

Internship Experience at Mead & Hunt

Giuliana Pangan

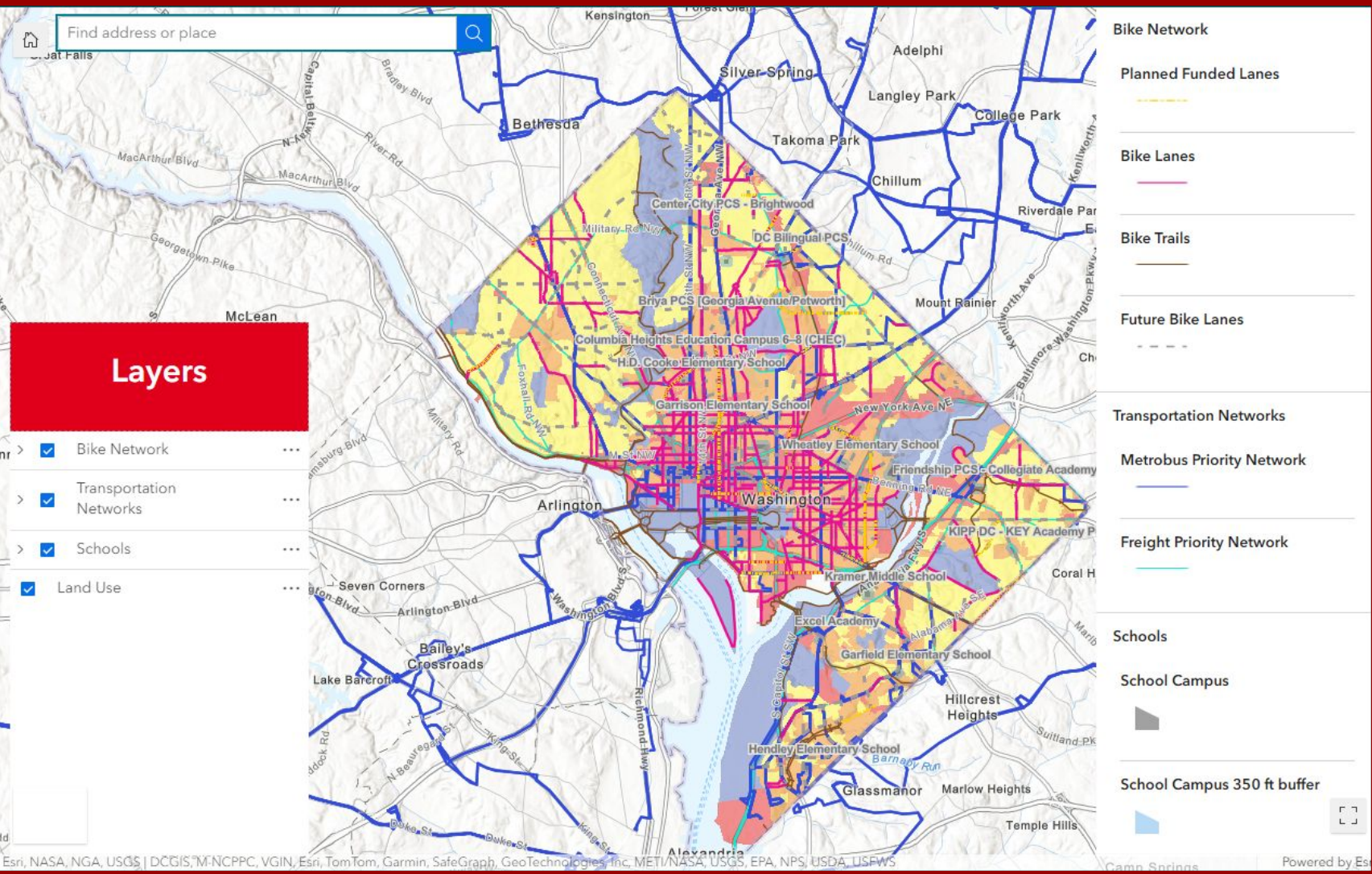
College Park Scholars – Science & Global Change Program
Civil & Environmental Engineering
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CPSG359G
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Introduction

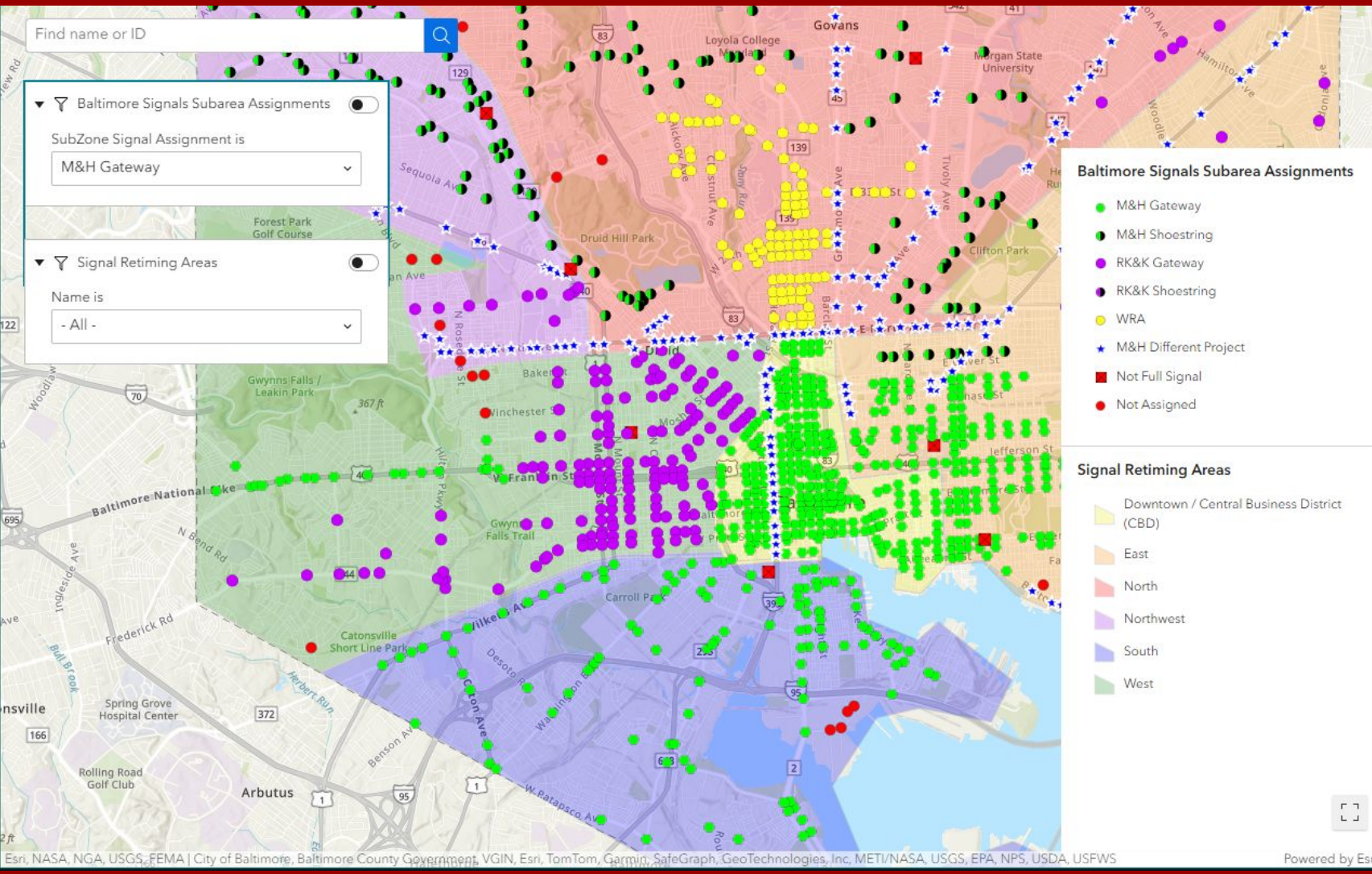
From June 2024 - August 2024, I was given the opportunity to be a traffic/GIS intern at Mead & Hunt. While there, I was able to experience their intern program and also experience the lesser known GIS side of civil engineering. My work mainly focused on Baltimore City, but I was also able to work on other maps/projects across the DMV and some other states.

Activities

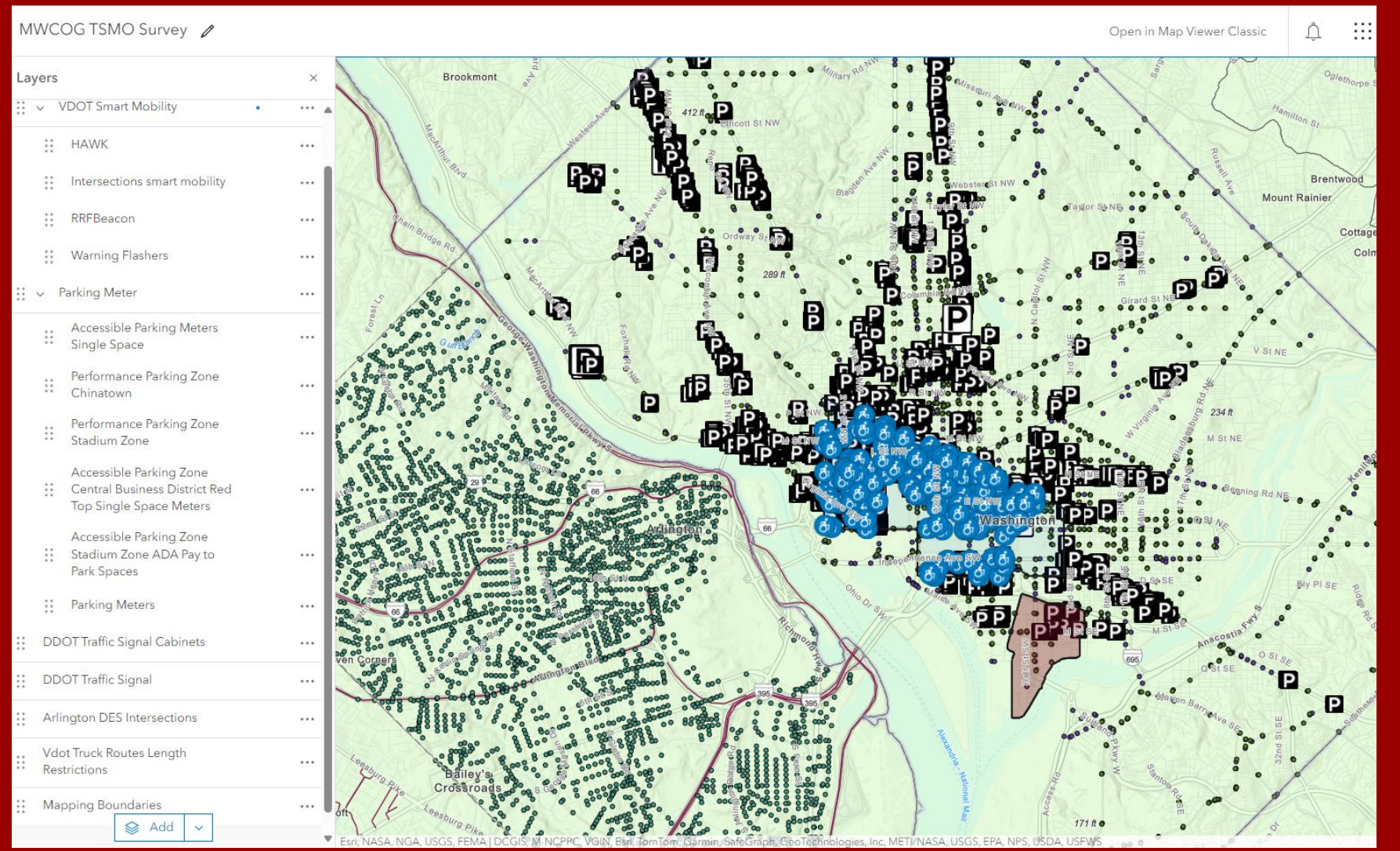
My activities mainly surrounded transportation work around the DMV, but also had me making maps for other states. I would utilize ArcGIS online and ArcGIS pro tools to create Webmaps. These Webmaps were often for user friendly Experience Builder applications that I would also create. I would also source data from open data platforms to get data for these maps. and would make the layers usable for viewers. I also helped conduct field work for signal timing in Baltimore with traffic cabinets and time/gps adjustments.



MMMOE Experience Builder



Baltimore Signal Timing Web Experience



MWCOG TSMO

Site Information

Name of Site: Mead & Hunt - Columbia
Address: 7055 Samuel Morse Drive, Suite 100
Columbia, MD 21046
Your supervisor: Matt O'Connell

Mead & Hunt's purpose is to shape the future by putting people first. It is a company empowered to take care of people, do the right thing, and do what makes sense.
At Mead & Hunt - Columbia, the group I worked with mainly focused on improving the transportation systems within DMV area through engineering and technical solutions.

Future Work

For the following summer, I will be shifting to a water resource engineer intern at HNTB. I will still be working within the transportation sector, but I will be shifting my focus away from traffic and more into the environment.

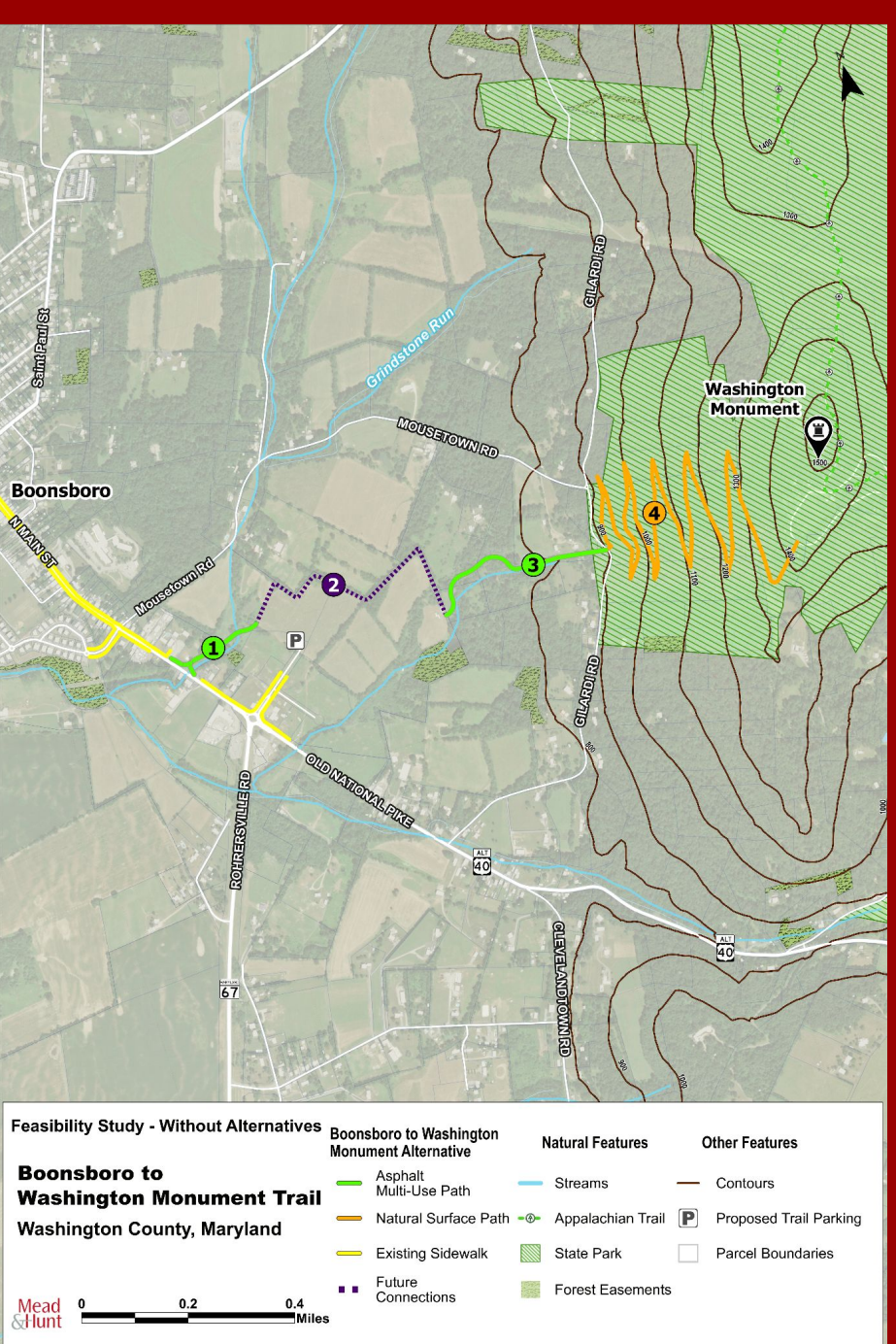


Acknowledgments:

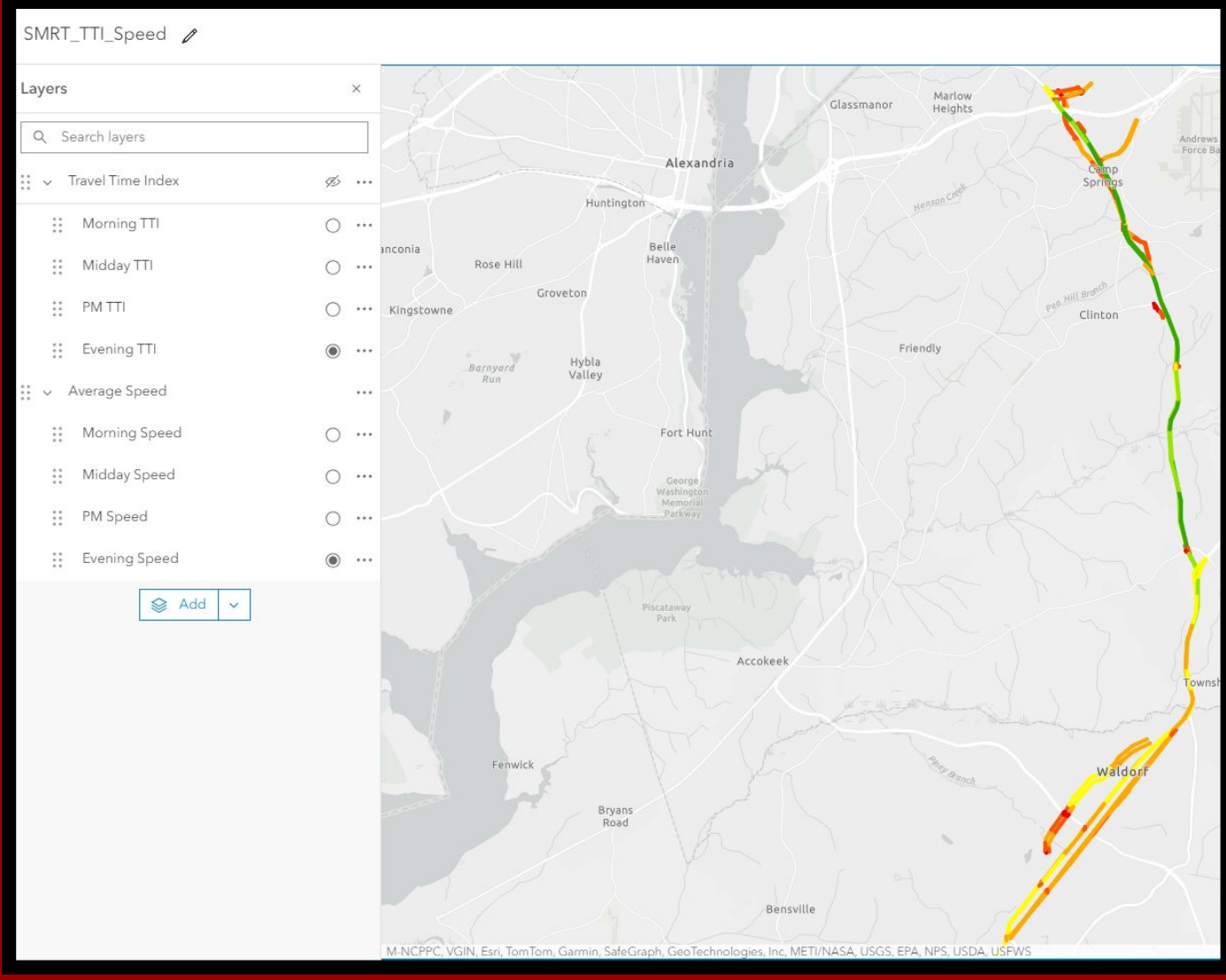
I would like to thank Matt O'Connell, Hunter Withers, and David Donaldson (my supervisor and the intern mentors) for mentoring me last summer! I'd also like to thank my teachers Dr. Merck and Dr. Holtz for leading me through the SGC Scholars program for the last two years!



Me during field work!!!



Boonsboro Trail Map Deliverable



Speed Map



Impact

The company had a lot of impact on transportation within the DMV and around the country. One of the main impacts they had while I worked there was through their project for the Baltimore traffic signals. They were working to optimize every single in Baltimore City in order to lessen traffic and promote safety for pedestrians.