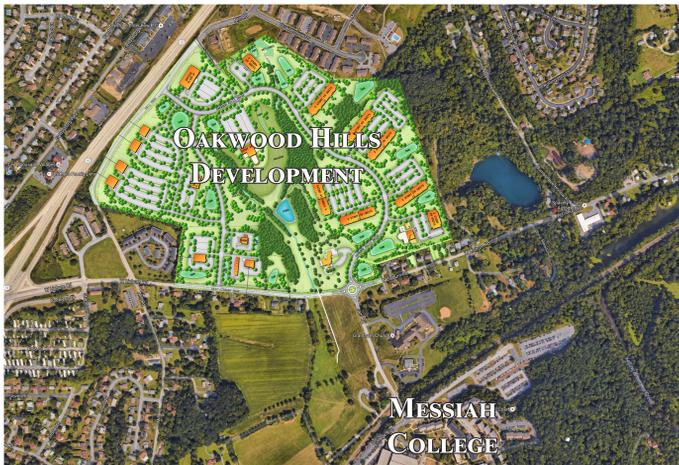


OAKWOOD HILLS PEDESTRIAN ACCESS

TREAVOR MOORE AND JUSTIN WITTERS

THE PROBLEM

Currently about 50% of students make the trip over to the President's Residence at Orchard Hill during the school year. Yet, there is no safe way for students to walk between Orchard Hill and the campus. With the Oakwood Hills development starting construction and solidifying commercial planning, the future pedestrian traffic between Messiah College and the development is expected to keep growing. Because of this expected growth, there is growing concern for pedestrian safety. With both Rider Musser Developers and Messiah College realizing this, a safe way to travel between the two communities has become of high importance. Our team was created to serve both the college and Rider Musser by coming up with, analyzing, and designing safe pedestrian access between Messiah College and Oakwood Hills.



GRANTHAM ROAD SIDEWALK PROPOSAL

- Surveying of land along the road
- AutoCAD design of possible paths and compared options
- Selection of optimal path and continued design and cost estimation
- Presentation of best option to Messiah College and Derck & Edson
- Use of the College's Legacy Project as a guiding vision



OAKWOOD HILLS PATHS

- Work with Rider Musser to develop additional trails and paths
- Determine potential path and crossing options
- Work to connect the two halves of the development



FUTURE WORK

- Design of trails and bridges in Oakwood Hills
- Finalization of Grantham Road design for Derck & Edson, Civil Engineers for Messiah College

PROJECT GOAL

Our goal is to develop a safe pedestrian access path to connect the Messiah College community with the Oakwood Hills development. While safety is our utmost concern, we want to design a path that also considers convenience for pedestrians and aesthetics, serving our client's vision for Grantham Road and the trails in Oakwood Hills.

SURVEYING

- Created a quick guide for Collaboratory teams using the survey stations
- Conducted Surveys of Grantham Road and Oakwood Hills along the stream



ACKNOWLEDGEMENTS/PARTNERS



TEAM MEMBERS

Caleb Stevens
Kevin Breisch
Alex Issis
Justin Witters
Trevor Moore
Nate Myers
Brandon Weindorf

Team Advisor- Bryan Hoover, P.E.

CLIENTS

