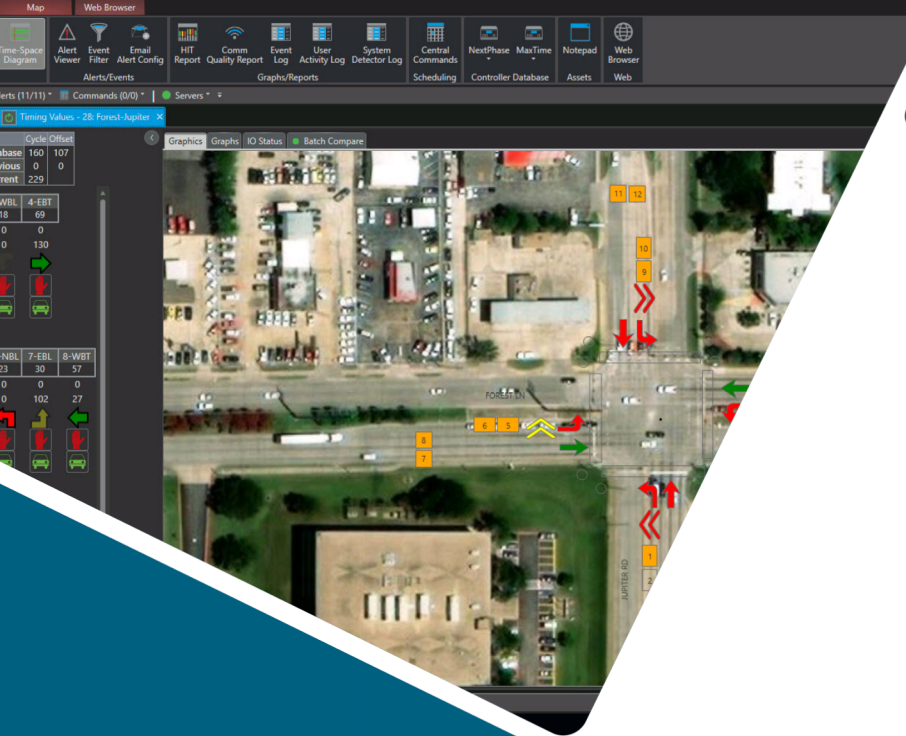


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Kimley»»Horn

SMART CITIES

TECHNOLOGY FORUM

Reno/Sparks Traction Connect

»»KITS

A Kimley-Horn Software Solution

»»Kadence

A Kimley-Horn Software Solution

»»Traction

A Kimley-Horn Software Solution

Traction Smart Cities Ecosystem



»» **TractionLive**

View real-time system status from your web browser or mobile device.

»» **TractionTravel**

Collect, analyze, and automate travel time data and alerts.

»» **TractionPriority**

Provide centralized priority for all modes of transportation.

»» **TractionMetrics**

Visualize performance data with streamlined dashboards and reports.

»» **TractionConnect**

Share and receive connected vehicle data and traveler information messages.

»» **TractionWorkflow**

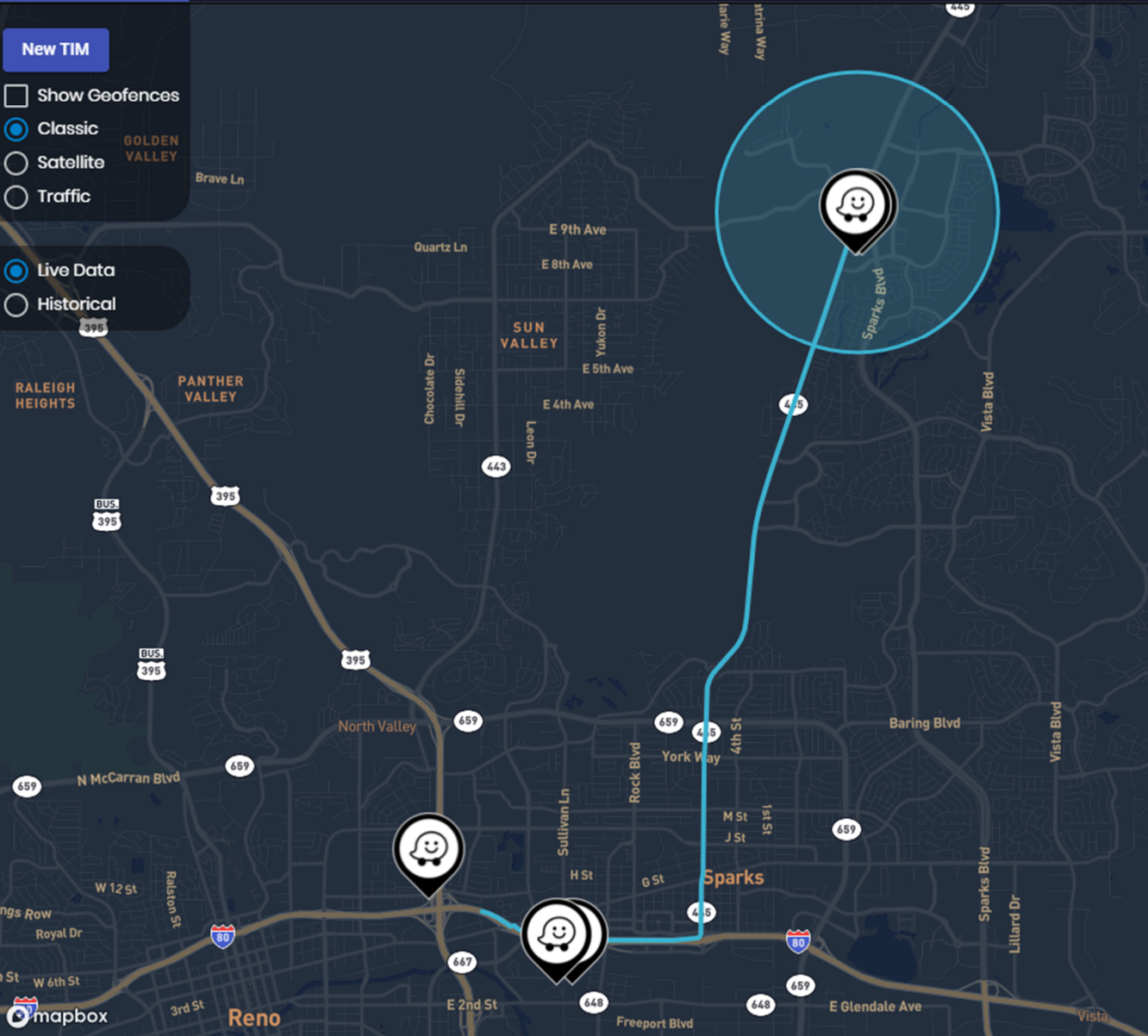
Manage assets, inventory, and work order tasks.

Traction Connect Basics

- Comprehensive connected vehicle solution
- Native interfaces for creating:
 - Traveler Information Messages (TIM)
 - MAP/SPaT (SAE J2735 standards)
- Mobile app for Android Auto and Apple Carplay
- vDMS
- RSE interface in Traction Connect website and KITS ATMS
 - Basic Safety Message (BSM) data
 - RSE status and configuration

Reno/Sparks Project

- Provide motorists with commute travel times and incident notifications
- Inrix as the data source
- Send TMDD plan commands to signals based on travel times

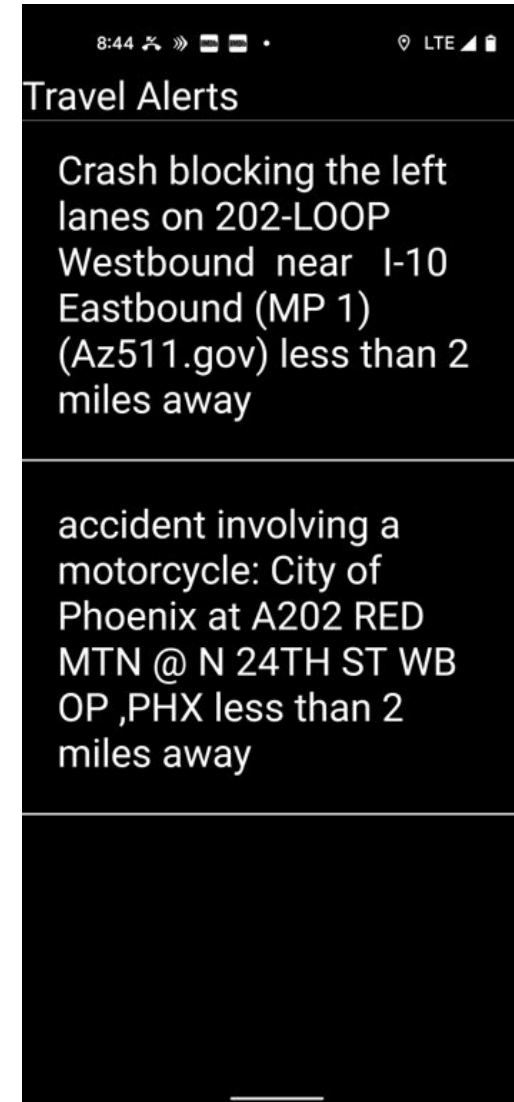


-
- Show Geofences
- Classic
- Satellite
- Traffic
- Live Data
- Historical

Travel Time

| | |
|--------------|---|
| Source | Inrix |
| Agency | Admin |
| Category | Travel Time |
| Asset ID | 7689622 |
| Event Type | Travel Time |
| Description | Spanish Spring to Spaghetti Bowl: Via PYRAMID WAY, I-80 11 minutes. |
| Date Created | Oct 17, 2023, 4:00:32 PM |
| Last Updated | Oct 23, 2023, 8:54:00 PM |

Reno/Sparks Project

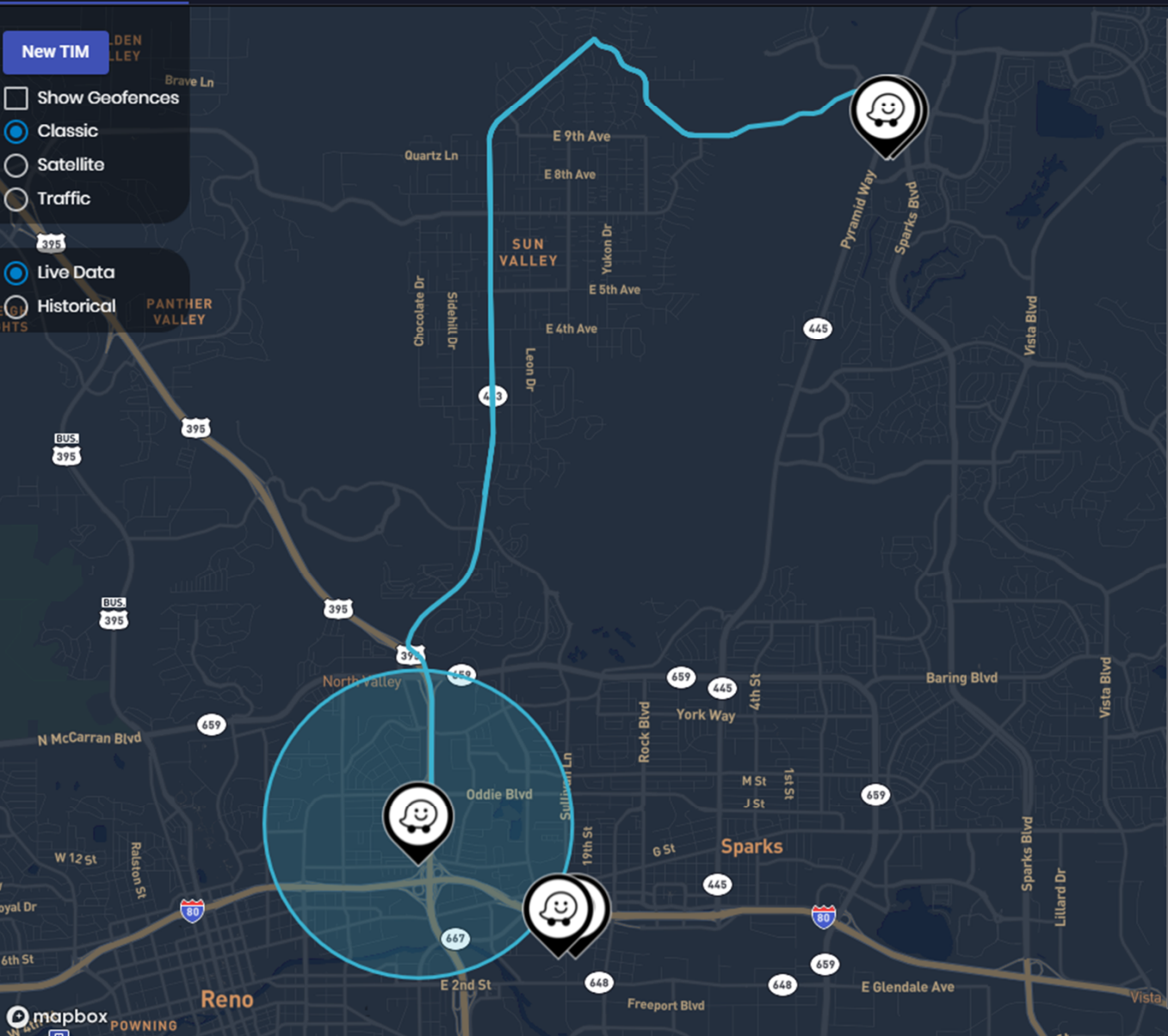


New TIM

- Show Geofences
- Classic
- Satellite
- Traffic

Live Data

- Live Data
- Historical



Travel Time

| | |
|--------------|---|
| Source | Inrix |
| Agency | Admin |
| Category | Travel Time |
| Asset ID | 7689627 |
| Event Type | Travel Time |
| Description | Spaghetti Bowl to Spanish Spring: Via US-395, SUN VALLEY BLVD and HIGHLAND RANCH PKWY 33 minutes. |
| Date Created | Oct 17, 2023, 3:58:41 PM |
| Last Updated | Oct 23, 2023, 8:52:00 PM |

[Zoom To](#)

Seth Searle
seth.searle@kimley-horn.com

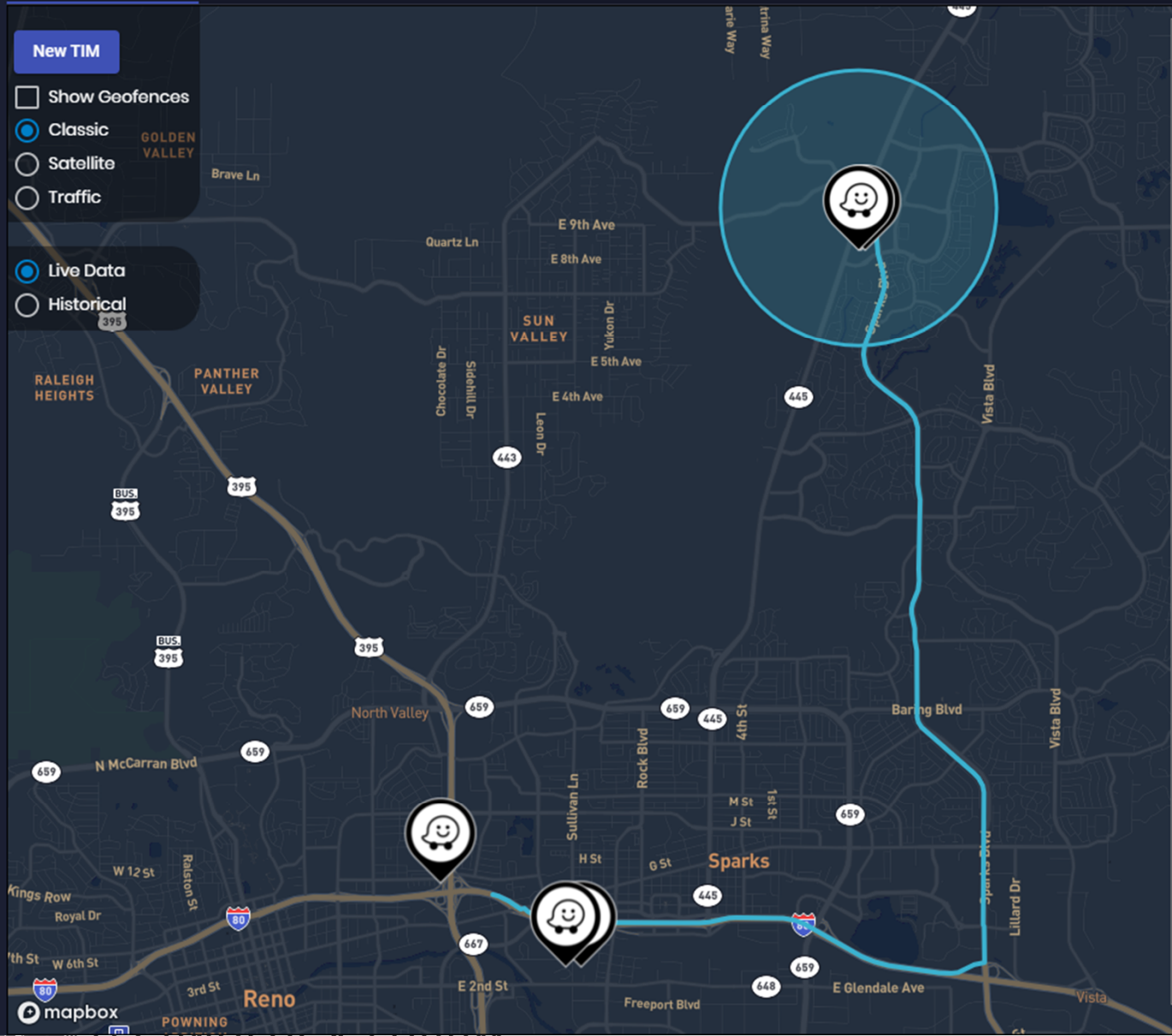
Status Map TIM List SPaT/MAP List TMDD Logic

Connected Vehicles

New TIM

- Show Geofences
- Classic
- Satellite
- Traffic

- Live Data
- Historical



Travel Time

| | |
|--------------|---|
| Source | Inrix |
| Agency | Admin |
| Category | Travel Time |
| Asset ID | 7689623 |
| Event Type | Travel Time |
| Description | Spanish Spring to Spaghetti Bowl: Via SPARKS BLVD, I-80 15 minutes. |
| Date Created | Oct 17, 2023, 3:58:39 PM |
| Last Updated | Oct 23, 2023, 8:53:00 PM |

[Zoom To](#)

Seth Searle
seth.searle@kimley-horn.com

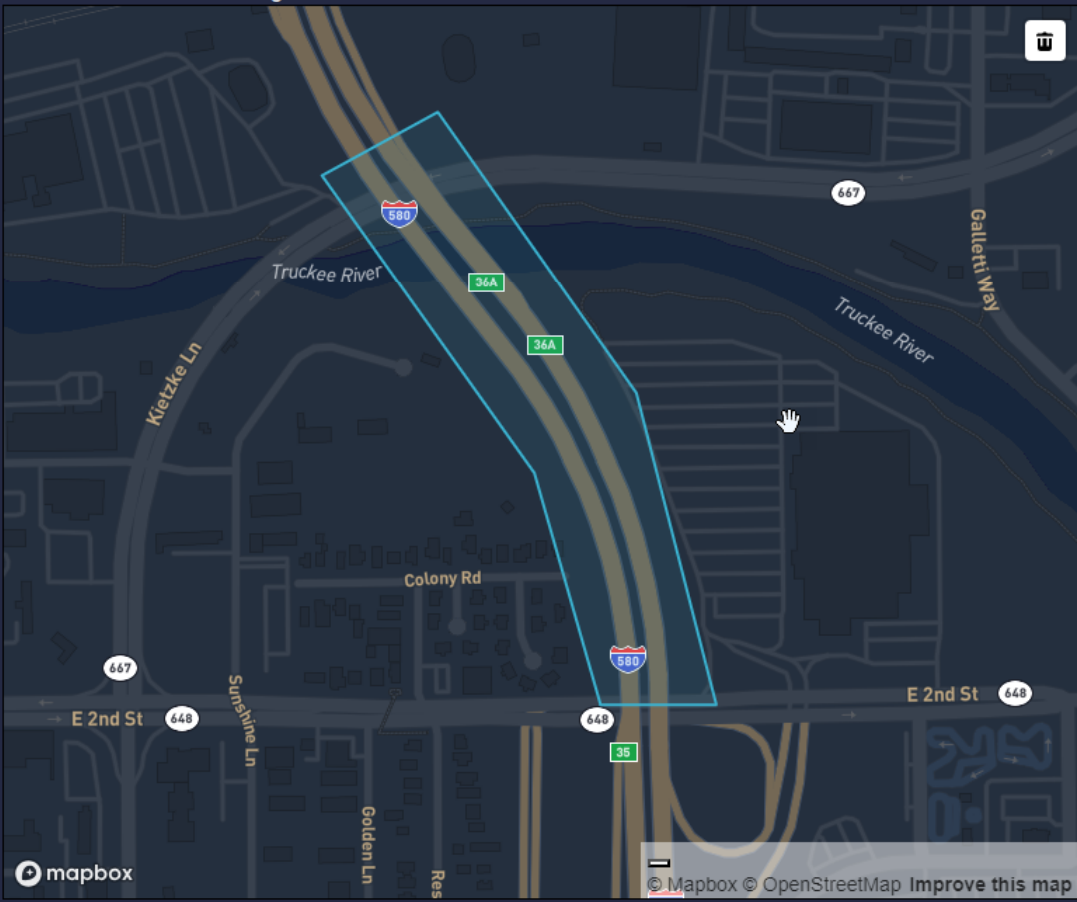
Connected Vehicles

New TIM

Geofence Definition

- Radial
- Custom
- Template

*Double click to end drawing



Notify Directionality Enabled Cancel Save

TIM Definition

Physical DMS

TIM Definition

Custom

TIM Type

Information Type

MUTCD Type

Priority

Low ×

ITIS Event Codes

Search

- stopped-traffic (257)
- stop-and-go-traffic (258)
- slow-traffic (259)
- heavy-traffic (260)
- traffic-building (261)

→

Virtual DMS String Constructor

Add a variable

Enter text and variables or ITIS codes

Add Row

Activation Type

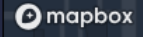
Activate Now Schedule Automated

End Date

04/25/2024 📅

End Time

09:53 AM 🕒



Status Map

TIM List

SPaT/MAP List

TMDD Logic

Add Row

Delete

Save

Revert

| Agency | Logic Name | Route | Input Field | Operator | Input Value | Action Type | Action Index | Signal Id | Description | Is Active |
|--------|------------|-------------------|-------------|----------|-------------|-----------------|--------------|-----------|-------------|-------------------------------------|
| Admin | example | Via I-80, N MC... | Travel Time | < | 3 | Signal Command | 2 | 3 | 2 | <input checked="" type="checkbox"/> |
| Admin | example 2 | Via SPARKS BLV... | Travel Time | > | 20 | Signal Command | 6 | 2 | 2 | <input checked="" type="checkbox"/> |
| Admin | example | Via I-80, N MC... | Travel Time | < | 3 | Signal Command | 2 | 3 | 2 | <input checked="" type="checkbox"/> |
| Admin | example | Via I-80, N MC... | Travel Time | < | 3 | Signal Command | 2 | 3 | 2 | <input checked="" type="checkbox"/> |
| Admin | example 2 | Via SPARKS BLV... | Travel Time | > | 20 | Signal Comma... | 6 | 2 | 2 | <input checked="" type="checkbox"/> |

Via PYRAMID WAY, I-80, N MCCARR

Via SPARKS BLVD, I-80, N MCCARR

Via HIGHLAND RAN

Via PYRAMID WAY

Via I-80, N MCCARR

Via US-395, SUN VA

Travel Time

>

<

=

!=

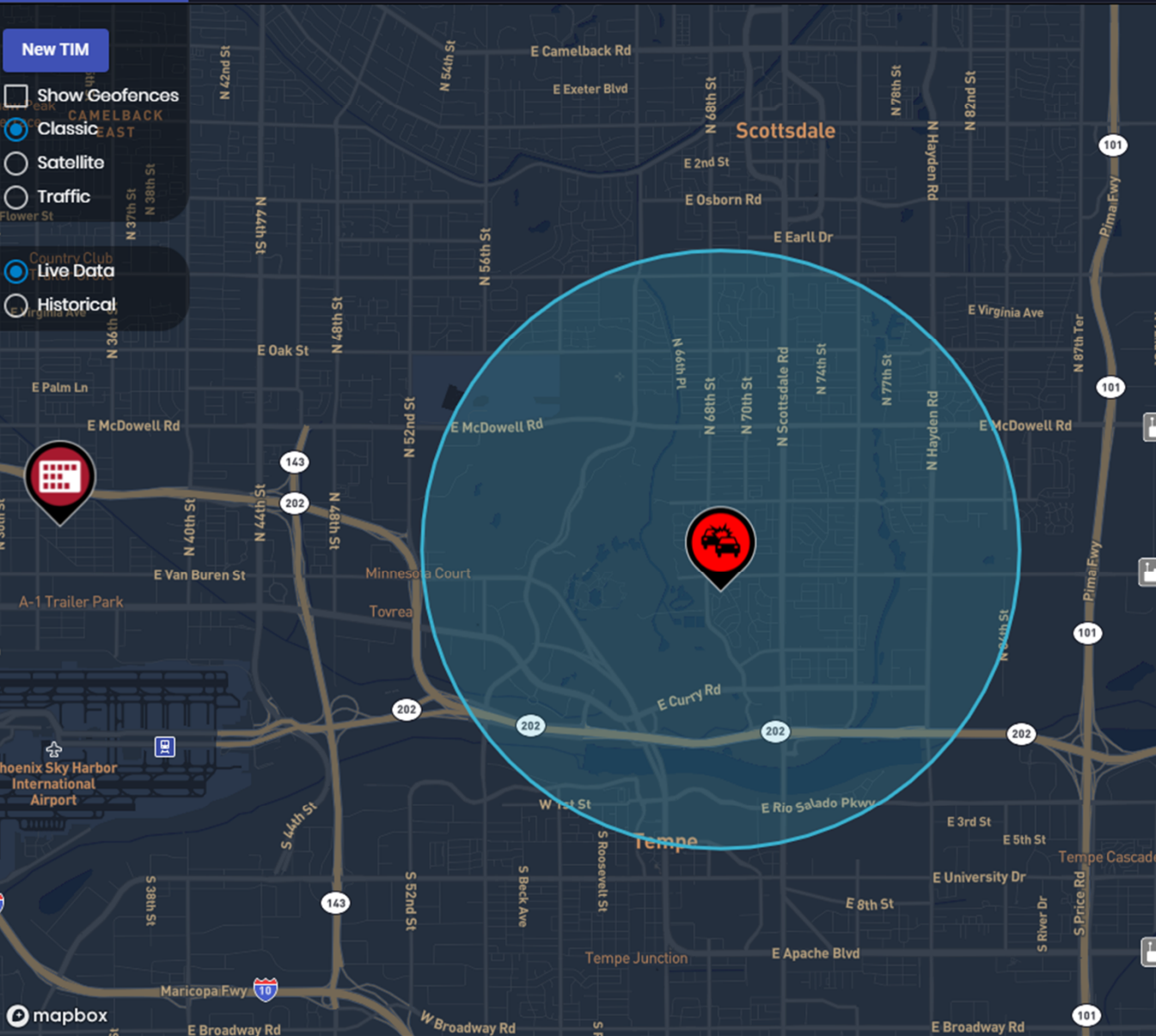
Signal Command

Status Map

TIM List

SPaT/MAP List

TMDD Logic



New TIM

- Show Geofences
- Classic
- Satellite
- Traffic

Country Club

- Live Data
- Historical

accident involving a pedestrian

| | |
|--------------|---------------------------------------|
| Source | CAD 2 |
| Agency | Admin |
| Category | Incident |
| Asset ID | |
| Event Type | Incident |
| Description | City of Tempe at 300 E TAYLOR ST ,TMP |
| Date Created | Oct 23, 2023, 8:49:18 PM |
| Last Updated | Oct 23, 2023, 8:49:18 PM |

Zoom To

© Mapbox © OpenStreetMap Improve this map

The background is a solid teal color. It features several abstract, overlapping geometric lines in a slightly darker shade of teal. One line is vertical, another is horizontal, and a third is diagonal, creating a grid-like structure. A fourth line is diagonal and intersects the others, forming a complex pattern of shapes.

Thank You!

