





# WHAT IS SAFETY VOYAGER?

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

#### THE ROAD SO FAR...

Project Initiation
April 2016

Version 1
December 2016

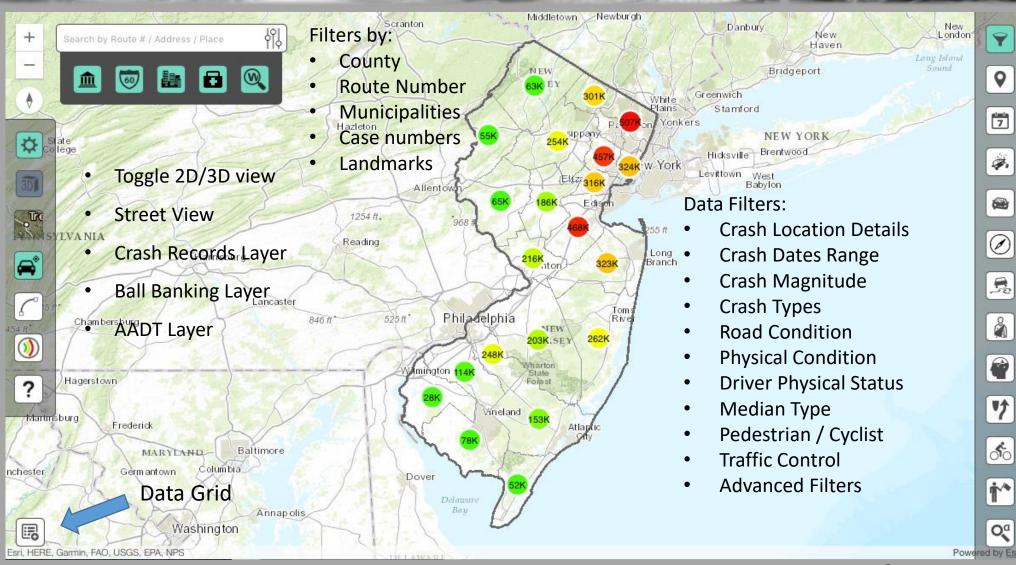
Update 1
August 2017

Update 2 November 2017

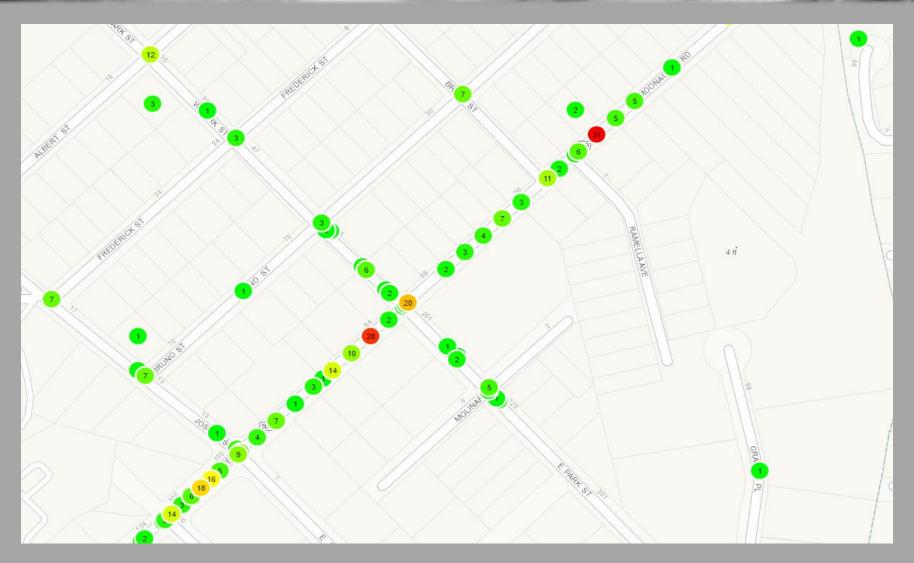
- 90% data geocoded
- Export to CSV

- 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

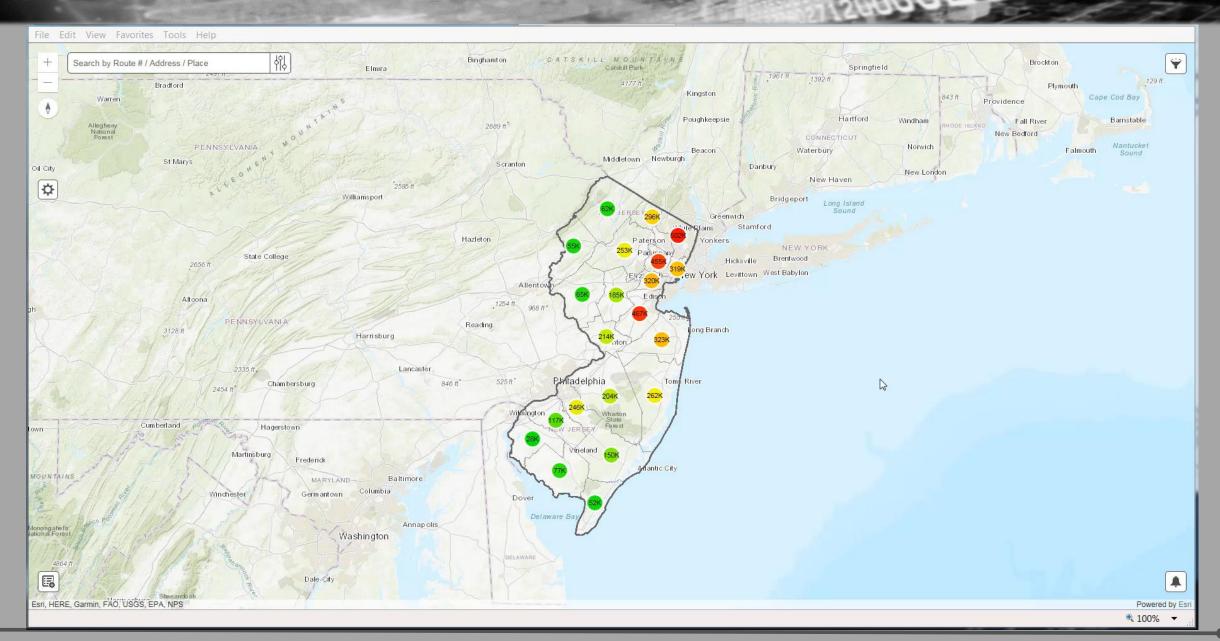
#### USER INTERFACE



# 2D VISUALIZATION



# 2D VISUALIZATION VIDEO

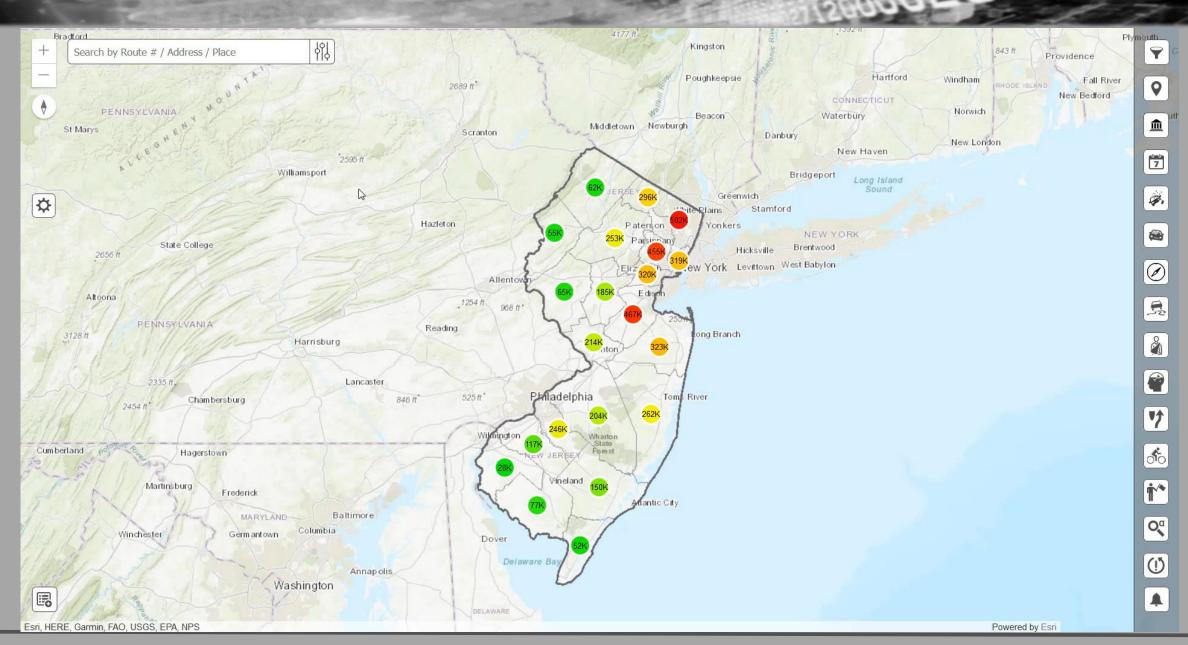


# 3D VISUALIZATION



Safety Voyager

# 3D VISUALIZATION-VIDEO



### GEOCODING ISSUES

SRI: 00000049\_\_\_ + MP 1.500

16 S FRANCES AVE

COUNTY ROAD 90 @ OVER LOOK DR PRIVATE PROPERTY
? PARKING LOT @
BAYSHORE RD

STRAWBERRY
VILLAGE OFFICE
BUILDING

TRYTON

MOTEL/511

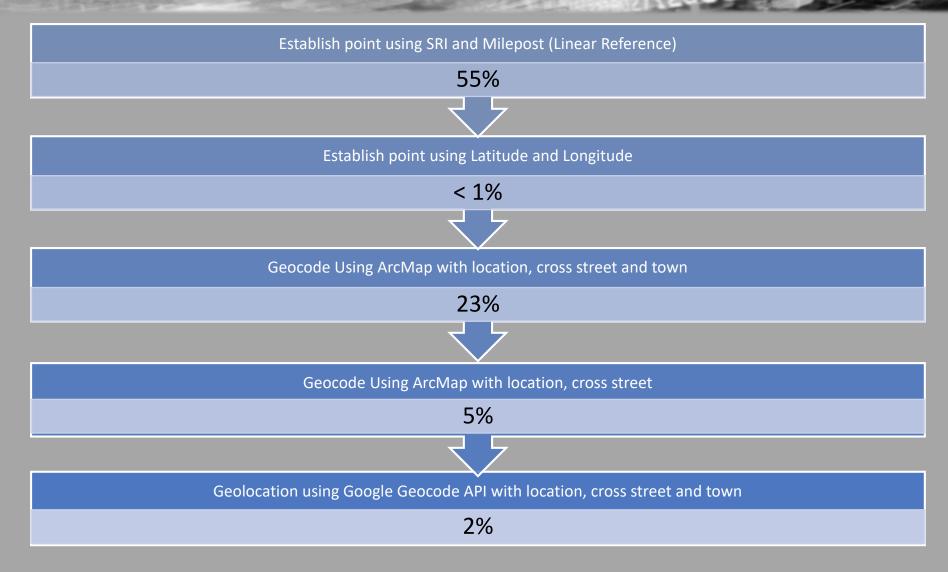
E.13TH. AVE. NE.

WILDWOOD NJ. BRI

CROSS KEYS RD (PARKIGN LOT)

A TREE AND A BRICK WALL

#### DATA STORY



#### THE ROAD AHEAD...

County V

#### Safety – Calendar

Muni

Drowsy & Distracted

Aggressive Driving

Ped/Bike

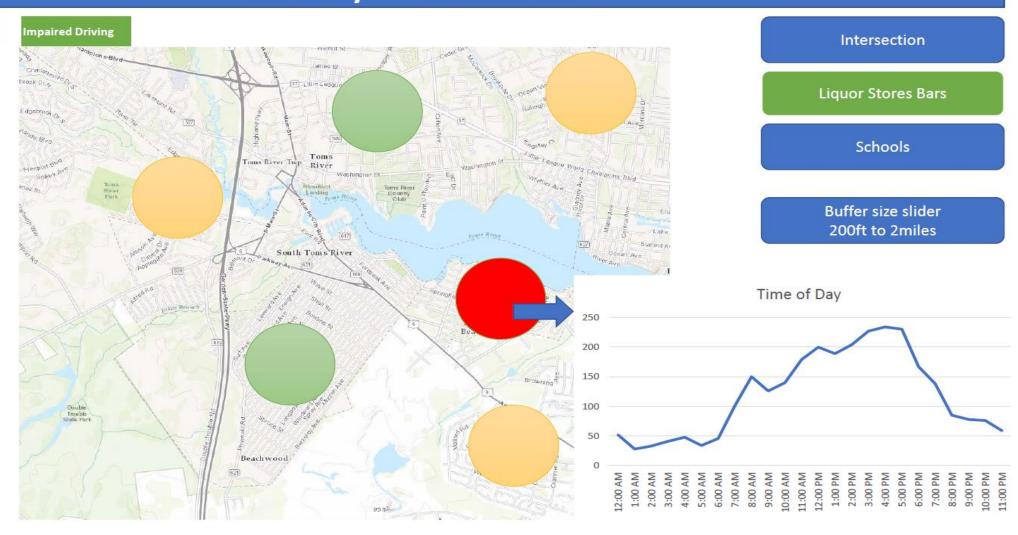
Impaired Driving

Older Drivers

Unbelted

Young Drivers

Work Zone



#### THE ROAD AHEAD...

#### Safety Trends – By Jurisdiction

State

County \

Muni

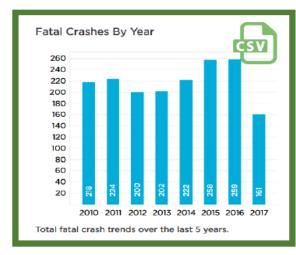
**NJTPA** 

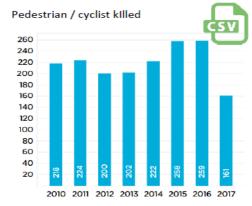
**SJTPO** 

**DVRPC** 

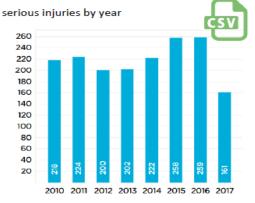
#### **Filters**

- Year Range
- Collision Type
- Time of Day









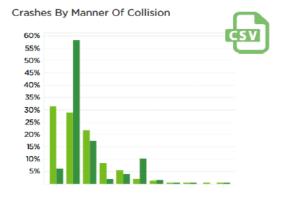
Total fatal crash trends over the last 5 years.



Total fatal crash trends over the last 5 years.



Distracted Driving Teen Driver Analysis Others?



Percent of all crashes and fatal crashes for each manner of collision.

#### QUESTIONS

# Thank you for your attention

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