

Traction

Smart Transportation Analytics.

Improve your traffic operations
with Traction ATSPM.

How are your signals performing?

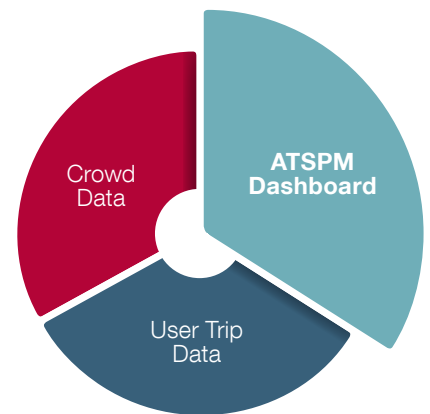
Automated Traffic Signal Performance Measures (ATSPM) can revolutionize the way you detect issues, prioritize resources, and identify areas for improvement within your roadway network.

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

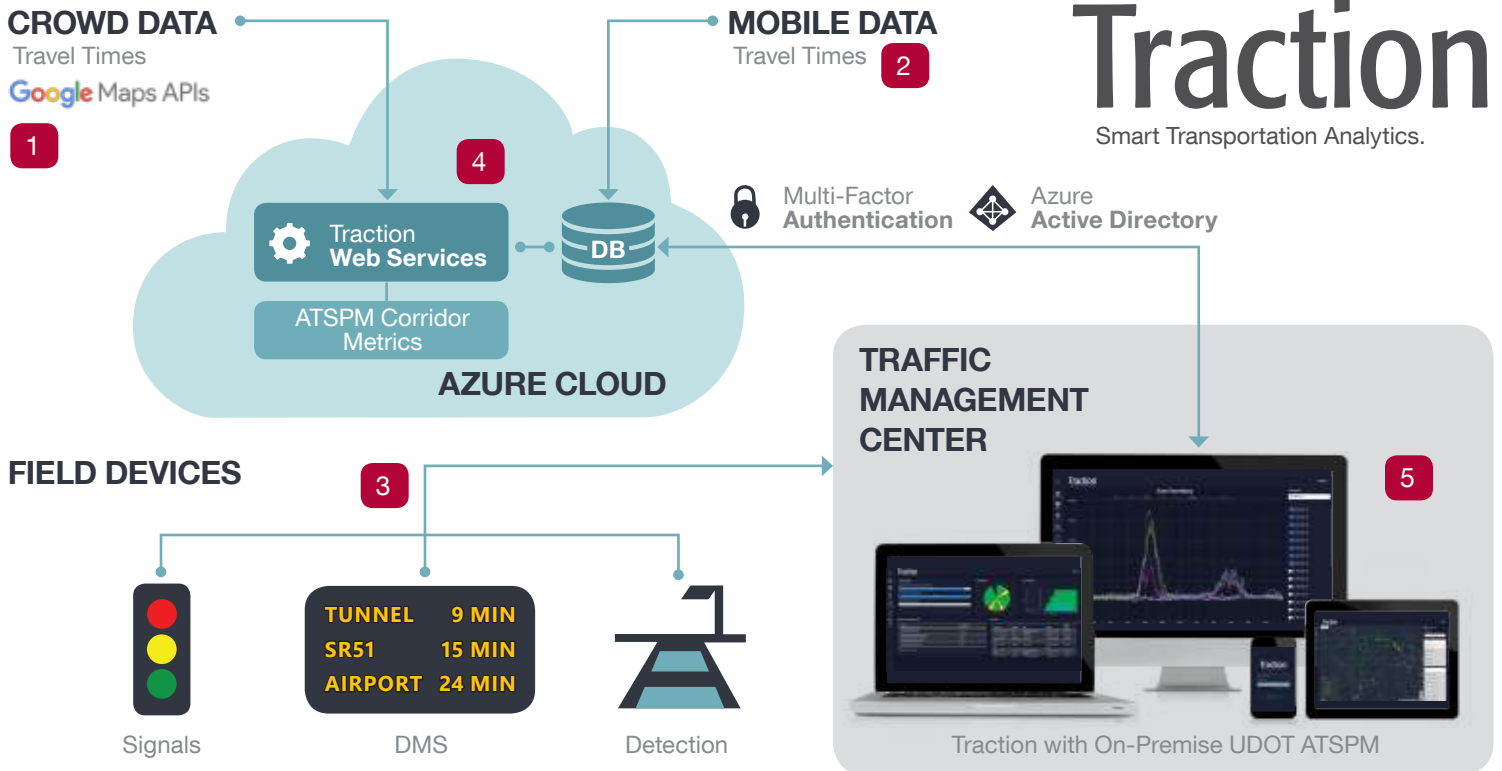
Volume-Based Measures

- » Traffic Volume
- » AM Peak Volume
- » PM Peak Volume



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- 1 Google Maps Directions API supplies real-time travel time data.
- 2 Mobile travel time data provided by user trips.
- 3 UDOT ATSPM software polls high-res data. Real-time information pushed to DMS.
- 4 Web services and database are cloud hosted by Microsoft Azure.
- 5 Information displayed to agency users through browser-based views.

What do I need to gather this data?

	Signal Performance Measure	Setback detection	Stop bar detection (lane by lane)	Traction Crowd Data Module
Arterial Performance	Throughput	✓		
	Arrivals on Green	✓		
	Queue Spillback	✓		
	Split Failures		✓	
	Travel Time Index			✓
	Planning Index			✓
Volume	Traffic Volume	✓		
	AM Peak Volume	✓		
	PM Peak Volume	✓		

Ready For More?

www.kimley-horn.com/traction

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