

2015

Adaptive Response Modeling Using GIS, Blog 6

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Planning during UCI

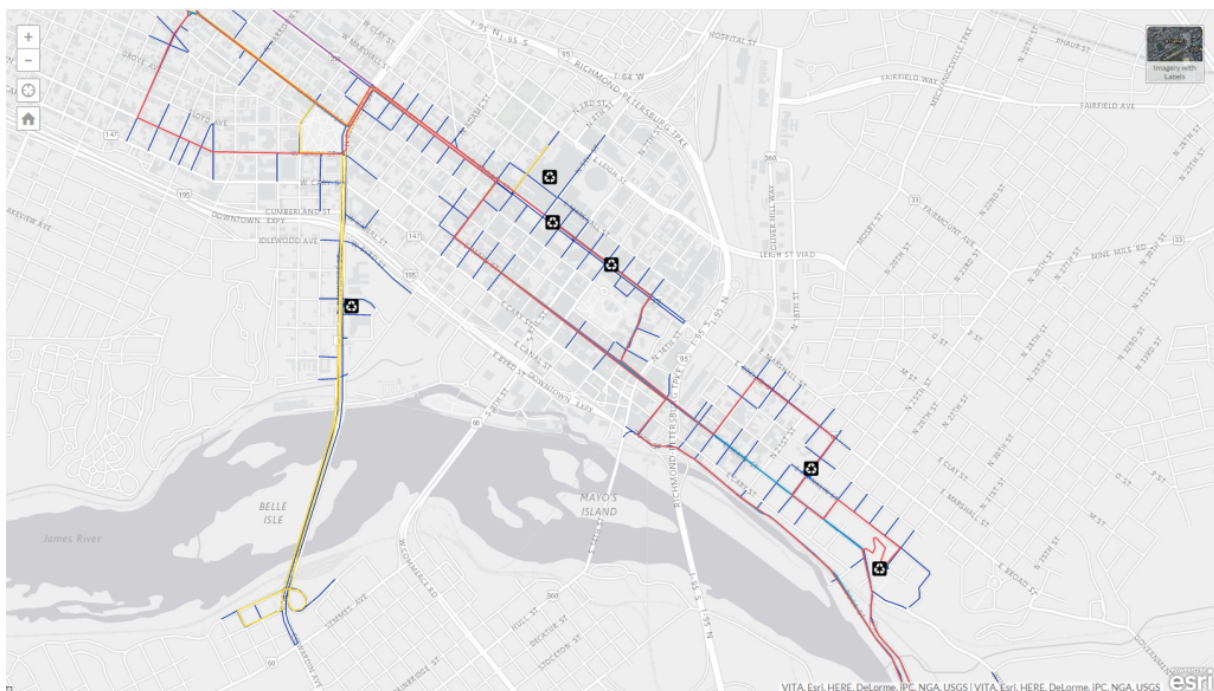
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October 8, 2015



During the 2015 UCI Bike Race in Richmond, VA, I planned to analyze locations of the eco-stations available to the public. In response to live tweets pulled offline with the hashtag #UCI, crowds were located on September 25 to decide where to keep or move the eco-stations.

Not everyone posts on twitter, especially using a specific hashtag. That posed a problem when trying to figure out where the actual crowds were located, though we could assume that the information we gathered that day at least somewhat accurately gave us an estimate.



The above map (live view [here](#)) is the one used to decide how to go about transferring the eco-stations from one location to another. One of the most vital layers contains the visual component of the road closures. Much time would be wasted if we tried to move a station without figuring out a proper transportation route first; we couldn't assume that only the roads with the bike routes were the only ones closed.

Pulling in tweets during the race was a simple process. Visually seeing where people were on twitter made it easy to come up with where eco-stations should be placed to make it easy for proper recycling and garbage disposal.

Though the map is accurate with proper navigable roads, it was hard to get a good visual of the size of the crowd and where exactly spectators would be located. Consideration of comfort for viewers was an aspect of this project as well; surely you wouldn't want your view to be blocked by people moving eco-stations.

In the time that we had class, we never went out and physically moved the eco-stations, as the building of the map took longer than anticipated. Nonetheless, developing this map was a fun process, as I got to see just how many roads of Richmond were affected by the bike race. If UCI ever returns to RVA, then I would take this opportunity again. Being an active part of something so big is an honor, no matter how small.

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