



United States  
Department of  
Agriculture

Animal and  
Plant Health  
Inspection  
Service

Veterinary  
Services

Centers for  
Epidemiology  
And Animal  
Health

April 2008



## Emergency Management Response System's Mapping Module

# Field Responder + DeLorme's Street Atlas USA 2008 Plus User Manual

# Table of Contents

<b>Section 1</b>	<b>Introduction</b>	Page 4
	1A...About Street Atlas	Page 4
	1B...The Street Atlas Main Screen	Page 5
	1C...Navigating Within the Map View Window	Page 9
	1D...Starting Street Atlas	Page 10
<b>Section 2</b>	<b>Importing the Site Planner Data</b>	Page 11
<b>Section 3</b>	<b>Using Street Atlas to Create &amp; Manage Travel Routes</b>	Page 17
	3A...Creating Routes with Prem IDs	Page 17
	3B...Deleting Routes from a Map	Page 21
<b>Section 4</b>	<b>Customizing &amp; Printing Map/Route Information</b>	Page 22
	4A...Customizing a Map's Features	Page 22
	4B...Choosing a Map's Layout	Page 26
	4C...Printing Map/Route Information	Page 32

## Scope of This Manual

The Veterinary Services' Emergency Management Response System's Mapping Module consists of three tools:

- Site Planner – helps you to quickly locate premises on maps, using a variety of search criteria.
- Field Responder – lets you import premises data into third-party software applications in order to customize/generate/view/print detailed maps for use by animal disease investigation personnel.
- Incident Analyzer – assists you in performing geographic visualization and analysis work for use in animal disease investigations.

This User Manual documents the procedures for using the Field Responder tool specifically with DeLorme's Street Atlas USA 2008 Plus, a third-party geographic data-sharing/viewing software application.

## Audience for This Manual

Users of the Veterinary Services' Emergency Management Response System's Mapping Module will generally fall into one of the following groups:

- Management – These are decision-making personnel (such as chiefs and leaders for emergency outbreak incidents and disease investigations) who are in charge of assigning resources and tasks for data-collection and field work. Management staff also generate reports for analysis and end-of-year reporting purposes.
- Data Collectors – These individuals are tasked to collect premises data (both spatial and non-spatial). Such personnel are usually equipped with mobile devices and navigation software to help them in locating premises for field visits.
- Analysts – These individuals perform data exploration/visualization work, generated web-based maps, and conduct spatial analysis/modeling, as needed.

## Section 1: Introduction

### 1A About Street Atlas

Street Atlas USA<sup>®</sup> 2008 Plus lets you import premises data from the EMRS Mapping Module's Site Planner tool into it. Street Atlas USA<sup>®</sup> 2008 Plus (hereafter referred to as "Street Atlas") then uses this premises data to generate detailed maps which display the location of each premises.

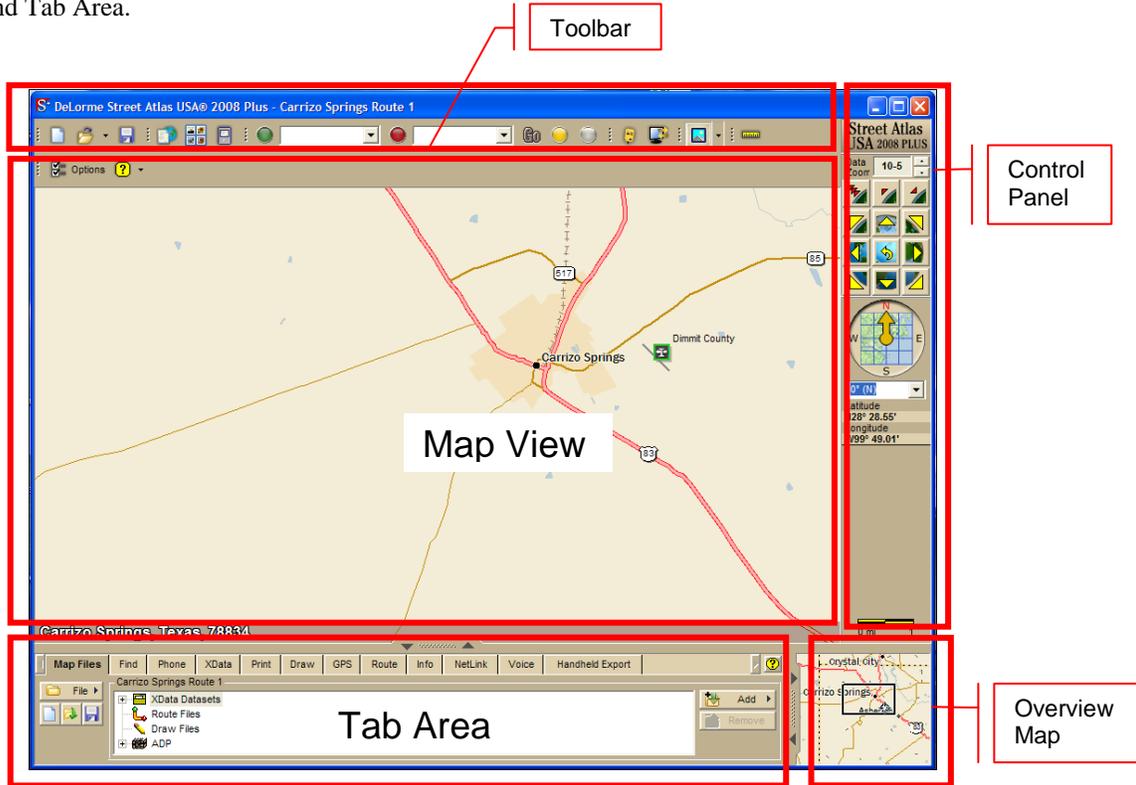
More specifically, you can use Street Atlas to do the following tasks with the Site Planner premises data:

- Find a street address, city/town, ZIP/Postal Code, latitude/longitude (Lat/Long) coordinate or other point of interest in the U.S. You can use Street Atlas' advanced search functionality to locate the intersection of two streets, a specific category of map items (such as landmarks along the current route), or an area code and exchange.
- Create a route by adding start and finish points to your map. You can then customize this route by adding stops and vias.
- Print high-quality, detailed, single-page maps or mural maps as large as 3 x 3 pages (which split the map print area into nine edge-matched sheets).
- Print your maps, routes, and route directions.
- Customize your map with routable roads, text, images and other features.

The tasks listed above are described in this user manual. But Street Atlas has additional functionality not covered in this document that you can also apply to your Site Planner data. To learn about this additional functionality, refer to Street Atlas' own user documentation.

## 1B The Street Atlas Main Screen

When you first start up the Street Atlas software program, you see the following **Street Atlas Main Screen**. This screen is organized into five elements: Toolbar, Control Panel, Overview Map, Map View, and Tab Area.



**Tab Area** – Most of the functionality in Street Atlas can be accessed from the twelve tabs at the bottom of the screen. Street Atlas contains the following tabs:

- **Map Files** – Use this tab to open, edit, and save your maps.
- **Find** – Use this tab to locate places, addresses, ZIP/Postal Codes, and coordinate positions.
- **Phone** – Use to search for a name and address based on a given phone number, or to search for a phone number based upon a specified name and/or address.
- **XData** – Use to import location data so that you can view the location of each record on detailed maps.
- **Print** – Use to edit map layouts and to print maps.
- **Draw** – Use to customize your map by adding such features as routable roads, waypoints, tracks, text, symbols, MapNotes, images, lines, arcs, splines, circles, polygons, and rectangles.
- **GPS** – Use to connect to your GPS and track your path.
- **Route** – Use to create a route, view route directions, edit a route, display routes on a map, reverse a route, or plan a trip.

## DRAFT COPY

- Info – Use to click a point, symbol, feature, measurement line, or area on the map in order to identify it and to view detailed information about it.
- NetLink – Use to access DeLorme’s company website for special offers, software, and support.
- Voice – Use to issue voice commands to your computer for basic navigation, map control, and GPS features.
- Handheld Export – Use to export maps to be used on a Palm OS® or Pocket PC handheld device.

**Control Panel** – This element, located to the right of the Map View, displays information pertinent to the current map view and the map cursor position. It also includes zoom and map pan buttons.

- Data Zoom Level – Shows the current data zoom level of the Map View. Zoom levels indicate the scale of the map displayed in the map view.
- Zoom Tools – A set of buttons that enables you to quickly zoom out three levels, out one level, or in one level.
- Compass Rose – A group of nine buttons, of which eight have yellow arrows pointing outward. Click one of the arrow buttons to pan the map in that direction. Click the middle button to center the map on the previous map view. This middle button can also perform an Undo function for the last pan or zoom (up to 256 times).
- Map Rotation Tool – A grid graphic, on which the arrow indicates True North in relation to the rotated map. Use the Map Rotation Tool to rotate the map in any direction. You can rotate the map by clicking or dragging the square map graphic in the desired direction or by selecting/typing the desired degree of map rotation from the available drop-down list.
- Latitude/Longitude – A display of the latitude/longitude coordinates for the current map cursor position, based on the coordinates chosen in the Options Block on the **Display Tab**.
- Scale Bar – The distance that one scale bar unit equals in measurement units (miles or kilometers).

**Overview Map** – The Overview Map is a smaller map in the lower-right corner of the screen that offers a wide-angle view of your current Map View area. It is approximately three data zoom levels out from the current map view.

**Toolbar** – Street Atlas comes equipped with a default toolbar at the top of the map screen, which lets you perform many functions in the application without navigating through the Tab Area.



The list below identifies each button on this toolbar:



Create a new map file.



Open a map file.



Save the current map file.

## DRAFT COPY



MapShare – Email maps routes and directions.



Eartha Community Atlas – Do web-based map sharing.



Portable Maps – Create static maps for your portable media player.



Set a route's Start point.



Set a route's Finish point.



Calculate a route.



Set a Stop location along a route.



Set a Via location along a route.



Start/Stop GPS.



Open Exchange Dialog – Exchange information with a portable device (such as a PDA or GPS Unit).



Add imagery to a map.



Measures distance and area.



Open the Options Dialog.



View the Help menu.

## DRAFT COPY

These toolbar buttons provide the following capabilities:

- Create, save, and/or open Map Files (these features can also be found in the **Map Files Tab**).
- Print your current map screen (more printing functionality can be found in the **Print Tab**), or quick print with the current **Print Tab** settings.
- Share maps and/or route directions with MapShare.
- Send static maps to your iPod (or other compatible portable media player).
- Set a route's start, finish, and stop points, and calculate a route (this feature can also be found in the **Route Tab**).
- Start or stop your GPS connection (this feature can also be found in the **GPS Tab**).
- Exchange routes, waypoints, and more with a GPS or PDA device.
- View raster imagery (such as aerial and satellite imagery) and view roadways on top of this imagery.
- Grab and pan a map in any direction.
- Measure linear distance and area on a map.
- Get information about a location on a map (this functionality can also be accomplished by right-clicking a location on the map and selecting the Info option).
- Open the Options dialog box to set GPS, voice, display, map feature, handheld, and keyboard shortcut preferences.
- Open the Help menu to view Help Topics, view travel conditions/contacts, reset/shut off popup tutorials, and more.

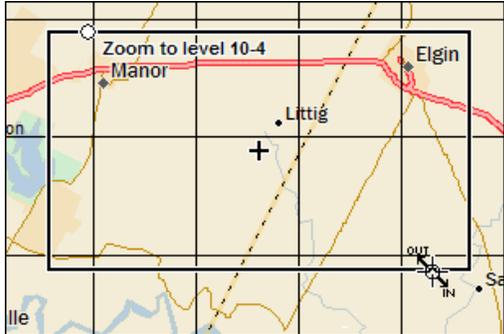
*Note:* Not all of Street Atlas's toolbar features appear in the toolbar by default. To modify which features you want to view and use in the toolbar, right-click on it. A pop-up list of toolbar options appears. Each option with a check mark next to it means that it is currently active on the toolbar. Check/uncheck each item to toggle it to be active/inactive in the toolbar. The Help and Options buttons cannot be hidden in the toolbar. Click **Reset to Default** to restore the default toolbar.

**Map View** – The Map View Window shows interstate highways, roads, cities, lakes, streams, airports, hospitals, etc. It also displays any locations you have added or imported, features you have drawn on the map, and routes you have created.

There are three ways to navigate in the Map View Window: dragging/zooming in, dragging/zooming out, and panning. These methods are described more fully in the next section.

## IC Navigating within the Map View Window

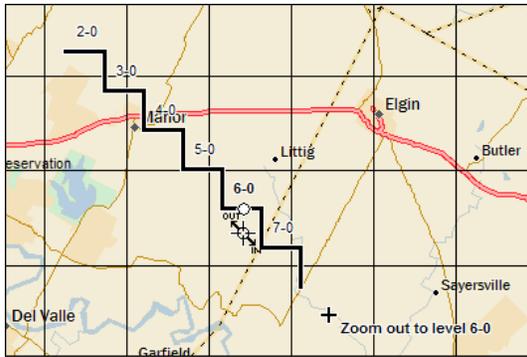
**Dragging/zooming in** – increases the data zoom level number and shows a smaller geographic area at greater detail.



Use the following steps to zoom in:

1. Left-click, hold, and drag the mouse in a down-right direction on the map to encompass the area you want to display. A rectangular view box displays on the screen and changes dimension as you move the mouse. A label displays the data zoom level at the current map center.
2. Once you have defined the desired area or data zoom level you want to display, release the mouse button. The area you selected fills the map window, the map re-centers, and the map view adjusts to show the appropriate level of detail.

**Dragging/zooming out** – decreases the data zoom level number and shows a larger geographic area at lesser detail.



Use the following steps to zoom out:

1. Left-click, hold and drag the mouse in an up-left direction on the map. A staircase with a small circle displays on the screen.
2. Continue dragging the mouse in an up-left direction. The small circle moves up the steps, one step per data zoom level. A label displays the data zoom level to the bottom-right of the staircase.
3. Once you reach the desired data zoom level you want to display, release the mouse button. The map view adjusts to display the appropriate level of detail. The map center is retained on your screen.

## DRAFT COPY

**Panning (moving or centering the map)** – can be done in any of the following ways:

- Left-click anywhere on the current map view. The point at which you click becomes the new map center.
- When you point near the map view edge, a white hand displays. Left-click, hold, and drag the hand to move the map.
- Left-click the pan button  in the toolbar to drag/pan the map in any direction.
- Left-click anywhere on the Overview Map. The point where you click becomes the new map center. This technique allows you to move greater distances with each mouse click than you can within the main map.
- Point anywhere on the black view box in the Overview Map window. When the pointer becomes a , drag the view box to the desired location.

## ID Starting Street Atlas

It is assumed that you have Street Atlas installed on your computer. Start Street Atlas by double left-clicking on the Street Atlas icon on your desktop (shown at right). This will open the **Street Atlas Main Screen** (refer back to the screenshot in Section 1B above).



## Section 2: Importing the Site Planner Data

In order for Street Atlas to successfully geolocate (position) a premises on its detailed map, the imported Site Planner premises file must already have some minimal information in it.

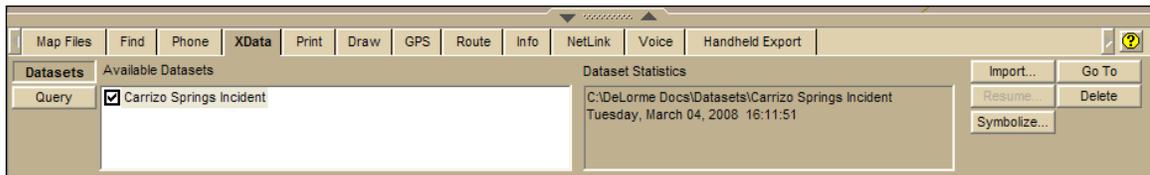
So, before you import a Site Planner premises file into Street Atlas, check that each premises record in this file contains at least one of the following data types:

- a Latitude/Longitude coordinate
- a ZIP/Postal Code
- a complete physical address (street address, city, state)

By default, a Site Planner tab-delimited file contains both the Latitude/Longitude coordinate and ZIP/Postal Code data types. (The Latitude/Longitude coordinate enables Street Atlas to geolocate the premises locations more accurately on its maps than does the ZIP/Postal Code.)

Use the following procedure to import a Site Planner premises file into Street Atlas:

1. Click the **XData** tab to open the XData dialog area. Any dataset(s) already included in Street Atlas' current Map File will be listed in the Available Datasets Block. (A "dataset" is a map file that may already contain drawn items, imagery, text, and routes.)

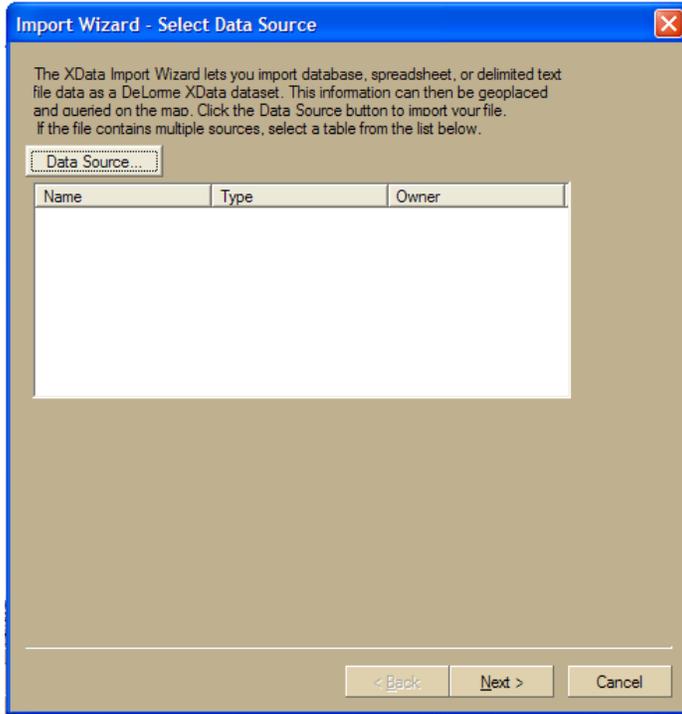


*Note:* A check mark next to the name of a dataset in the Available Datasets Block (shown above) indicates that the dataset is being displayed on the map. Clear the check box to hide the dataset's symbols on the map.

2. Click **Import** to open the Import Wizard. The **Select Data Source Screen** opens.

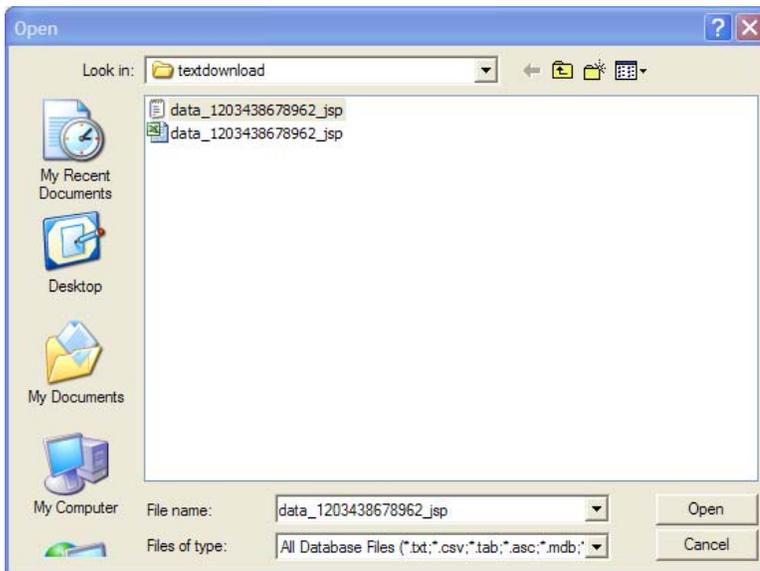


3. On the **Select Data Source Screen**, click **Data Source**.



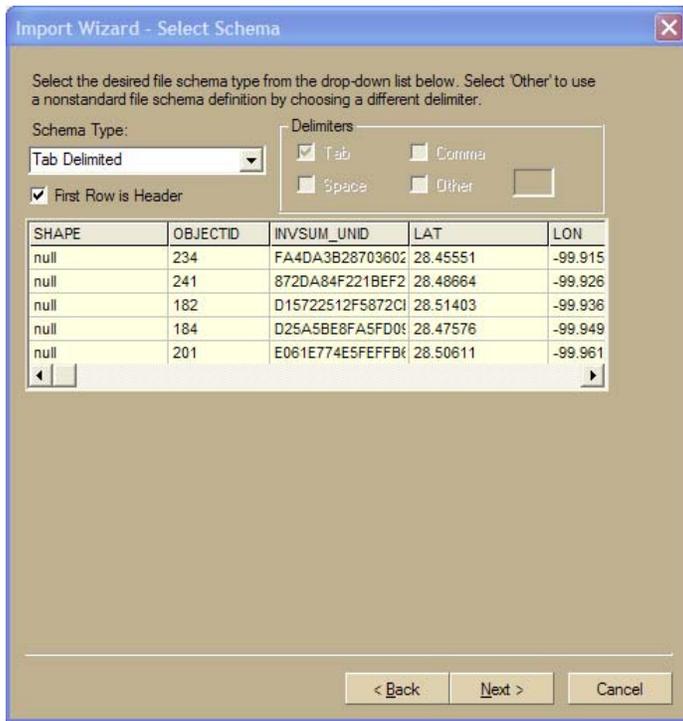
A Microsoft Windows **Open File** dialog box appears.

4. In this dialog box, do the following:
  - a. Locate and select the desired Site Planner tab-delimited file that you want to import.  
(In the example screenshot below, the **data\_1203438678962\_jsp** tab-delimited file has been selected.)



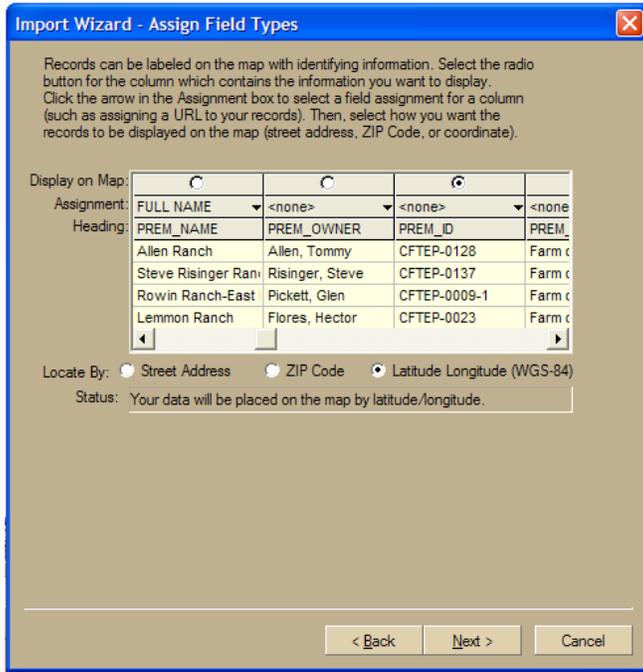
*Note:* If your file is not available in the directory as expected, you may need to change the file type in the **Files of Type** drop-down list. Selecting a new file type will refresh the directory listing and hopefully show your file.

- b. Click the **Open** button.
  - c. The Open dialog box closes.
  - d. Back on the Select Data Source window, click **Next**.
  - e. The Select Schema screen appears (see below).
5. In the **Schema Type** data field:
- a. Use the pull-down menu to select the **Tab-Delimited** option to separate your data into the appropriate columns.
  - b. Make sure the **First Row is Header** check box is checked (see below).  
*Note:* This check box is selected by default. Street Atlas attempts to automatically assign field names based on the data in the first row of the Schema table shown.



- c. Click **Next**. The **Assign Field Types Screen** displays.
6. In the **Assign Field Types Screen**, do the following steps:
- a. Street Atlas allows you to select which column you want to use as an annotation label that is attached to each premises location on the map. Indicate which column to use by clicking its radio button in the **Display on Map** row. (In the screenshot under Step 6b, the **PREM\_ID** column was selected as the label.)  
*Note:* If you do not want labels to appear next to each premises location on the Street Atlas map, uncheck any checked radio buttons in the **Display on Map** row.

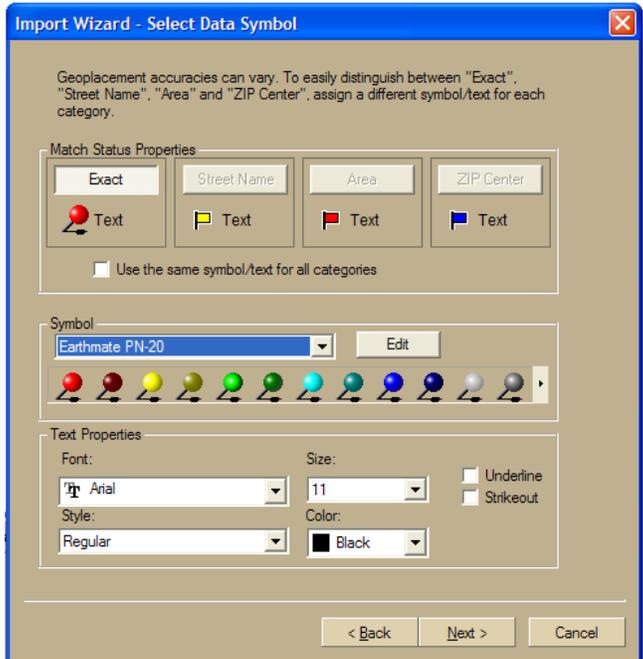
b. In the **Locate By** data field, verify that that the **Latitude Longitude** radio button is selected.



7. Click **Next**. The **Select Data Symbol Screen** displays.

8. In the **Select Data Symbol Screen**, do the following:

a. In the Match Status Properties Block, click **Exact** (because you are using Latitude/Longitude coordinates).



## DRAFT COPY

- b. Under Match Status, select the **Use the same symbol/text for all categories** check box to identify all of your records on the map using the same symbol.

*Note:* You are not limited to just the symbol set currently shown in the Symbol Block. You can also edit these symbols or create new symbols of your own. For procedures on these advanced tasks, refer to Street Atlas' own documentation, available in the Help Menu in Street Atlas' toolbar. (The screenshot at right shows the resources available in the Help Menu.)



- c. In the Symbol Block, use the pull-down menu to select different symbols for display, edit existing symbols and create new symbols.

*Note:* Click **Edit** to create a new symbol or edit an existing symbol. For more information, see topics listed under **Custom Symbols** in the **Draw** section of the Street Atlas Help file.

- d. In the **Text Properties** box define the font characteristics for the Prem ID location labels that will be displayed on the map and associated with the Symbol you just selected.

- e. After you have finished defining all of your map's symbols and characteristics, click on **Next**. The **Data Options Screen** displays.

9. Type the desired name for the Site Planner premises file along with any additional identifying comments.

A screenshot of the 'Import Wizard - Data Options' dialog box. The dialog box has a title bar with a close button. The main area contains the text 'Enter a name for your dataset and add any desired comments.' Below this text are two input fields: 'Dataset Name:' with the text 'Carrizo Springs Texas Incident Data' and 'Comments:' with the text 'This incident is being investigated for XXX disease.' At the bottom of the dialog box are three buttons: '< Back', 'Finish', and 'Cancel'.

This will be the dataset filename that appears in the Available Datasets Block (refer back to Step1). Datasets have .dds extensions and are saved to your system's local directory at C:\DeLorme Docs\Datasets by default.

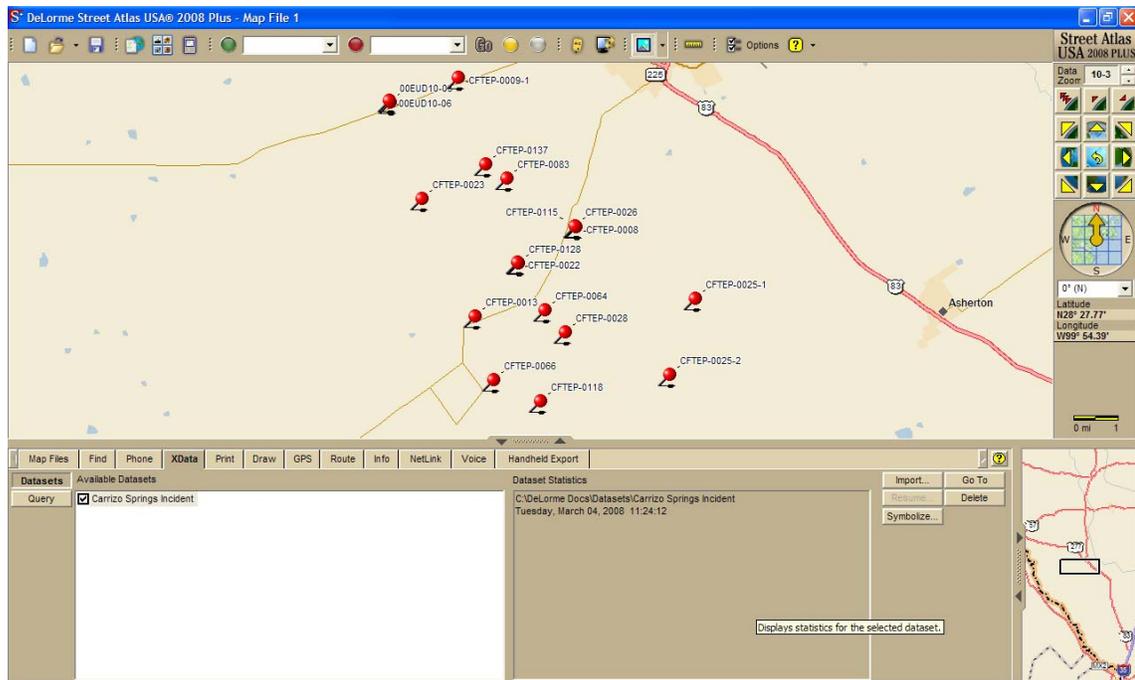
## DRAFT COPY

10. Click **Finish** to start the importing of the Site Planner premises file. A progress bar appears that shows the status of this activity.

*Note:* Should you need to interrupt the import process, you can finish importing the dataset later by selecting the dataset from the Available Datasets list in the **XData Tab** and then click **Resume**.

11. When the import process is complete Street Atlas automatically does the following:
  - The dialog box automatically closes.
  - The dataset name displays in the Available Datasets list.
  - The map area is set to the geographic extent of your imported database.
  - The symbol(s) you chose display on the map for every record which was geolocated.

The screenshot example below shows the results of importing a dataset from Site Planner in the Carrizo Springs Texas area.



## Section 3: Using Street Atlas to Create & Manage Travel Routes

Street Atlas allows you to generate a travel route on its map with Prem IDs .

### 3A Creating Routes with Prem IDs

Once the Site Planner tab-delimited file containing the Prem ID data has been imported into Street Atlas, you can use these Prem ID locations on the Street Atlas map to create a route. This is especially helpful if you need to schedule visits/inspections to multiple premises during the course of an investigation.

A route consists of various elements, including these:

- Start location – the location from which you will start your investigation – typically a Prem ID location.
- Finish location – the Prem ID location where you will complete your investigation.
- Stop locations – (optional) one or more Prem ID locations that you will stop at along the complete route.
- Vias – (optional) one or more roads that you want to use to complete your route.

You can create routes using any of three methods:

- **Method A: Using the Route Options in the Street Atlas Toolbar**
- **Method B: Using Street Atlas' Right-Click Feature**
- **Method C: Using Street Atlas' Route Tab**

Each of these methods is described below.

#### Method A: Using the Route Options in the Street Atlas Toolbar



The Street Atlas toolbar has four Route options that you can use. These four options are:

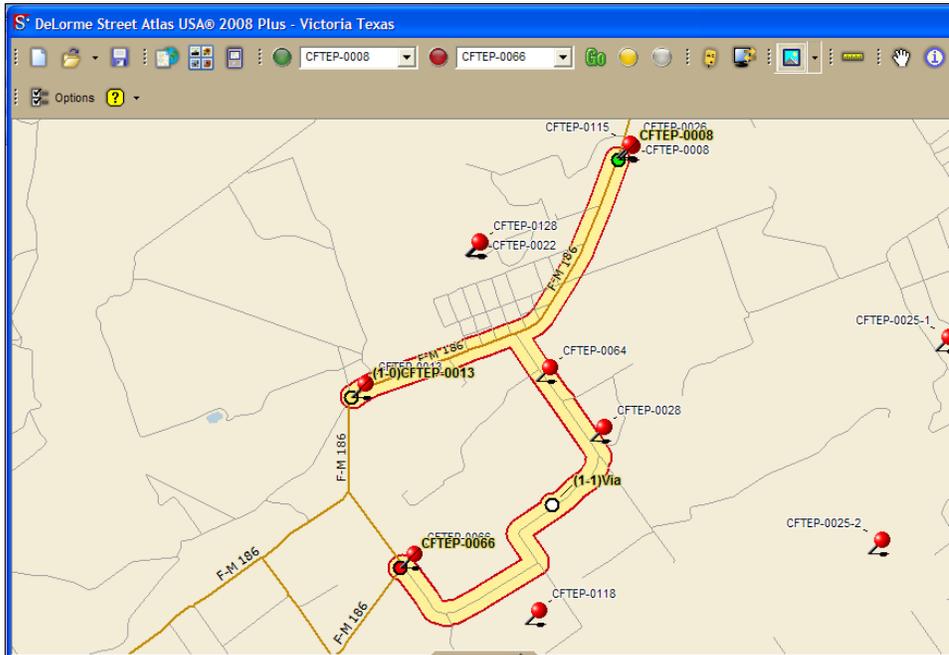
-  Start button: Sets the location as the **Start** location of the travel route.
-  Finish button: Sets the **Finish** location of the travel route.
-  Stop button: Sets one or more locations as Inserted **Stops** along the route.
-  Via button: Sets one or more **Vias**.

1. Click on the **Start** button.
2. Click on the map symbol for the Prem ID location you want to use as the start of the route.
3. Click on the **Finish** button.
4. Click on the location you want to use as the end of the route.

## DRAFT COPY

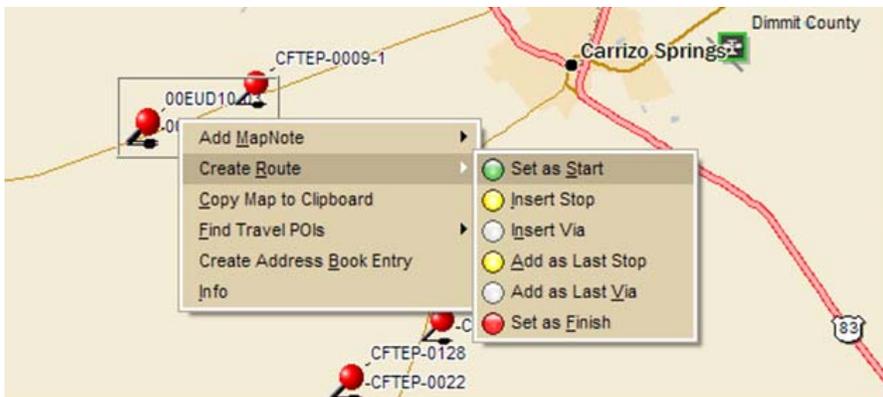
5. Click on the **Stop** button.
6. Click on one or more of the map symbols for the Prem IDs that you want to use as stops along the route.
7. Click on the **Via** button
8. Click on one or more roads that you want to use on your route.

The example screenshot below shows **CFTEP-0008** selected as the **Start** location and **CFTEP-0066** as the **Finish** location. **CFTEP-0013** is one **Stop** location and an un-named road (between **CFTEP-0064** and **CFTEP-0028**) was selected as one **Via** road segment. Street Atlas automatically calculates the route between the two points and displays it on the map.



### Method B: Using Street Atlas' Right-Click Feature

1. Insert a Start location on a route by doing the following:
  - a. On the route itself, right-click on the desired Start location. A cascading pop-up menu appears.
  - b. In this menu, select the **Create Route** and **Set as Start** options (see below).



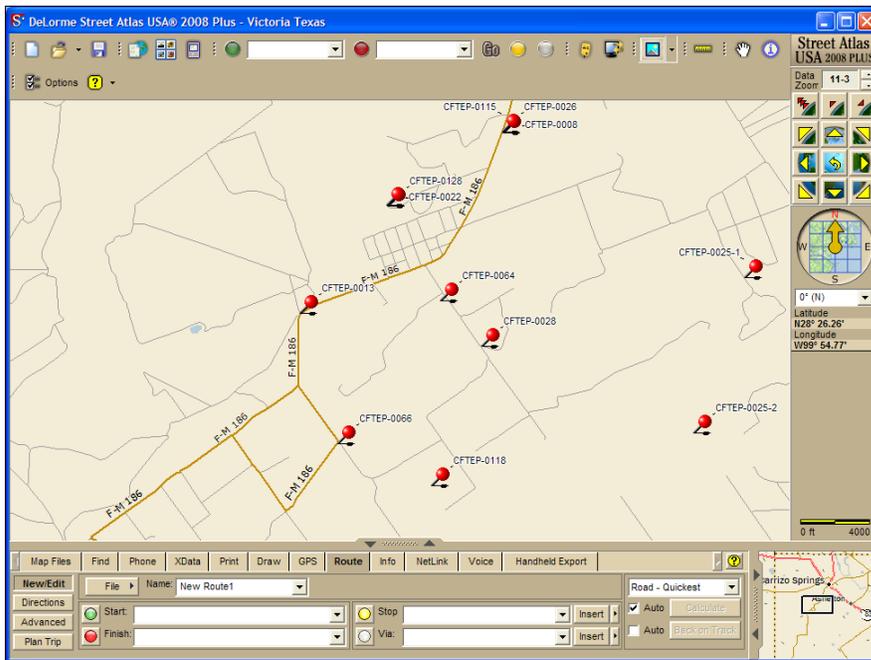
The menu then disappears. You now see a red symbol on the map that identifies this Start location

## DRAFT COPY

2. Insert a Finish location on a route by doing the following:
  - a. On the route itself, right-click on the desired Finish location.
  - b. In the cascading pop-up menu, select the **Create Route** and **Set as Finish** options. The menu disappears. You now see a red symbol on the map that identifies this Finish location.
3. *Optional:* Add any locations for Stops and Vias to a route by doing the following:
  - a. Right-click the feature you want to use as a **Stop** or **Via**.
  - b. In the cascading pop-up menu, select the **Create Route** and **Insert Stop** or **Insert Via** options. The menu disappears. You now see a yellow symbol on the map that identifies this as a **Stop** location or a gray symbol for a **Via** location.
  - c. Repeat Step 3 a and 3b for each additional **stop** or **via** you want to add to your **route**.

### Method C: Using Street Atlas' Route Tab

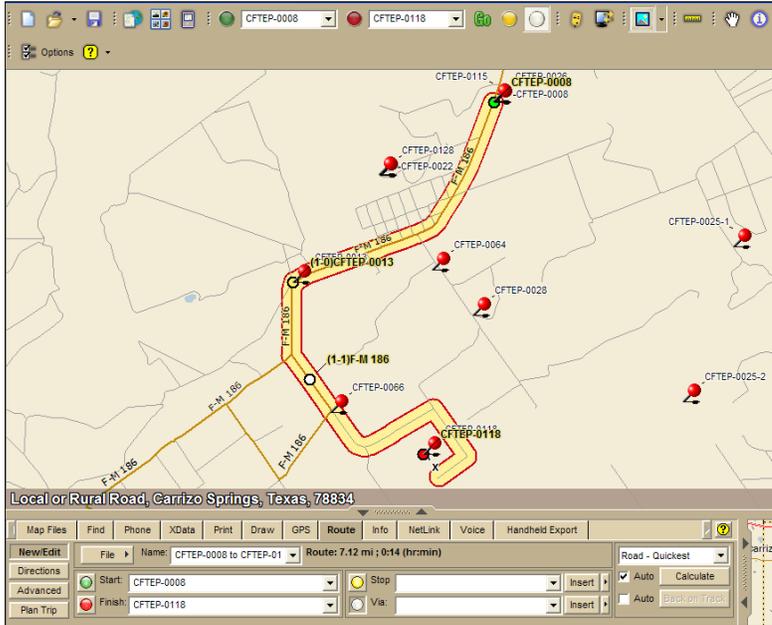
1. Click on the **Route Tab** in the Tab Area in the lower part of the screen (see below).



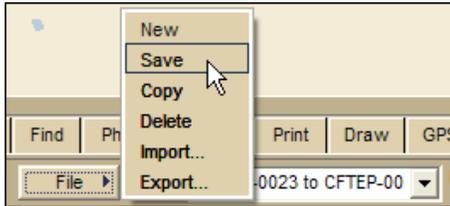
2. Refer back to **Method A** under Section 3 for procedures on how to use the **Start**, **Finish**, **Stop** and **Via** buttons found in the Tab Area.

# DRAFT COPY

3. You can specify a name for this route by entering it in the **Name** field. If no name is manually entered, Street Atlas automatically generates a name in this field using the **Start** and **Finish** location labels as shown in the figure below.



4. Save the route and map file by clicking on **File** and then pointing to and clicking **Save**.



### 3B Deleting Routes from a Map

To delete a route, do the following:

1. Right-click anywhere on the route itself. A cascading pop-up menu will appear.
2. In this menu, select the **Manage Route** and **Delete Route** options (shown below). The menu then disappears.



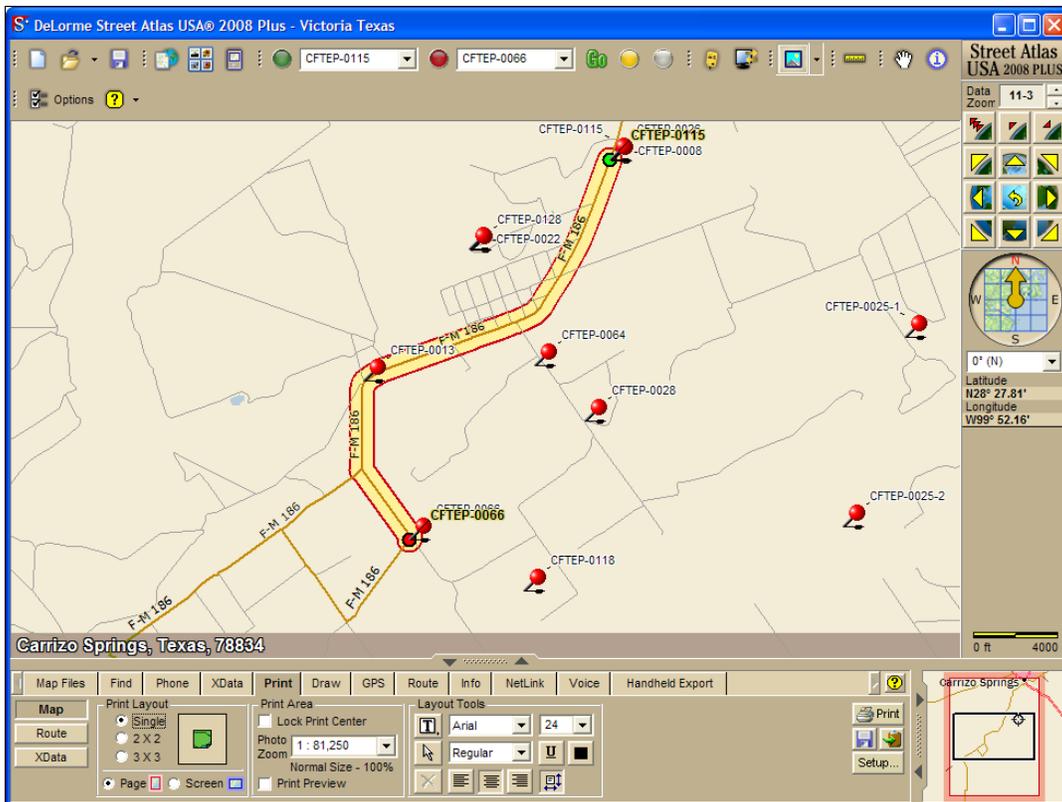
3. The map refreshes and no longer displays the route you just deleted.

## Section 4: Customizing & Printing Map/Route Information

Street Atlas has a comprehensive set of tools for customizing and printing the maps and routes it generates. However, this document only covers only the basic set of customization/printing tools. For information on Street Atlas' more advanced tools/features, refer to its online Help documentation and printed documentation.

### 4A Customizing a Map's Features

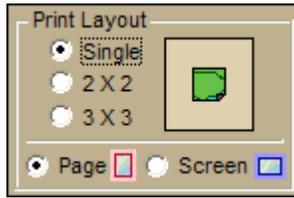
1. Click on the **Print Tab** in the Tab Area.



2. Click on the **Map** subtab button. This displays the Map Printing feature set (shown above).

Each feature in this set and the procedures for using it are described below. Every feature is optional and can be used in any order.

**4A-1 Print Layout** – controls whether the map is printed on one or more pages and if the print area is based on your printer page size or on the screen size displayed in the Map View Window.



1. Locate the area you want to print. For more information on locating an area on the map or navigating the map, refer back to *Section 1C, Navigating within the Map View Window*.
2. Under Print Layout, select **Page**. (The map print area is based on the layout option you have specified in the Options Block. Descriptions of these layout options are described in detail, beginning on Page 26.)
3. The print area for a Page map displays as a red box on the map in the Map View Window (may not be visible) and on the Overview Map.
4. Under Print Layout, select a layout option (Single, 2 x 2, or 3 x 3). The print area displays on both the map in the Map View Window Map and the Overview Map.

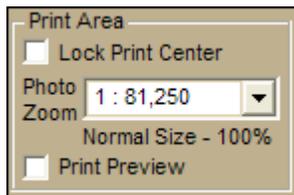
- Single – prints the map print area as a single sheet
- 2X2 – splits the map print area into four edge-matched sheets
- 3X3 – splits the map print area into nine edge-matched sheets



*Note:* If you do not want to print all the pages in a multi-page map, click the page(s) you do not want to print on the Layout graphic (see right). You can click again to reselect the page for printing.



**4A-2 Print Area** – controls the print scale and previews the print.



*Optional* – Check the **Lock Print Center** check box to lock your current print area and the print photo setting. This allows you to use other tabs and functions without changing the current map print setting.

*Optional* – Change the Photo Zoom level (print scale) using the pull-down menu. Changing the photo zoom will enlarge/reduce certain map features and will change the map print area in the following ways:

- *If you increase* the photo zoom level, all map text, lines, symbols, etc. will display larger, and your map print area is reduced.
- *If you decrease* the photo zoom level, all map text, lines, symbols, etc. will display smaller, and your map print area is enlarged.
- The reduction/enlargement percentages for your photo zoom level display under the **Photo Zoom** drop-down list.

*Optional* – Select the **Print Preview** check box to view the map area that will be printed as a red box on the Map View. Clear the check box to return to your previous data zoom level.

**4A-3 Layout Tools** – Allow you to add and edit text (framed and unframed), a north arrow, a scale, and images. In the Layout Tools box, the default display is for the **Framed Text** options (shown below).



*To add text features* to the map, do the following:

1. Select the Framed or Unframed Text button. The Layout Tools box changes to show only the Framed/Unframed Text options (shown above).
2. Click in the map view where you want to add text. A text box with the words “Map Text” displays.
3. Type in the text you want.
4. Use the tools below to format the text.



Font Style – Select the font style from the pull-down menu.



Font Size – Select the font size from the pull-down menu.



Font Formatting – Select the format (bold, italics, etc.) from the pull-down menu.



Underline Text and Font Color – Click the Underline button to underline selected text. Click the Font Color to select a font color from the color menu.



Text Justification – Click the left, center, or right buttons to justify the text in the text box.



Select – Click, to select text.



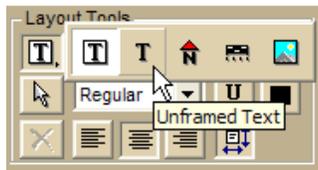
Delete – Click, to delete text after it is selected.



Text Box Size – Click, to toggle between automatic or manual text box sizing.

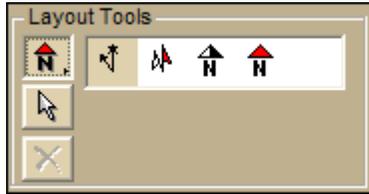
*To add non-text features* to the map, do the following:

1. Click and hold on the **Framed Text** button. This will display the non-text feature buttons to the right.
2. Point and click on the desired feature. In the screenshot below, the Unframed Text feature has been selected.

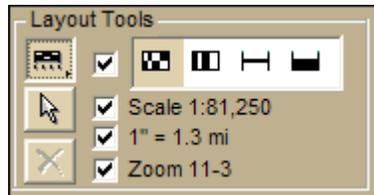


## DRAFT COPY

3. To add a north arrow to your map, do the following:
  - a. Select the North Arrow button. The Layout Tools box changes to show only the North Arrow options (shown below).



- b. Click on the exact location in the Map View Window where you want to insert the North Arrow. A text box with the North Arrow displays.
4. To add a scale to your map, do the following:
  - a. Select the Scale button. The Layout Tools box changes to show only the Scale options (shown below).



- b. Click in the map view where you want to add the Scale. A text box with the Scale displays.
      - c. Click the check boxes to add text for scale ratios and zoom level.
5. Images – not used by Field Responder. To learn more about this feature see the Street Atlas Help menu.

**4A-4 Print Tools** – prints, saves, and copies the map to your computer's clipboard. Also controls the printer settings.



Print – sends the current map to the printer.



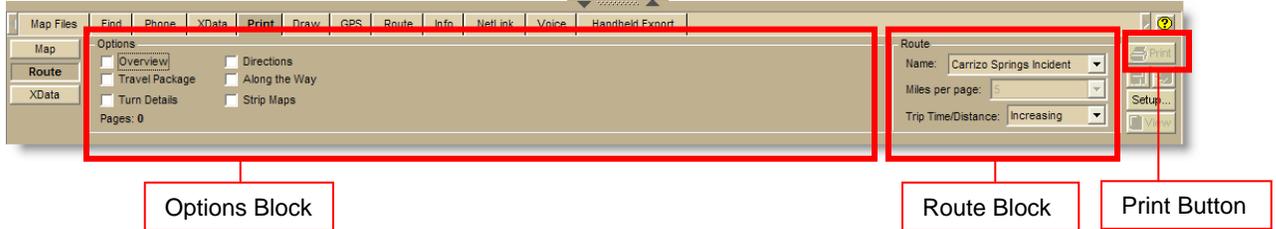
Save/Copy to Clipboard – enables you to save the map to an online directory/hard disk or to copy the map to the Microsoft Windows Clipboard (where you can then paste it into other documents).



Printer Setup – modifies the printer settings. See Street Atlas' Help menu for more information about configuring these printer settings.

## 4B Choosing a Map's Layout

Click the **Route** button. The **Print Tab** will refresh and display two blocks: Options and Route (see below).



### 4B-1 Route Block

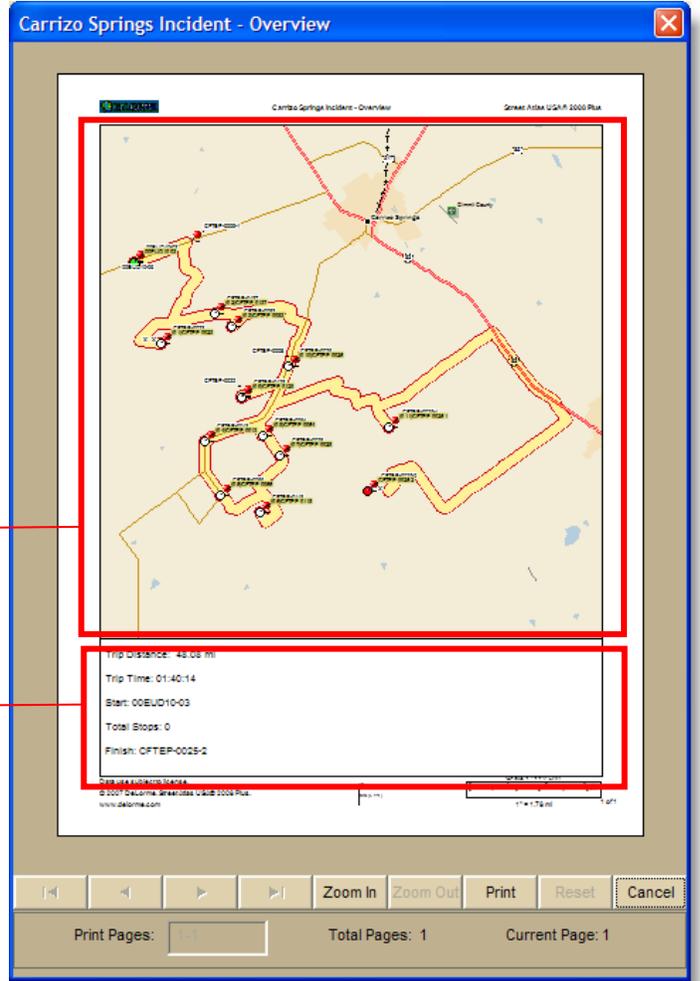
This block contains the following data fields:

- **Name** – If you have created more than one route on your map, select the desired route for printing by finding its name in the pull-down menu.
- **Miles per page** – This data field controls the width (in miles) of the printed area for the **Travel Package** and **Strip Maps** printing layout options. (See pages 28 and 31 for descriptions of these two options.)
- **Trip Time/Distance** – Use either method below:
  - Select **Increasing** to start the time and distance from zero and end with the total time and distance.
  - Select **Decreasing** to start the directions with the total time and distance and end at zero (similar to a countdown).

### 4B-2 Options Block

The Options Block gives you different layouts and contents for framing and customizing your map print. Each option is described and illustrated below.

**Overview Layout** – Provides a map of your route and a route summary (trip distance, trip time, start, total stops, and finish).



Map with Route

Route Summary:  
Trip Distance, Trip  
Time, Start Location ID  
and Finish Location ID

# DRAFT COPY

**Travel Package Layout** – Provides maps of the route with corresponding directions.

If you choose this option, you also need to specify the width in miles per page that you want covered along the route from the **Miles Per Page** drop-down list in the **Route** options. You can preview the effect on the print output by clicking on the **View** button.

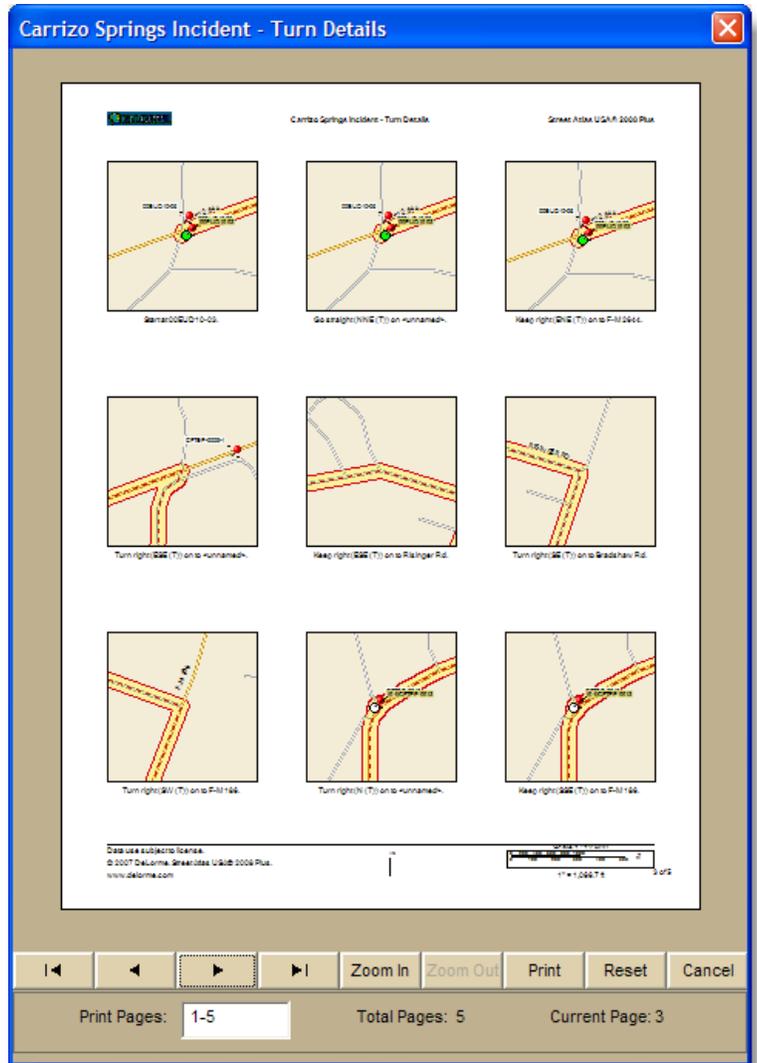
*Note:* When setting the number of miles per page, keep in mind that the number of miles equals the width of the strip map in miles and determines the scale of the map.

Map with Route

Directions

Dist	Turn	Road	Exit	Finish Time	Finish Dist
	Start	at 00EUD10-03		01:40:52	48.58 mi
	Go straight (NNE)	on unnamed-		01:40:52	48.58 mi
in 0.01 mi	Keep right (ENE)	on to FM 2844		01:40:51	48.55 mi
in 1.45 mi	Turn right (E)	on to unnamed-		01:39:24	48.10 mi
in 0.15 mi	Stop	at CFTSP-0009-1		01:37:53	44.92 mi
	Go straight (SSW)	on unnamed-		01:37:53	44.92 mi

**Turn Details Layout** – Prints 2-inch x 2-inch maps of each of the turns in your route directions.



**DRAFT COPY**

**Directions Layout** – Provides action-based directions (turn, merge, bear, depart, arrive, and continue), including the time frame for each action.

**Carrizo Springs Incident - Directions**

Dist	Turn	Road	Exit	Total Time	Total Dist
	Start	DOEJUD-03		00:00:00	0.00 mi
0.01 mi	Go straight (NNE)	unnamed-		00:00:00	0.01 mi
1.45 mi	Keep right (ENE)	FM 2544		00:02:25	1.46 mi
3.77 mi	Turn right (ESE)	unnamed-		00:23:09	11.24 mi
5.25 mi	Turn right (SE)	Bradshaw Rd		00:23:46	11.49 mi
6.89 mi	Turn right (SW)	FM 188		00:25:25	12.19 mi
4.33 mi	Turn right (N)	unnamed-		00:32:44	16.52 mi
0.04 mi	Keep right (SSE)	FM 188		00:32:45	16.56 mi
1.90 mi	Keep right (NE)	unnamed-		00:35:25	18.16 mi
5.15 mi	Turn left (N)	unnamed-		00:42:40	24.31 mi
0.23 mi	Turn left (NNW)	unnamed-		00:49:02	24.59 mi
0.35 mi	Turn right (NNE)	FM 188		00:49:52	24.94 mi
1.29 mi	Turn left (WSW)	Barrier Farms Rd		00:52:02	26.23 mi
1.16 mi	Go straight (N)	unnamed-		00:54:47	27.33 mi
0.04 mi	Go straight (ENE)	Barrier Farms Rd		00:54:48	27.42 mi
1.16 mi	Turn left (SSW)	FM 188		00:57:33	28.57 mi
1.55 mi	Turn left (E)	unnamed-		01:00:09	30.13 mi
4.73 mi	Turn right (ENE)	RANCH 1557 (FM 1557) (FARM 1557 N)		01:11:26	34.86 mi
0.96 mi	Turn right (NE)	unnamed-		01:13:43	35.82 mi
2.74 mi	Turn right (SE)	US 83		01:20:15	38.56 mi
2.47 mi	Keep right (SSE)	FM 190		01:23:25	41.03 mi
0.33 mi	Turn right (SW)	RANCH 1916		01:24:48	41.61 mi
0.89 mi	Keep right (W)	unnamed-		01:31:55	44.80 mi
3.49 mi	Finish	CFTEP-0025-2		01:40:14	48.03 mi

© 2007 Delorme StreetAtlas USA® 2008 Plus  
www.delorme.com

Print Pages: 1-5 Total Pages: 5 Current Page: 2

**Along the Way Layout** – This layout style is not available in Field Responder. (More information about this style, however, is available in Street Atlas’ Help.)

# DRAFT COPY

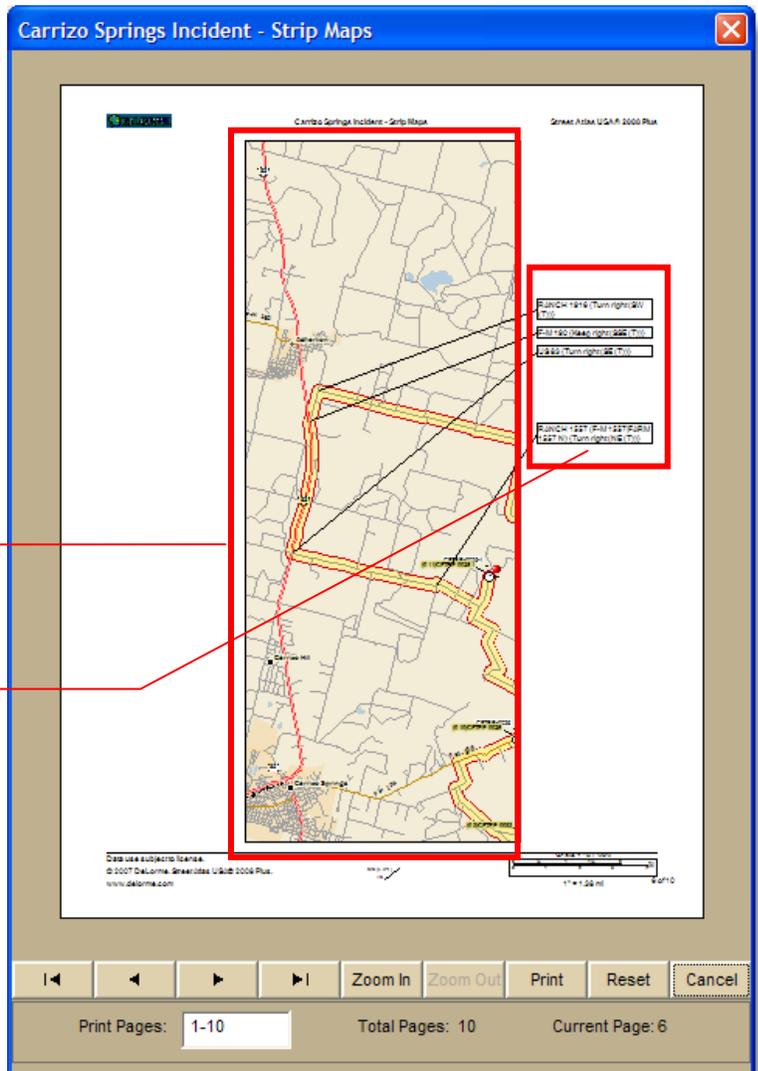
**Strip Maps Layout** – Provides detailed maps that show the direction of travel of the route, along with directions which appear in the map printout’s margin. Strip maps are not printed North Up like other printed maps. They are printed so that the direction of your travel is always toward the top of the printed map.

If you choose this option, you also need to specify the width in miles per page that you want covered along the route from the **Miles Per Page** drop-down list in the **Route** options. You can preview the effect on the print output by clicking on the **View** button.

*Note:* When setting the number of miles per page, keep in mind that the number of miles equals the width of the strip map in miles and determines the scale of the map.

Map with Route

Turn-by-Turn Directions



## 4C Printing Map/Route Information

To print your map, do the following:

1. In the Route Block, specify any route-specific settings.
2. In the Options Block, click the check box for the formatting/printing option that you want to apply to your map.
3. Print your map by clicking the **Print** button that appears to the right of the Route Block on the **Print Tab** (refer back to the screenshot directly underneath *4B Printing Route Maps and Information* ).