

ClearGuide Solution Value





ClearGuide:

The most powerful
transportation analytics
solution available

- ✓ Improve safety and mobility
- ✓ Turn large amounts of complex data into key insights
- ✓ Make smart, data-driven operations and planning decisions
- ✓ Reduce manual effort in congestion and safety plans

ClearGuide Packaged Offerings



ClearGuide Roadways



ClearGuide Safety

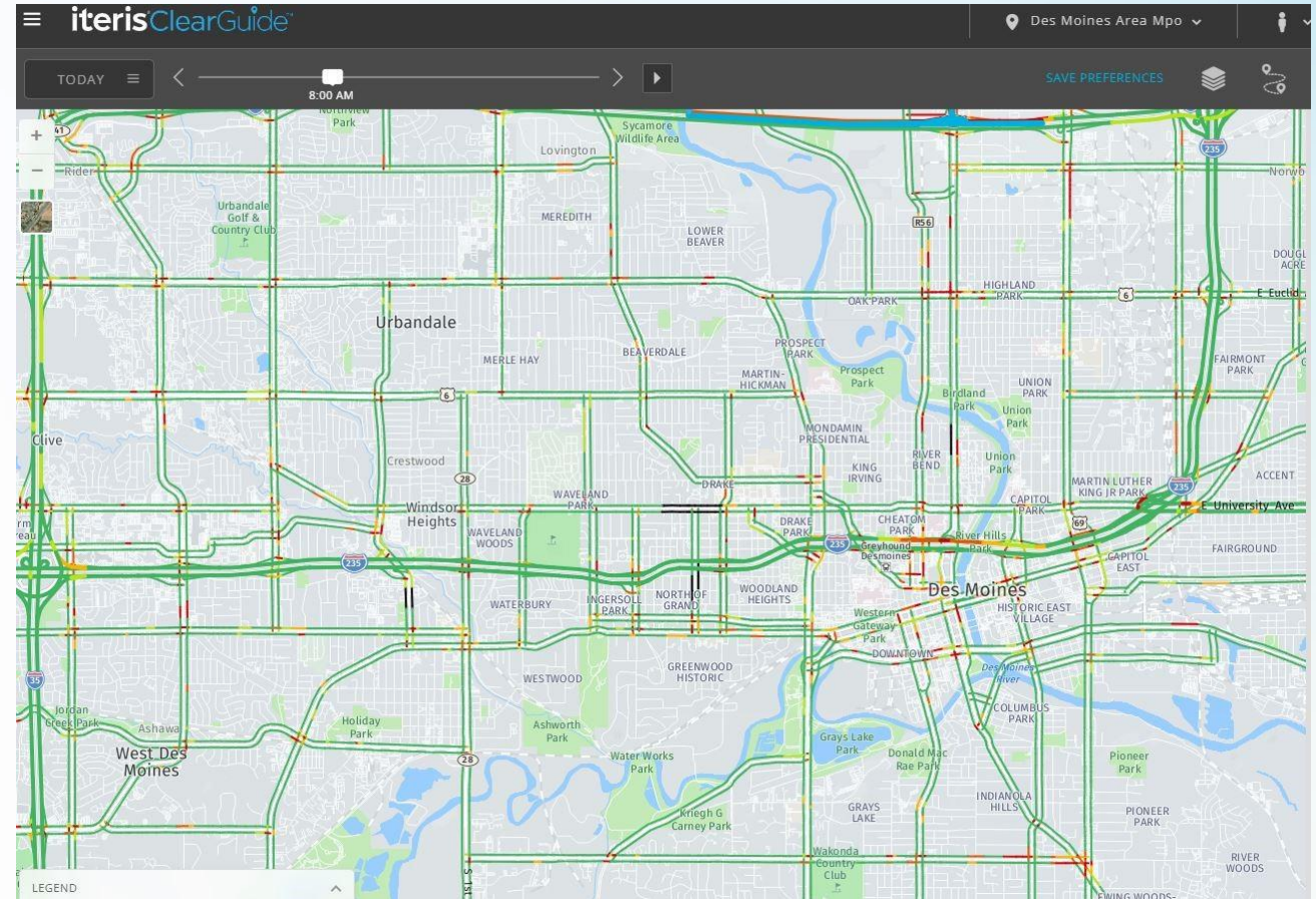


ClearGuide Signals

- **Analyze and track congestion** and export for reporting
- **Conduct congestion hotspot** analyses and improve real-time operations
- **Improve work zone mobility** through map tools and congestion alerts
- **Reduce speeding** by targeting countermeasures at true speeding hotspots
- **Measure the benefits** of safety improvement projects
- **Identify dangerous locations** by cross referencing with other safety information
- **Fix maintenance and operational issues** before they become complaints
- **Maintain optimized signal timing** by tracking average arrivals on green, split failures, and turning movement percentages
- **Leverage configurable alerts**

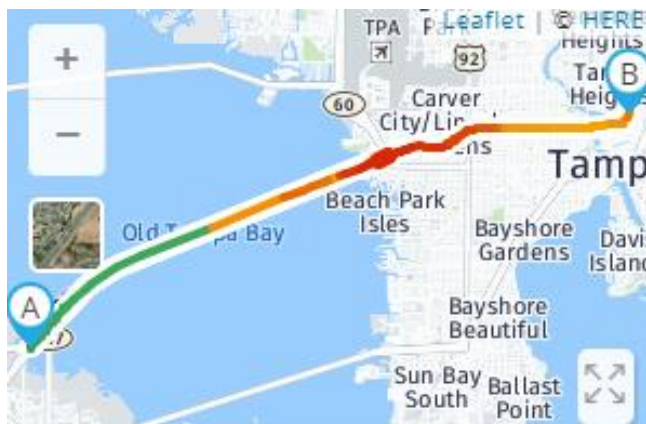
ClearGuide Roadways

- Allows agencies to take an "x-ray" of their region to know when and where congestion is
- Track congestion in/around work zones or big events without relying on hardware to maintain
- Report on metrics including travel time, delays, speeds

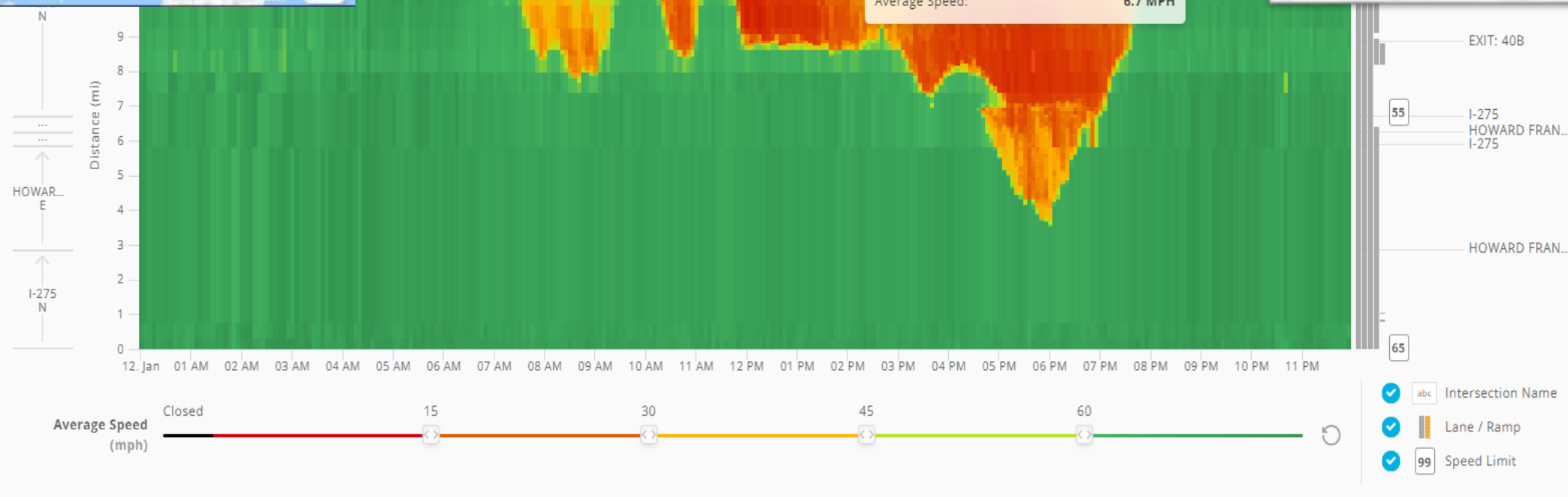


Operations and After Action Reviews

Collaborate across stakeholders and jurisdictions to improve responses

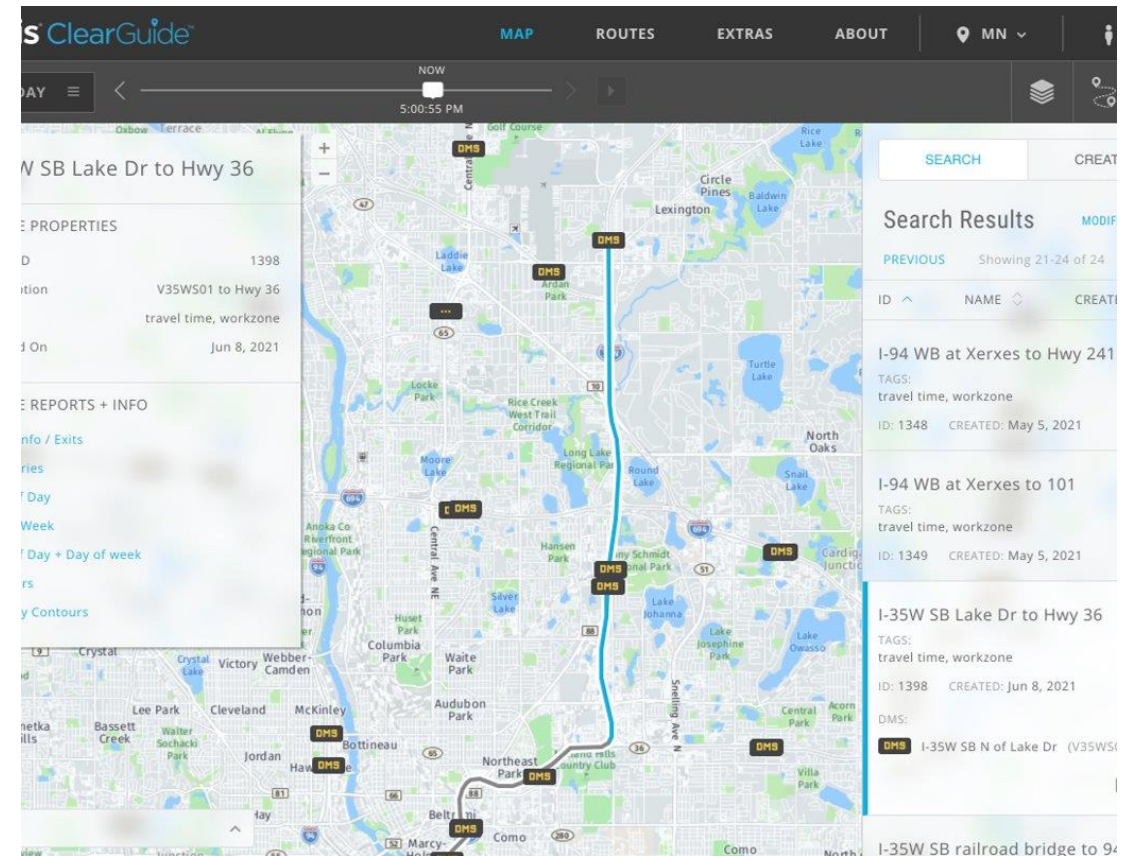
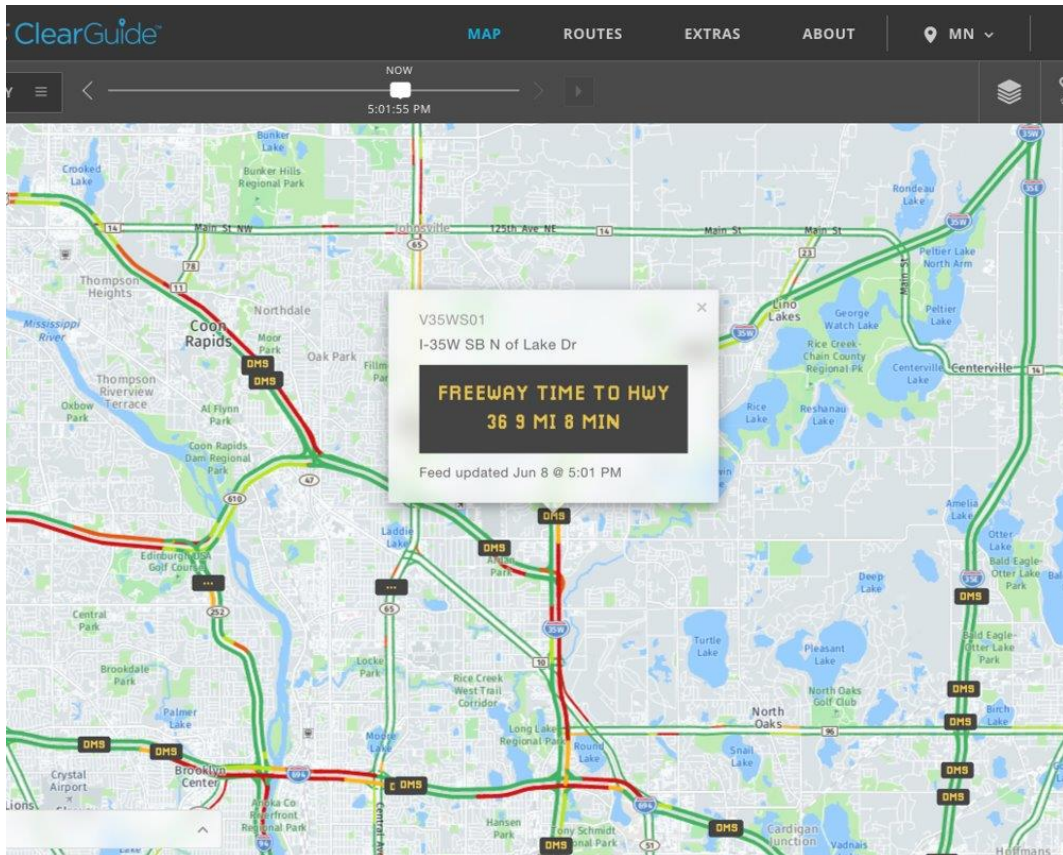


Route: I-275 (N) to I-275 (N)
(THU 01/12/2023 TO THU 01/12/2023)

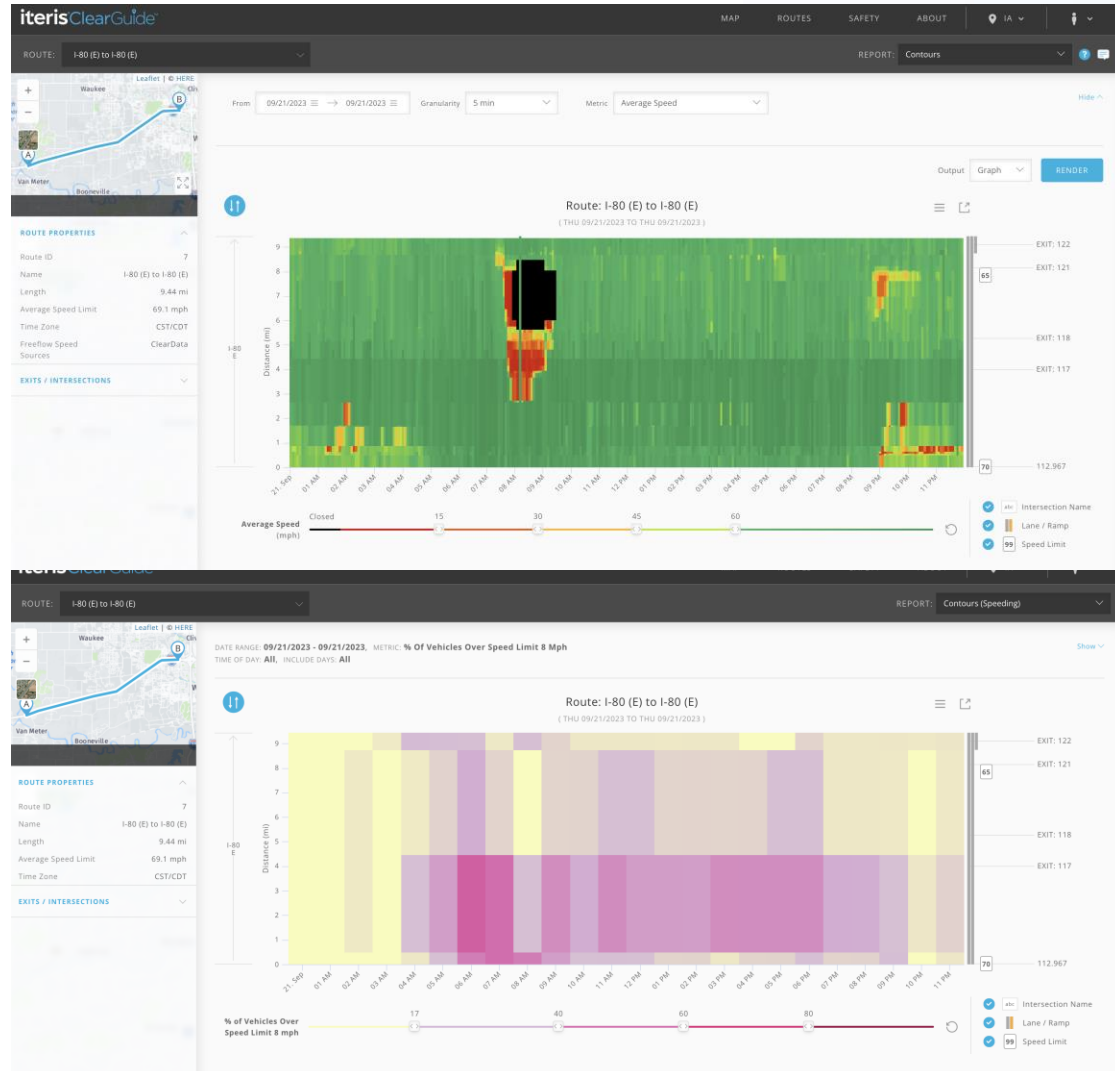


Work Zone Traffic and Traveler Information via DMS Message

ClearGuide saves hundreds of thousands of dollars per work zone in hardware costs



Des Moines Area Work Zone Crash



9-car pile up marks 41st crash in construction zone on I-80 in West Des Moines



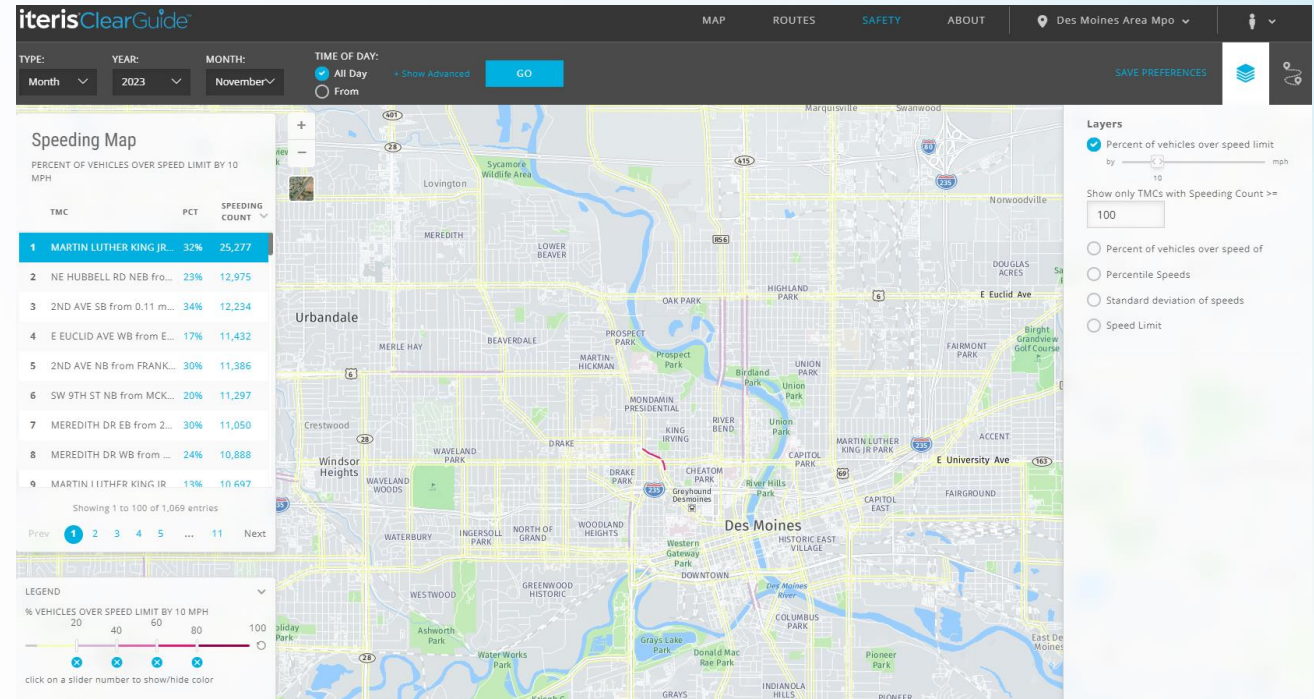
Updated: 5:20 PM CDT Sep 21, 2023

Infinite Scroll Enabled



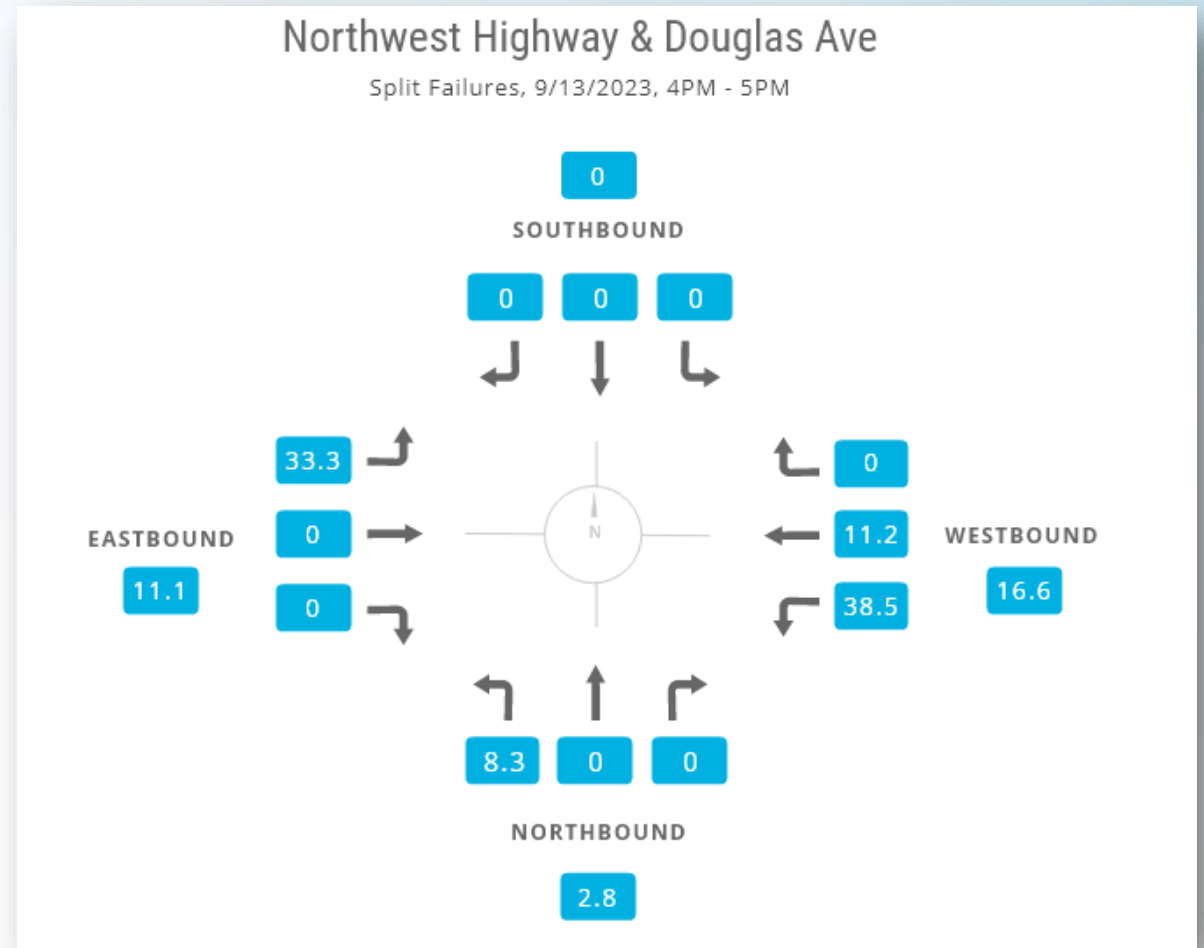
ClearGuide Safety

- Monitor and rank top speeding hotspots
- Analyze effectiveness of countermeasures
- Perform before and after studies with no hardware in the field



ClearGuide Signal Trends

- Analyze signal performance of full network, regardless of controller or connectivity
- Prioritize intersections for signal timing
- Review effectiveness of signal timing progress
- Analyze intersections metrics remotely
 - Average delay per vehicle
 - Average arrivals on green
 - Peak period split failure
 - Turning movement percentages
 - Level of Service



ClearGuide Mobility Platform

✓ **Manage congestion and traffic**

- Through improved, data-backed decision making

✓ **Improve roadway user safety**

- Through identifying high risk areas of speeders and protecting workers in the field

✓ **Deploy resources on most critical issues**

- Through automation of plan reports and real-time alerts