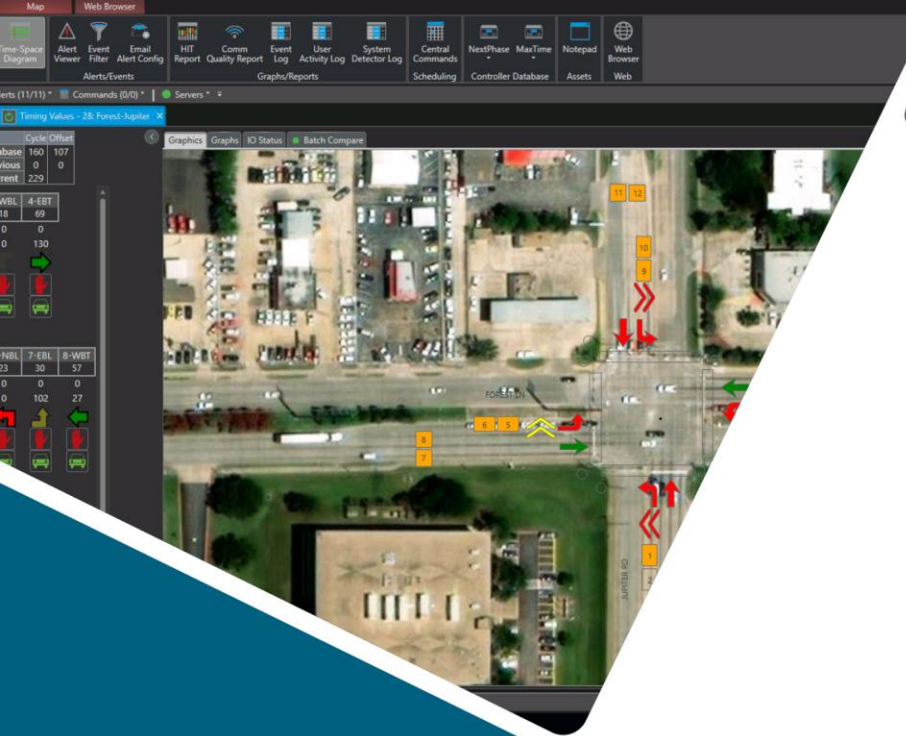




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Traction Priority – CAD/AVL Integration

»»KITS

A Kimley-Horn Software Solution

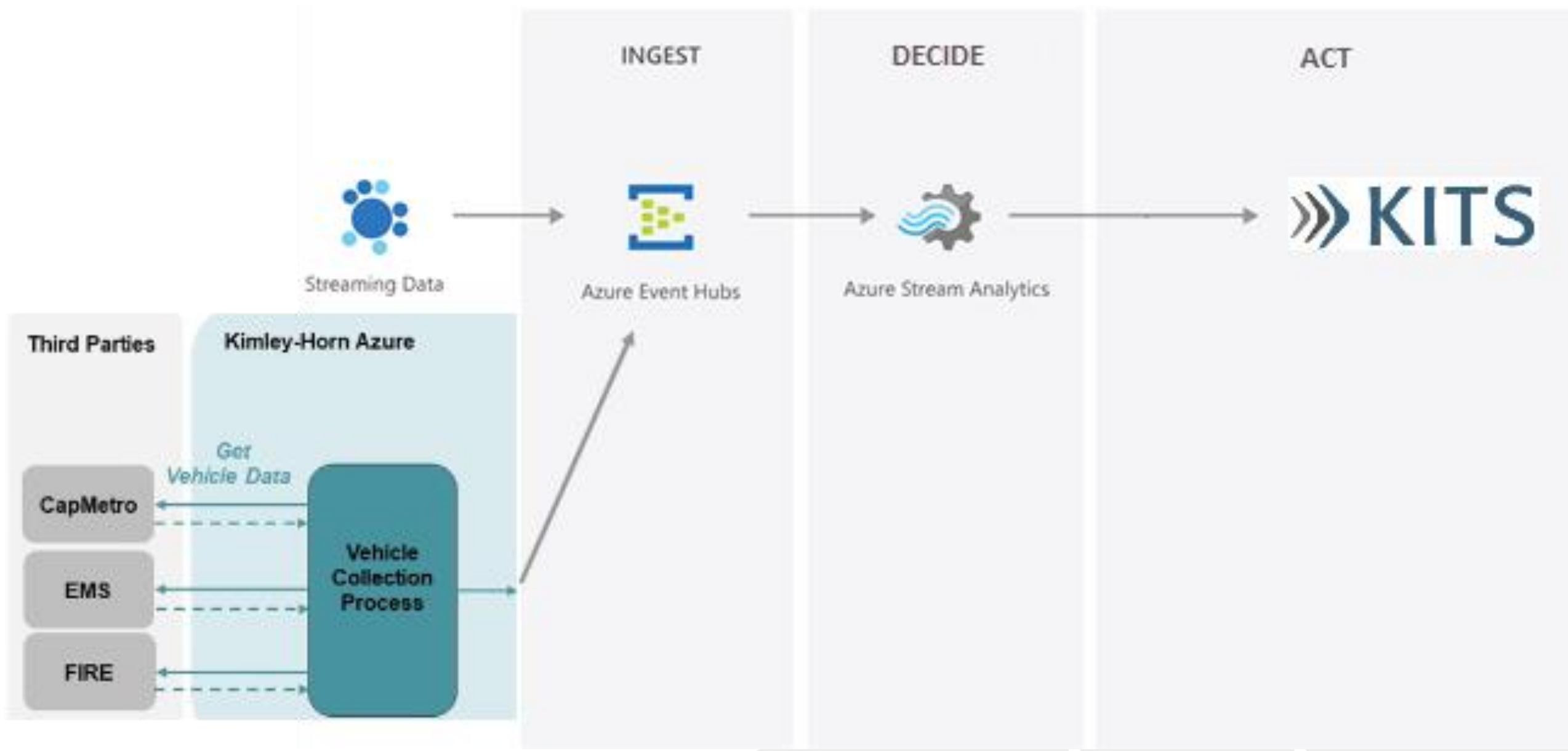
»»Kadence

A Kimley-Horn Software Solution

»»Traction

A Kimley-Horn Software Solution

Cloud-based System



Data Feed Integration

-  Swiftly
-  GEOTAB
- Direct connection via custom code
 - City of Mesa
- First party?
 - Traction / Traction Connect

Reference

Vehicles

GET `https://api.goswift.ly/real-time/{agencyKey}/vehicles`

Fetches real-time information about an agency's vehicles and last-reported locations. If a vehicle is actively serving a route, the route and direction information will also be provided.

To get more detailed information about a vehicle, including block assignment, trip assignment, schedule adherence, and current headway, submit the query with query parameter `verbose=true`. A detailed schema and example data are provided below.

Request

Security: API Key

An API key is a token that you provide when making API calls. Include the token in a header parameter called `Authorization`.

Example: `Authorization: 123`

Path Parameters

agencyKey string

required

The agency key used in the Swiftly dashboard. This is the parameter that follows "dashboard.goswift.ly/" in the Swiftly dashboard url.

`>= 1 characters` `<= 64 characters`

Auth

Authorization : c39d089f7b64d8ce13d7734991091959

Parameters

agencyKey* : cap-metro

route : string

unassigned : string

verbose : true

Send API Request

Response

Preview

200 OK

```
{
  "id": "2551",
  "routeId": "50",
  "routeShortName": "50",
  "routeName": "50 - Round Rock Howard Stati",
  "headsign": "ACC Round Rock",
  "vehicleType": "3",
  "schAdhSecs": 40,
  "schAdhStr": "40.0 sec (late)",
  "headwaySecs": 3497.4,
  "scheduledHeadwaySecs": 3600,
```

Lessons Learned

- Having the right stakeholders involved
 - IT departments
- Data update frequency
- Data feed applications
 - Real-time or historical?
- Data formats



Extensible Markup
Language (XML)



Comma Separated Values
(CSV)



JavaScript Object
Notation (JSON)



Tab Separated Values
(TSV)

👁 Insights

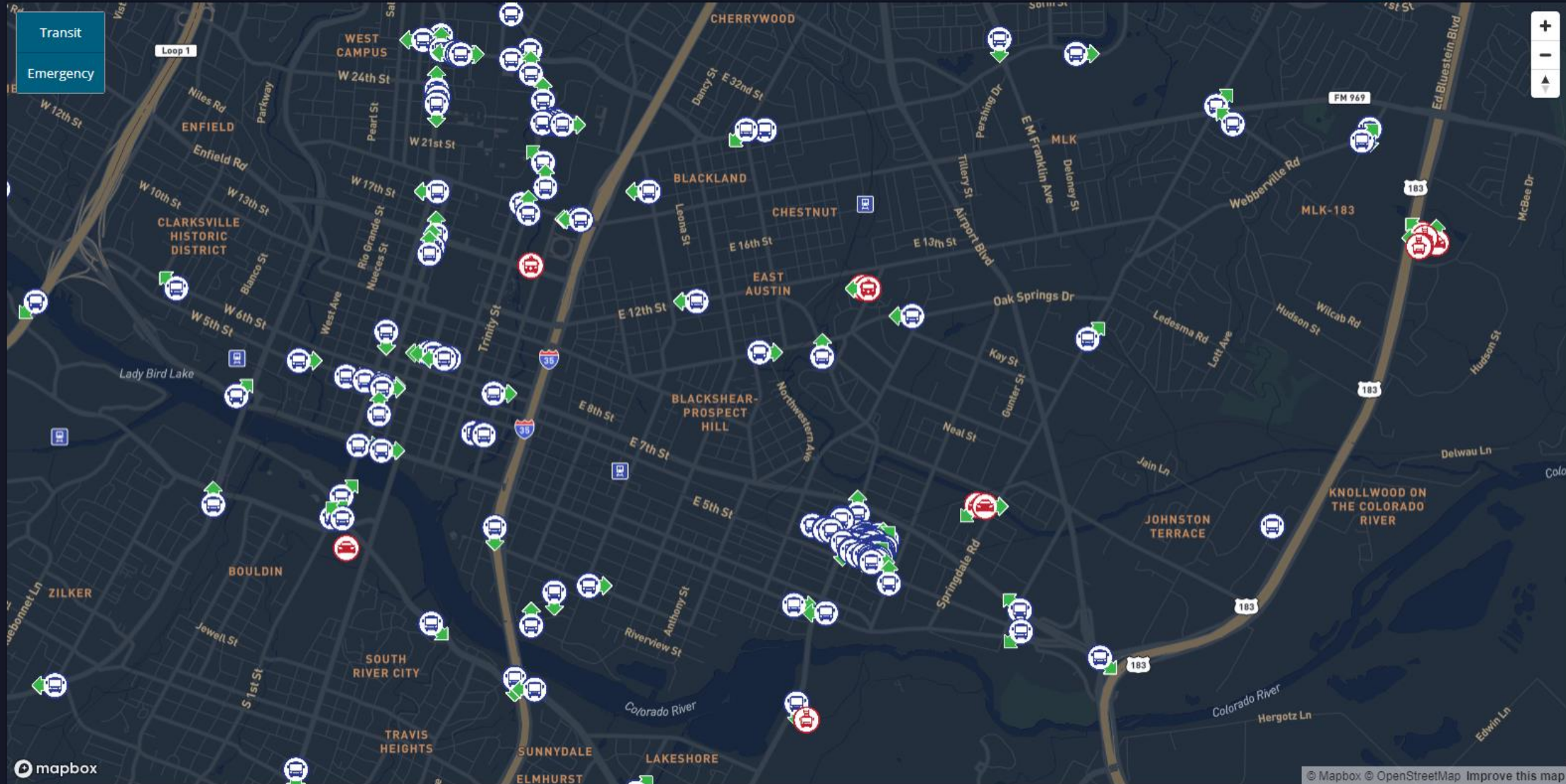
🕒 Live Status

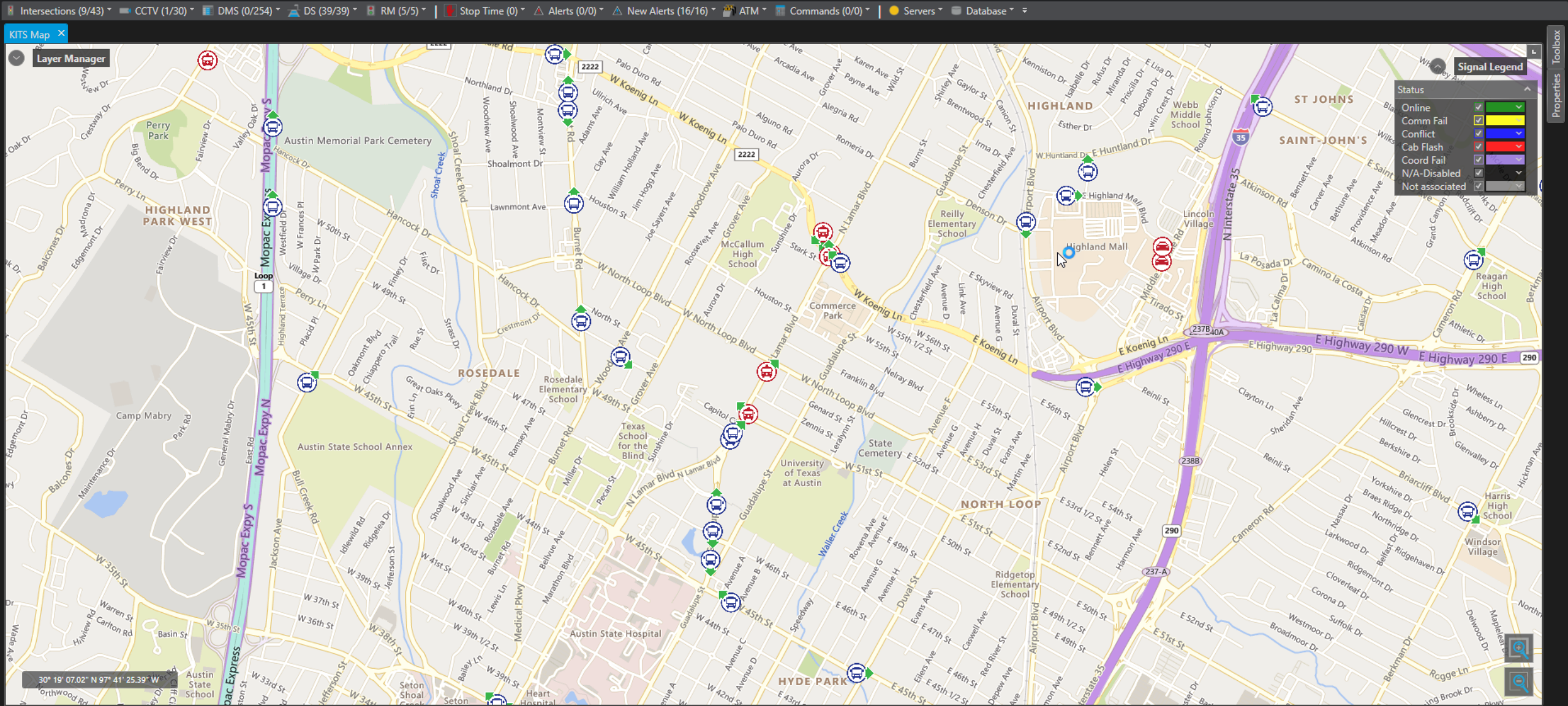
📄 Reports

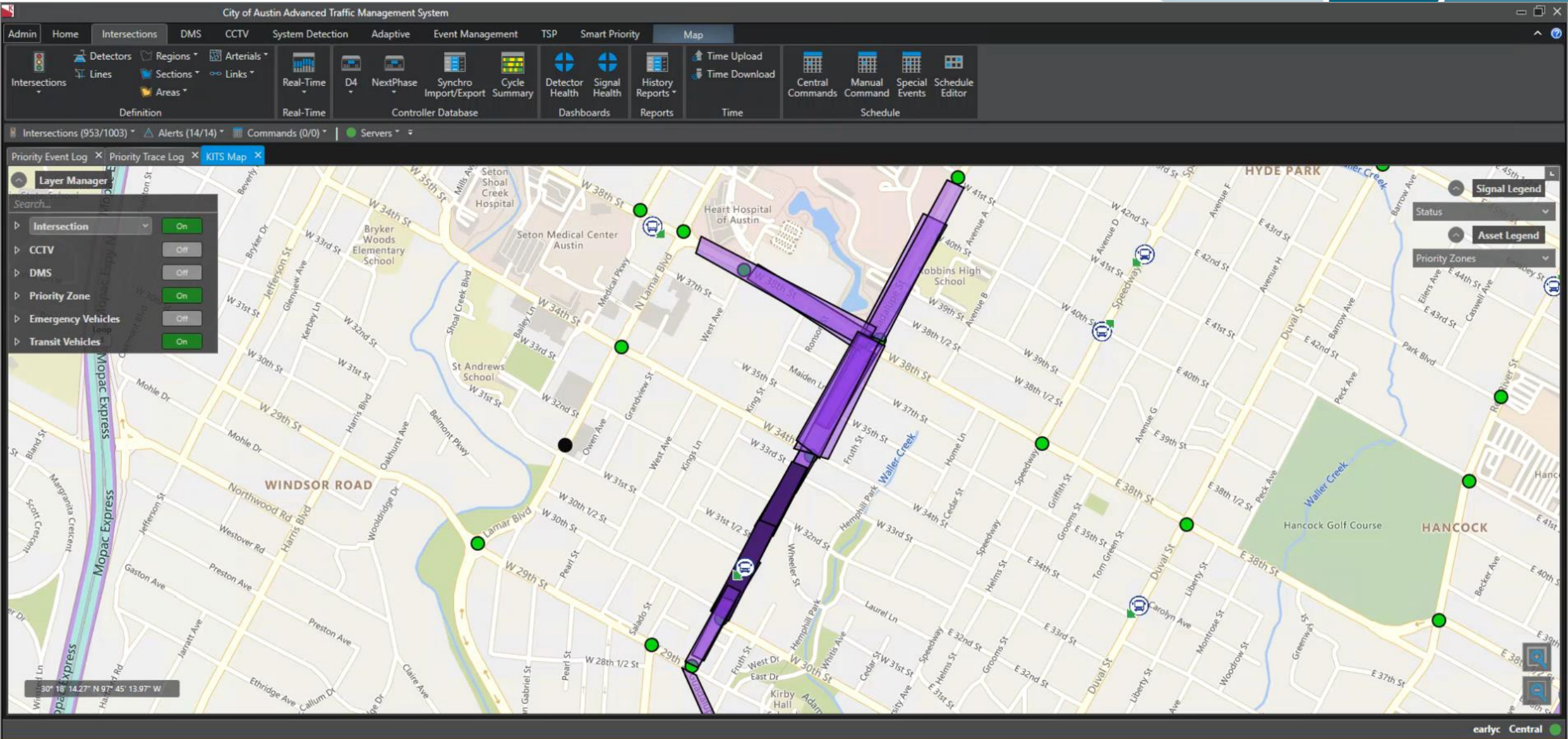
⚙ Configure

Map

System







Insights

Live Status

Reports

Configure

Hourly

Daily

Monthly

Map

System

System Status

TOTAL VEHICLES

GPS FEED

- CapMetro Feed
- EMS Feed

Priority Trace

- AVL Data Verification
- AVL Process
- Geofence Triggered
- KITS Commanded
- TSP Activity

Signals

TOTAL VEHICLES

1,013
TOTAL

27
NOT RESPONDING

Bus Stops

TOTAL VEHICLES

87
TOTAL

14
NEEDS REVIEW

CapMetro Feed Trend

PERCENT UPTIME



EMS Feed Trend

PERCENT UPTIME



Vehicle Type: All

Daily Volume

TOTAL VEHICLES

298

Today

437

Weekday Avg.

Weekly Volume

TOTAL VEHICLES

1,345

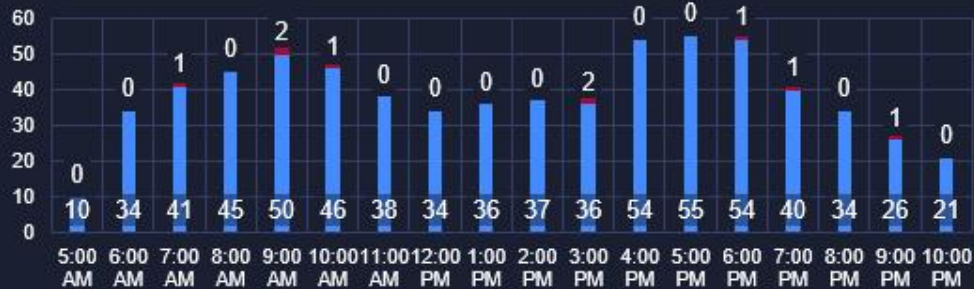
This Week

2,841

Weekly Avg.

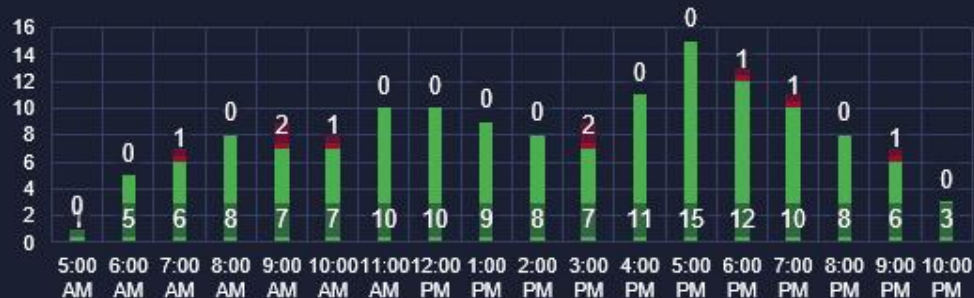
Vehicle Volume

Transit EV

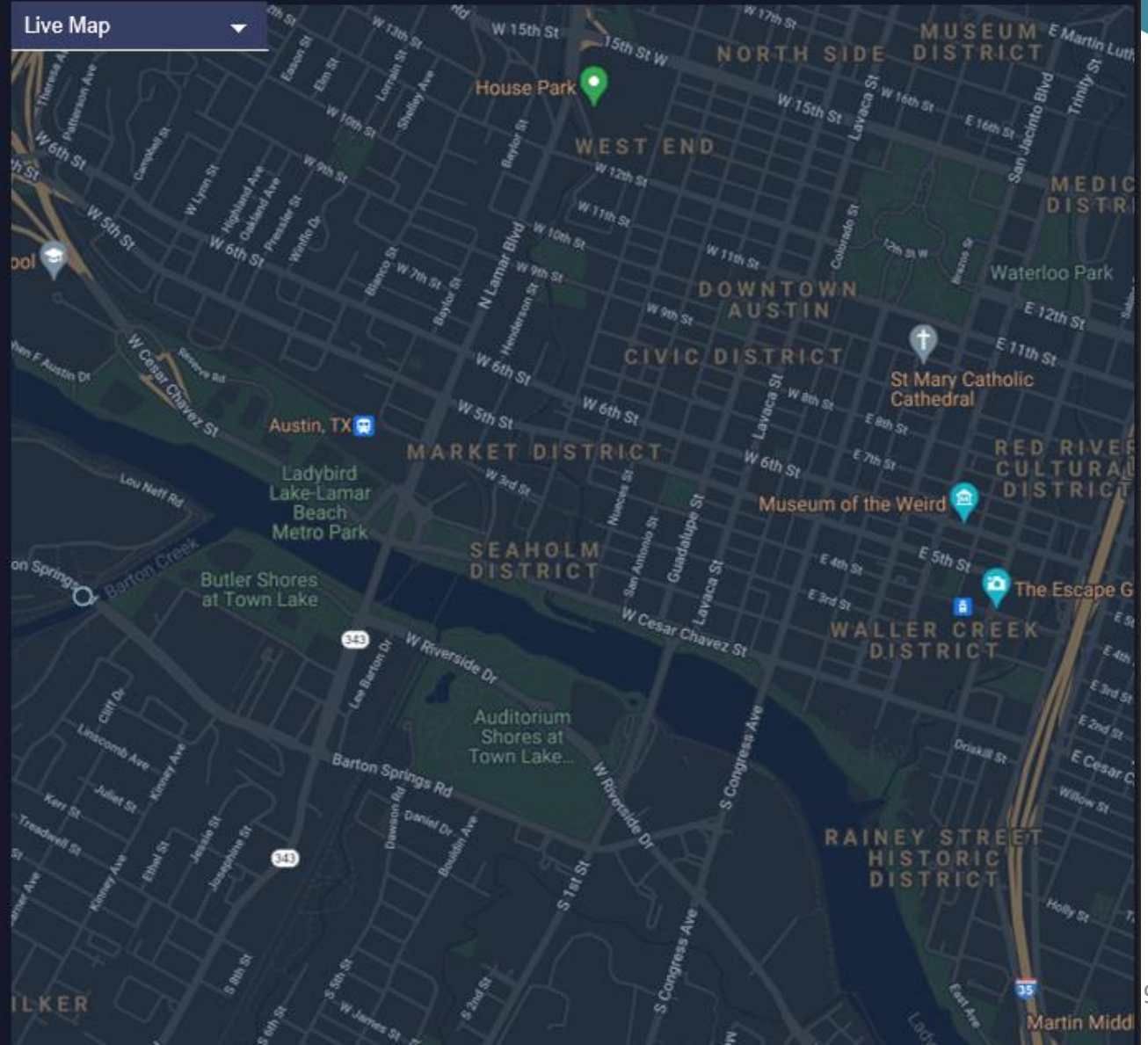


Signal Responses

Priority Preemption



Live Map





Insights

Live Status

Reports

Configure

Event Log TSP Route TSP Compare

Vehicle Type

Time Range

Date Range

Transit



Peak



Date Range



ID	Route	Phase Direction	Signal	Vehicle ID	Date	Geofence start	Geofence end	TSP granted	Signal Response	Delay	Grant Duration
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./Barton Springs Rd.	54	10/1/2021	6:45:03 pm	5:30:00 am	x	Early green	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. Riverside Dr.	54	10/1/2021	6:45:03 pm	5:30:00 am	x	Insufficient...	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. Cesar Chavez...	16	10/1/2021	6:45:03 pm	5:30:00 am	x	Extend green	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 5th St.	10	10/1/2021	6:45:03 pm	5:30:00 am	x	Normal op...	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 6th St.	15	10/1/2021	6:45:03 pm	5:30:00 am	x	Crossing...	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 10th St.	12	10/1/2021	6:45:03 pm	5:30:00 am	x	Early green	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 12th St.	15	10/1/2021	6:45:03 pm	5:30:00 am	x	Early green	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 15th St.	16	10/1/2021	6:45:03 pm	5:30:00 am	x	Early green	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 10th St.	12	10/1/2021	6:45:03 pm	5:30:00 am	x	Early green	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 12th St.	15	10/1/2021	6:45:03 pm	5:30:00 am	x	Early green	00:45	00:20
1	N. Lamar/S. Congress	NB	N. Lamar Blvd./W. 15th St.	16	10/1/2021	6:45:03 pm	5:30:00 am	x	Early green	00:45	00:20

A stylized, dark gray city skyline is visible in the background. It features several buildings of varying heights and widths, some with grid-like patterns representing windows. The skyline is positioned along the bottom edge of the frame. The background is a solid dark gray, and the text 'Questions?' is written in a large, white, sans-serif font in the upper right quadrant.

Questions?