Safety Voyager is an online portal for statewide analysis of roadway safety related data including crashes, AADT data and ball bank data.
Safety Voyager

Project Initiation
April 2016

Version 1
December 2016

Update 1
August 2017

Update 2
November 2017

- 90% data geocoded
- Export to CSV

- October 2017 Data Set Published
- 93% data has been geocoded
- Match SLD Network to correspond with Crash Records based on the year (2011-2016)
- Increased records export up to 50,000

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Safety Voyager
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Filters by:
- County
- Route Number
- Municipalities
- Case numbers
- Landmarks

Toggle 2D/3D view

Street View

Crash Records Layer

Ball Banking Layer

AADT Layer

Data Filters:
- Crash Location Details
- Crash Dates Range
- Crash Magnitude
- Crash Types
- Road Condition
- Physical Condition
- Driver Physical Status
- Median Type
- Pedestrian / Cyclist
- Traffic Control
- Advanced Filters

Data Grid
2D Visualization

Safety Voyager
3D VISUALIZATION - VIDEO
<table>
<thead>
<tr>
<th>Method</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Establish point using SRI and Milepost (Linear Reference)</td>
<td>55%</td>
</tr>
<tr>
<td>Geocode Using ArcMap with location, cross street and town</td>
<td>23%</td>
</tr>
<tr>
<td>Geocode Using ArcMap with location, cross street</td>
<td>5%</td>
</tr>
<tr>
<td>Geolocation using Google Geocode API with location, cross street and town</td>
<td>2%</td>
</tr>
</tbody>
</table>
Safety Trends – By Jurisdiction

State
County
Muni
NJTPA
SJTPO
DVRPC

Filters
• Year Range
• Collision Type
• Time of Day

Distracted Driving
Teen Driver Analysis
Others?

Crashes By Manner Of Collision

Percent of all crashes and fatal crashes for each manner of collision.
Thank you for your attention

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