Kimley»Horn

SMART CITIES TECHNOLOGY FORUM

LEARN • COLLABORATE • SHARE • ENERGIZE

For over 15 years, Kimley-Horn has been fostering connections between our clients at our Smart Cities Technology Forum. This three-day conference is a great opportunity for transportation and mobility professionals to collaborate, discuss common challenges, and share solutions to address them. We hope you will join us!

What to expect:

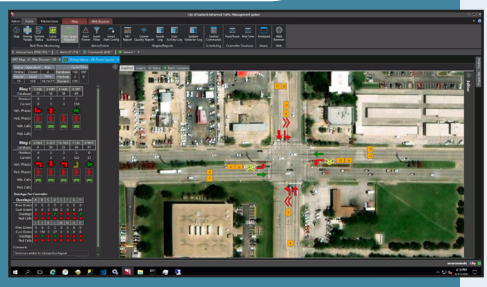
- A variety of Smart Cities discussions highlighting latest initiatives and successes by our clients
- Engaging technical presentations by Kimley-Horn and our software users
- Optional training day for our software platforms

Conference benefits:

- Build your network with peers from across the US and Canada
- Explore the value of Smart Cities solutions
- Learn from success stories, best practices, and lessons learned from agencies nationwide

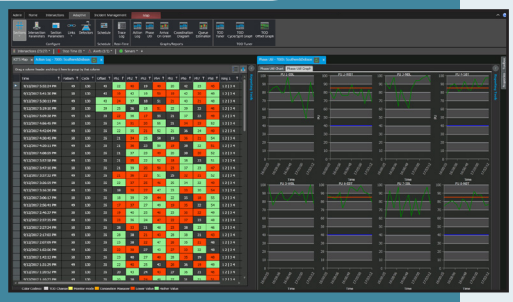
OUR SOFTWARE PLATFORMS

»KITS
A Kimley-Horn Software Solution



KITS is an Advanced Traffic Management System (ATMS) offering functional solutions for traffic monitoring, traffic signal control, ramp metering, incident management, road condition tracking, equipment monitoring, adaptive control (Kadence), inventory and asset management, and specialized websites. The KITS freeway and arterial transportation management system provides the right technical solutions to fit your situation, based on a thorough understanding of your needs and infrastructure.

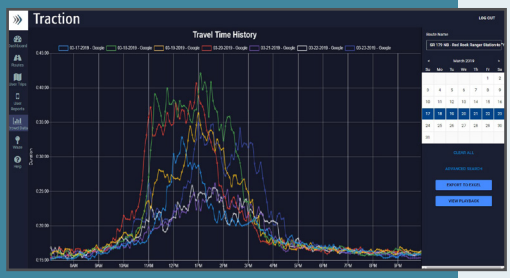
»Kadence
A Kimley-Horn Software Solution



Kadence is an Adaptive Traffic Control Software (ATCS) that automatically adjusts signal timing based on current conditions. The system analyzes detector data and implements algorithms to tune traffic signal parameters in real-time, including cycle length, split time, offset, phasing sequence, and time-of-day (TOD) schedule. Kadence is integrated directly into the KITS Advanced Traffic Management System (ATMS) and additionally includes advanced analytical displays for Automatic Traffic Signal Performance Measures (ATSPMs).

Traction

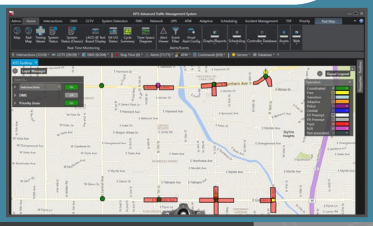
A Kimley-Horn Software Solution



Traction is an easy-to-use, browser/mobile-based, cloud-hosted solution that provides transportation performance data to our public clients without the need for field infrastructure. Traction is designed to provide data and analytics to drive informed decision making and transportation congestion improvements for municipalities and other government agencies. The mobile application can be leveraged to collect travel times for user-defined trips (trajectory data). This data, along with crowd-sourced travel times and high-level performance measure indicators, can be accessed on the Traction website.

Smart Priority

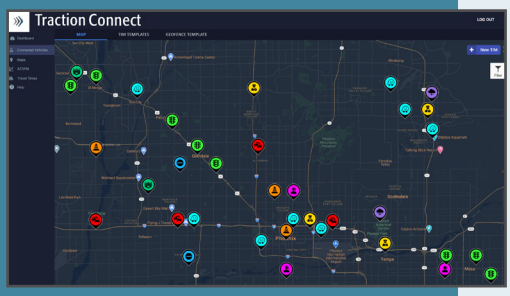
A Kimley-Horn Software Solution



Smart Priority is a centralized Transit Signal Priority (TSP) and Emergency Vehicle Preemption (EVP) software module. Smart Priority provides cloud-based, centralized priority or preemption with no additional hardware required in the controller cabinet. Smart Priority can leverage existing on-board equipment and/or utilize a standalone iOS or Android Global Positioning System (GPS)-enabled cellular mobile device running Kimley-Horn's Smart Priority Traction app.

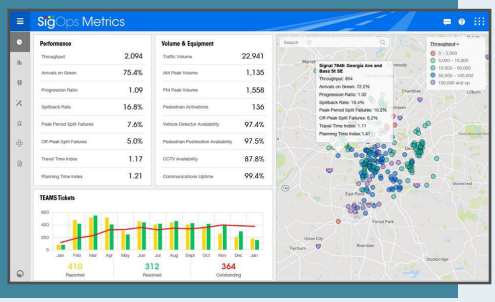
TractionConnect

A Kimley-Horn Software Solution



Traction Connect is a next generation 511 and connected vehicle management solution software. This software allows agencies to broadcast geofenced alerts to travelers using iOS and Android smartphones and Apple CarPlay and Android Auto infotainment systems. Travelers receive warnings when entering each geofence including real-time ATMS status alerts such as occupied rail crossings, flooded roads, wrong way driving, signals in flash, work zones, and speed and queue warnings. SPaT/MAP data can be broadcast to provide eco-driving and other non-life-safety Connected Vehicles (CV) applications. Life-safety applications are supported in Traction Connect through integration of DSRC/CV2X RSEs and OBUs.

SigOps Metrics



SigOps Metrics is a powerful performance measurement solution developed as part of the Georgia Department of Transportation's (GDOT) SigOps program—a first of its kind program designed to improve traffic operations, safety, and mobility across the state through proactive management and maintenance of traffic signals, arterial Intelligent Transportation System (ITS) infrastructure, and the use of existing and emerging technologies. SigOps Metrics is open-source and provides aggregated Automated Traffic Signal Performance Measures (ATSPM). The solution leverages individual intersection data from the open-source ATSPM application originally developed by Utah Department of Transportation (UDOT) and aggregates that data to provide corridor and regional metrics including throughput, arrivals on green, and split failures, along with a systemwide dashboard overview. SigOps Metrics also contains a device watchdog that analyzes data to help technicians proactively identify device and data issues. In addition to ATSPM data, SigOps Metrics is able to ingest data from other GDOT applications and third party data sources to further enrich the available dataset and provide additional performance metrics.

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