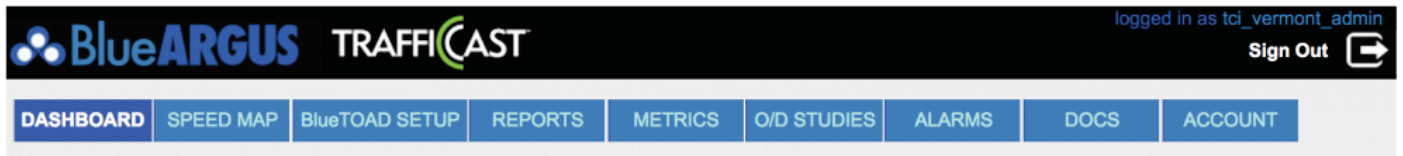


4. Dashboard

The **Dashboard** tab provides a snapshot in a list format of all pairs and routes for your system, including its speed, travel time, and associated threshold status.



Dashboard - Vermont

Show Pairs Show Routes

Type	ID	From	To	Name	Speed	Time	Last Match
Pair	V-30246	2141515	2149275	Route 2 - Airport Dr./Kennedy Dr. to Industrial Ave.	27 mph	2:45	09-14 16:53
Pair	V-30249	2141515	2073024	Route 2 - Airport Dr./Kennedy Dr. to White St./Midas Dr.	19 mph	3:08	09-14 16:59
Pair	V-30250	2064558	2048273	Route 2 - Dorset St. to Staples Plaza	21 mph	1:08	09-14 16:56
Pair	V-30244	2064558	2073024	Route 2 - Dorset St. to White St./Midas Dr.	16 mph	1:30	09-14 17:00
Route	V-30264	2046049	2149275	Route 2 - EB	18 mph	11:21	09-14 16:53
Pair	V-30247	2149275	2141515	Route 2 - Industrial Ave. to Airport Dr./Kennedy Dr.	27 mph	2:46	09-14 16:57
Pair	V-30243	2048273	2064558	Route 2 - Staples Plaza to Dorset St.	19 mph	1:14	09-14 16:58
Pair	V-30248	2048273	2046049	Route 2 - Staples Plaza to University Heights	11 mph	2:03	09-14 16:59
Pair	V-30242	2046049	2048273	Route 2 - University Heights to Staples Plaza	9 mph	2:43	09-14 16:56
Route	V-30263	2149275	2046049	Route 2 - WB	17 mph	11:57	09-14 16:56
Pair	V-30245	2073024	2141515	Route 2 - White St./Midas Dr. to Airport Dr./Kennedy Dr.	19 mph	3:08	09-14 17:00
Pair	V-30251	2073024	2064558	Route 2 - White St./Midas Dr. to Dorset St.	8 mph	2:54	09-14 16:59

* Black => no data Colors => speed relative to speed limit historical avg custom [settings](#) [Change Thresholds](#)

For support, please send email to: bluetoad-help@trafficcast.com

Type – either pair or route (note: each and every pair and route is included in the Dashboard list, however, you can select to just show pairs, or JUST show routes)

ID – identifying number for each pair and route

From – ID number for the device that marks the beginning point of each pair and route

To – ID number for the device that marks the end point of each pair and route

* – current status of the pair/route, ranging from black (no data) to blue (speed above normal), based either on speed limit, historical average over the last 12 weeks, or custom historical ranges. Default threshold values may be edited as well.

Name – name of the pair or route. The info is pulled directly from the pair and route tabs. Clicking on the name of the pair or device will bring up its sub-tabs (see [BlueTOAD Setup](#)): [Performance](#), [Details](#), [Location](#), & [Reports](#), with it defaulting to [Performance](#)

Speed – current speed along the pair/route

Time – current travel time to traverse the length of the pair/route

Last Match – date and time of last match for any pair within a route

4.1. How to change the dashboard comparison index

The **Dashboard** can be set to compare the current conditions to either the speed limit, the historical average, or a custom value. To change this option:

1. scroll down to the bottom of the **Dashboard** where you will see **Colors => speed relative to**
2. you can select from the three options: **speed limit, historical average, and custom**
3. if you select **custom**, select **settings** to go in and define your custom comparison range
4. whichever option you select should result in the dashboard automatically refreshing to show you the new comparisons – current data as compared to the option you selected

4.2. How to change the threshold levels in the dashboard

The thresholds for the [Dashboard](#), which define what the various color dots in the list represent, can be customized by the user. These same thresholds are used to define the colors of the pairs in the [Speed Map](#). You can change the thresholds levels here or under [Speed Map](#) as they both lead to the same editing page. To change the threshold levels:

1. scroll down to the bottom of the [Dashboard](#) where you will see [Change Thresholds](#)
2. clicking on [Change Thresholds](#) will bring up a new page showing the existing thresholds for every pair and route in your system based on both speed limit comparisons as well as historical comparisons – note that the thresholds can be different for each of the two comparisons

Speed Map Adjustable Thresholds - City of Norman

Pairs and Routes below the Orange threshold will appear Red. Speeds below the Yellow threshold but above or equal to the Orange threshold will appear orange. Orange thresholds are optional; set the Orange and Yellow thresholds to the same value to disable. Speeds below the Green threshold and above or equal to the Yellow threshold will appear Yellow. Speeds above the Yellow threshold will appear Green. Speeds above the Blue threshold will appear Blue. The Blue threshold is optional; set the Blue threshold to 0 to disable.

[Edit Multiple](#)

Show Pairs Show Routes

<input type="checkbox"/> Pair/Route	Speed Limit	Orange Speed	Yellow Speed	Green Speed	Blue Speed	Orange Historical	Yellow Historical	Green Historical	Blue Historical
<input type="checkbox"/> Pair CoN-19072: State Hwy 9 & 24th St to State Hwy 9 & W Imhoff Rd	50	0.5	0.5	0.75	1.15	0.5	0.5	0.75	1.15
<input type="checkbox"/> Pair CoN-19073: State Hwy 9 & W Imhoff Rd to State Hwy 9 & 24th St	50	0.5	0.5	0.75	1.15	0.5	0.5	0.75	1.15
<input type="checkbox"/> Pair CoN-19074: State Hwy 9 & W Imhoff Rd to State Hwy 9 & Chautauqua Ave	50	0.5	0.5	0.75	1.15	0.5	0.5	0.75	1.15

Example of redefining thresholds

3. change the thresholds to your desired levels for each pair/route and then click **Save**
4. to return to the default threshold level, simply click on **Reset to Defaults** at the bottom of the screen
5. Other Options/Tips – to change a large number of pair and/or route thresholds, select the **Edit Multiple** button near the top of the threshold adjustment page

5. Speed Map

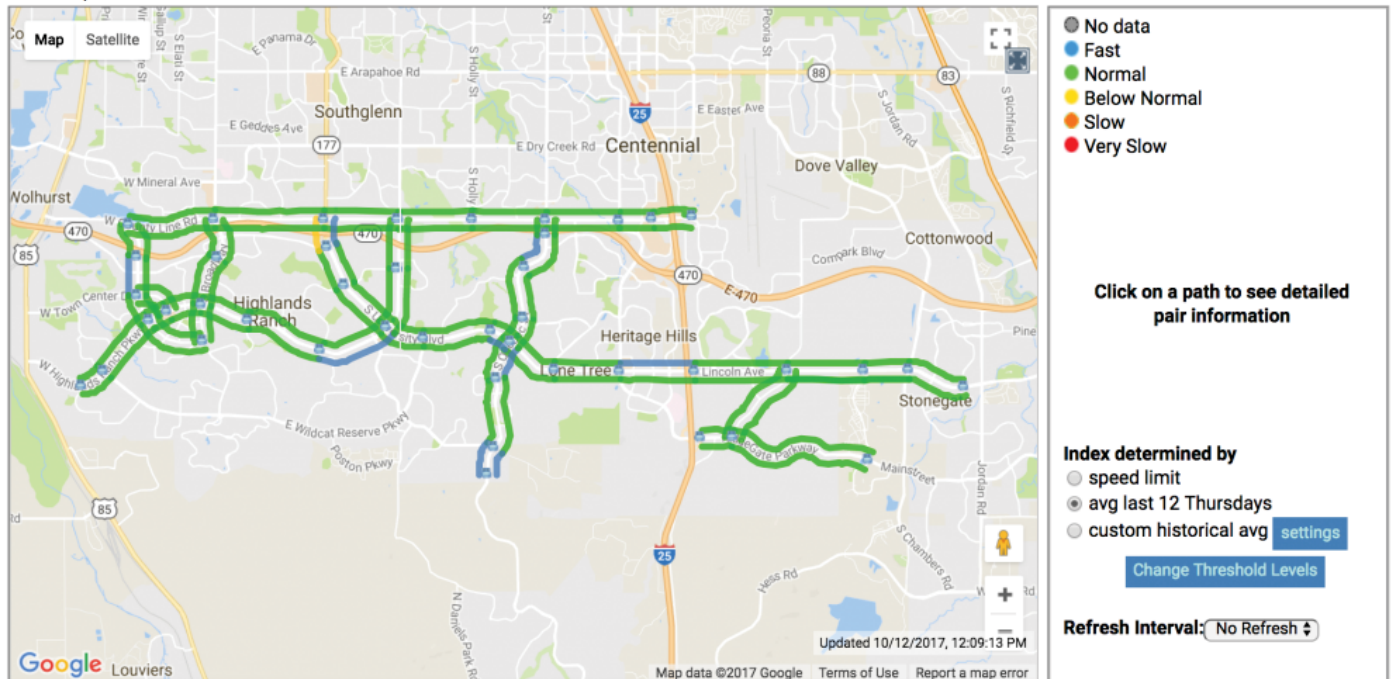
The **Speed Map** – shows real-time conditions for pairs and routes (via the drop down menu) using color coded threshold levels

Speed Map - Douglas County

Select a route:

Show all pairs ▼

Show all pairs



Example of Speed Map with current conditions compared to historical data

Like with the **Dashboard**, the **Speed Map** can be set to compare the current conditions to either the speed limit, the historical average, or a custom value and the thresholds have default values that can be customized by the user.

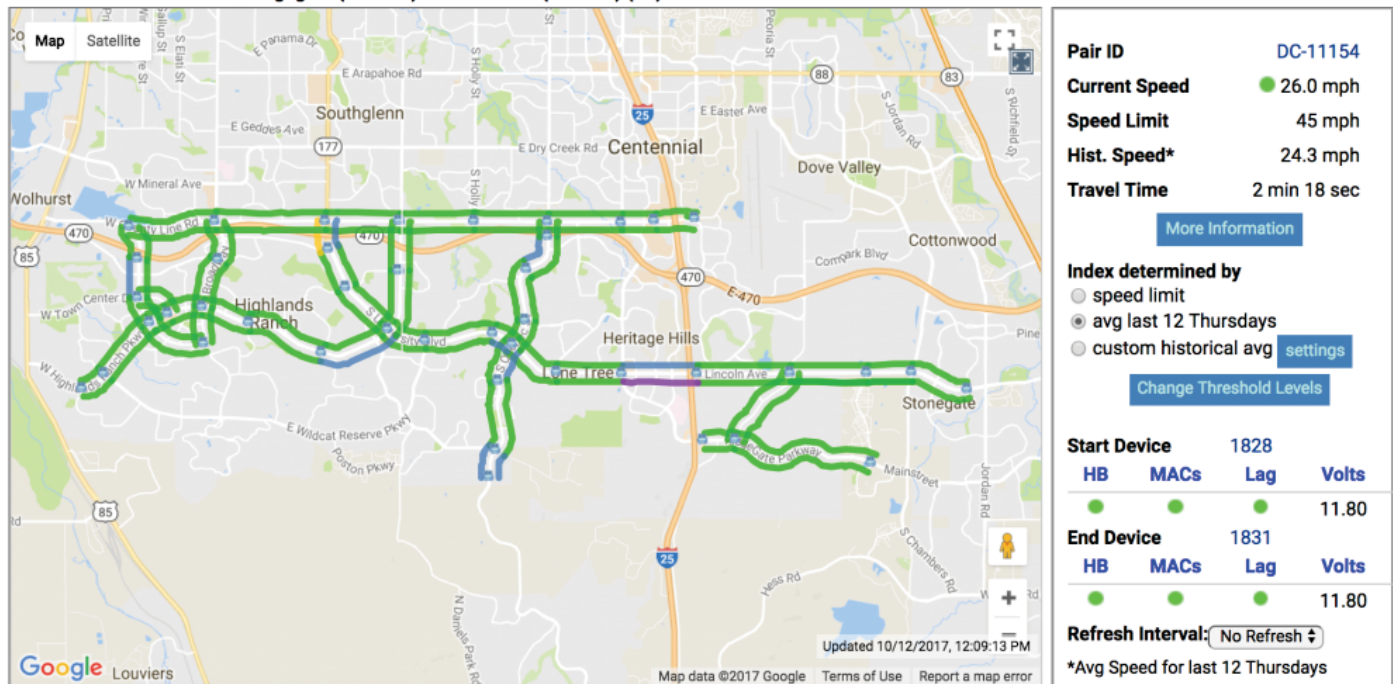
Left clicking on a pair on the map will highlight that pair in purple on the map and display information on it to the right of the screen.

Speed Map - Douglas County

Select a route:

Show all pairs

Pair Selected: Linc & Yosem/Ridgegate (BT1828) to Linc & I-25 (BT1831) (EB)



Data as a result of left-clicking on a pair on the Speed Map

Data displayed to the right of the Speed Map:

Pair ID – the ID for the pair that you clicked on in the Speed Map

Current Speed – the current average speed along that pair as calculated from BlueTOAD data

Speed Limit – the speed limit along the stretch of road that the pair traverses

Historical Speed – the average/typical speed along the selected pair for the same day and time over the last 12 weeks. For example, if you clicked on a pair on the Speed Map at noon on a Friday, then the Historical Speed would be the average speed for the last 12 Fridays around noon

Travel Time – the current average travel time for the length of the pair

Index determined by – this is where you select what you want to compare the current conditions to: either the speed limit, the historical speed (avg last 12 ____), or a custom historical avg defined by the user by clicking on settings

Start Device & End Device – lists the starting and end device for the pair in question and shows if the devices are currently operating with no issues (HB, MACs, Lag, Volts)

Refresh Interval – how often do you want the Speed Map to refresh with new data: no refresh, every 2 minutes, every 5 minutes, and every 10 minutes

In addition to the data displayed to the right of the **Speed Map** once you click on a pair on the map, a chart also appears below the **Speed Map** that gives you a graphical display of the last 48 hours of data (**speed or travel time**) for the selected pair. Furthermore, this last 48 hours is also compared to the currently selected index (**speed limit, historical, custom historical**) that you selected to the right of the **Speed Map**.

Chart Options

Speed display mode

Speed

Travel Time

Smoothed (15 min) for Pair DC-11154: Linc & Yosemite/Ridgegate (BT1828) to Linc & I-25 (BT1831) (EB) ☰

from 10-10-2017 11:38 to 10-12-2017 11:38



To zoom in, drag the mouse over the area to magnify. To hide/show a data series, click the name of the series in the legend bar.

Data/options for the graph displayed below the **Speed Map**:

Speed display mode – you can have the graph be based on **Speed** or **Travel Time**

Smoothed Speeds – if you have the speed display mode set to **Speed**, then there will be a line on the graph showing the last 48 hours of average speeds along the selected pair as calculated from BlueTOAD data. You can turn hide/show this line by clicking its name in the legend below the graph.

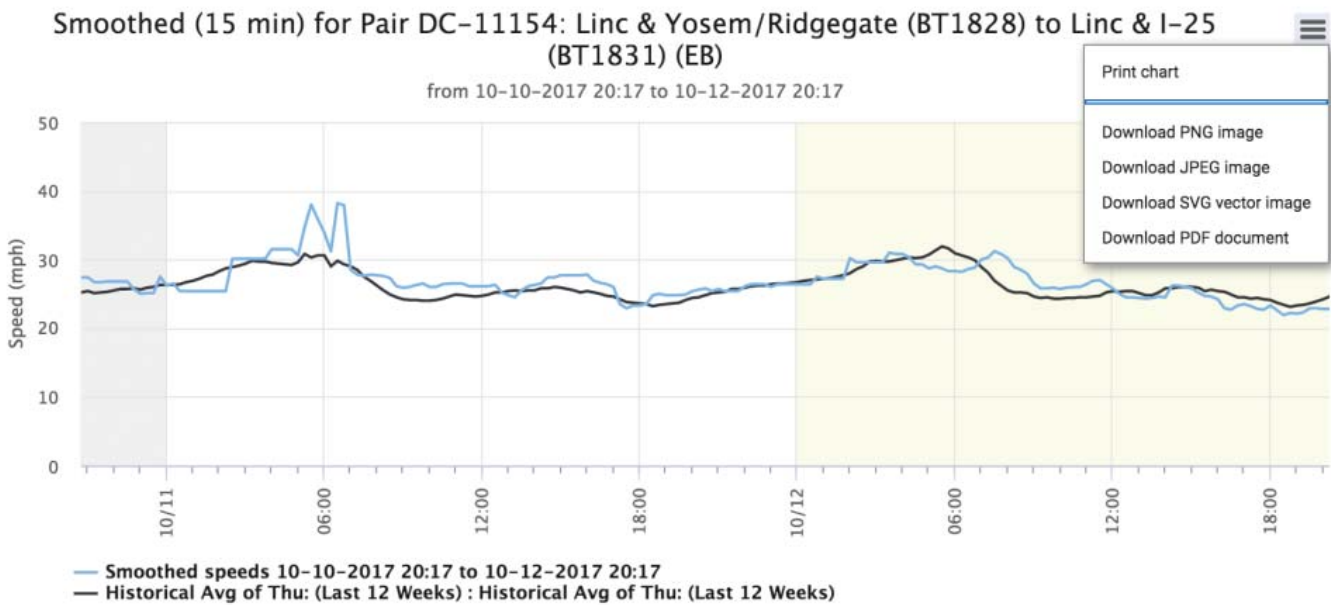
Speed Limit – if you have the currently selected index set to **speed limit**, then there will be a line on the graph showing the speed limit along the stretch of road that the pair traverses. This would be a straight line as the speed limit is assumed not to change during the course of the pair. You can turn hide/show this line by clicking its name in the legend below the graph.

Historical Avg of ___: (Last 12 Weeks) – if you have the currently selected index set to **avg last 12 ___**, then there will be a line on the graph showing data for the last 12 weeks for your particular day. You can turn hide/show this line by clicking its name in the legend below the graph.

Custom Historical/Varies – if you using a [custom historical avg](#), then there will be a line on the graph showing data for this custom time period. You can turn hide/show this line by clicking its name in the legend below the graph.

Zoom Feature – to zoom into a closeup view of a segment of the graph, simply click and hold the mouse button and draw a box around the area of interest and release the mouse button. To return the full graph, click [Reset zoom](#)

Print/PDF/Create an image file – to create an image file or PDF of the graph, or to print the graph, click on the button made up of three horizontal bars in the upper right corner of the graph and it will allow you to export the current graph.



To zoom in, drag the mouse over the area to magnify. To hide/show a data series, click the name of the series in the legend bar.

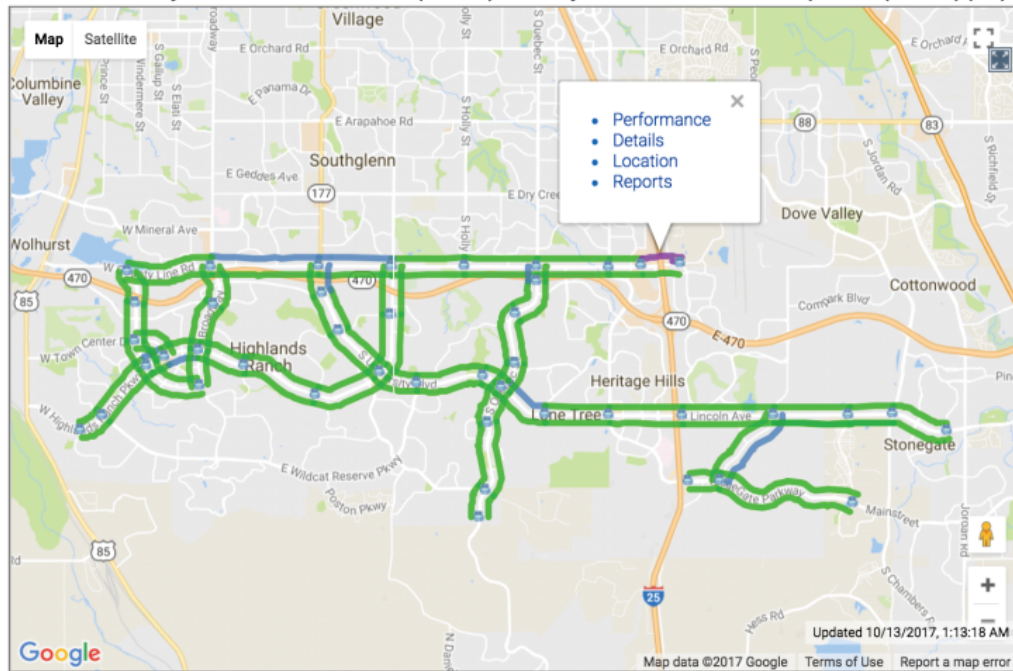
In addition to the data displayed to the right of the [Speed Map](#) and the chart below the [Speed Map](#), you can also right click on a pair on the map and then select one of the four (4) sub-tabs ([Performance](#), [Details](#), [Location](#), [Reports](#)) that would take you directly to the [Pairs sub-tabs](#)

Speed Map - Douglas County

Select a route:

Show all pairs ▾

Pair Selected: County Line Rd & Inverness Dr W/E (BT1836) to County Line Rd & w/o I-25 SB Ramp/PMCD (BT0627) (WB)



Pair ID	DC-24396
Current Speed	17.0 mph
Speed Limit	45 mph
Hist. Speed*	21.8 mph
Travel Time	1 min 44 sec
More Information	
Index determined by	
<input type="radio"/>	speed limit
<input checked="" type="radio"/>	avg last 12 Fridays
<input type="radio"/>	custom historical avg settings
Change Threshold Levels	
Start Device	1836
HB	MACs
<input type="checkbox"/>	<input type="checkbox"/>
Lag	Volts
<input type="checkbox"/>	11.70
End Device	627
HB	MACs
<input type="checkbox"/>	<input type="checkbox"/>
Lag	Volts
<input type="checkbox"/>	13.07
Refresh Interval:	No Refresh ▾
*Avg Speed for last 12 Fridays	

[Standalone map information](#)

You can do the same with routes by selecting a route from the drop down list at the top of the [Speed Map](#) and then right clicking on the little toad next to the drop down list on the [Speed Map](#) and selecting one of the options ([Performance](#), [Details](#), [Location](#), [Reports](#)) that take you directly to the [Routes sub-tabs](#).

5.1. How to change the threshold levels in the speed map

The thresholds for the **Speed Map**, which define what the various colors on the map represent, can be customized by the user. These same thresholds are used to define the colors of the dots in the **Dashboard**. You can change the thresholds levels here or under the **Dashboard** as they both lead to the same editing page. To change the threshold levels:

1. to the right of the map, select **Change Threshold Levels**
2. this will bring up a new page showing the existing thresholds for every pair and route in your system based on both speed limit comparisons as well as historical comparisons – note that the thresholds can be different for each of the two comparisons

Speed Map Adjustable Thresholds - City of Norman

Pairs and Routes below the Orange threshold will appear Red. Speeds below the Yellow threshold but above or equal to the Orange threshold will appear orange. Orange thresholds are optional; set the Orange and Yellow thresholds to the same value to disable. Speeds below the Green threshold and above or equal to the Yellow threshold will appear Yellow. Speeds above the Yellow threshold will appear Green. Speeds above the Blue threshold will appear Blue. The Blue threshold is optional; set the Blue threshold to 0 to disable.

[Edit Multiple](#)

Show Pairs Show Routes

<input type="checkbox"/> Pair/Route	Speed Limit	Orange Speed	Yellow Speed	Green Speed	Blue Speed	Orange Historical	Yellow Historical	Green Historical	Blue Historical
<input type="checkbox"/> Pair CoN-19072: State Hwy 9 & 24th St to State Hwy 9 & W Imhoff Rd	50	0.5	0.5	0.75	1.15	0.5	0.5	0.75	1.15
<input type="checkbox"/> Pair CoN-19073: State Hwy 9 & W Imhoff Rd to State Hwy 9 & 24th St	50	0.5	0.5	0.75	1.15	0.5	0.5	0.75	1.15
<input type="checkbox"/> Pair CoN-19074: State Hwy 9 & W Imhoff Rd to State Hwy 9 & Chautauqua Ave	50	0.5	0.5	0.75	1.15	0.5	0.5	0.75	1.15

Example of redefining thresholds

3. change the thresholds to your desired levels for each pair/route and then click **Save**
4. to return to the default threshold level, simply click on **Reset to Defaults** at the bottom of the screen
5. Other Options/Tips – to change a large number of pair and/or route thresholds, select the **Edit Multiple** button near the top of the threshold adjustment page

5.2. Comparison index options

Speed Limit – shows current, real-time conditions vs. a constant, pre-defined speed limit for each pair.

Avg. of Last 12 Same Days/Time – shows current, real-time conditions vs. the average of the last 12 same days of the week (example – the last 12 Fridays)

Custom Historical Avg. – shows current, real-time conditions vs. custom historical averages (example – Tuesdays through Thursdays for the last six (6) months since school has been in session)

5.3. Standalone maps

Select **Standalone map information** at the bottom of the **Speed Map** page

Produces a URL/link that can be used on any web browser

Great for:

TMC display walls

Second monitors

For use by non-technical users

Mobile devices

▼ Standalone map information

To view this map without requiring login, visit this URL: <https://bluetoad.trafficcast.com/map/standalone?key=f8AG6lpt7ivS2K0U0iIM4A%3D%3D>
You can add either of these parameters to the end to control how the map responds:

&fullscreen=1
Automatically makes the map full screen

&auto=X
Auto refresh every X minutes

&index=speed_limit or **&index=historical**
set whether the map uses the speed limit or historical performance to determine color status

&title=[url-encoded title]
Sets an optional title for the speed map

&legend=[url-encoded legend information]
Sets an optional legend for the speed map (add options as needed from the following list, separated by a |)

- *gray[[url-encoded description](#)] Gray marker, followed by description
- *blue[[url-encoded description](#)] Blue marker, followed by description
- *green[[url-encoded description](#)] Green marker, followed by description
- *yellow[[url-encoded description](#)] Yellow marker, followed by description
- *orange[[url-encoded description](#)] Orange marker, followed by description
- *red[[url-encoded description](#)] Red marker, followed by description
- [[url-encoded description](#)] No marker, just the text
- toggle Add a toggle to show/hide the legend option

Example URL for a full screen map that refreshes every 10 minutes, with color determined by historical performance, a simple title and toggleable legend for red, yellow, green (the url is broken into sections for formatting purposes. Remove line breaks when copying/pasting)

https://bluetoad.trafficcast.com/map/standalone?key=f8AG6lpt7ivS2K0U0iIM4A%3D%3D&fullscreen=1&auto=10&index=historical&title=Traffic%20Map&legend=*green|Normal|*yellow|25%25%20slower%20than%20normal|*red|50%25%20slower%20than%20normal|toggle

Note: when viewing the map in standalone mode, no graphs or links are available.

List of Standalone Map extensions

Customizable – Full screen vs. windowed, refresh rates, index (speed limit vs. historical) etc. By adding the extensions listed on the page to the end of your URL, you can customize your **Standalone Map**. For example, to set the **Standalone Map** to automatically refresh every five (5) minutes, simply add “&auto=5” to the end of the provided URL. Once you have your desired extensions added, you can bookmark or send out the modified URL and not have to set it up each time.