

RIDSI Manual

RIDSI Features

When you login to RIDSI, you will see the RIDSI Dashboard. In the top left hand corner, there will be 3 bars where you may click and see all the features RIDSI provides. In the top right, you will find a search bar to help you find the data you're looking for. You will also see a bell icon, which will take you to your notification center when you click on it. Next to the bell, there is a person icon, which if you click on it will take you to your user profile page.

Profile

On the profile page, you will be able to edit your password, account information, location preferences, notification settings as well as our privacy policy.

Hyperlink: <https://ridsi-dash.com/Profile>

Dashboard

The RIDSI Dashboard page is the home page that the user will be directed to when they login. It shows a variety of boxes that showcase different data RIDSI is able to analyze. There is a 'Crashes This Week' box which shows the total number of crashes this week, as well as the crash rates by county. There is a 'Clearance Time' box which displays a graph showing the clearance time by day of the week. This box also includes the counties which have the highest clearance time. Next there is a 'Freeway ADT' box which stands for Freeway Average Daily Traffic. There will be a percentage shown which is the percent of freeways that average daily traffic. Then, there is also a graph that shows the freeways with the highest average daily traffic. Next, there is a 'Congestion Miles' box which shows the number of congested miles. There is also a display showing the counties with the most congested miles. If the user scrolls down, they can then see a 'Daily Crashes' graph which just shows how many crashes happened each day for the past week. They will also see an 'Incident Types' graph which shows the number of types of incidents which include Accident, Debris, Emergency Vehicles, ER Vehicle, Exit Closed, Incident, Moving Roadwork, Other, Roadwork, Stalled Vehicle, Utility Work or Utility Fire. There will also be a box showing the 'WorkZones' data. This will show a graph that shows congestion as well as the number of work zones and estimated impacts from those. There will also be a graph showing the highest congestion per road. At the very bottom of the page, there is a map showing the user's precise location.

Hyperlink: <https://ridsi-dash.com/Dashboard>

Data Download

Data Download allows users to submit their own queries and get access to the data being used to show these dashboards.

Probe

You may query for Probe data on this page. When doing this you will need to specify your start and end date, data attributes (travel time, speed, average speed, reference speed), units for travel time, aggregation interval, file name and county you want the data from.

Hyperlink: <https://ridsi-dash.com/Data/Probe>

Incidents

You may query for Incident data on this page. When doing this you will need to specify your start and end date, data attributes (incidents, construction), file name and county you want the data from.

Hyperlink: <https://ridsi-dash.com/Data/Incidents>

Detector

You may query for Detector data on this page. When doing this you will need to specify your start and end date, units for travel time, aggregation interval, file name and county you want the data from.

Hyperlink: <https://ridsi-dash.com/Data/Detector>

Waze Incident

You may query for Waze Incident data on this page. When doing this you will need to specify your start and end date, data attributes (major accidents, minor accidents, construction, car stopped, jam, road closed), file name and county you want the data from.

Hyperlink: <https://ridsi-dash.com/Data/WazeIncident>

Waze Jam

You may query for Waze Jam data on this page. When doing this you will need to specify your start and end date, file name and county you want the data from.

Hyperlink: <https://ridsi-dash.com/Data/WazeJam>

Counts

You may query for Counts data on this page. When doing this you will need to specify your start and end date, data attributes (occupancies, vehicle count, vehicle speed), aggregation interval, file name and county you want the data from.

Hyperlink: <https://ridsi-dash.com/Data/Counts>

History

This page shows your past queries. Anytime you submit a request for data from any of the databases, it will be saved, and you can find it here.

Hyperlink: <https://ridsi-dash.com/History>

Data Upload

This page allows you to upload .xls, .csv, .kml or .shp files to RIDIS.

Hyperlink: <https://ridsi-dash.com/Upload>

App Center

This is where you can find more specific data dashboards. The main four are Safety, Probe, SCC Counts and Transcore Analytics. Under the More Pages tab, there are even more specific dashboards for Traffic Jams, Traffic Counts, Waze Analytics, Crashes, Clearance Time, Congestion, Travel Time, Integrated, Motorcycles, Work Zones and Daily Congestion. Under each of these pages, the user may add a chart using the blue 'Add Chart' button in the top right corner. This will allow users to make a variety of visualizations from the database associated with that page.

Safety

On the safety page, there will be a lot of data and graphs available to you. You will be able to see information such as the number of crashes, fatality information, crashes by hour of the day, time of crashes, types of roads and weather or light conditions where fatalities most often occur. This page is dedicated to any safety related information.

Hyperlink: <https://ridsi-dash.com/AppCenter/Safety>

Probe

On the probe page, there will be data more related to speed, average speeds by time or by road and number of TMCs per road or county. You will also be able to see a large heatmap which shows date and time by road order colored by speed.

Hyperlink: <https://ridsi-dash.com/AppCenter/Probe>

SCC Counts

Hyperlink: <https://ridsi-dash.com/AppCenter/SCC%20COUNTS>

Transcore Analytics

On the Transcore Analytics page, you can find visualizations on incident data reported by Transcore. You can see the most common incidents, which roads have the most incidents, which months or hours of the day have the most incidents.

Hyperlink: <https://ridsi-dash.com/AppCenter/TranscoreAnalytics>

More Pages

This page shows all options available in the App Center. The main four are Safety, Probe, SCC Counts and Transcore Analytics, and when the user goes to more pages, it adds Traffic Jams, Traffic Counts, Waze Analytics, Crashes, Clearance Time, Congestion, Travel Time, Integrated, Motorcycles, Work Zones and Daily Congestion to the options.

Hyperlink: <https://ridsi-dash.com/MorePages>

Traffic Jams

On the Traffic Jams page, there is data about traffic jams including average delay in seconds, jam locations colored by delay, jam severity, jams by hour and day of week and average delay by street.

Hyperlink: <https://ridsi-dash.com/AppCenter/TrafficJams>

Traffic Counts

On the Traffic Counts page, there is data about class 1, 2, 3, 4 traffic counts. There is also data about detector locations and average counts of traffic by date and over time.

Hyperlink: <https://ridsi-dash.com/AppCenter/TrafficCounts>

Waze Analytics

On the Waze Analytics page there is data about incidents reported on WAZE. There is data such as incidents by county, type, street, time, day, hour. There is also data showing how many types of incidents there are of different types such as crashes, roadwork or road closures.

Hyperlink: <https://ridsi-dash.com/AppCenter/WazeAnalytics>

Crashes

The Crashes page shows data about all different types of crashes, when they occur, where they occur and what types of vehicles get in the most crashes.

Hyperlink: <https://ridsi-dash.com/AppCenter/Crashes>

Clearance Time

The Clearance Time page shows data about clearance time and what roads and counties have the most clearance time, and when the most likely times there will be clearance time.

Hyperlink: <https://ridsi-dash.com/AppCenter/ClearanceTime>

Congestion

The Congestion page has data about all types of congestion, including congestion miles per year, per period, by county, by direction. There are charts displaying the Planning Time Index (PTI) and Travel Time Index (TTI).

Hyperlink: <https://ridsi-dash.com/AppCenter/Congestion>

Travel Time

Hyperlink: <https://ridsi-dash.com/AppCenter/TravelTime>

Integrated

The Integrated page shows a variety of visualizations that combine some of the other pages. Some data available on this page are crashes by temperature, snow accumulation and weather type. This page combines records from WAZE and Transcore into one.

Hyperlink: <https://ridsi-dash.com/AppCenter/Integrated>

Motorcycles

This Motorcycles page has data that shows how many motorcycle crashes happen per year, county, city and brand of motorcycle. You can see injury and fatality statistics, as well as crashes by hour and day of the week.

Hyperlink: <https://ridsi-dash.com/AppCenter/MotorCycles>

Work Zones

The Workzones page has data showing how work zones affect different roadways. You can see how many work zones there are, the number of delay hours, congestion by road due to work zones, number of work zones by date, delay hours by direction and by hour and day of the week.

Hyperlink: <https://ridsi-dash.com/AppCenter/WorkZones>

Daily Congestion

The Daily Congestion page shows the Planning Time Index (PTI), Travel Time Index (TTI), Delay Impact and Severity. This will also show the congested miles by day for the last week, and congested miles by county as well as PTI and TTI by county.

Hyperlink: <https://ridsi-dash.com/AppCenter/Daily%20Congestion>

Live

Visualization

This page has a data visualization map that allows users to see real time data on a map. They can toggle Traffic, Waze Incident Data, Waze Jam Data, Transcore Data, Weather, Current Location and State Outline options. The user may click on markers on the map to get more information on it.

Hyperlink: <https://ridsi-dash.com/Visualization>

Analytics

Live CCTV

CCTV stands for Closed Circuit Television. On this page, users can see a map showing all available CCTV cameras. The user may then click on any camera of their choice and view the live footage from this camera.

Hyperlink: <https://ridsi-dash.com/Live>

Help

If users have questions, they can go to the Tutorials page so see how they can use RIDSI, the Support page to fill out a form to ask a question or learn more about RIDSI on the About RIDSI page.

Tutorials

If you'd like to get a step by step walk through of using RIDSI, check out the tutorials page. You will find tutorials on Database Querying, Live CCTV Streaming, User Profile, Dashboard, Notifications, Visualization and About RIDSI.

Hyperlink: <https://ridsi-dash.com/Tutorials>

Support

On the support page, you can fill out your organization name, your name, specify what your request is referring to and provide a short description.

Hyperlink: <https://ridsi-dash.com/Support>

About RIDSI

On the About RIDSI page, there are four tabs: RIDSI, Data, Agencies and Development Team. Under RIDSI you will see a short description of the focus of RIDSI. Under the Data tab you can see the types of data RIDSI uses. Under agencies you can find the agencies that are involved in the RIDSI project. Under Development Team, you will find the awesome organizations and developers who all made RIDSI possible!

Hyperlink: <https://ridsi-dash.com/About>

Logout

When you click logout, you will be automatically redirected to the login page.

Frequently Asked Questions

Where can I find crash data?

What data is available to me?

What is WAZE?

Waze is a GPS navigation app that provides real-time driving directions and traffic information. It uses data from other users to report on traffic conditions, accidents, hazards, and road closures, helping drivers find the fastest routes and avoid delays.