

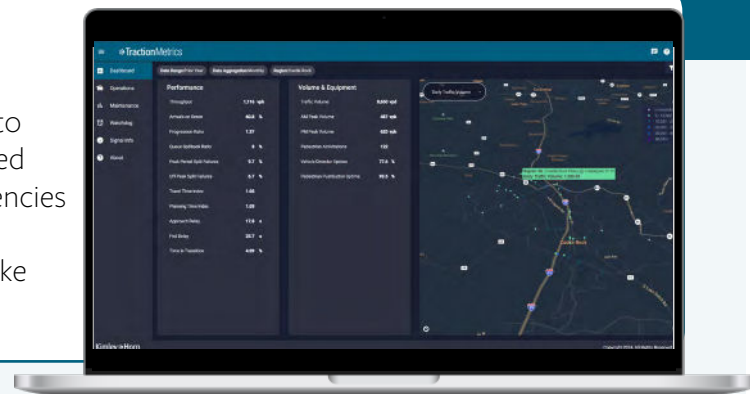
✦ Building your Smart Cities ecosystem starts with Traction™

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

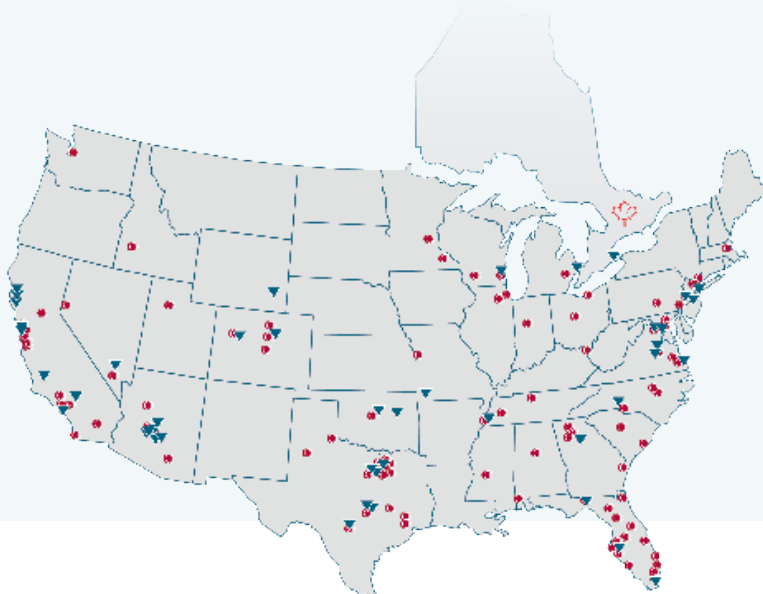


Align your data with top agency priorities for effective communication.

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

