Freight Map Application Tutorial
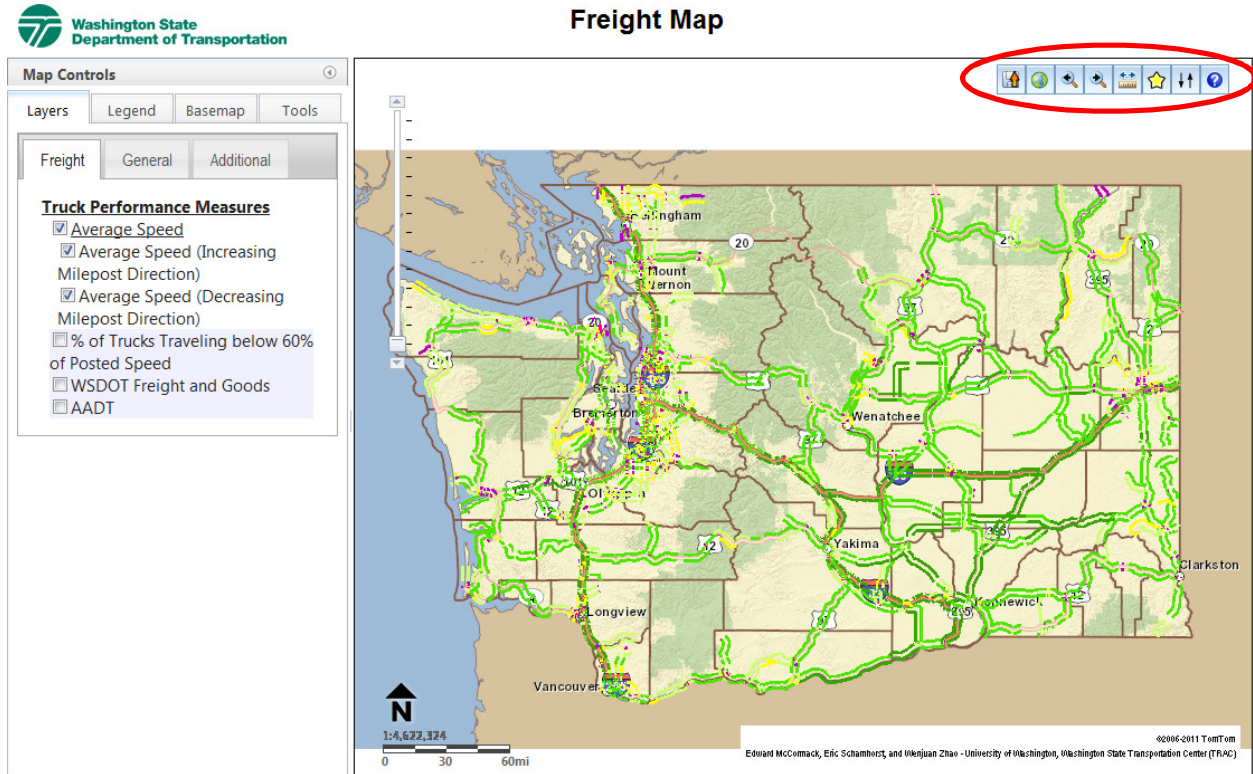
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Note: Please direct any questions or comments regarding this document, or the map itself, to Wenjuan Zhao at zhaow@wsdot.wa.gov or (360) 705-6990.

Navigation Toolbar

Seven tools for navigating the map are available at the top right side of the screen (circled in the graphic below). The functionality of each is described below.

- Click to export graphics.

- Click to zoom out to full map view.

- Click to zoom to previous extent (Only available if there is a previous extent to return to.)

- Click to zoom to next extent (Only available if you have previously used the Zoom to previous extent button.)

-- Click to choose different measurement tools: area, distance and location.

-- Click to save and share the link of this application, zoomed to the current extent and with the current layers selected.

-- Click to drag items in this list to reorder layers.

 -- Click to access help webpage. Provide Map help document, FAQ, feedback link, and map navigation information.
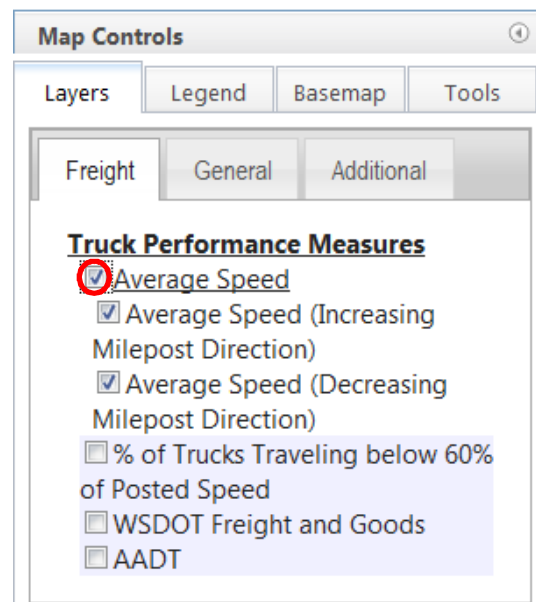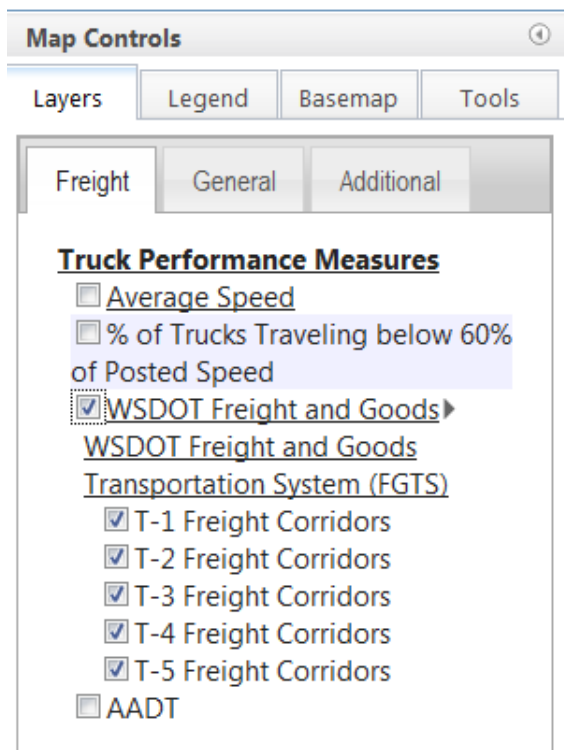
Layers

At the left side of the screen, under Map Controls heading, there are four level-one tabs: Layers, Legend, Basemap, and Tools. Under Layers, there are three level-two tabs: Freight, General, and Additional.
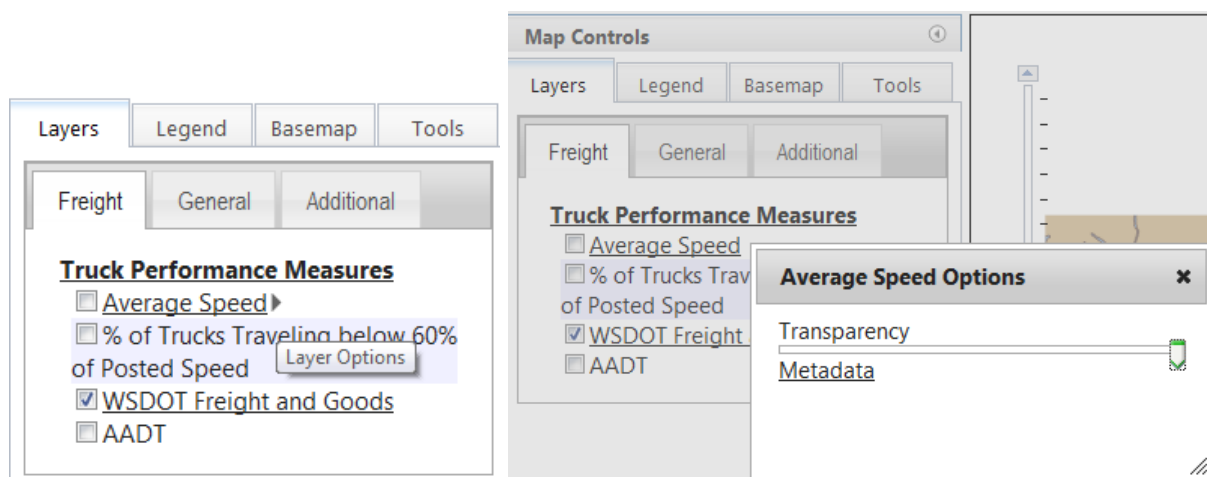
Freight

Six data layers are available under the Freight tab. Clicking in the check box (circled in red in the graphic) toggles the display of that layer on or off.

By clicking the check box for "AADT Truck Percentage", "Average Speed", or "% of Trucks Traveling below 60% of Posted Speed", two sublayers will show up under the checked layer, one for increasing milepost direction and the other for decreasing milepost direction. The sublayers can be turned on or off by clicking the check box next to them.
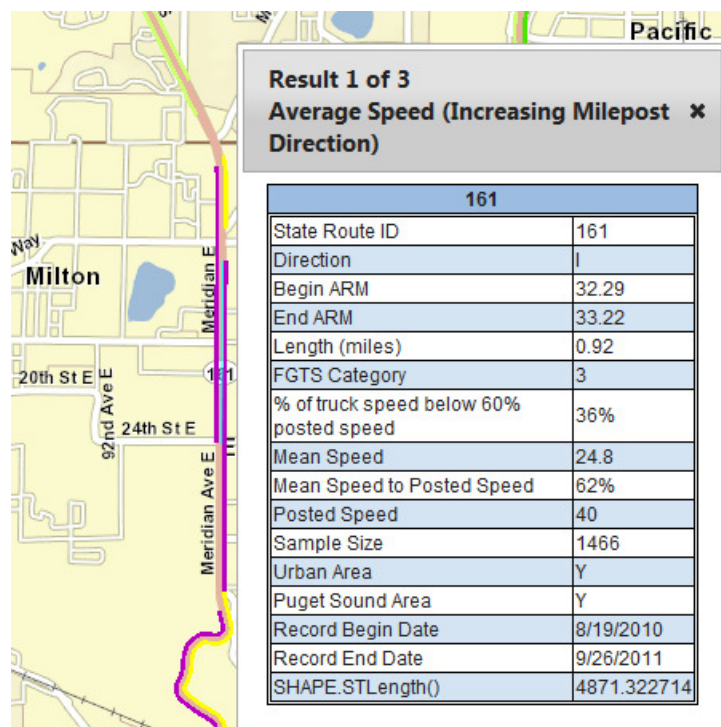

The "WSDOT Freight and Goods Transportation System (FGTS)" data layer has five sublayers: 1) T-1 Freight Corridors; 2) T-2 Freight Corridors; 3) T-3 Freight Corridors; 4) T-4 Freight Corridors; 5) T-5 Freight Corridors. Each sublayer can be turned on or off by clicking the check box next to the sublayer name. The definitions of FGTS and corridor categories can be found in the Help document:

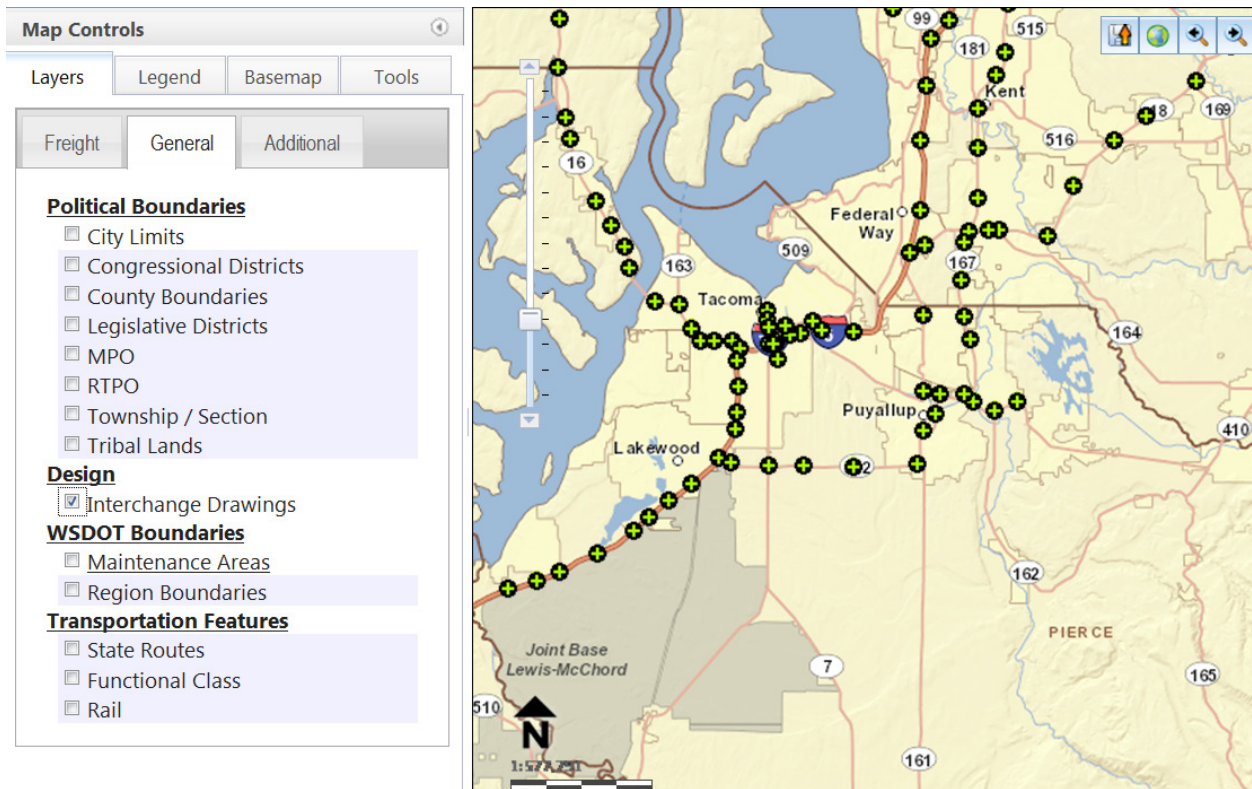http://www.wsdot.wa.gov/data/tools/geoportal/help/Freight/public/Help.pdf

Move the cursor to a data layer name, an arrow will show up on the right side of the name. By clicking on that arrow, a layer option window will pop up. Users can adjust the transparency of selected data layers, or view the metadata by clicking on "metadata".

Users can click on points on the displayed data layer to retrieve data for specific roadway segments. The data is provided in a pop-up window that contains attribute information for the selected data layer.
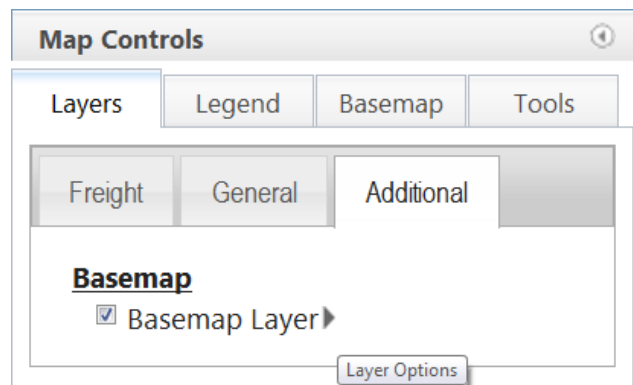

Result 1 of 3 — Average Speed (Increasing Milepost Direction)	
161	
State Route ID	161
Direction	I
Begin ARM	32.29
End ARM	33.22
Length (miles)	0.92
FGTS Category	3
% of truck speed below 60% posted speed	36%
Mean Speed	24.8
Mean Speed to Posted Speed	62%
Posted Speed	40
Sample Size	1466
Urban Area	Y
Puget Sound Area	Y
Record Begin Date	8/19/2010
Record End Date	9/26/2011
SHAPE.STLength()	4871.322714

General

Four sets of data layers are available under the General tab: Political Boundaries, Design, WSDOT Boundaries, and Transportation Features. Users can turn on or turn off data layers by clicking on the check box on the left side of the layer name. Users can also click on points on the displayed data layer to retrieve detailed attribute information for the selected location.
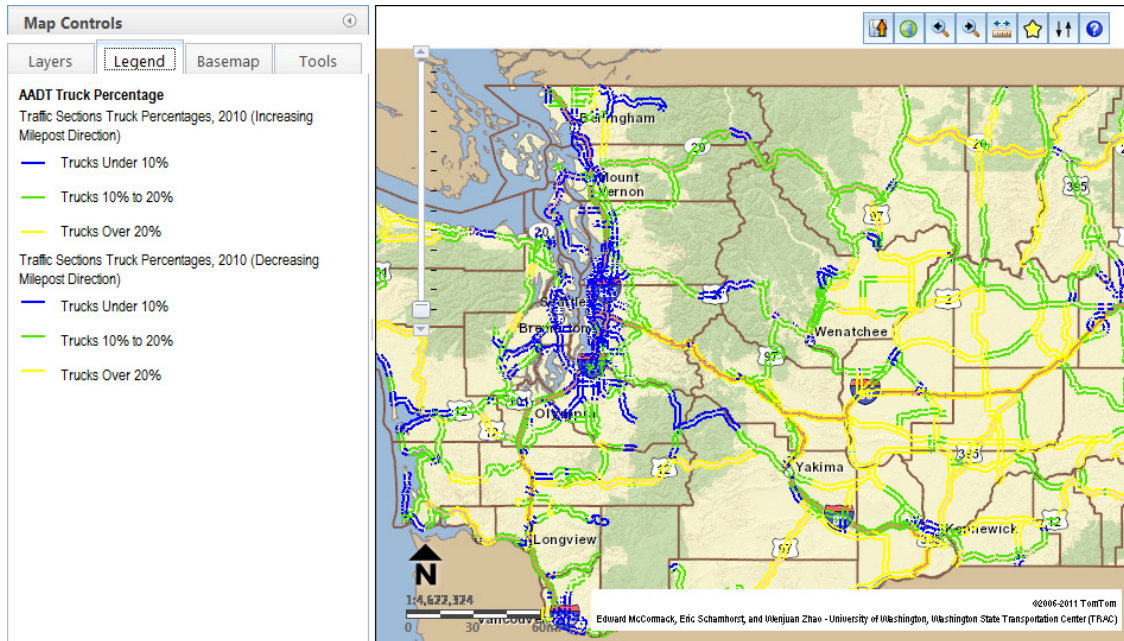
Additional

The displayed basemap layer is available under the Additional tab. Users can turn on or turn off the basemap by clicking in the check box. Users can also adjust the map transparency by clicking on "Layer options" to the right of the layer name.
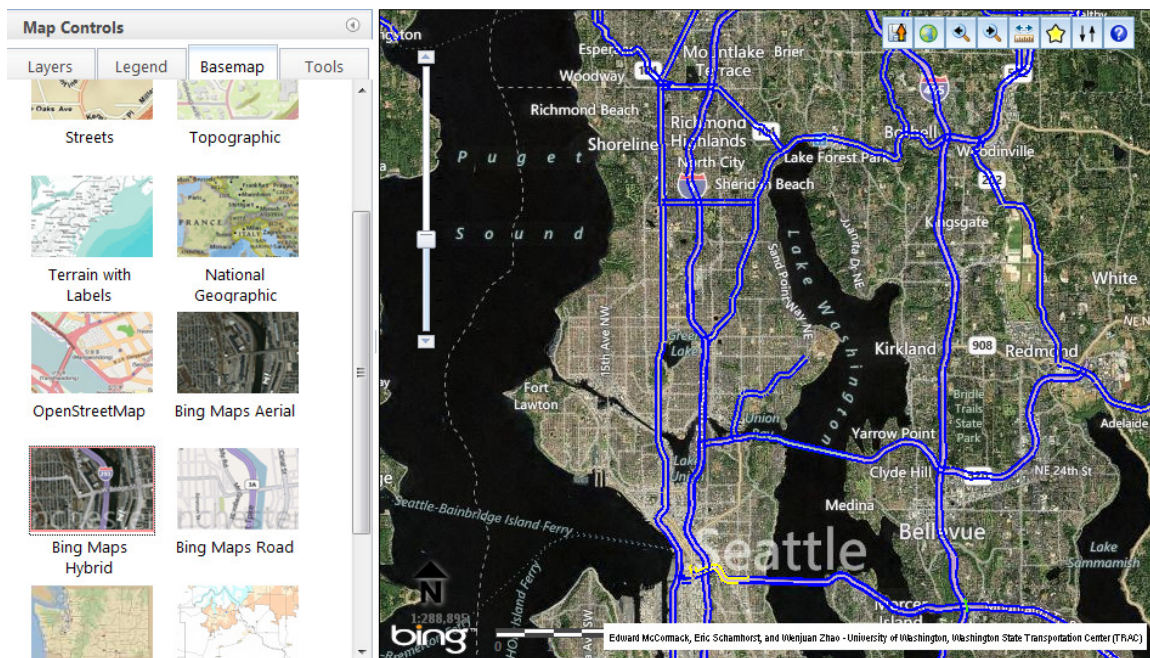
Legend

Legend is the second level-one tab under the Map Controls heading. Legend information for the displayed data layer is available here.

Basemap

Fourteen different basemaps are available under the Basemap tab. Users can change the displayed basemap by clicking in the map that they are interested in.
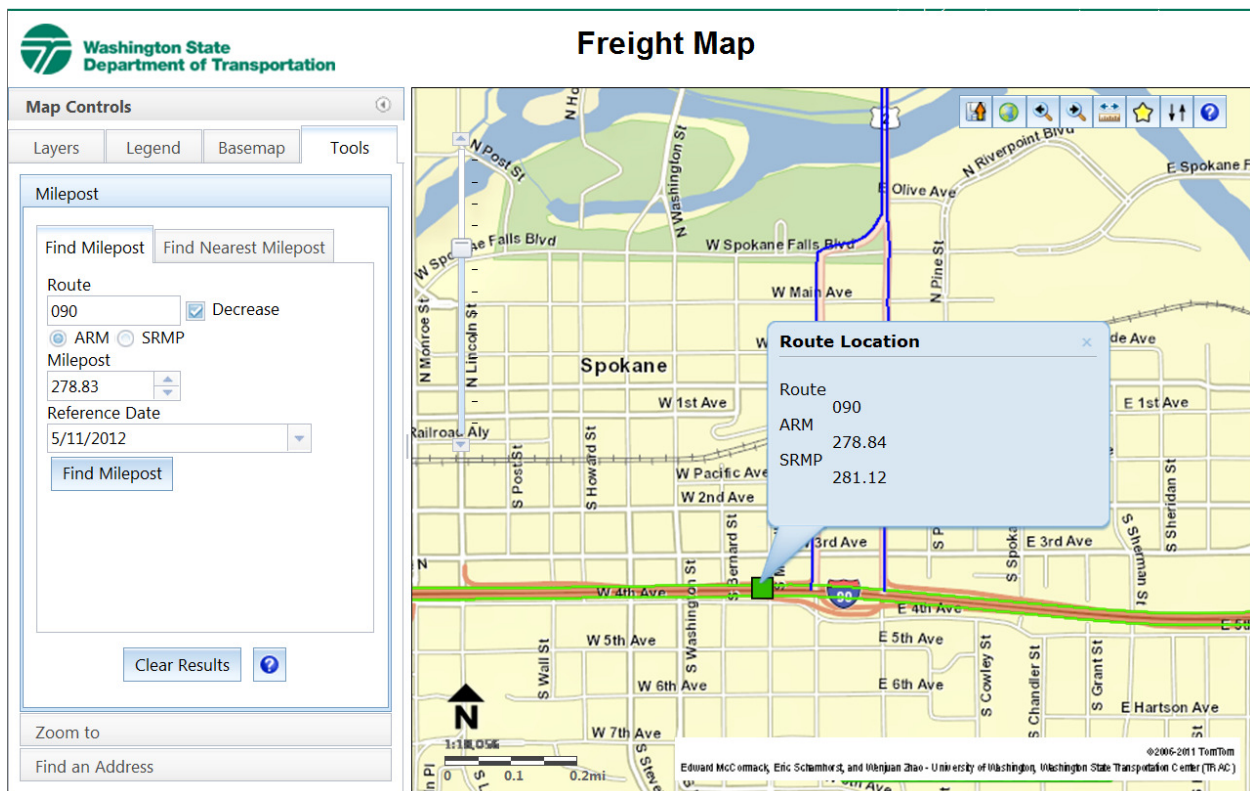
Tools

Three menus are available under the Tools Tab: Milepost, Zoom to, and Find an Address.

Milepost

Two functions are available under the Milepost menu: Find Milepost, and Find Nearest Milepost. The Find Milepost tab can be used to locate a specified milepost on a state route. To use this tool, users need to enter a 3-digit Route Number, specify the route direction (unclick Decrease if it is the increasing direction), select the milepost type (ARM or SRMP), enter a value into the "Milepost" textbox, and choose the Reference Date.

The Find Nearest Milepost tool can be used to find the nearest milepost on a state route to where the mouse is clicked. To use this tool, users need to enter a search radius into the Radius textbox, click the find button, and then click the map to add a point.

Zoom to

This tool can be used to zoom to a specific latitude and longitude location, county, city, or urban area. To use Zoom to XY function, users need to enter the X and Y coordinate in the corresponding boxes and then click the Zoom to XY button. To zoom to a specific jurisdiction, users can either enter the county, city or urban area name in the text box or select it from the drop-down menu.

Find an Address

Enter a street address, city and zip code in the text box in the Find an Address menu, and then click on find button. The closest match in the software's address database will be shown in green.