How are your signals performing?

Automated Traffic Signal Performance Measures (ATSPM) can revolutionize the way you detect issues, prioritize resources, and identify areas for improvement within your roadway network.

**Traction is designed to maximize your access to:**

- Clear, actionable data
- Easy-to-use dashboard displays
- Corridor and system level interactive ATSPM reporting

**Powerful Functional Modules**

Traction’s unique three module approach provides a comprehensive approach to transportation performance monitoring.

**View Parameters in Real-Time and Create Monthly Reports**

**Arterial Performance Measures**

- Vehicle Throughput
- Arrivals on Green
- Queue Spillback
- Split Failures
- Travel Time Index
- Planning Time Index

**Volume-Based Measures**

- Traffic Volume
- AM Peak Volume
What do I need to gather data?

<table>
<thead>
<tr>
<th>Signal Performance Measure</th>
<th>Setback detection</th>
<th>Stop bar detection (lane by lane)</th>
<th>Traction Crowd Data Module</th>
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<td>Arrivals on Green</td>
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<td>AM Peak Volume</td>
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1. Google Maps Directions APIs, Waze, and Azure/Tom-Tom supply real-time travel time data.
2. User trajectory data provided by users with iOS or Android Traction mobile app. ATMS dashboard metrics available on Android and iOS devices.
3. UDOT ATSPM software polls high-res data. Real-time information can be pushed to DMS.
4. Web services and database are cloud hosted by Microsoft Azure.
5. Information displayed to agency users through browser and mobile app-based views.

Ready For More?

www.kimley-horn.com/traction