

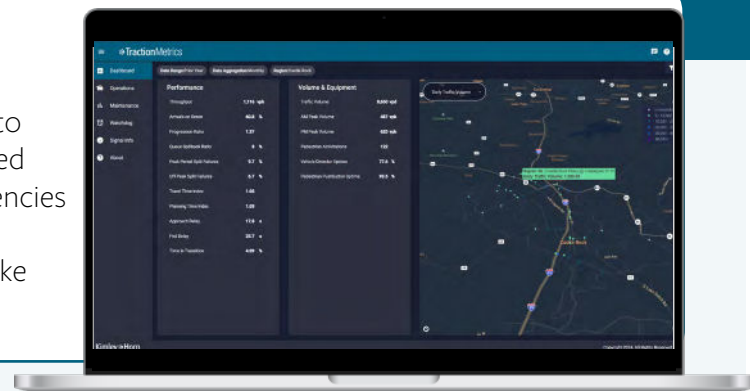
✦ Building your Smart Cities ecosystem starts with Traction™

A Smart City runs on proactive traffic signal management to keep traffic flowing smoothly. Since transportation network needs change minute-to-minute, agencies need real-time data and analytics to stay ahead.

**Traction Metrics** is a transportation management solution that enables agencies to measure signal performance and implement remote troubleshooting across their entire traffic signal network.

## TRAFFIC SIGNAL SYSTEM MANAGEMENT

Using advanced automated traffic signal performance measures (ATSPM), Traction Metrics leverages big data to optimize traffic signal system management. The web-based dashboard provides real-time operations feedback so agencies can monitor individual signal, signal group, and corridor trends, identify the root cause of network issues, and make informed decisions about how to resolve them.



## Data types and visualizations



### PERFORMANCE BASED DATA

- Throughput
- Split failures
- Arrivals on green
- Progression ratios
- Travel time index



### VOLUME BASED DATA

- Traffic volume
- Peak and off-peak period volume



### EQUIPMENT MEASURES

- Pedestrian activations
- Vehicle detector uptime
- Pedestrian pushbutton uptime



## What Traction Metrics can do for you

### STREAMLINE DECISION MAKING



Use data visualizations to identify trends, understand performance, and inform signal optimization decisions to improve network safety and efficiency.

### REAL-TIME SIGNAL MONITORING



Identify system issues immediately with automated signal data collection and analysis to determine maintenance and repair needs.

### QUANTIFY IMPACT



Measure the impact of signal timing adjustments and repairs on network performance to inform stakeholder engagement.

### CUSTOMIZE INSIGHTS

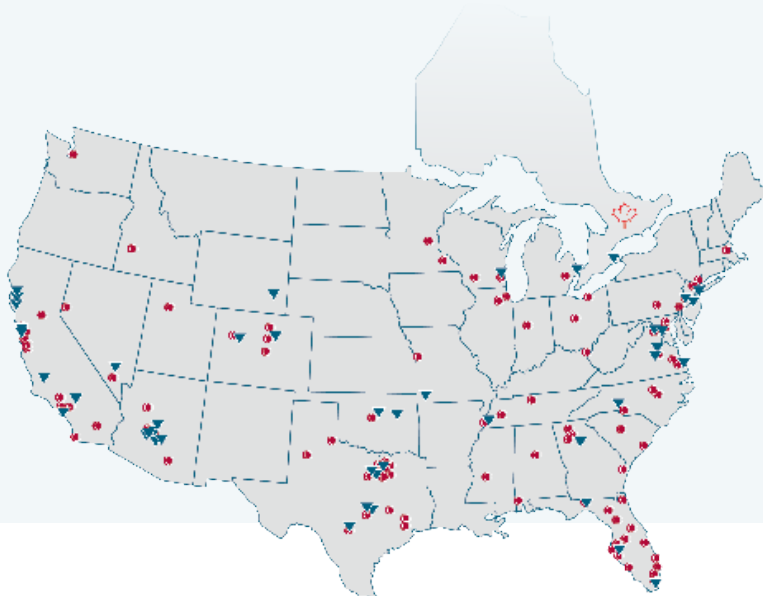


Align your data with top agency priorities for effective communication.

### SIMPLIFY SIGNAL MANAGEMENT



Measure performance with no additional hardware and fewer field visits to save time and resources.



**100+**  
KIMLEY-HORN  
OFFICES  
NATIONWIDE



**50+**  
TRACTION  
AGENCY USERS

