

State Highway Patrol Mapping Tool



TRAINING MANUAL

Revised May 2019

Transportation Planning
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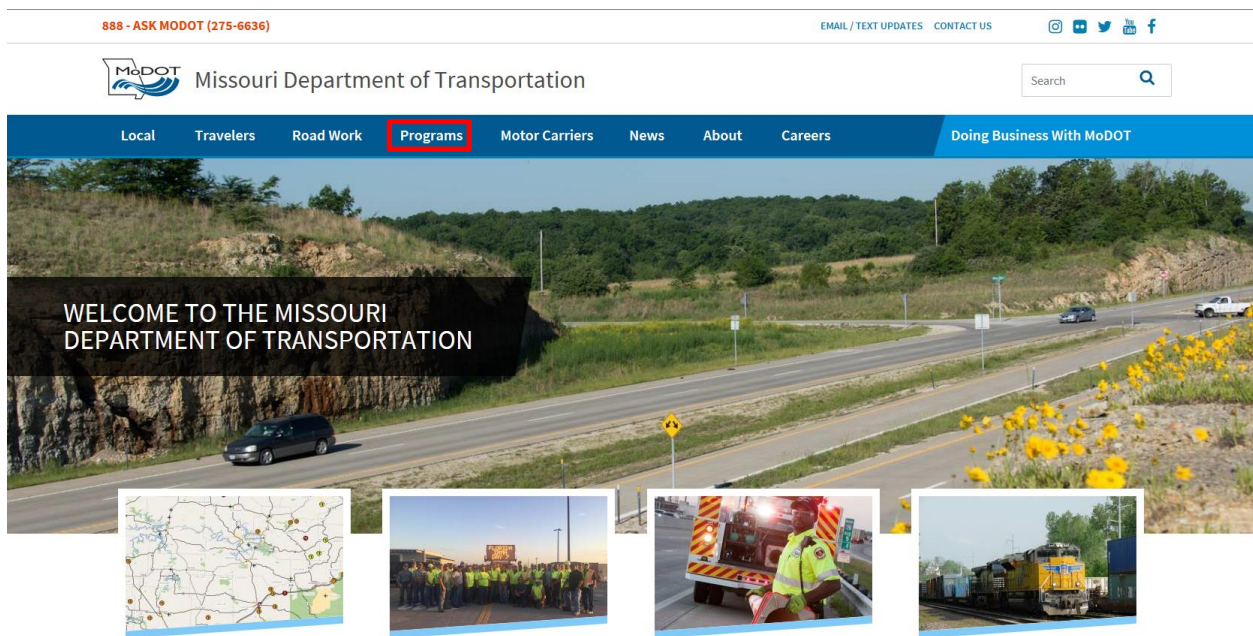
Introduction

The State Highway Patrol Mapping Tool has recently been updated. It is now more user friendly when looking for crash locations. Some of the features consist of easier zooming into a particular location, having the longitude and latitude in the look-up box, and the ability to have the Emergency Reference Markers (ERMs) displayed on the map.

The web pages will appear different but will function in the same way.

Getting Started

To start working with the HP Mapping Tool, locate the application on the Missouri Department of Transportation homepage.



- Under "Programs", a drop-down list will appear.
- From the list, choose "Highway Safety".



Missouri Department of Transportation

Local	Travelers	Road Work	Programs	Motor Carriers	News
Being Green	Memorial Designations	Multimodal	Planning Studies		
Design-Build	Adopt-A-Highway	Partnership Development	STIP		
Diversity & Inclusion	Highway Safety	Planning/Performance	Traffic Safety		
Environmental Studies	Historic Preservation	Support			
External Civil Rights	Long Range Plan	Research			

- On the “Highway Safety” homepage, select “State Highway Patrol Mapping Tool” located on the left side of the page.

HIGHWAY SAFETY

EXPLORE THIS TOPIC

About Highway Safety

Save MO Lives

Seat Belts

Booster Seats

Older Drivers

Ignition Interlock

Tips for a Breakdown

Highway Safety Grants

Mobilization Reporting

Order Highway Safety Publications

State Highway Patrol Mapping Tool

State Highway Patrol Location Book

About Highway Safety

In 2017, 932 people were killed in traffic crashes – reducing by 325 since 2005, Missouri’s all time high traffic fatality total of 1,257.

Overall, since 2005, traffic deaths decreased 26 percent, due to the combined efforts of highway safety advocates in the Missouri Coalition for Roadway Safety. The coalition credits a combination of law enforcement, educational efforts, emergency medical services and engineering enhancements as the successful formula for saving lives.

The Missouri Department of Transportation is committed to reducing the number of injuries and deaths on Missouri roadways. As part of the [Missouri Coalition for Roadway Safety](#), the department supports *Missouri’s Blueprint - A Partnership Toward Zero Deaths* - a comprehensive guide for reducing fatal and serious injuries on our roadways.

National research indicates that people play a significant part in contributing to motor vehicle crashes. In fact, a study concluded that human factors were definite or probable causes in about 94 percent of crashes, while environmental and vehicle factors contributed to about 33 and 13 percent, respectively. Please do your part to help prevent traffic crashes.

[View the 2018 Highway Safety and Performance Plan.](#)

TRAFFIC CRASH STATISTICS

YouTube

The following web page will be displayed.



Search Dialog Box

To find a travelway, click on any travelway or use the search box. The samples below indicate what text should be entered in the search box when searching by route, latitude/longitude or travelway ID.

Example: Roadway Name

- Interstate 44: "IS 44"
- US 54 West in Cole County: "US 54 W COLE"
- Route T: "RT T"

Example: Travelway Near a Latitude and Longitude

- Latitude 38.1, Longitude -91.2: "38.1, -91.2"
- Latitude 38.1, Longitude -91.2: "-91.2, 38.1"

Example: Degrees, Minutes and Seconds

- 39 56 47.7, -93.44 18.9
- -93 44 18.9, 36.56 47.7

Example: Travelway ID

- Travelway ID 19: tw 19
- Travelway ID 19: twid 19
- Travelway ID 19: travelway 19

Roadway Name

Numbered Route Searches

As shown on the previous page, there are several ways to enter information in the search box.

MoDOT HP MAPS [Minimize](#) - [Help](#)

is 70 E x

Location

On Route:

Roadway Direction:

Distance:

Location:

Intersecting:

Intersecting Direction:

Route ID:

Reference Point:

Latitude:

Longitude:

County:

City:

[Export Form](#)

Offset

feet before selected

[Re-calculate](#)

Tools

[Show Log Book](#) [Clear](#) [Base Map](#)

[Zoom](#) [Save Point](#) [Measure](#)

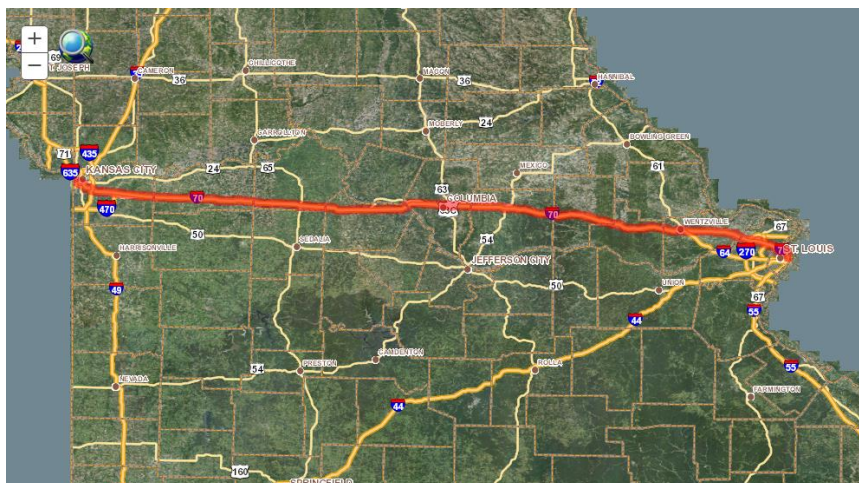
- Type "IS 70 E" – put a space between the "E" and the "7" or you will get a listing for ramps.
- Press the "Enter" key on your keyboard, or click the "Search" icon - the "Choose a Travelway" dialog box will be displayed.

The selection returns with the top 25 routes.

Choose a Travelway ✕

Action	Travelway
Select	IS 70 E, CALLAWAY Co (19)
Select	IS 70 E, JACKSON Co (19)
Select	IS 70 E, FORISTELL (19)
Select	IS 70 E, EDMUNDSON (19)
Select	IS 70 E, WENTZVILLE (19)
Select	IS 70 E, EMMA (19)
Select	IS 70 E, ODESSA (19)
Select	IS 70 E, ENTIRE ROUTE (19)
Select	IS 70 E, LAFAYETTE Co (19)
Select	IS 70 E, COOPER Co (19)
Select	IS 70 E, WARREN Co (19)
Select	IS 70 E, SALINE Co (19)
Select	IS 70 E, BOONE Co (19)
Select	IS 70 E, MONTGOMERY Co (19)
Select	IS 70 E, NORTHWOODS (19)
Select	IS 70 E, NORMANDY (19)
Select	IS 70 E, CONCORDIA (19)
Select	IS 70 E, BOONVILLE (19)
Select	IS 70 E, COLUMBIA (19)
Select	IS 70 E, BOONVILLE (19)
Select	IS 70 E, JONESBURG (19)
Select	IS 70 E, ODESSA (19)

- Click the “Select” button next to “IS 70 E, Entire Route” – the following results will be displayed.



MoDOT HP MAPS Minimize Help

is 70 e

Location

On Route:

Roadway Direction:

Distance:

Location:

Intersecting:

Intersecting Direction:

Route ID:

Reference Point:

Latitude:

Longitude:

County:

City:

Export Form

Offset feet = before selected =

Re-calculate

Tools

Show Log Book Clear Base Map

Zoom Save Point Measure

The entire route of IS 70 is indicated by the red line on the map. To view the entire route, click the “Minimize” link at the top right-hand side to reduce the search box.

Another way to search for a travelway is to drill down closer to a specific area.

MoDOT HP MAPS [Minimize](#) - [Help](#)

is 70 E

Location

On Route: IS 70

Roadway Direction: E

Distance: 871 feet

Location: BEFORE

Intersecting: RA IS70E MINEOLA (EJ)

Intersecting Direction: E

Route ID: 19

Reference Point: 167.158

Latitude: 38 d 53 m 50.09 s

Longitude: -91 d 35 m 55.61 s

County: MONTGOMERY

City:

[Export Form](#)

Offset

871 feet before selected

[Re-calculate](#)

Tools

[Show Log Book](#) [Clear](#) [Base Map](#)

[Zoom](#) [Save Point](#) [Measure](#)

- Click the "Clear" button.
- In the "Search" box, enter "US 54 W Cole" – make sure there are spaces between the designation, name, direction and county.
- Press the "Enter" key on the keyboard, or click the "Search" icon – the "Choose a Travelway" dialog box will be displayed.

MoDOT HP MAPS [Minimize](#) - [Help](#)

us 54 w cole

Location

On Route:

Roadway Direction:

Distance:

Location:

Intersecting:

Intersecting Direction:

Route ID:

Reference Point:

Latitude:

Longitude:

County:

Offset

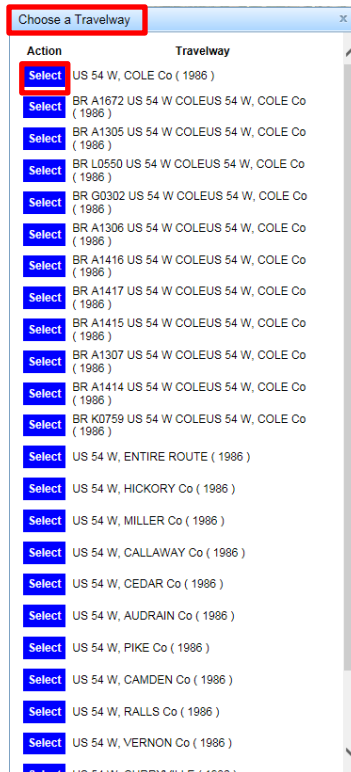
feet after selected

[Re-calculate](#)

Tools

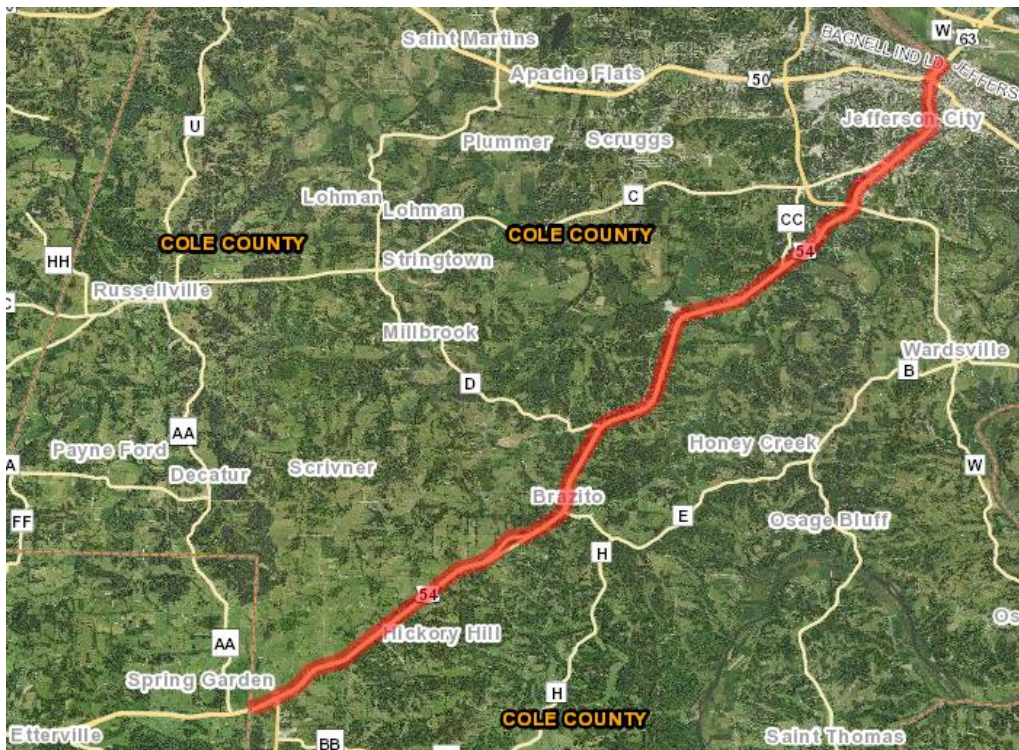
[Show Log Book](#) [Clear](#) [Base Map](#)

[Zoom](#) [Save Point](#)



➤ From the travelway list, click the “Select” button next to “US 54 W, Cole Co”.

US 54 W in Cole County is highlighted in red.



Lettered Route Searches

NOTE: To clear the search box, click the "X".



- Enter "RT AC E".
- Press the "Enter" key on your keyboard or click the "Search" icon.

The following results will be displayed.

Action	Travelway
Select	RT AC E, ENTIRE ROUTE (7263)
Select	RT AC E, BOONE Co (7263)
Select	RT AC E, COLUMBIA (7263)
Select	BR A2393 RT AC E BOONERT AC E, BOONE Co (7263)
Select	RT AC E, ENTIRE ROUTE (1056372)
Select	RT AC E, PERRY Co (1056372)
Select	RT AC E, PERRYVILLE (1056372)
Select	RT AC E, PERRYVILLE (1056372)
Select	RT AC E, PERRYVILLE (1056372)
Select	RT AC E, ENTIRE ROUTE (794)
Select	RT AC E, STODDARD Co (794)
Select	RT AC E, BLOOMFIELD (794)
Select	RT AC E, ENTIRE ROUTE (4796)
Select	RT AC E, BENTON Co (4796)

As shown on the "Choose a Travelway" box, every county and city with a "RT AC E" is displayed. Since there are many RT ACs within the state, the counties and cities have been added for easier look up. Minimize the list by entering the county name in the search box.

- Enter "RT AC Bloom" in the search box.
- Press the "Enter" key on your keyboard or click the search icon.

The following results will be displayed on the following page.

The screenshot shows the MoDOT HP MAPS interface. On the left, a 'Choose a Travelway' dialog box is open, displaying a list of travelways. The first two items, 'RT AC E, BLOOMFIELD (794)' and 'RT AC W, BLOOMFIELD (795)', are highlighted with red boxes. Each item has a blue 'Select' button to its left. The main map area on the right shows a map of Bloomfield, Indiana, with a red line indicating the selected travelway. The map form on the right includes fields for 'Location', 'On Route', 'Roadway Direction', 'Distance', 'Location', 'Intersecting', 'Intersecting Direction', 'Route ID', 'Reference Point', 'Latitude', 'Longitude', 'County', and 'City'. There are also buttons for 'Export Form', 'Re-calculate', 'Show Log Book', 'Clear', 'Base Map', 'Zoom', 'Save Point', and 'Measure'.

Action	Travelway
Select	RT AC E, BLOOMFIELD (794)
Select	RT AC E, ENTIRE ROUTE (794)
Select	RT AC W, BLOOMFIELD (795)
Select	RT AC W, ENTIRE ROUTE (795)
Select	RT AC W, ENTIRE ROUTE (7264)
Select	RT AC S, ENTIRE ROUTE (1319)
Select	RT AC W, ENTIRE ROUTE (1056373)
Select	RT AC E, ENTIRE ROUTE (7263)
Select	RT AC N, ENTIRE ROUTE (7804)
Select	RT AC S, ENTIRE ROUTE (2857)
Select	RT AC E, ENTIRE ROUTE (1056372)
Select	RT AC N, ENTIRE ROUTE (1320)
Select	RT AC N, REYNOLDS Co (1320)
Select	RT AC N, DENT Co (1320)

Both directions appear for RT AC in Bloomfield at the top of the selection, and then the top ten routes for "AC" within the state appear.

Select the desired direction, and the travelway will be highlighted in red in Bloomfield.

- Select "RT AC E, Bloomfield (794)" from the list.

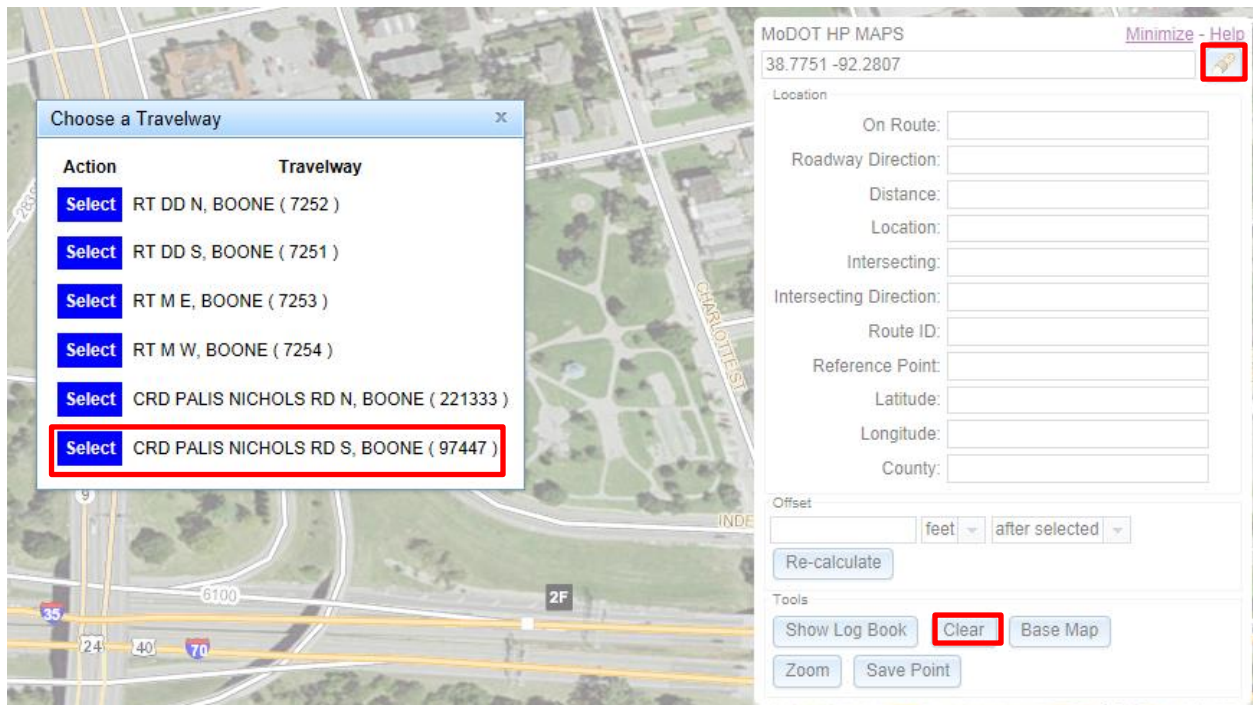


Longitude and Latitude Searches

Another search engine to use for locations is using latitude and longitude.

- Click the "Clear" button in the search box.
- Enter the longitude and latitude in the search dialog box.
 - Latitude 38.7751, Longitude -92.2807: "38.7751, -92.2807"
 - Latitude 38.7751, Longitude -92.2807: "-92.2807, 38.7751"
- Press the "Enter" key on your keyboard or the "Search" icon.

The longitude and latitude can be entered in any order.



By picking the longitude and latitude, you can see six travelways in Boone County are displayed.

- Select the travelway "CRD PALIS NICHOLS RD S" in Boone County.

The following map will be displayed.



Degrees, Minutes and Seconds Searches

To search by degrees, minutes and seconds, do the following:

- Click the "Clear" button to refresh the dialog box.
- In the search section, enter the degrees, minutes and seconds by the following procedure.
 - Enter "39 56 47.7, -93 44 18.9" (make sure there is a space between each section and a comma after the latitude and before the minus sign).

MoDOT HP MAPS [Minimize](#) - [Help](#)

39 56 47.7, -93 44 18.9 🔍

Location

On Route:

Roadway Direction:

Distance:

Location:

Intersecting:

Intersecting Direction:

Route ID:

Reference Point:

Latitude:

Longitude:

County:

Offset

feet before selected

Tools

- Press the "Enter" key on the keyboard, or click on the "Search" icon.

The following travelway data will be displayed.

Choose a Travelway ✕	
Action	Travelway
<input type="button" value="Select"/>	RT U N, LIVINGSTON (4573)
<input type="button" value="Select"/>	RT U S, LIVINGSTON (4572)

- Click the "Select" button next to the travelway.

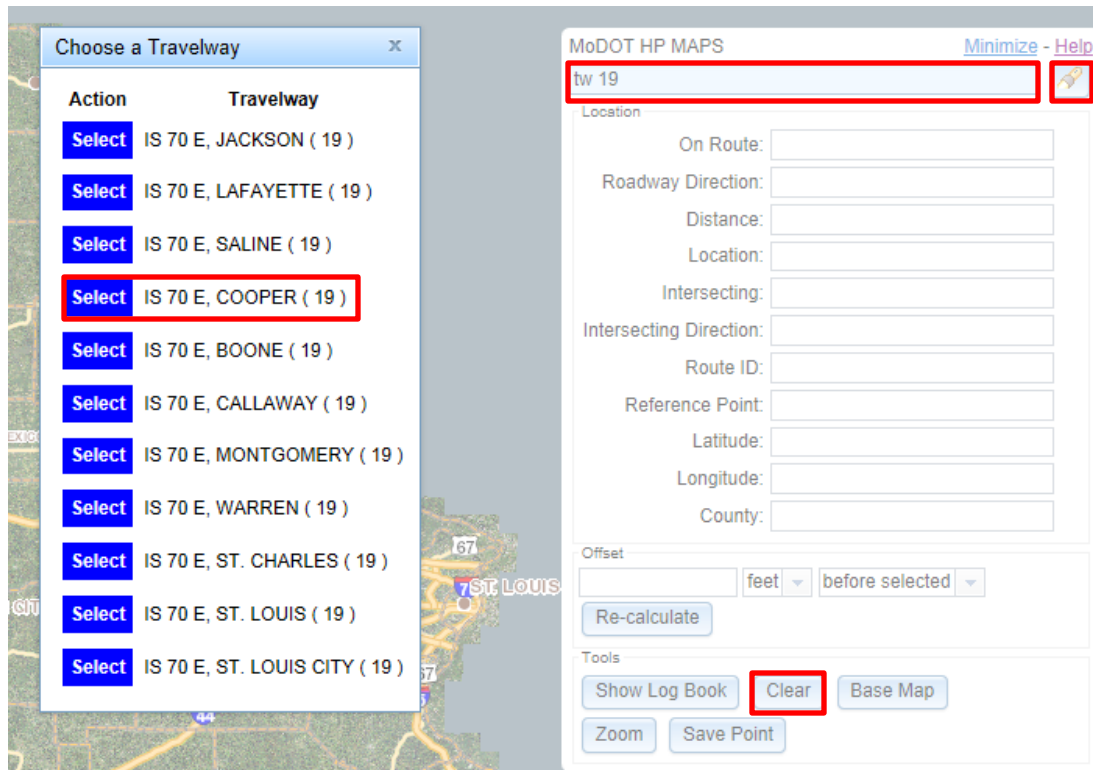


The entire route of RT U in Livingston County is indicated by the red line. The blue circle represents the coordinates.

Travelway ID Searches

Another way to search for a location is by travelway ID. If the travelway ID is known, enter it into the system using one of the three ways listed below.

- Click the "Clear" button to refresh the search dialog box.
- Enter the travelway ID.
 - Travelway ID 19: tw 19
 - Travelway ID 19: twid 19
 - Travelway ID 19: travelway 19
- Press the "Enter" key on your keyboard, or click the "Search" icon.



As shown, IS 70 E is listed by county, and the travelway ID is listed to the right in parentheses. Select the desired county, and the travelway will be highlighted in red for the county.

- Click the "Select" button next to "IS 70 E, Cooper".

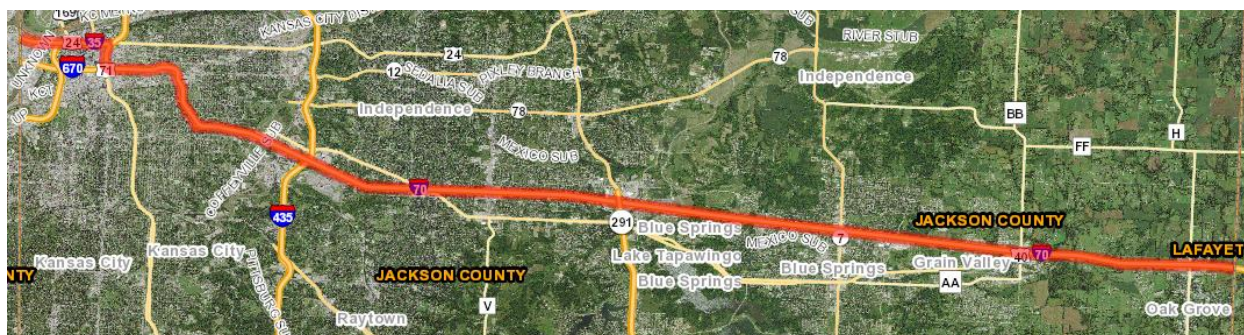
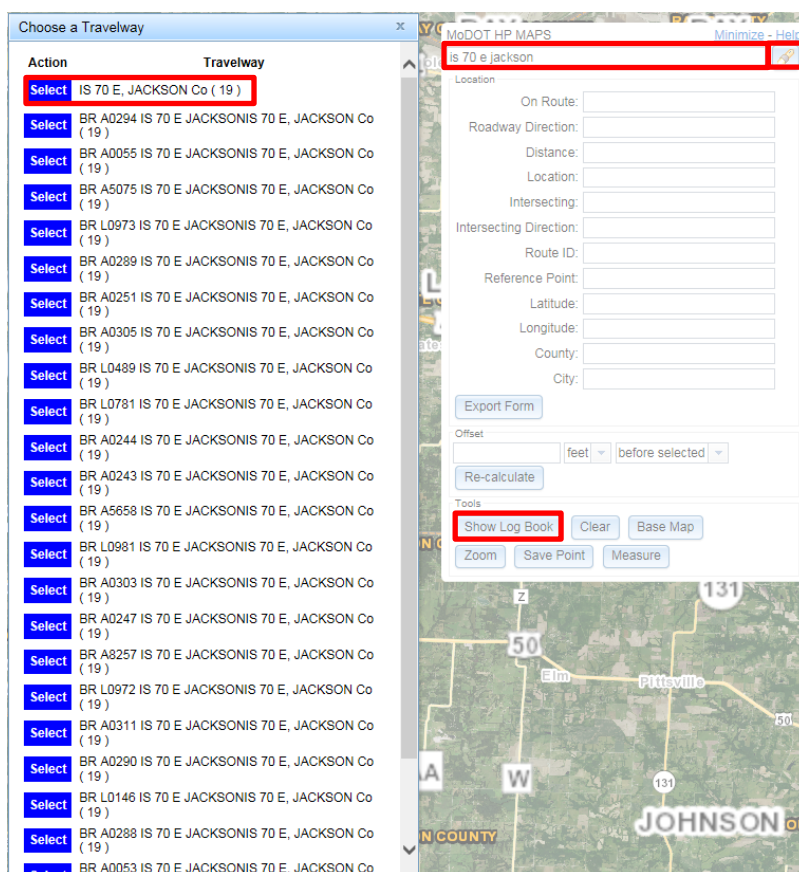


NOTE: In the search box, the travelway information is not case sensitive. This allows the travelway information to be entered in any format (for example, is 70 e or IS 70 E). Also, press the "Clear" button to perform a new search.

Show Log Book

The "Show Log Book" is used to see all the intersecting streets and bridges for a particular travelway selected.

- Enter the search criteria – "IS 70 E Jackson".
- Press the "Enter" key on the keyboard, or click the "Search" icon. The map route will be displayed in red.
- The "Choose a Travelway" dialog box will be displayed – press the "Select" button next to "IS 70 E, Jackson".



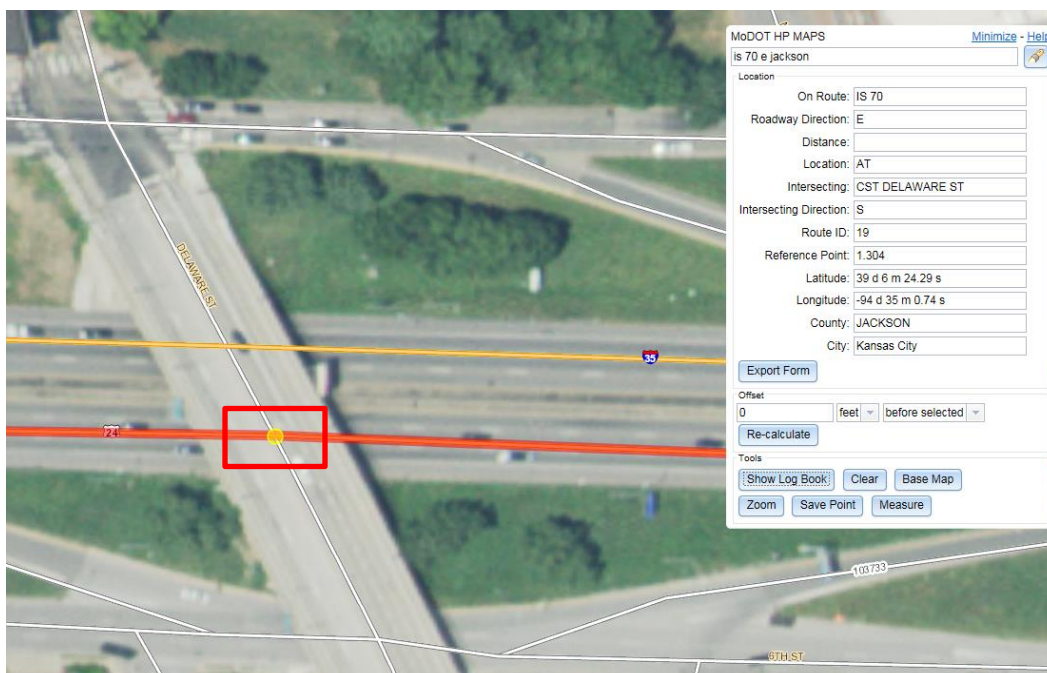
Once you click on the map, if the intersection closest to the crash is not referenced, use the “Show Log Book” button to display all of the available intersections. For example, a crash happened on IS 70 E, and it automatically entered the intersection of MO 9 S. Use the “Show Log Book” button to pick the intersection that best meets the needs of your situation. The offset field can also be used to adjust the crash location as needed.

- Click on the “Show Log Book” button (refer to page 19).

Log Book			
RP 103731 IS35N TO SIXTH ST	1.234	JACKSON	
ERM EAST IS 70 MILE 1.4	1.257	JACKSON	
CST DELAWARE ST S	1.304	JACKSON	
CST DELAWARE ST N	1.304	JACKSON	
RP 103733 SIXTH ST TO IS35N	1.407	JACKSON	
CST WALNUT ST N	1.416	JACKSON	
CST WALNUT ST S	1.416	JACKSON	
ERM EAST IS 70 MILE 1.6	1.427	JACKSON	
CST GRAND BLVD N	1.486	JACKSON	
CST GRAND BLVD S	1.486	JACKSON	
RP 286695 IS35N TO MO9N	WJ 1.499	JACKSON	
RP 103735 IS35N TO SIXTH ST	1.499	JACKSON	
RP 5926 MO9S TO IS35N	WJ 1.606	JACKSON	
ERM EAST IS 70 MILE 1.8	1.618	JACKSON	
CST HEART OF AMERICA BRDG S	1.652	JACKSON	
MO 9 S	1.652	JACKSON	
CST HEART OF AMERICA BRDG N	1.659	JACKSON	
MO 9 N	1.659	JACKSON	
RP 227622 SIXTH ST TO MO9N	1.709	JACKSON	
RP 286695 IS35N TO MO9N	EJ 1.709	JACKSON	
RP 5926 MO9S TO IS35N	EJ 1.74	JACKSON	

mo

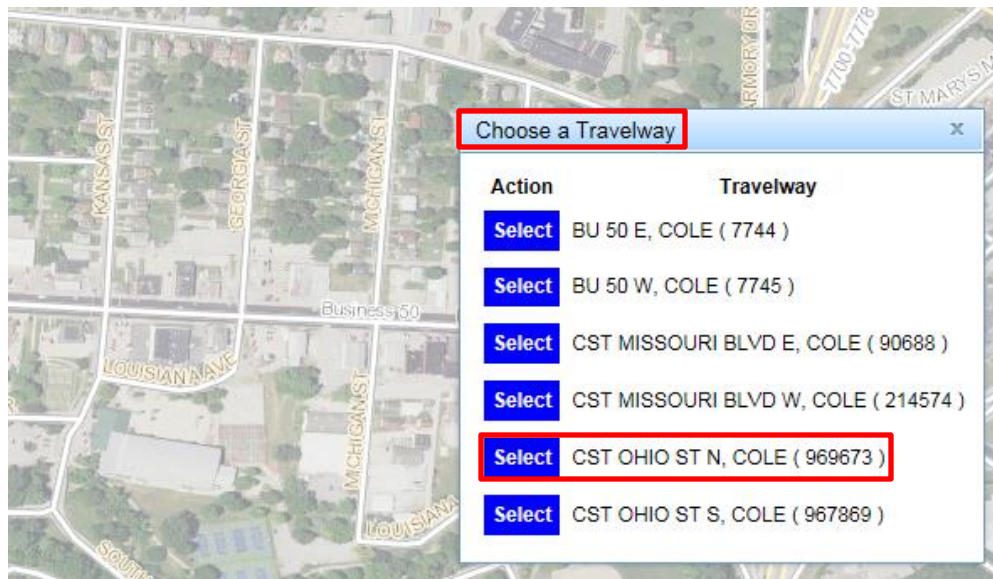
- Select the correct route.
- Close the log book by clicking the “Hide Log Book” button.



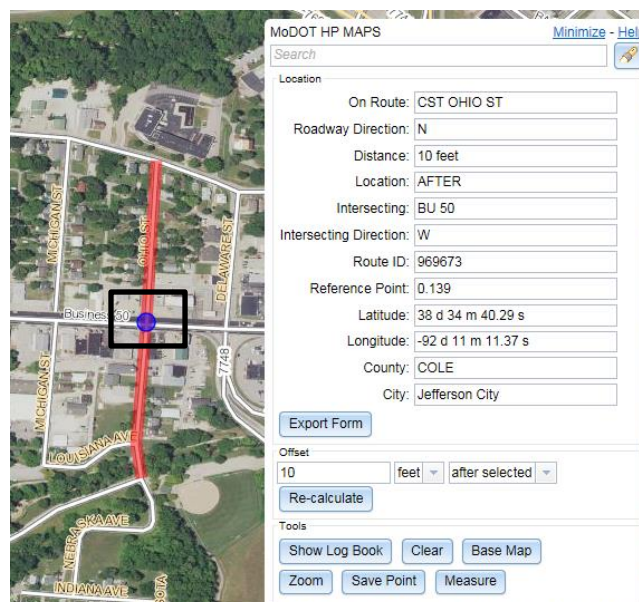
Choosing an Intersection

If you are just searching on the map and click a location, a blue dot will appear on the map for the location selected.

- Zoom into the location on the map.
- Select the intersection, and the “Choose a Travelway” dialog box will be displayed.

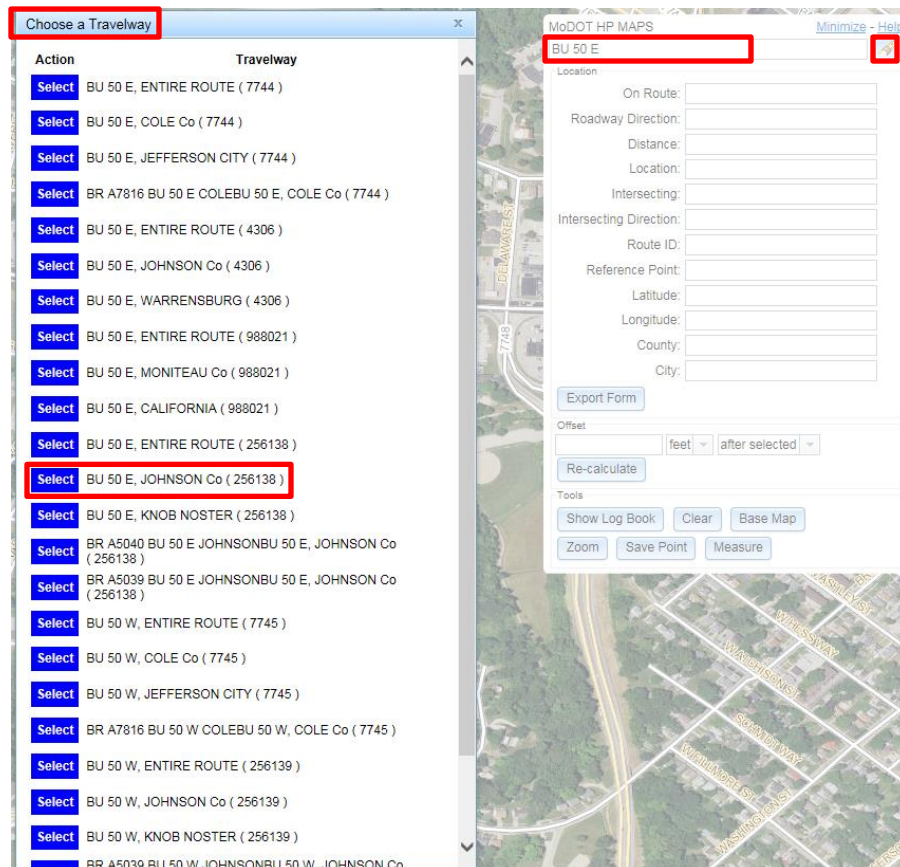


- Click the “Select” button next to “CST Ohio St N, Cole (969673)”.

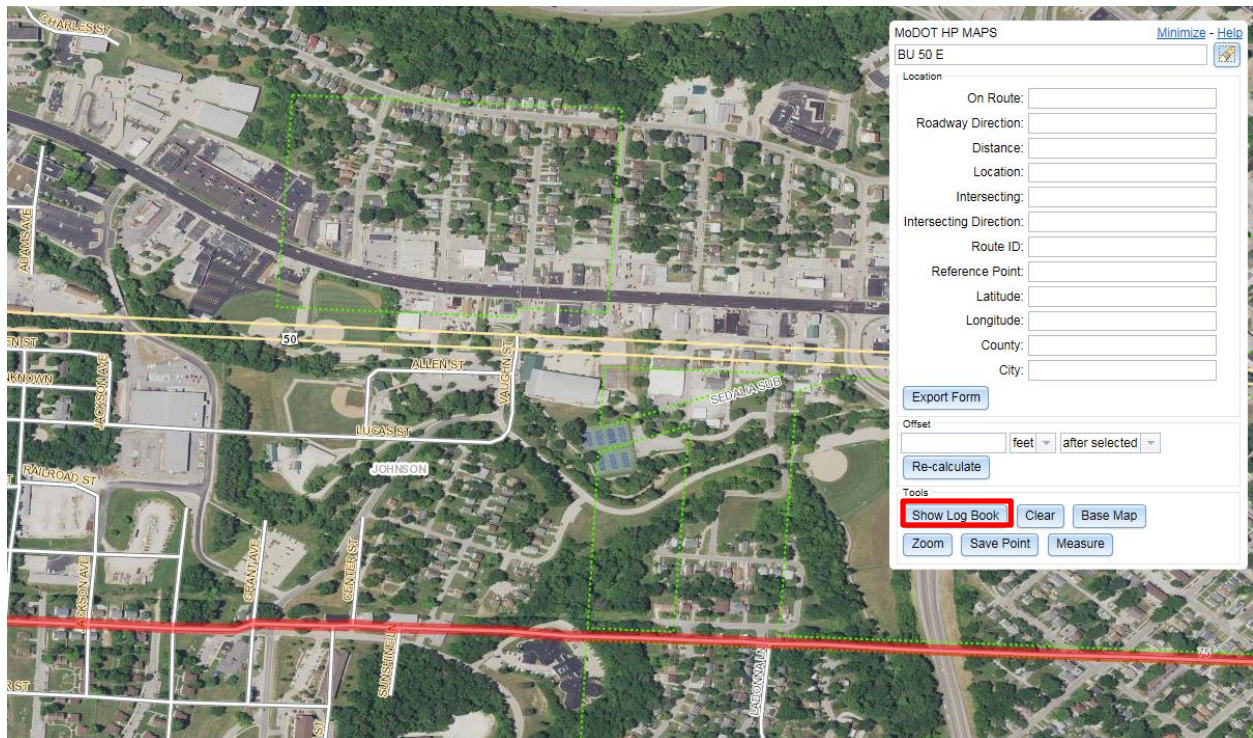


When selecting an intersection from the Log Book, the dot on the map will be yellow.

- In the "Search" box, enter a location – "BU 50 E".
- Press the "Enter" key on the keyboard, or click the "Search" icon. The "Choose a Travelway" dialog box will be displayed.



- Click the "Select" button next to "BU 50 E Johnson Co (256138)".
- The route will be displayed in red.
- Click the "Show Log Book" button (see next page).



Log Book		
Description	Jct Log Mile	County
RP 7828 MO23 TO US50W	0	JOHNSON
MO 23 N	WJ 0	JOHNSON
MO 23 S	WJ 0	JOHNSON
BEGIN JOHNSON COUNTY	0	JOHNSON
RP 7826 US50W TO MO23	0	JOHNSON
BRIDGE A5040 US 50	0.046	JOHNSON
US 50 W	WJ 0.062	JOHNSON
US 50 E	WJ 0.075	JOHNSON
RP 7827 MO23 TO US50E	0.133	JOHNSON
RP 7825 US50E TO MO23	0.133	JOHNSON
BRIDGE A5039 UP RR	0.194	JOHNSON
CST MCPHERSON ST W	WJ 0.302	JOHNSON
CST MCPHERSON ST E	WJ 0.302	JOHNSON
MO 23 S	EJ 0.302	JOHNSON
MO 23 N	EJ 0.302	JOHNSON
CST DEERBROOK DR N	0.385	JOHNSON
CST DEERBROOK DR S	0.385	JOHNSON
CST HARRISON ST S	0.526	JOHNSON
CST HARRISON ST N	0.526	JOHNSON
CST WASHINGTON AVE S	0.593	JOHNSON

Search [Search](#) [Show ERM](#) [Hide ERM](#) [Hide Log Book](#)

Use the scroll bar to see all the intersections and bridges for Johnson County on BU 50 E.

- Select "MO 23 S EJ". There are two MO 23 S intersections on BU 50 E in Johnson County, one on the west junction and one on the east junction.
- Click the "Hide Log Book".

NOTE: See page 23 for the picture for both instructions above.

MoDOT HP MAPS [Minimize](#) [Help](#)

BU 50 E

Location

On Route: BU 50

Roadway Direction: E

Distance:

Location: AT

Intersecting: MO 23 (EJ)

Intersecting Direction: S

Route ID: 256138

Reference Point: 0.302

Latitude: 38 d 45 m 55.69 s

Longitude: -93 d 33 m 59.36 s

County: JOHNSON

City: Knob Noster

Export Form

Offset

0 feet after selected

Re-calculate

Tools

Show Log Book Clear Base Map

Zoom Save Point Measure

A yellow dot will be displayed where BU 50 E crosses MO 23 (EJ) S. The "MoDOT HP MAPS" dialog box will display the information pertaining to the location selected.

Show ERM

MoDOT has Emergency Reference Markers (ERMs) located on all interstates and a few US travelways. To see the ERM for a route, do the following:

- Select an intersection.
- Click the "Show Log Book" button.
- Click the "Show ERM" button on the "Log Book" page. After clicking on the button, the ERM will be listed. They are located every 0.2 mile.

Offset

feet

before selected

Re-calculate

Tools

Show Log Book

Clear

Base Map

Zoom

Save Point

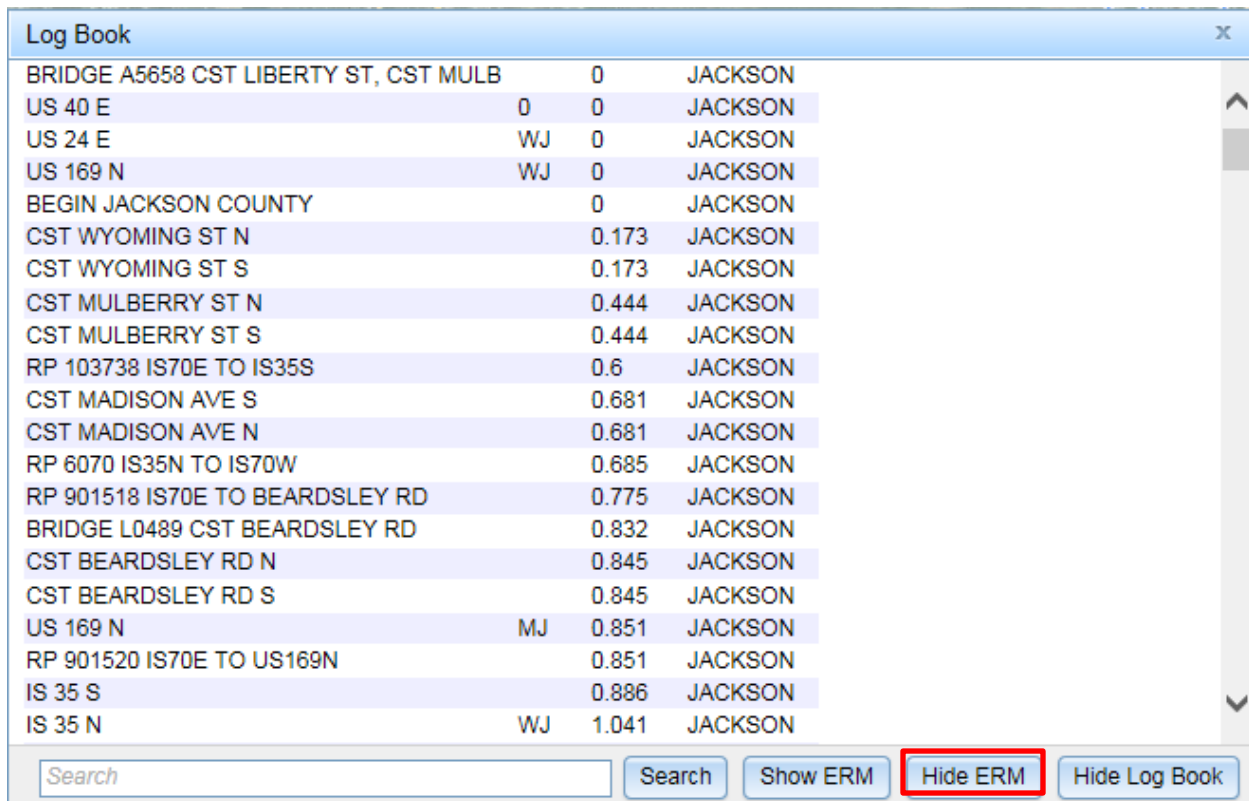
Measure

Log Book				
	Description	Jct	Log Mile	County
	US 40 E	0	0	JACKSON
	US 24 E	WJ	0	JACKSON
	US 169 N	WJ	0	JACKSON
	ERM EAST IS 70 MILE 0.0		0	JACKSON
	BRIDGE A5658 CST LIBERTY ST, CST MULB	0		JACKSON
	BEGIN JACKSON COUNTY	0		JACKSON
	ERM EAST IS 70 MILE 0.2		0.137	JACKSON
	CST WYOMING ST S		0.173	JACKSON
	ERM EAST IS 70 MILE 0.4		0.287	JACKSON
	CST MULBERRY ST S		0.444	JACKSON
	ERM EAST IS 70 MILE 0.6		0.528	JACKSON
	RP IS70E TO IS35S S		0.6	JACKSON
	CST MADISON AVE S		0.681	JACKSON
	RP IS35N TO IS70W W		0.685	JACKSON
	ERM EAST IS 70 MILE 0.8		0.77	JACKSON
	RP IS70E TO BEARDSLEY RD S		0.775	JACKSON
	RR UNKNOWN S		0.812	JACKSON
Show ERM Hide ERM Hide Log Book				

Hide ERM

To turn off the ERMs, do the following:

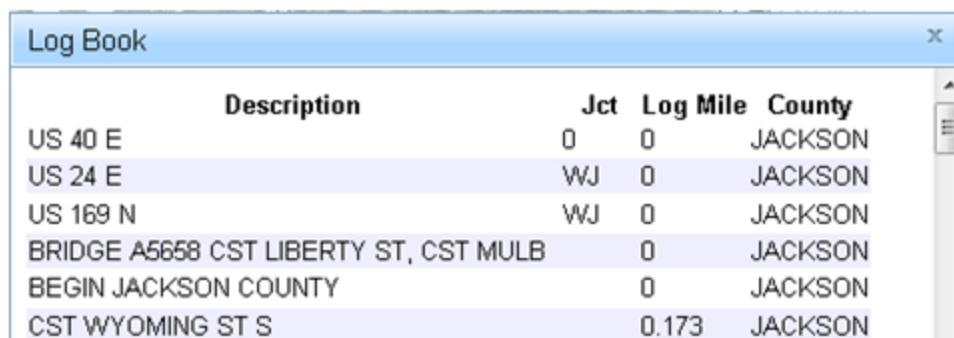
- Click the "Hide ERM" button.



Log Book

BRIDGE A5658 CST LIBERTY ST, CST MULB	0	JACKSON
US 40 E	0 0	JACKSON
US 24 E	WJ 0	JACKSON
US 169 N	WJ 0	JACKSON
BEGIN JACKSON COUNTY	0	JACKSON
CST WYOMING ST N	0.173	JACKSON
CST WYOMING ST S	0.173	JACKSON
CST MULBERRY ST N	0.444	JACKSON
CST MULBERRY ST S	0.444	JACKSON
RP 103738 IS70E TO IS35S	0.6	JACKSON
CST MADISON AVE S	0.681	JACKSON
CST MADISON AVE N	0.681	JACKSON
RP 6070 IS35N TO IS70W	0.685	JACKSON
RP 901518 IS70E TO BEARDSLEY RD	0.775	JACKSON
BRIDGE L0489 CST BEARDSLEY RD	0.832	JACKSON
CST BEARDSLEY RD N	0.845	JACKSON
CST BEARDSLEY RD S	0.845	JACKSON
US 169 N	MJ 0.851	JACKSON
RP 901520 IS70E TO US169N	0.851	JACKSON
IS 35 S	0.886	JACKSON
IS 35 N	WJ 1.041	JACKSON

Search Search Show ERM **Hide ERM** Hide Log Book



Log Book

Description	Jct	Log Mile	County
US 40 E	0	0	JACKSON
US 24 E	WJ	0	JACKSON
US 169 N	WJ	0	JACKSON
BRIDGE A5658 CST LIBERTY ST, CST MULB	0		JACKSON
BEGIN JACKSON COUNTY	0		JACKSON
CST WYOMING ST S	0.173		JACKSON

Offset

A crash may not occur directly on an intersection. Use the "Offset" dialog box to locate the crash in the correct location.

For example, here is the intersection where the crash was originally located.

MoDOT HP MAPS [Minimize](#) - [Help](#)

is 70 e jackson

Location

On Route: IS 70

Roadway Direction: E

Distance:

Location: AT

Intersecting: MO 9

Intersecting Direction: S

Route ID: 19

Reference Point: 1.652

Latitude: 39 d 6 m 23.57 s

Longitude: -94 d 34 m 37.45 s

County: JACKSON

City: Kansas City

[Export Form](#)

Offset

0 x feet before selected

[Re-calculate](#)

Tools

[Show Log Book](#) [Clear](#) [Base Map](#)

[Zoom](#) [Save Point](#) [Measure](#)

For this example, the crash occurred 76 feet after MO 9 S.

- Enter "76" in the "Offset" box. There will be an option for feet or miles.
- In the drop-down box, choose "after selected".
- Click the "Re-calculate" button.

MoDOT HP MAPS [Minimize](#) - [Help](#)

is 70 e jackson

Location

On Route: IS 70

Roadway Direction: E

Distance:

Location: AT

Intersecting: MO 9

Intersecting Direction: S

Route ID: 19

Reference Point: 1.652

Latitude: 39 d 6 m 23.57 s

Longitude: -94 d 34 m 37.45 s

County: JACKSON

City: Kansas City

[Export Form](#)

Offset

76 feet after selected

[Re-calculate](#)

Tools

[Show Log Book](#) [Clear](#) [Base Map](#)

[Zoom](#) [Save Point](#) [Measure](#)

The new calculations of the crash location are shown below.

MoDOT HP MAPS [Minimize](#) [Help](#)

is 70 e jackson

Location

On Route: IS 70

Roadway Direction: E

Distance: 76 feet

Location: AFTER

Intersecting: MO 9

Intersecting Direction: S

Route ID: 19

Reference Point: 1.66

Latitude: 39 d 6 m 23.55 s

Longitude: -94 d 34 m 36.51 s

County: JACKSON

City: Kansas City

Export Form

Offset

76 feet after selected

Re-calculate

Tools

Show Log Book Clear Base Map

Zoom Save Point Measure

Base Map

The “Base Map” button on the “MoDOT HP MAPS” dialog box is used to change the look of the map. The default map shows the roads with aerial photography in the background.



- Click the “Base Map” button.

Offset

feet before selected

Re-calculate

Tools

Show Log Book

Clear

Base Map

Zoom

Save Point

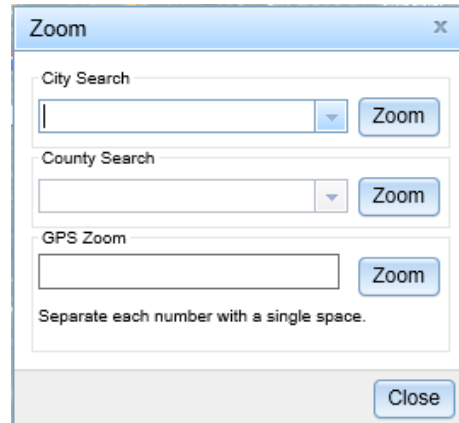
Measure

The aerial photography is turned off.



Zoom Button

A "Zoom" button has been added to the main panel. The "Zoom" button will display three dialog boxes: "City Search", "County Search" and "GPS Zoom".

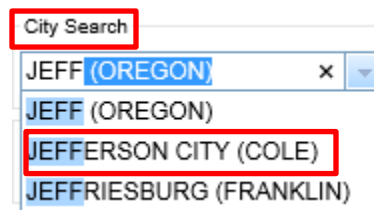


The screenshot shows a dialog box titled "Zoom" with a close button (X) in the top right corner. Inside the dialog, there are three search sections: "City Search" with a text input field and a "Zoom" button; "County Search" with a dropdown menu and a "Zoom" button; and "GPS Zoom" with a text input field and a "Zoom" button. Below these sections is a note: "Separate each number with a single space." At the bottom right of the dialog is a "Close" button.

City Search

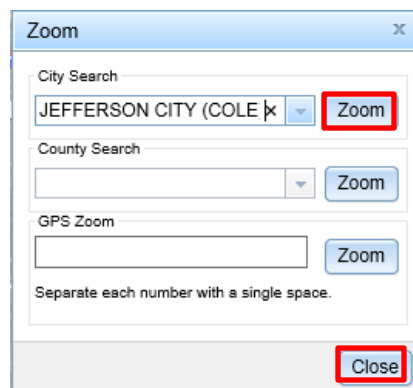
To zoom to a city, type the city name (for example, Jefferson City) in the "City Search" box.

- In the "City Search", type "Jeff".



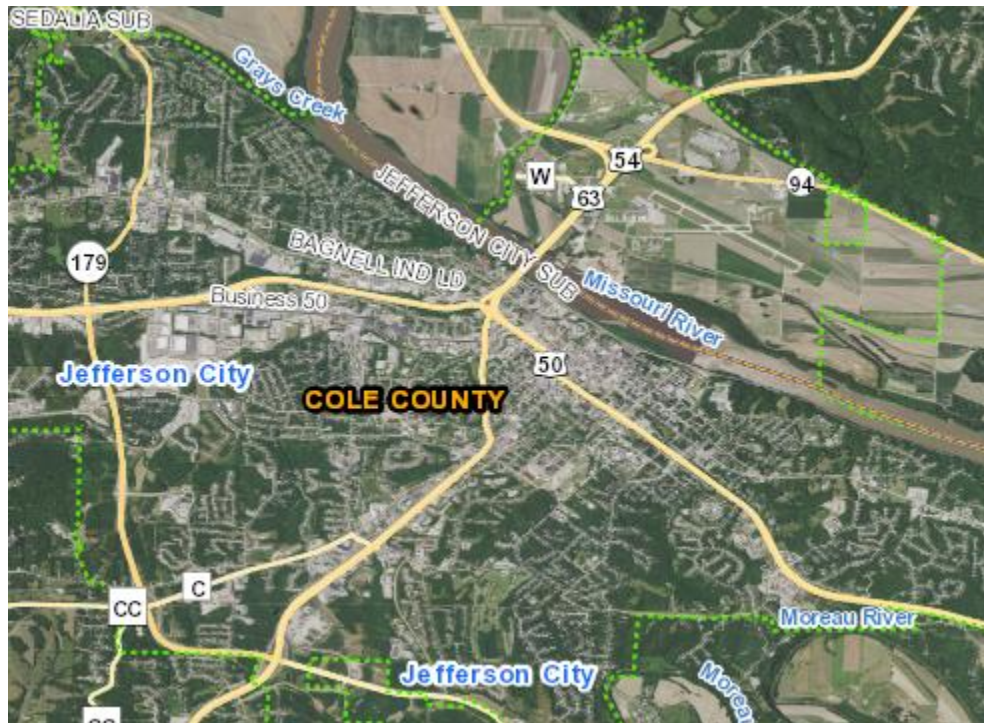
The screenshot shows the "City Search" dropdown menu. The search input field contains "JEFF (OREGON)". The dropdown list displays three options: "JEFF (OREGON)", "JEFFERSON CITY (COLE)", and "JEFFRIESBURG (FRANKLIN)". The option "JEFFERSON CITY (COLE)" is highlighted with a red box.

- Select "Jefferson City (Cole)".
- Click the "Zoom" button.



The screenshot shows the "Zoom" dialog box with the following selections: "JEFFERSON CITY (COLE)" in the City Search dropdown, and the "Zoom" button next to it. The "County Search" dropdown is empty, and the "GPS Zoom" input field is empty. The "Close" button at the bottom right is also highlighted with a red box.

- Click the "Close" button – Jefferson City will be displayed.



County Search

For the County Search, you will perform the same steps as searching for a city with the exception entering a county name.

To zoom to a specific county, type the county name in the "County Search" box.

- Type "Mi" in the "County Search" box.

A screenshot of a web application's "County Search" interface. At the top, there's a search box containing the text "MILLER" with a clear button (x) and a dropdown arrow. Below the search box, a list of search results is displayed: "MILLER" and "MISSISSIPPI". The "MISSISSIPPI" result is highlighted with a red rectangular border. To the right of each result is a blue "Zoom" button. At the bottom of the interface is a gray bar with a blue "Close" button. Below the search results, there is a small text instruction: "Separate each number with a single space."

- Select "Mississippi" from the list.
- Click the "Zoom" button – this will flow to the county.
- Click the "Close" button.

Zoom x

City Search
 Zoom

County Search
MISSISSIPPI Zoom

GPS Zoom
 Zoom

Separate each number with a single space.

Close



GPS Zoom

This search is used to locate crashes by GPS.

- Type the GPS coordinates in the "GPS Zoom" box.
- Click the "Zoom" button – this will zoom to the location.
- Click the "Close" button.



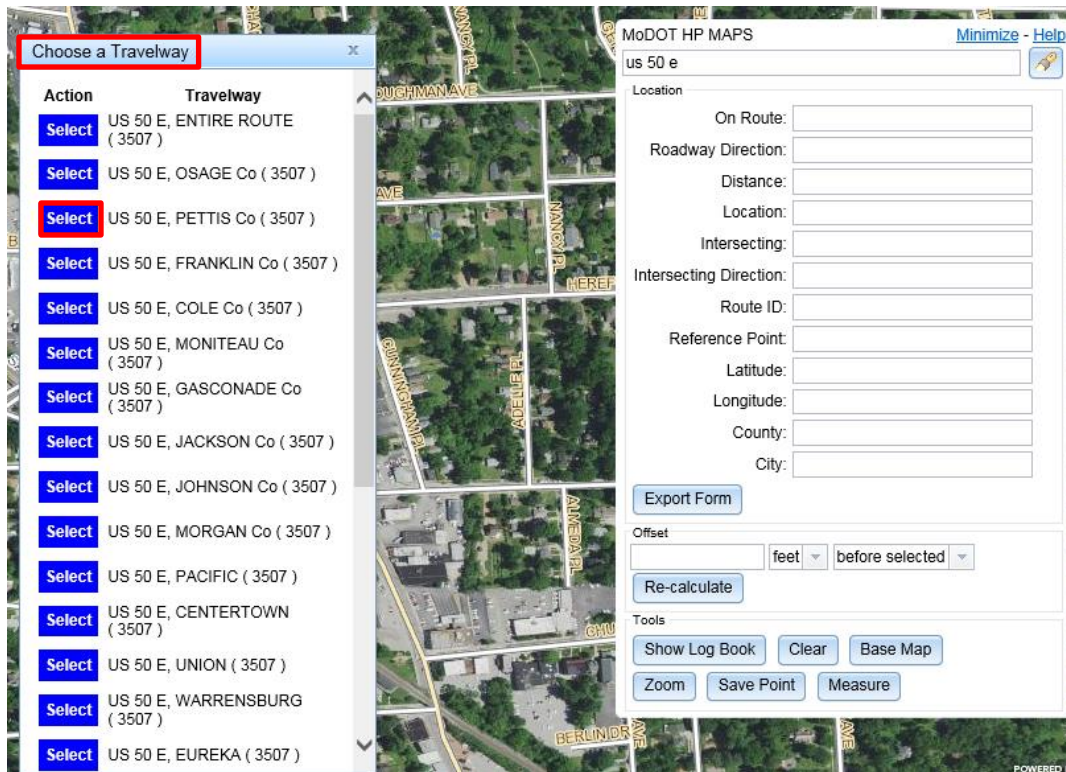
The location will be outlined with a blue dot.

NOTE: In the "GPS Zoom" search box, a comma is not needed. The longitude and latitude can be in any order. When doing a search, make sure all the other search boxes are cleared out.

Save Point

The "Save Point" button is used to keep locations along the route selected for a different intersection on the same route.

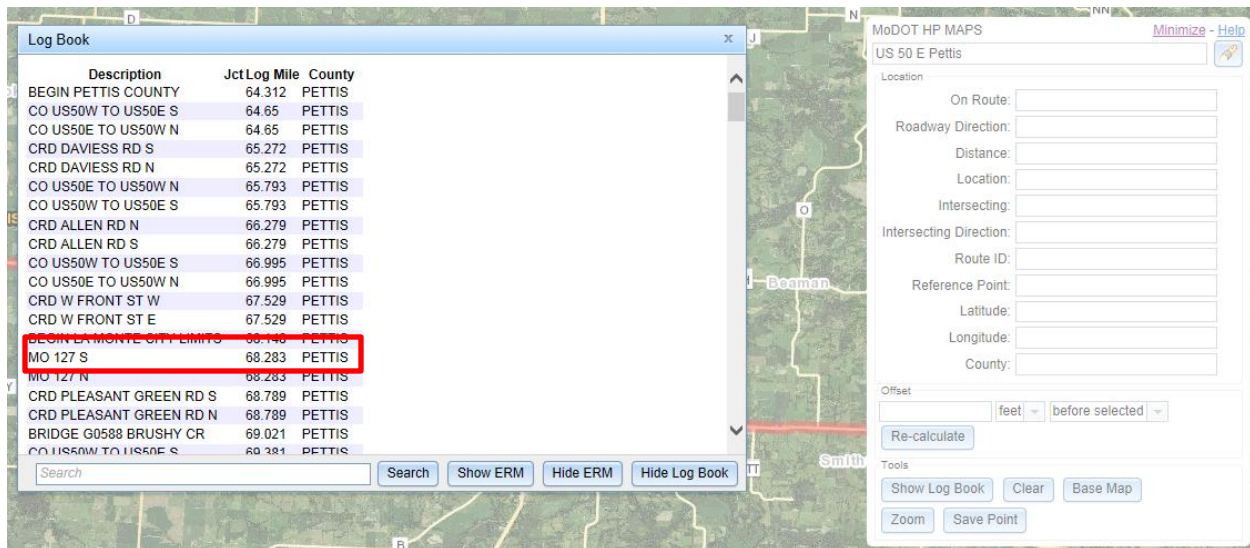
- Enter "US 50 E" in the search box.
- The "Choose a Travelway" dialog box will be displayed.
- Click the "Select" button next to "US 50 E, PETTIS Co (3507)".



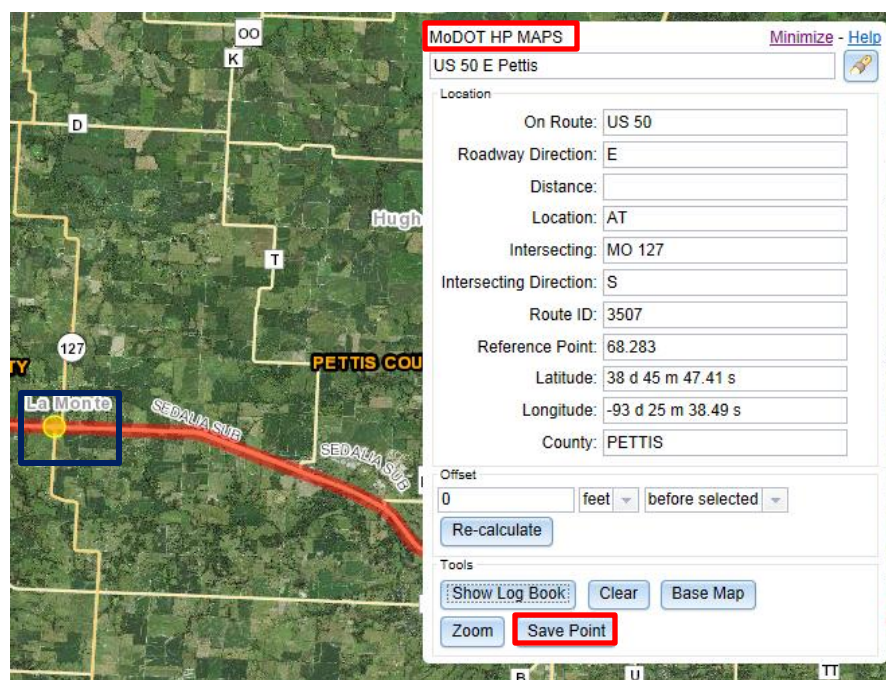
This will display US 50 in Pettis County with a red line.



- Select a log point from the log book, "MO 127 S, 68.283".
- Press the "Enter" key on your keyboard.

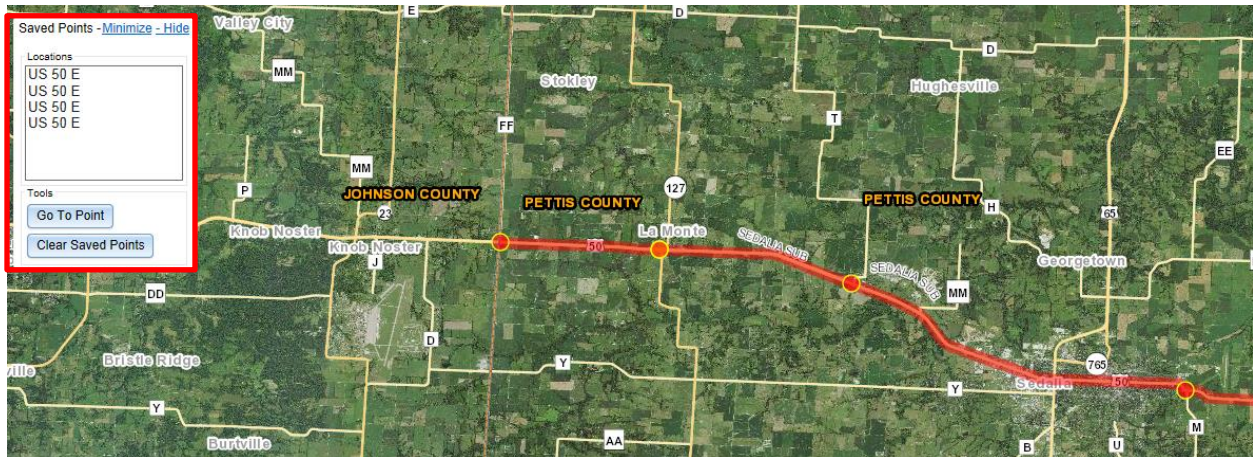


The data for the intersection will be displayed in the “MoDOT HP Maps” dialog box.



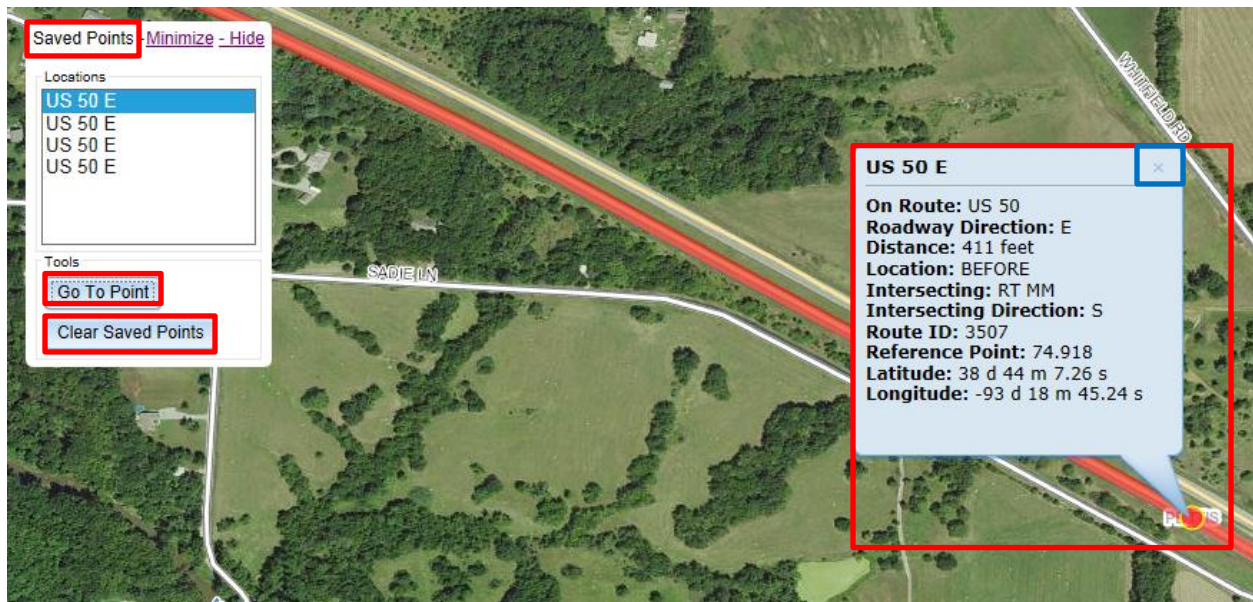
This is the original log point selected (outlined in blue).

- Select the log point along the route, and then click the “Save Point” button.



The "Saved Points" dialog box will be displayed with a listing of all the points that have been saved.

- From the "Locations" list, click on one of the locations.
- Click the "Go To Point" button.



Notice a dialog box will be displayed with the information pertaining to that location.

- Click on any of the saved locations, and the data will be displayed for that route.

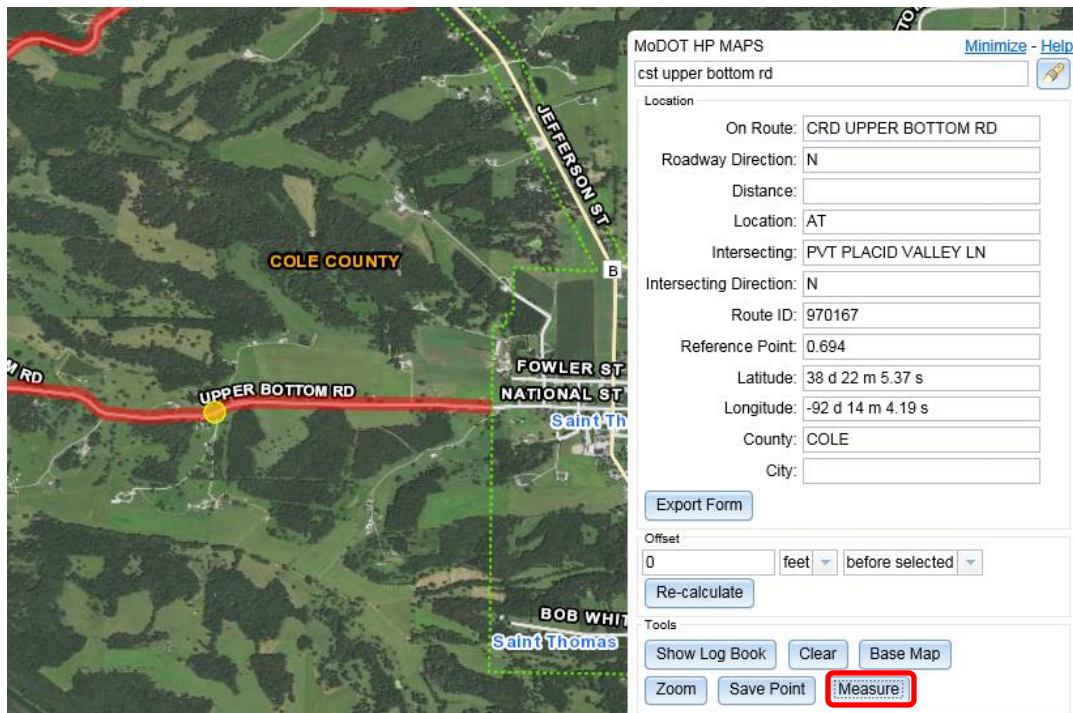
NOTE: Make sure to click the "X" in the upper right-hand corner of the dialog box (outlined in blue) before going to your next saved point.

- Click the "Clear Saved Points" button to remove all information on the map and in the "Saved Points" dialog box.

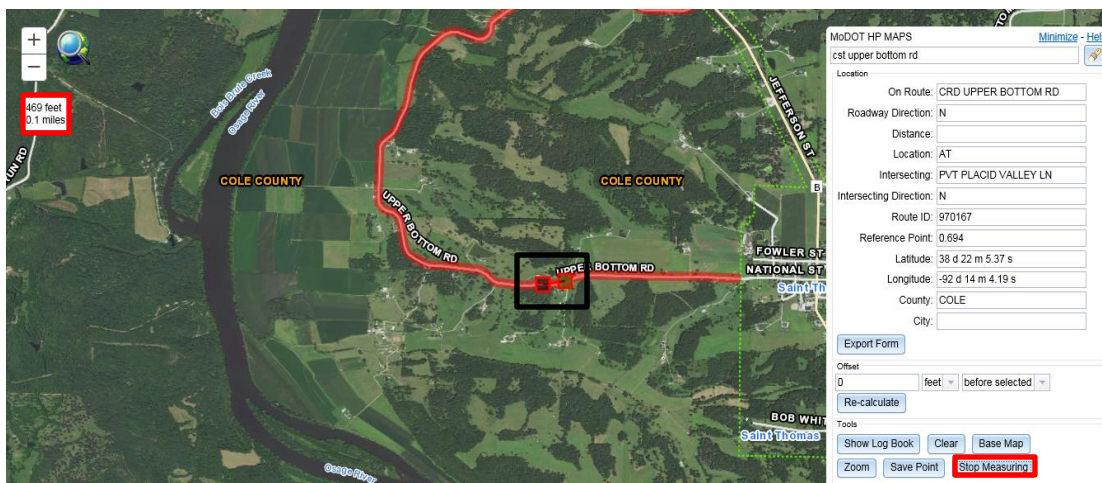
Measure

The "Measure" tool is used to measure the crash from the location if it did not land on an intersection.

- Select a location.
- Click the "Measure" tool.




- Click the starting point, and then click the ending point.



The distance will be displayed in the upper left-hand corner in feet and miles.

- Click the "Stop Measuring" button, and the "Offset" section will be filled in.
- Click the "Re-calculate" button, and the new "Reference Point" will be displayed.

MoDOT HP MAPS [Minimize](#) - [Help](#)

crd upper bottom rd 

Location

On Route: CRD UPPER BOTTOM RD

Roadway Direction: N

Distance: 15 feet

Location: BEFORE

Intersecting: PVT PLACID VALLEY LN

Intersecting Direction: N

Route ID: 970167

Reference Point: 0.691

Latitude: 38 d 22 m 5.46 s

Longitude: -92 d 14 m 4.03 s

County: COLE

City:

Export Form

Offset

15 feet before selected


Re-calculate

Tools

Show Log Book Clear Base Map

Zoom Save Point Measure

MoDOT HP MAPS [Minimize](#) - [Help](#)

crd upper bottom rd 

Location

On Route: CRD UPPER BOTTOM RD

Roadway Direction: N

Distance: 15 feet

Location: BEFORE

Intersecting: PVT PLACID VALLEY LN

Intersecting Direction: N

Route ID: 970167

Reference Point: 0.69

Latitude: 38 d 22 m 5.46 s

Longitude: -92 d 14 m 4.04 s

County: COLE

City:

Export Form

Offset

15 feet before selected

Re-calculate

Tools

Show Log Book Clear Base Map


Zoom Save Point Measure

Export Form

The Export Form allows you to see the information in an Excel spreadsheet.

- Click the location.
- Click the "Export Form" button.

MoDOT HP MAPS [Minimize](#) [Help](#)

crd upper bottom rd 

Location

On Route: CRD UPPER BOTTOM RD

Roadway Direction: N

Distance: 15 feet

Location: BEFORE

Intersecting: PVT PLACID VALLEY LN

Intersecting Direction: N

Route ID: 970167

Reference Point: 0.69

Latitude: 38 d 22 m 5.46 s

Longitude: -92 d 14 m 4.04 s

County: COLE

City:

Export Form

Offset

15 feet before selected

Re-calculate

Tools

Show Log Book Clear Base Map

Zoom Save Point Measure

The following bar will be displayed asking if you want to Open, Save or Cancel the report.


Do you want to open or save **hp_12_16_2018_08_00_45.csv** (385 bytes) from **traveler.modot.org** **Open** Save Cancel x

- Click the "Open" button. This opens into an Excel worksheet.

On Route	CRD UPPER BOTTOM RD		
Roadway	N		
Distance	15 feet		
Location	BEFORE		
Intersecting	PVT PLACID VALLEY LN		
Intersecting	N		
Route ID	970167		
Reference	0.69		
Latitude	38 d 22 m 5.46 s		
Longitude	-92 d 14 m 4.04 s		
Latitude D	38.36818		
Longitude	-92.2345		
County	COLE		

The spreadsheet can be formatted.

Zooming/Moving Map

In order to move the map to get a better view of the crash location, left click the mouse, and a quad arrow  will appear. Drag the arrow in any direction, and the map will move in the direction that you drag the mouse.

Zooming to a location can be done in three ways. The first way is to use the zoom-in button (+) on the map.



- Click on the plus button, and the map will automatically zoom into the location.
- Click on the minus button, and the map will automatically zoom out of the location.

The second way to zoom to the crash location is by pressing the "Shift" key while drawing a box around the area with the left mouse button.

The third way is to double click to zoom in, and the "Choose a Travelway" dialog box will be displayed.



- This button zooms to a state level view.

NOTE: *Zoom to a certain level in order to see the exit numbers.*