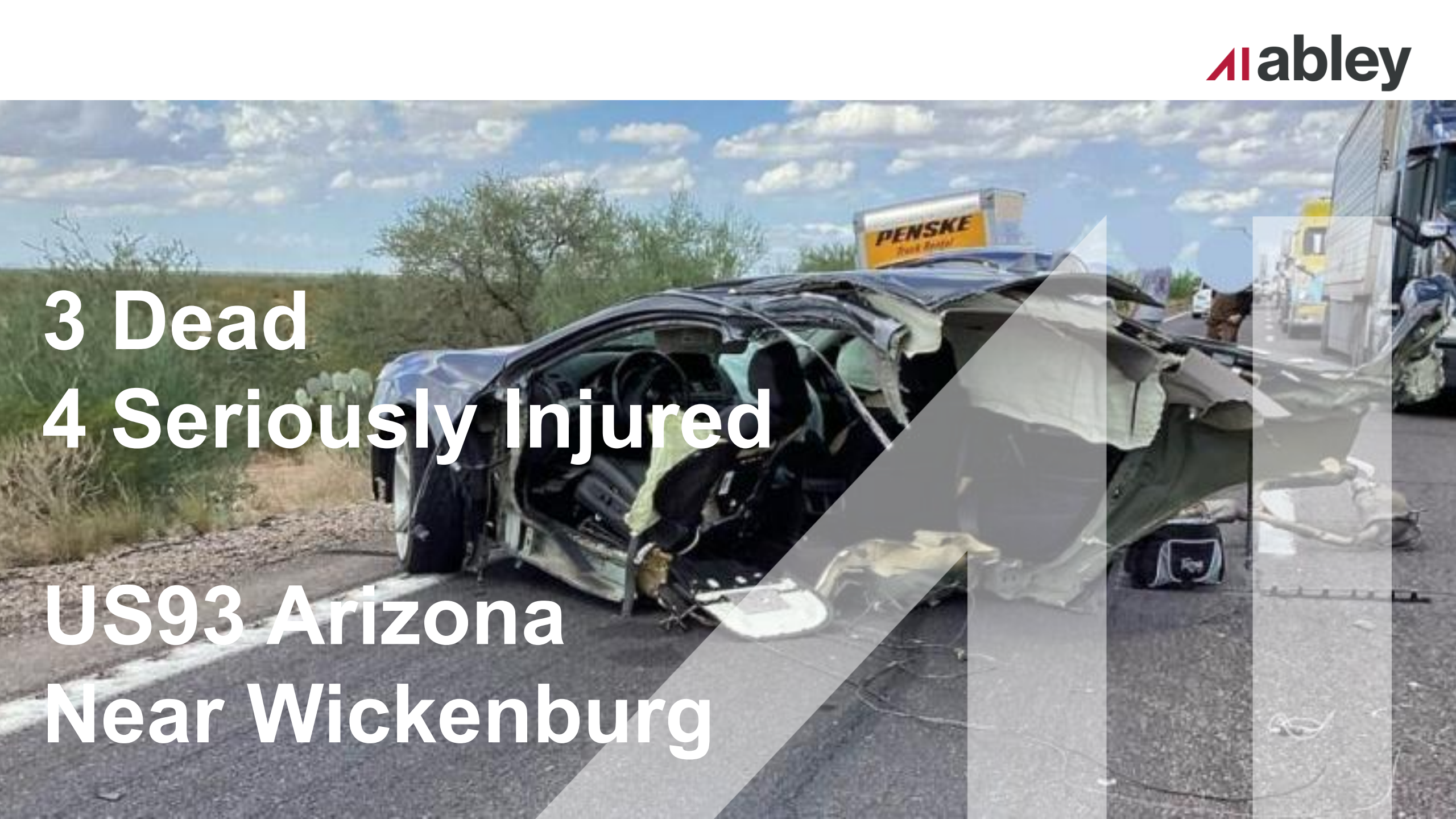


A photograph of a severe multi-car pile-up on a highway. A large semi-truck with a yellow 'PENSKE Truck Rental' sign on its trailer is the central focus, having crashed into several cars. The cars are heavily damaged and crumpled. The scene is on a multi-lane highway with a clear sky and some desert vegetation in the background. A diagonal grey line is drawn across the image, separating the main scene from a closer view of the wreckage on the right.

3 Dead
4 Seriously Injured

US93 Arizona
Near Wickenburg

Christchurch, New Zealand





Overview

- Abley SafeSystem
- SafeCurves
- SafeIntersections
- SafeRoads
- Summary

Overview

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SAFE SYSTEM

APPROACH

Zero is our goal. A Safe System
is how we get there.



“Systemic, proactive and safe system approach aligned”

abley safecurves™

abley safeintersections™

abley saferoads™

Identify

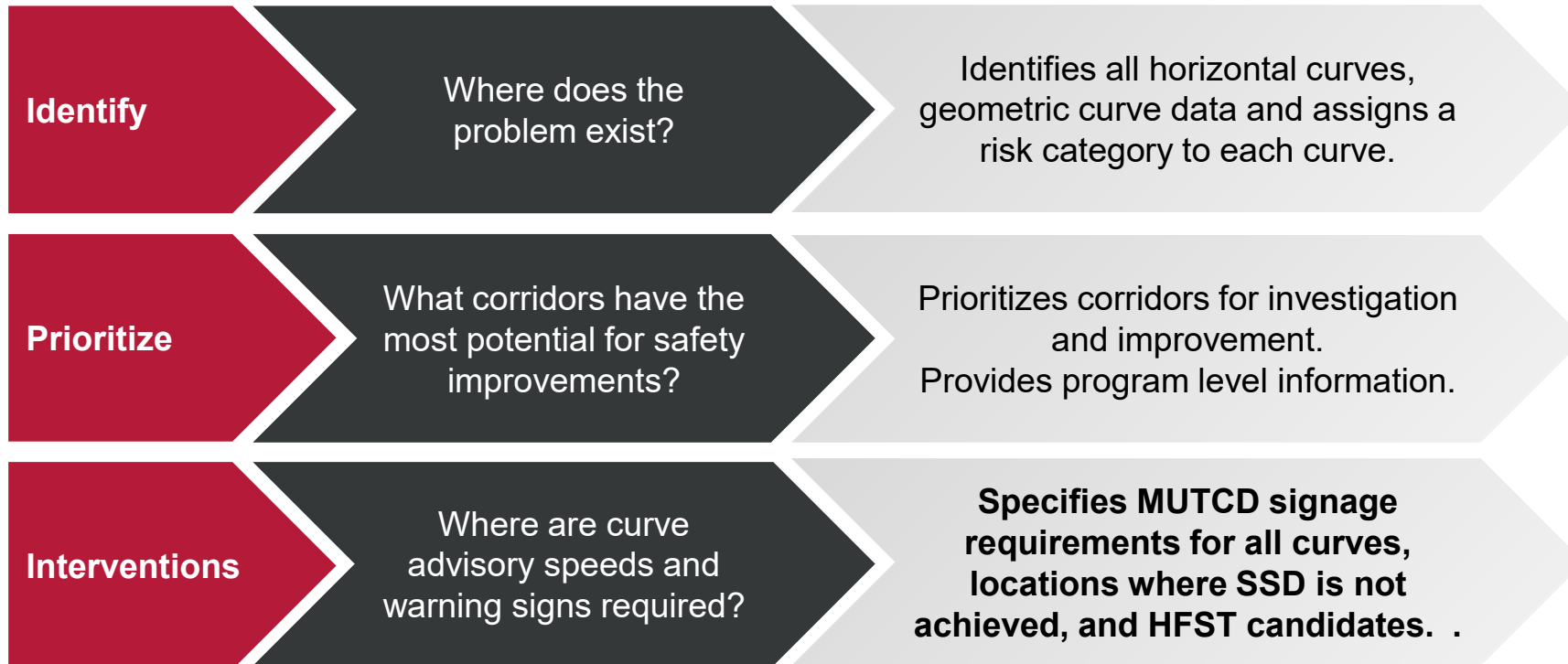
Prioritize

Interventions

Overview

- Abley SafeSystem
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Welcome to Abley SafeCurves

Arizona

IDENTIFY

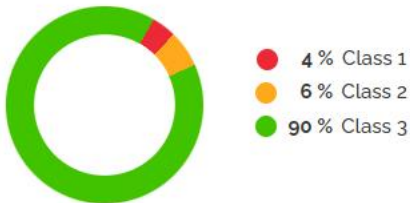
Horizontal curves categorized according to crash risk.

CLASS 1 CURVES

1,220
of 25,558 curves

116 mi.
of 2,870 curve miles

CURVE CLASS BREAKDOWN BY LENGTH



PRIORITIZE

Curve risk aggregated into prioritized corridors.

PRIORITY 1 CORRIDORS

231
of 4,406 corridors

1,050 mi.
of 10,100 corridor miles

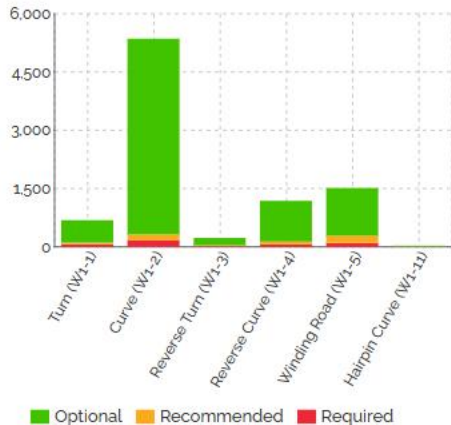
CORRIDOR PRIORITY BREAKDOWN BY LENGTH



INTERVENTIONS

Reduce the likelihood of crashes with appropriate interventions.

HORIZONTAL ALIGNMENT SIGN REQUIREMENTS



[View map](#)

IDENTIFY

PRIORITIZE

INTERVENTIONS

CURVES

- ☒  Class 1
- ☒  Class 2
- ☒  Class 3

Select all Reset ?

FARS CRASHES

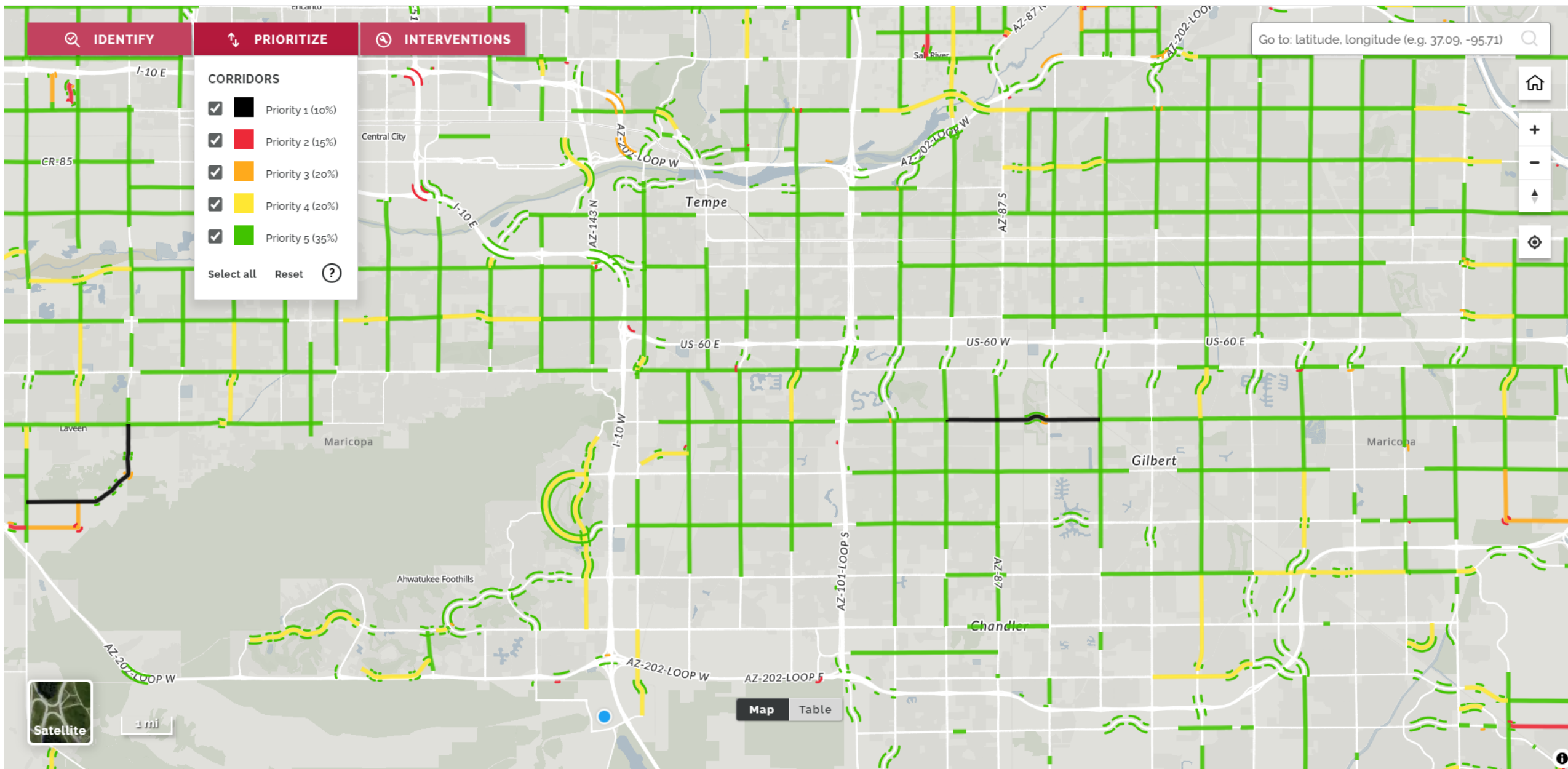
- ☐ Fatal crash
- ☒ 2013-2022

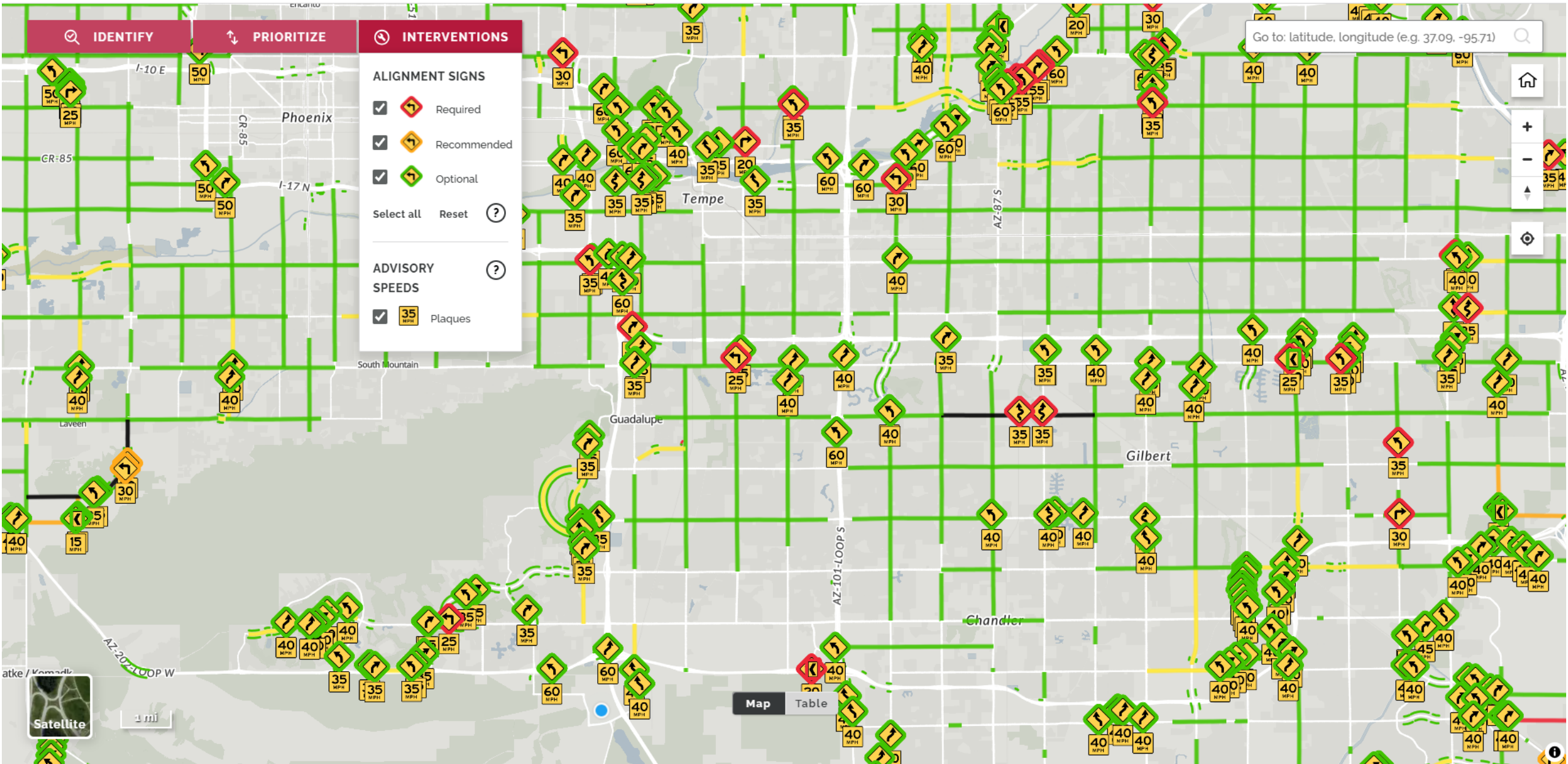
Go to: latitude, longitude (e.g. 37.09, -95.71)



1 mi

Map Table





Overview

- Abley SafeSystem
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🔍 IDENTIFY

↕ PRIORITIZE

🛑 INTERVENTIONS

INTERSECTIONS

- ☒ ● Class 1
- ☒ ● Class 2
- ☒ ● Class 3

Select all Reset (?)

FARS CRASHES (?)

- ☐ Fatal crash 2013-2022

33.1846, -111.8174



Yuma

Yuma



10 mi

Map Table

 IDENTIFY

 PRIORITIZE

 INTERVENTIONS

INTERSECTIONS

☒

Priority 1 (10%)

☒

Priority 2 (15%)

☒

Priority 3 (20%)

☒

Priority 4 (20%)

☒

Priority 5 (35%)

Select all

Reset



33.1846, -111.8174 













10 mi

Map Table

IDENTIFY

PRIORITIZE

INTERVENTIONS

Select an intersection using the Identify tool to propose and test Safeintersections interventions.

Go to: latitude, longitude (e.g. 37.09, -95.71)



CLASS 1



Maricopa County, AZ

Predicted crashes (10yr) 9.8

COUNTERMEASURES

Protected turn lane

METRICS

Est. injury crashes (10 years) 9.8 7.5 (-2.6)



10 mi

Ajo

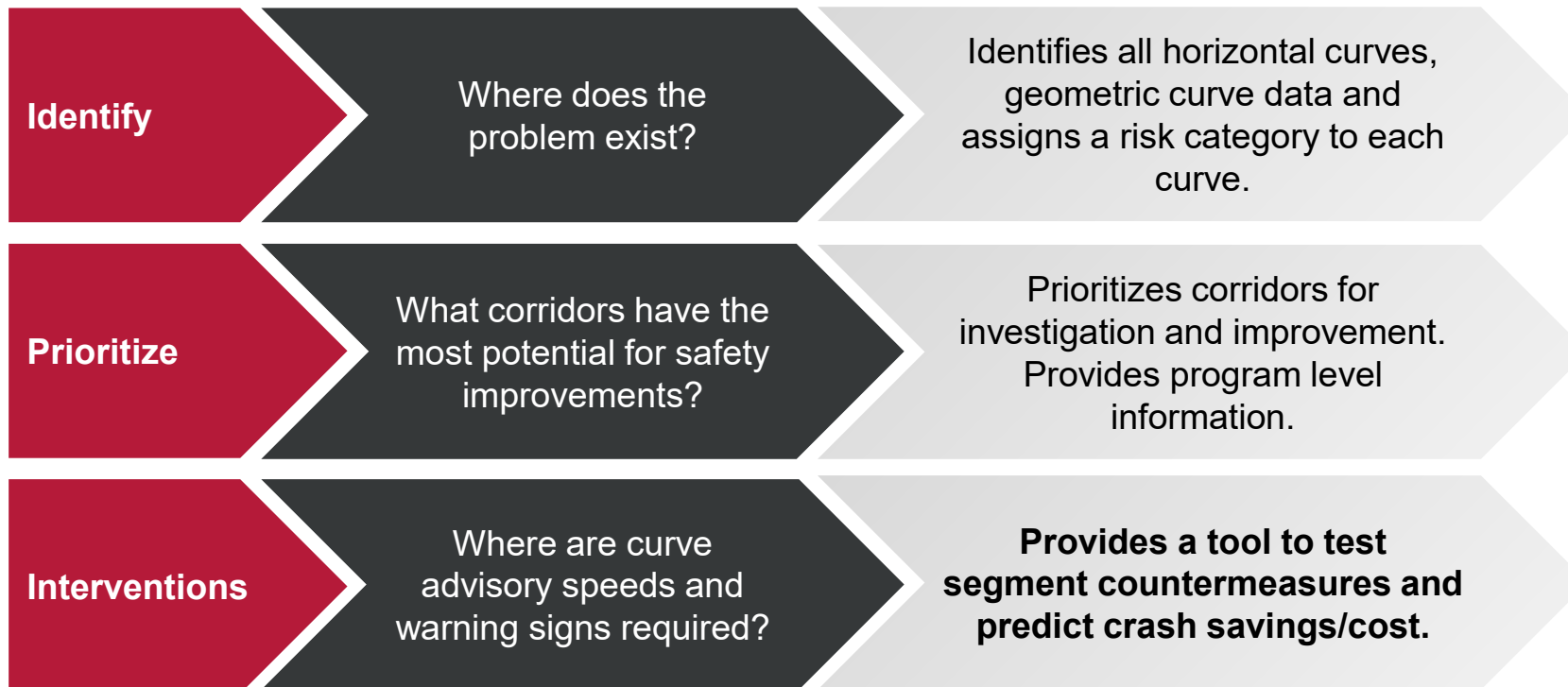
Map

Table

Overview

- Abley SafeSystem
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- **SafeRoads**
- Summary

abley saferoadsTM



IDENTIFY PRIORITIZE INTERVENTIONS

ROADS

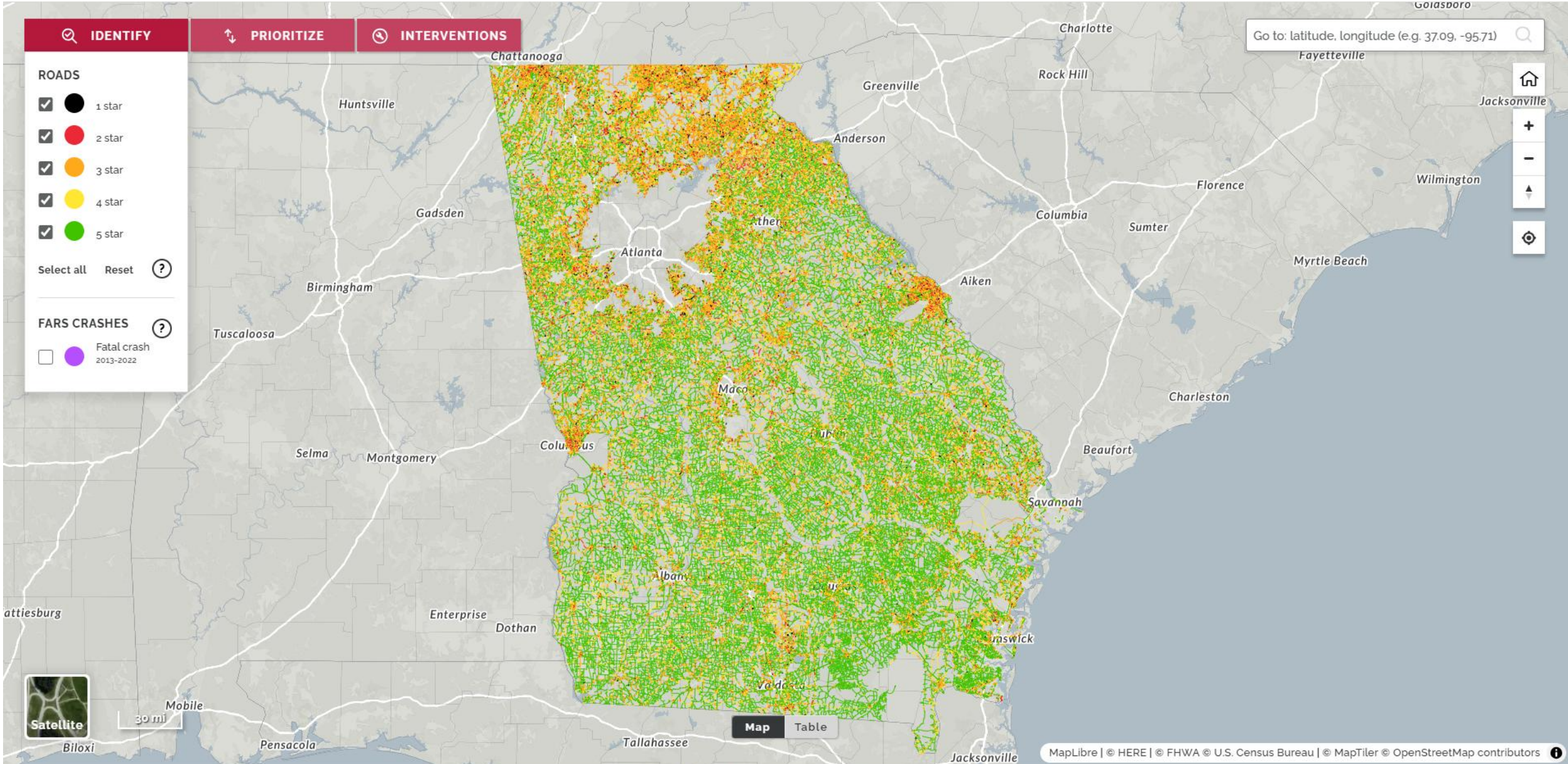
- ☒ 1 star
- ☒ 2 star
- ☒ 3 star
- ☒ 4 star
- ☒ 5 star

Select all Reset ?

FARS CRASHES ?

- ☐ Fatal crash 2013-2022

Go to: latitude, longitude (e.g. 37.09, -95.71)



Map Table

IDENTIFY

PRIORITIZE

INTERVENTIONS

CORRIDORS

- ☒ Priority 1 (10%)
- ☒ Priority 2 (15%)
- ☒ Priority 3 (20%)
- ☒ Priority 4 (30%)
- ☐ Priority 5 (25%)

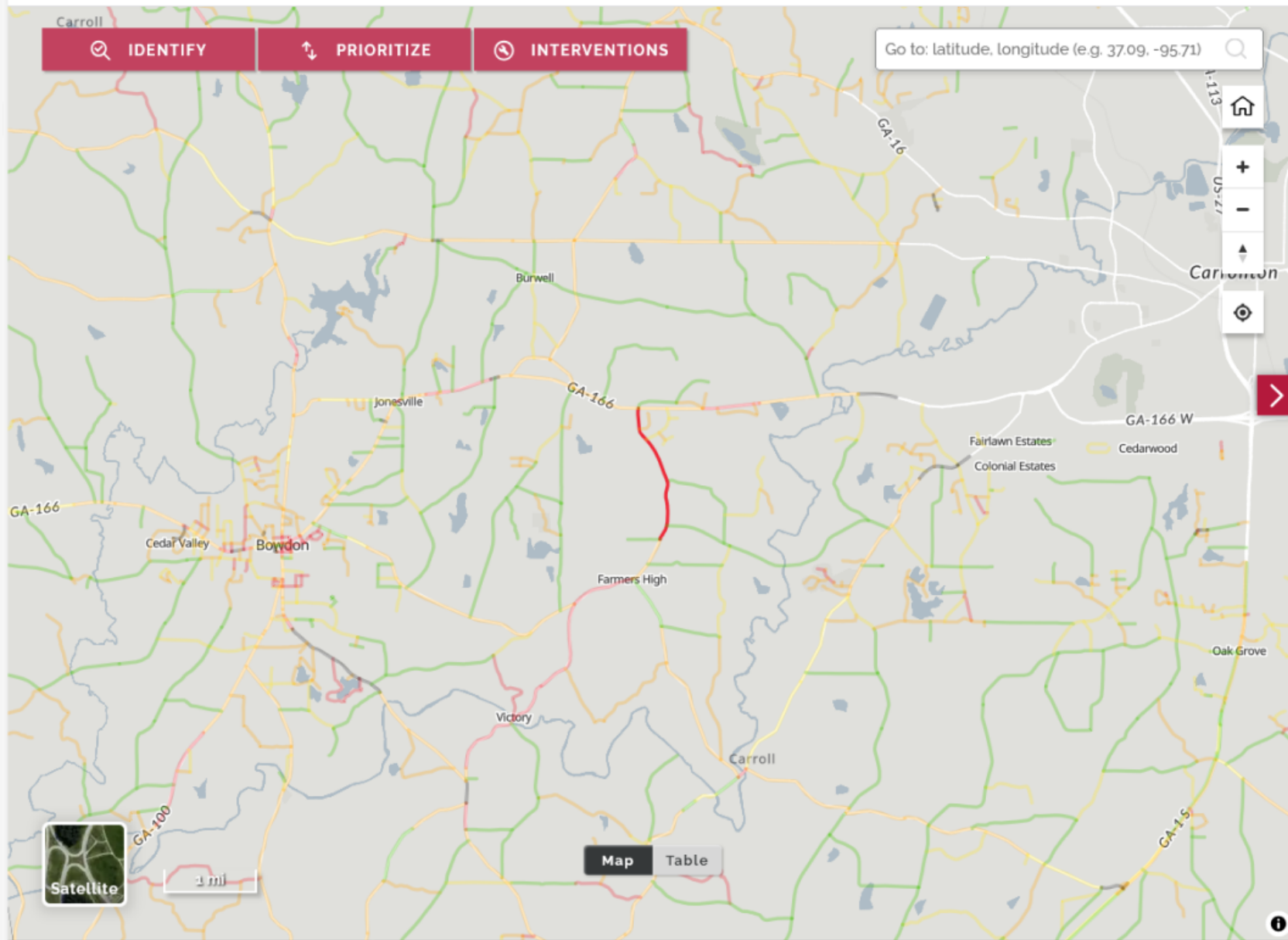
Select all Reset ?

Go to: latitude, longitude (e.g. 37.09, -95.71)

Map navigation controls: Home, Zoom in (+), Zoom out (-), Full screen, and Location pin.



Map Table



2 STAR

Farmers High Rd, Carroll County, GA

[Google Street View](#)

	Existing	Proposed
Shoulder width category	Very Narrow	Very Narrow
Lane width category	Narrow	Narrow
Roadside hazard	High Moderate	High Moderate
Speed limit	45mph	45mph
Road stereotype	Two-lane undivided	Two-lane undivided
Horizontal alignment	Curved	Curved
Access density	10 to <15 per mile	10 to <15 per mile
Intersection density	3 to <5 per mile	3 to <5 per mile
Traffic volume	6,000-<12,000 veh/day	6,000-<12,000 veh/day
Land use	Rural Residential	Rural Residential

INTERVENTIONS

METRICS

Risk rating	2 star	3 star
Est. injury crashes (10 years)	29	22 (-7.0)

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