North Carolina’s Vision Zero Map: Enabling Access to Traffic Crash Patterns

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1,375 fatalities
4,500 serious injuries

North Carolina 2017
NC Vision Zero is a collaborative initiative to eliminate roadway deaths and injuries in North Carolina.
No loss of life on our roads is acceptable.

All road users deserve safe streets.

Injury or death is not an inevitable price to pay for mobility.
Purpose of NC Vision Zero

Bridge for collaboration

Clearinghouse for data, research, resources
How this is making a difference?
How this is making a difference?

- Changing culture through information
- Engaging all safety partners
- Data democracy
Under the hood

- The Implementation: This proposal has been developed into the Vision Zero Map application, which launched at the end of November 2017 with ArcGIS API for JavaScript developed by Argis Solutions.
  - ITRE processes and locates data from monthly feed from NCDOT and locates 70-80% crashes automatically with route event tool. (Current project to manually locate remaining crashes for near 100% location of fatal and severe injury crashes in NC)
  - Argis developed tool using these datasources for web application using ArcGIS for JavaScript
    - Any other relevant info
- UI Development: Responsive Design for Web and Mobile
- Development methodology / framework used, etc.
Takeaways / Q&A

a. Multiple sources of data build a more complete picture when they are aggregated together in a sensible manner.
b. GIS is more than up to the task of managing this size project and has room to expand as we go into the future.
c. Having additional ArcGIS expertise on hand helped make this project possible.

Questions and Answers