

# Built to Provide a Better Option

With LiDAR collection already done, a partnership with Mandli's expert data extraction team, and applications built just for safety analysis, Numetric is uniquely positioned to provide a more customizable, affordable offering to safety teams.





# Fast and Affordable MIRE Data Collection and Analysis

With many safety teams unable to get the MIRE data they need for proper safety analysis and planning, Numetric is introducing a new approach to put this data within reach.

## THE PROBLEM: MIRE DATA COLLECTION IS TOO EXPENSIVE AND LOW IN PRIORITY

Traffic safety teams within agencies are under pressure from the FHWA to implement more data-driven safety analysis—this can't happen without MIRE data. Unfortunately, securing that data is often easier said than done, thanks to **three daunting challenges:** 

## 1. Traditional asset data collection is expensive.

- Asset teams commission large-scale—rather than targeted—roadway inventory collection.
- At this scale, data collection takes years.
- Collection usually costs millions of dollars—far beyond most safety budgets.

### 2. Priorities and responsibilities around MIRE data are not established.

- Safety teams have little say in what data is collected.
- Asset teams are still getting accustomed to managing MIRE data relative to other priorities.
- Critical MIRE attributes are often omitted.

## 3. Safety teams lack the tools to combine and analyze crash and MIRE data.

- Tools for combining and analyzing MIRE and crash data are slow.
- · Safety analysis can take days or weeks.
- Many projects move forward without safety analysis.

## But what if safety teams could...

- Collect and pay for data only in areas with crashes?
- Collect only asset data relevant to MIRE?
- Get this data in just 3-6 months, instead of 8-12?
- Pay for this data collection with federal funds?

#### THE SOLUTION: NUMETRIC'S CUSTOM MIRE ELEMENT COLLECTION AND ANALYSIS

Safety teams can get the MIRE data they need, within their federal funding limits, to satisfy FHWA requirements and perform truly data-driven safety analysis. Here's how:

5 CONNECTING **USING IDENTIFYING EXTRACTING PROVIDING PRE-EXISTING MIRE-SPECIFIC A ROBUST** THE OPTIMAL **LIDAR DATA DATA ONLY SAFETY ASSETS AND INTEGRATING MIRE AND ATTRIBUTES TO ANALYTICS** Because the When safety **EXTRACT CRASH DATA PLATFORM** LiDAR collection teams need to Numetric extract only the Numetric data is already Numetric's complete, groups determines with data needed to scientists ensure platform and satisfy FHWA can get the data safety teams that new data purpose-built they need in just the right crash requirements. will combine apps enable a few months. coverage to extraction is seamlessly with faster, easier, satisfy MIRE data faster and more crash and other truly data-driven requirements, affordable. datasets. safety analysis. within a state's federal funding limits.

Spend only \$200k for every \$1M spent on traditional collection.

### TRADITIONAL ASSET DATA COLLECTION VS. CUSTOM MIRE ELEMENT COLLECTION\*

	Traditional Data Collection	Numetric Custom MIRE Element Collection
Project Owner	Asset/Maintenance/Pavement	Safety
Time to Delivery	18-24 months	3-6 months
Cost per Linear Mile	\$100	\$80
% Roadway Miles Covered	100%	20%
% Of K,A Crashes Covered *Figures based on estimates at actual state agencies in the U.S.	100%	100%

rightes bused on estimates at actual state agencies in the o.s.

Get MIRE elements for all K,A crashes in 6 months... at less than 20% of the cost.

## With Custom MIRE Element Collection, safety teams get the MIRE data they need:

- Within their state's federal grant limits
- In a fraction of the time required for other options
- · Connected and integrated with crash data
- Ready for analysis in Numetric's Traffic Safety Analytics Platform and purpose-built apps

To learn if Numetric Custom MIRE Element Collection is right for your safety team, request a custom demo at Numetric.com.