save button.
- School is now saved in the Pending Schools database

Reference Data Update (REF)

➤ 4. Add New School

- Add school info, select link(note no x-y coordinates yet until we geocode).

The screenshot shows a web browser window with the URL `10.0.253.2:8885/?wicket:bookmarkablePage=ts3.reference.wicket.page.AddNewSchoolPage`. The page title is "Reference Data Update System". On the left, a sidebar shows the user is logged in as "rb503" and lists navigation links: "Search For Schools and Monuments", "Geocode Address", "View Pending Data on Map", "Add New School", "Add New Monument", "Manage Schools", "Manage Monuments", and "Log out".

The main form area contains the following fields:

- Name:
- Street Number:
- Street Name:
- Municipality:
- CSD:
- Survey Area:
- X-Coord:
- Y-Coord:

Below the form is a table with the following data:

Geocode Selected Row	Geocode Left Side	Geocode Right Side	StreetName	LeftStart	LeftEnd	RightStart	RightEnd	CrossStreet	Municipality	CSD	StartCoord	EndCoord
<input checked="" type="radio"/>	ST GEORGE ST 20	26	35	35	COLLEGE	TORONTO	TORONTO	(629319,4835209)	(629299,4835273)			
<input type="radio"/>	ST GEORGE ST 20	42	35	35	GALBRAI	TORONTO	TORONTO	(629299,4835273)	(629268,4835373)			
<input type="radio"/>	ST GEORGE ST 76	104	11	53	SIMPSON,JUDSON	TORONTO	TORONTO	(620785,4830184)	(620698,4830456)			

Below the table is a map of the area, showing streets like Queen's Park, St. Patrick, and the Danforth Avenue. A red line indicates the selected street segment. Below the map is a "Comments:" text area and a "School Code:" field with a "Show in web DOE?" checkbox.

Reference Data Update (REF)

➤ 4. Add New School

- After coding, coordinates and location are shown (selected location is the green link)

The screenshot displays a web browser window with the URL `10.0.253.2:8885/wicket:bookmarkablePage=::tts3.reference.wicket.page.AddNewSchoolPage`. The page is titled "Reference Data Update System" and shows a sidebar with navigation links: "Search For Schools and Monuments", "Geocode Address", "View Pending Data on Map", "Add New School", "Add New Monument", "Manage Schools", "Manage Monuments", and "Log out". The main content area contains a form for adding a new school. The form fields are: Name (new school 1), Street Number (35), Street Name (ST GEORGE ST), Municipality (TORONTO), CSD (TORONTO), Survey Area (A), X-Coord (629330), and Y-Coord (4835248). Below the form is a map of Toronto with a green link indicating the selected location. The map shows a grid of streets and landmarks, including the University of Toronto and St. Patrick's. A table header is visible: "StreetName LeftStart LeftEnd RightStart RightEnd CrossStreet Municipality CSD StartCoord EndCoord". Below the header, it says "No Records Found". At the bottom of the form, there is a "Comments" field, a "School Code" field, and a "Show in web DDE?" checkbox. A "Save" button is located at the bottom right of the form.

Reference Data Update System

Logged in as: rb503

1. [Search For Schools and Monuments](#)
2. [Geocode Address](#)
3. [View Pending Data on Map](#)
4. [Add New School](#)
5. [Add New Monument](#)
6. [Manage Schools](#)
7. [Manage Monuments](#)
8. [Log out](#)

Name: new school 1

Street Number: 35

Street Name: ST GEORGE ST

Municipality: TORONTO

CSD: TORONTO

Survey Area: A

X-Coord: 629330

Y-Coord: 4835248

Geocode Selected Row | Geocode Left Side | Geocode Right Side

StreetName	LeftStart	LeftEnd	RightStart	RightEnd	CrossStreet	Municipality	CSD	StartCoord	EndCoord
No Records Found									

Comments:

School Code:

Show in web DDE? ☐

Save

Reference Data Update (REF)

- 4. Add New Monument
 - Same as add new school except new location is saved in the Pending Monuments database.

Reference Data Update (REF)

➤ 5. Add New Monument

- Add monument info: name, address info and select link(note no x-y coordinates yet until we geocode).

10.0.253.2:8885/7wici x New Tab x

10.0.253.2:8885/7wicket/bookmarkablePage=tts3.reference.wicket.page.AddNewMonumentPage

Reference Data Update System

Logged in as: rb503

1. [Search For Schools and Monuments](#)
2. [Geocode Address](#)
3. [View Pending Data on Map](#)
4. [Add New School](#)
5. [Add New Monument](#)
6. [Manage Schools](#)
7. [Manage Monuments](#)
- 8.
9. [Log out](#)

Monument Version:
Name:

Street Number:
Street Name:
Municipality:

CSD:

Survey Area:

X-Coord:
Y-Coord:

Geocode Selected Row Geocode Left Side Geocode Right Side

StreetName	LeftStart	LeftEnd	RightStart	RightEnd	CrossStreet	Municipality	CSD	StartCoord	EndCoord
* SHEPPARD AVE E 676	698	635	685		ACCESS, GREENBR	TORONTO	TORONTO	(630362,4847425)	(630518,4847476)

Comments:

Save

5:01 PM 22/12/2015

Reference Data Update (REF)

- 5. Add New Monument
 - After coding, coordinates and location are shown (selected location is the green link)

The screenshot displays a web browser window with the URL `10.0.253.2:8885/twiki/bookmarkablePage=ttts3.reference.wicket.page.AddNewMonumentPage`. The page is titled "Reference Data Update System" and shows a user logged in as "rb503".

Form Fields:

- Monument Version:
- Street Number:
- Street Name:
- Municipality:
- CSD:
- Survey Area:
- X-Coord:
- Y-Coord:

Geocode Section:

Buttons: [Geocode Selected Row](#), [Geocode Left Side](#), [Geocode Right Side](#)

StreetName	LeftStart	LeftEnd	RightStart	RightEnd	CrossStreet	Municipality	CSD	StartCoord	EndCoord
No Records Found									

Map: A map of the Bayview area in Toronto, showing streets like Bayview Avenue, Sheppard Avenue East, and the Bayview Village. A green line indicates the location of the new monument.

Comments:

Save button

Reference Data Update (REF)

➤ 5. Add New Monument

- After saving monument information is now listed and a pointer shows its location coordinate.

The screenshot displays a web browser window with the URL `10.0.253.2:8885/twicketinterface=20...`. The page title is "Reference Data Update System". On the left, a sidebar shows the user is logged in as "rb503" and lists a menu of options: "Search For Schools and Monuments", "Geocode Address", "View Pending Data on Map", "Add New School", "Add New Monument", "Manage Schools", "Manage Monuments", and "Log out". The main content area features a map of a residential area in Toronto, with a yellow pin indicating the location of a monument. Below the map, a table lists the monument details:

Name	Address	Coordinates	CSD	Survey Area
NEW MONUMENT 2	680 SHEPPARD AVE E TORONTO	(630370,4847451)	TORONTO	A

The Windows taskbar at the bottom shows the system time as 5:03 PM on 22/12/2015.

Reference Data Update (REF)

- 6, 7. Manage School, Manage Monuments
 - After saving the new school or monument the Manage School/Monuments links allows the geocoder supervisor to view the details of the added schools or monuments
 - The added locations can be edited or deleted as necessary
 - Once it is determined that they are valid they can be selected and processed which initiates the move from the Pending to Production databases.

Reference Data Update (REF)

➤ 6, 7. Manage School, Manage Monuments

The screenshot shows a web browser window with the URL `10.0.253.2:8885/?wicket:bookmarkablePage=:tts3.reference.wicket.page.ManageMonumentsPage`. The page title is "Reference Data Update System".

Reference Data Update System

Logged in as: **rb503**

1. [Search For Schools and Monuments](#)
2. [Geocode Address](#)
3. [View Pending Data on Map](#)
4. [Add New School](#)
5. [Add New Monument](#)
6. [Manage Schools](#)
7. [Manage Monuments](#)
8. [Log out](#)

Form Fields:

- Name: (Any(%String%))
- Street Number: (Any(%String%))
- Street Name: (Any(%String%))
- Municipality: (Any(%String%))

Table:

Monument Name	Address	Time	Errors	#ofEdits
<input type="radio"/> NEW MONUMENT 4	799 COLLEGE ST TORONTO	22/12/15	0	0
<input type="radio"/> NEW MONUMENT 3	87 CHESTER AVE TORONTO	22/12/15	0	0
<input type="radio"/> NEW MONUMENT 2	680 SHEPPARD AVE E TORONTO	22/12/15	0	0

The Windows taskbar at the bottom shows the time as 5:07 PM on 22/12/2015.