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.

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

Dashboard Highlights:

1. Crashes This Week: Displays the total number of crashes this week and crash rates by county.
2. Clearance Time: Shows a graph of clearance times by day of the week, highlighting counties with the highest clearance times.
3. Freeway ADT (Average Daily Traffic): Displays the percentage of freeways with significant daily traffic and a graph of the busiest freeways.
4. Congestion Miles: Indicates the number of congested miles and lists counties with the most congestion.
5. Daily Crashes: A graph showing daily crash counts over the past week.
6. Incident Types: Breaks down incidents by type, such as Accidents, Debris, Emergency Vehicles, Roadwork, Stalled Vehicles, and more.
7. Work Zones: Displays a graph of work zone data, including congestion levels and the estimated impact, as well as the highest congestion points per road.
8. Location Map: At the bottom of the page, a map shows your current location.

Data Download

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

Probe

You may query for Probe data on this page. Probe data is traffic data collected from vehicles moving along the road. It tracks information such as travel time, speed, average speed and reference speed. When querying for this probe data 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. Incident data includes information collected for crashes, debris, work zones, construction, emergency vehicles or stalled vehicles. When querying incident data, 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 Detector data on this page. Detector data includes information such as vehicle count, speed, occupancy rate of a road, or lane by lane traffic. When querying detector data, 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. Waze Incident data is the same as incident data, but it is all reported by Waze. When querying for 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. Waze Jam data includes information like jam severity, location, length and duration. When querying for 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. Counts data includes information such as vehicle occupancy, vehicle count, speed and specific classifications on different roadways. 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

To see all apps in the app center, go to this hyperlink.

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

This is where you can find specific data dashboards. The main four are Safety, Probe, SCC Counts and TranScore Analytics. There are even more dashboards for Traffic Jams, Traffic Counts, Waze Analytics, Crashes, Clearence Time, Congestion, 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

- number of crashes
- fatality information
- crashes by hour of the day
- time of crashes
- types of roads where fatalities most often occur
- 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 visualizations related to

- Speed
- average speeds by time or by road
- number of TMCs per road or county
- Speed per road by day of the week and time of day

This page has speed data, TMC information and more.

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

SCC Counts

The St. Charles County (SCC) Counts page shows data visualizations of traffic counts in St. Charles County. Some examples of data visualizations include:

- Intersections by county
- Average counts (number of vehicles detected) by hour and day of week
- Average 15-minute count (number of vehicles detected) by month
- Number of intersections
- Average count by movement type

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 will see data such as

- most common incidents
- which roads have the most incidents
- which months or hours of the day have the most incidents

TransCore Analytics page is dedicated to data reported by TransCore analytics to help us better understand incidents the occur on roadways.

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
- Clearence Time
- Congestion
- Integrated, Motorcycles
- Work Zones
- Daily Congestion

You may use this page to navigate to any of the AppCenter pages.

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

Traffic Jams

On the Traffic Jams page, there is data visualizations about traffic jams including

- average delay in seconds
- jam locations colored by delay, jam severity
- jams by hour and day of week
- average delay by street

This page is dedicated to displaying data related to Traffic Jams and the effects of those traffic jams.

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

Traffic Counts

On the Traffic Counts page, there are data visualizations about

- class 1, 2, 3, 4 traffic counts
- detector locations
- 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
- 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

This page has crash data. The Crashes page shows data about all different types of crashes such as

- when they occur
- where they occur
- what types of vehicles get in the most crashes
- Data on crashes that result in fatalities

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

Clearance Time

The Clearance Time page shows data about clearance time such as

- what roads and counties have the most clearance time
- when the most likely times there will be clearance time
- Average clearance by time, date or day of the week

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

Congestion

The Congestion page displays data about all types of congestion, including

- Planning Time Index (PTI)

- Travel Time Index (TTI)
- congestion miles per year
- Congestion per period
- Congestion by county
- Congestion by direction

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

Integrated

The Integrated page shows a variety of visualizations that combine some of the other pages. This page combines records from WAZE and TranScore into one. Some data available on this page

- crashes by temperature
- Crashes by snow accumulation
- Crashes by weather conditions

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

Motorcycles

This Motorcycles page has data that shows

- how many motorcycle crashes happen per year, county, city
- brand of motorcycle with the most crashes
- injury and fatality statistics in motorcycle crashes
- Motorcycle 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, 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
- congested miles by day for the last week
- congested miles by county
- PTI and TTI by county.

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

Live

The features under live all serve live data in real time. This includes Visualization and Live CCTV.

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

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 Support page to fill out a form to ask a question or learn more about RIDSI on the About RIDSI page.

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

What is TranScore?

TransCore provides technology-based services and products that enable its customers to efficiently manage ground transportation systems, assets, and transactions. We use data from TransCore to help provide insights and make our roads safer.

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. We use data from Waze to help provide insights and make our roads safer.

Data Categories

1. Traffic Safety and Crash Data

Purpose: Data and analytics related to traffic safety, crashes, and factors contributing to crashes.

- Safety
- Crashes
- Motorcycles

2. Traffic Congestion and Flow

Purpose: Information related to traffic congestion, traffic flow, and incident impact on travel time.

- Congestion
- Daily Congestion
- Traffic Jams

3. Speed and Counts Data

Purpose: Metrics and counts related to traffic speeds and volumes on the network.

- Probe (speed data from mobile or GPS sources)
- SCC Counts
- Traffic Counts

4. Real-Time Data and Visualization

Purpose: Live data and visualization tools for monitoring traffic conditions.

- Visualization
- Live CCTV

5. Waze-Sourced Data

Purpose: Data sourced from Waze, providing insights into incidents and congestion based on user reports.

- Waze Analytics
- Integrated

6. TransCore-Sourced Data

Purpose: Analytics and incident data from TransCore systems.

- TransCore Analytics
- Integrated

7. Incident and Work Zone Data

Purpose: Data related to traffic incidents and work zones, including clearance times and impact.

- TransCore Analytics
- Waze Analytics
- Integrated
- Work Zones
- Clearance Time