AASHTOWare™ SAFETY
POWERED BY numetric

Building Highway Safety Plans More Efficiently Process Documentation

This document provides an overview of how the New Jersey Division of Highway Traffic Safety uses Numetric to build the state's Highway Safety Plan in more than half the time it previously took before their office adopted the software.

Process Overview

A Highway Safety Plan is essential to every state's safety management approach. Building Highway Safety Plans can be a labor-intensive undertaking. That was true for the New Jersey Division of Highway Traffic Safety (NJDHTS).

Before adopting Numetric, NJDHTS had to export about 2 million crash records using spreadsheets and manually summarize the data to create the state's Highway Safety Plan. This took countless hours of work.

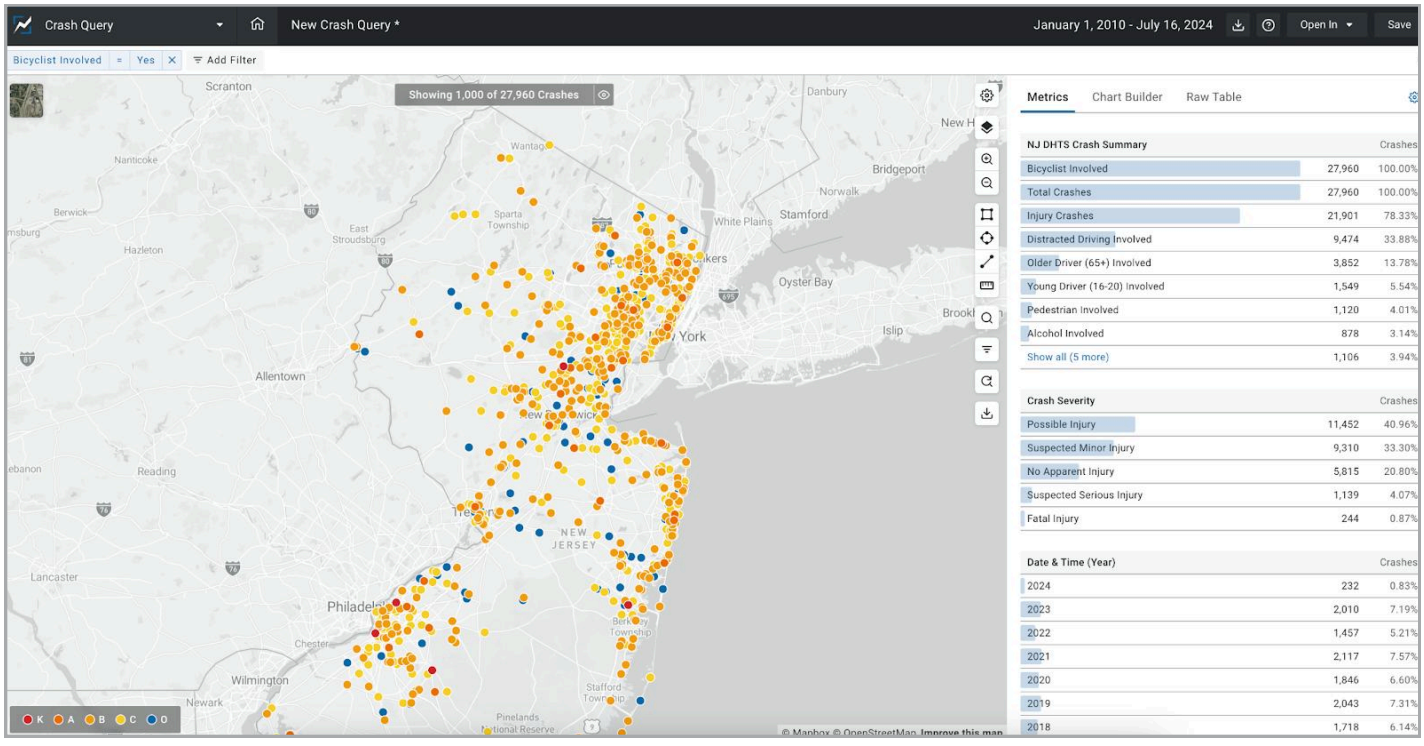
After implementing Numetric, NJDHTS can quickly find the data they need and use it to build its Highway Safety Plan in about 70-80% less time.

(Data charts and heat maps from the NJDHTS Highway Safety Plan.)

Using Numetric to build a state's Highway Safety Plan is efficient and effective. Users can quickly pull the data they need, from annual crash numbers to specific safety emphasis areas such as bicycle, pedestrian, speeding, or work-zone crashes. Users can also build reports and charts natively within the application.

> *DHTS is responsible for establishing goals to reduce motor vehicle crashes using performance measures based on assessments of the roadway environment. The New Jersey Triennial Highway Safety Plan (HSP) is required by federal law to serve as a framework for setting performance goals and measures for reducing traffic crashes, fatalities, and injuries, and creating a safer and more efficient transportation system.*
>
> - *State of New Jersey Highway Safety Plan (Federal Fiscal Years 2024-2026)*

Since the data is stored in one place, it's much easier to find the information needed to build the safety plan. Users can simply use filters to query the crash data, which populates the desired results in seconds. The application does all the heavy lifting and takes the burden off users to manually find the necessary data. Not only does this save time, but it also eliminates the headaches that often accompany manual data searches across numerous spreadsheets.



(A Crash Query displaying bicyclist-involved crashes.)

More information on this topic can be found below:

- https://www.nhtsa.gov/sites/nhtsa.gov/files/2023-10/NJ_FY24HSP-tag.pdf
- https://www.nhtsa.gov/highway-safety-grants-program/highway-safety-plans-annual-reports-grant-applications

Program Focus Areas

Highway Safety Plan

Federal Grants

Related Safety Processes

Safe Routes to Schools

Implementing Highway Safety Manual Workflow

To view all Safety Process Documentation, go to numetric.com/safetyprocesses

AASHTOWare Safety Applications

Public Dashboards

Available with AASHTOWare Safety Trend Analytics

More Information

For more information regarding this process, please email success@numetric.com

Required Data

In order to implement this process in your organization, the following data is required:

- Crash Data

Implementation Effort

Implementing this safety process requires **minimal** effort to develop and implement.

Assuming an agency has an existing, configured AASHTOWare Safety instance and all required data, implementation should require between **2-3 weeks**.