



# OAKWOOD HILLS PEDESTRIAN ACCESS

## Caleb Stevens, Alex Issis

### The Problem

The proposed development would include some restaurants and other businesses that the Messiah College community could access. There are no dedicated pedestrian access points that allow the Messiah College community to cross West Lisburn Road safely. The problem exists even prior to a new development as increasing numbers of students cross Lisburn Road for events at Orchard Hill – home to Messiah College’s presidential family. Concerns around pedestrian safety are exacerbated with the growing likelihood of new development and increased pedestrian traffic. Further refinement of the problem statement, including developing parameters for a successful deliverable, is ongoing through the start-up phase of this project.

### West Lisburn Road Crossings

- The final three West Lisburn pedestrian crossings include a pedestrian crosswalk, pedestrian bridge, or pedestrian tunnel
- Presented a decision matrix on how the team graded these crossings
- Included team’s initial design of pedestrian bridge and tunnel

Pedestrian Crosswalk      Pedestrian Bridge      Pedestrian Tunnel



### Surveying

- Gained further knowledge in surveying lessons
- Surveying of Grantham Road



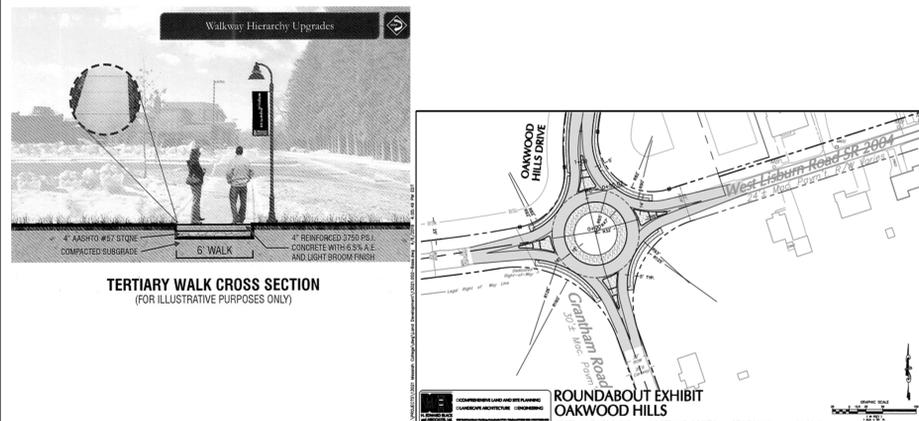
### Future Work

- Obtain documentation for 100-year storm water plan
- Complete preliminary design of a sidewalk profile for Grantham Road
- Finalize cost analysis to assist Kathie Shafer



### Grantham Road Proposal

- Preliminary design and cost estimation of Grantham Road sidewalks
- Receive background information on campus standards and utilities
- Work with H. Edward Black on the future Right-of-Way’s with the new roundabout



### Project Goal

Develop a pedestrian access solution, for the Messiah College community to have a safe connection between the Oakwood Hills development and the Messiah College campus. The solution must ensure safety, while balancing cost and user convenience. Work must be done on both Grantham road and West Lisburn road to provide a safe crossing for pedestrians.

### Acknowledgements/Partners

#### Team Members



Ben Holderman  
Kevin Breisch  
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#### Clients

