Introduction

For my practicum project I completed CPSP 349T, Infrastructure and Society. This course involved learning about how infrastructure should be designed based on the diversity of humans in an area, not on what works best for the majority. My teammate and I created a more efficient and diverse intersection design at Knox Road and Baltimore Avenue.

Activities:

- Created a stakeholder analysis
- Interviewed stakeholders
- Created a list of all the necessary amenities for the diverse group of individuals living in the area.
- Promoted need of change using social media
- Developed a new and improved intersection plan

Impact on Society:

- Walkability and biking score of area improves
- Lowers accident rates for cars, pedestrians, and bikes
- More diverse infrastructure for all areas of live
- Increases the safety and mobility of students on nearby campus during evening hours

Future Work:

After taking this class, there is so much more to infrastructure than just the buildings and the roads. Designing infrastructure, you must include the diversity of an area and appreciate the land in its natural state. When continuing in my civil engineering degree, I will use these ideas to ensure my buildings are surrounded by a diversity of amenities for all walks of live and use biomimicry for sustainability.

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