

CIVL 4162/6162

Traffic Engineering

Class Project Description

Objective: Consider four corridors (Highland, Central, Zach Curlin, and Walker) in the university district area that has a deficiency in traffic engineering and operations. Design and propose alternatives for improvements considering the topics covered in class lectures.

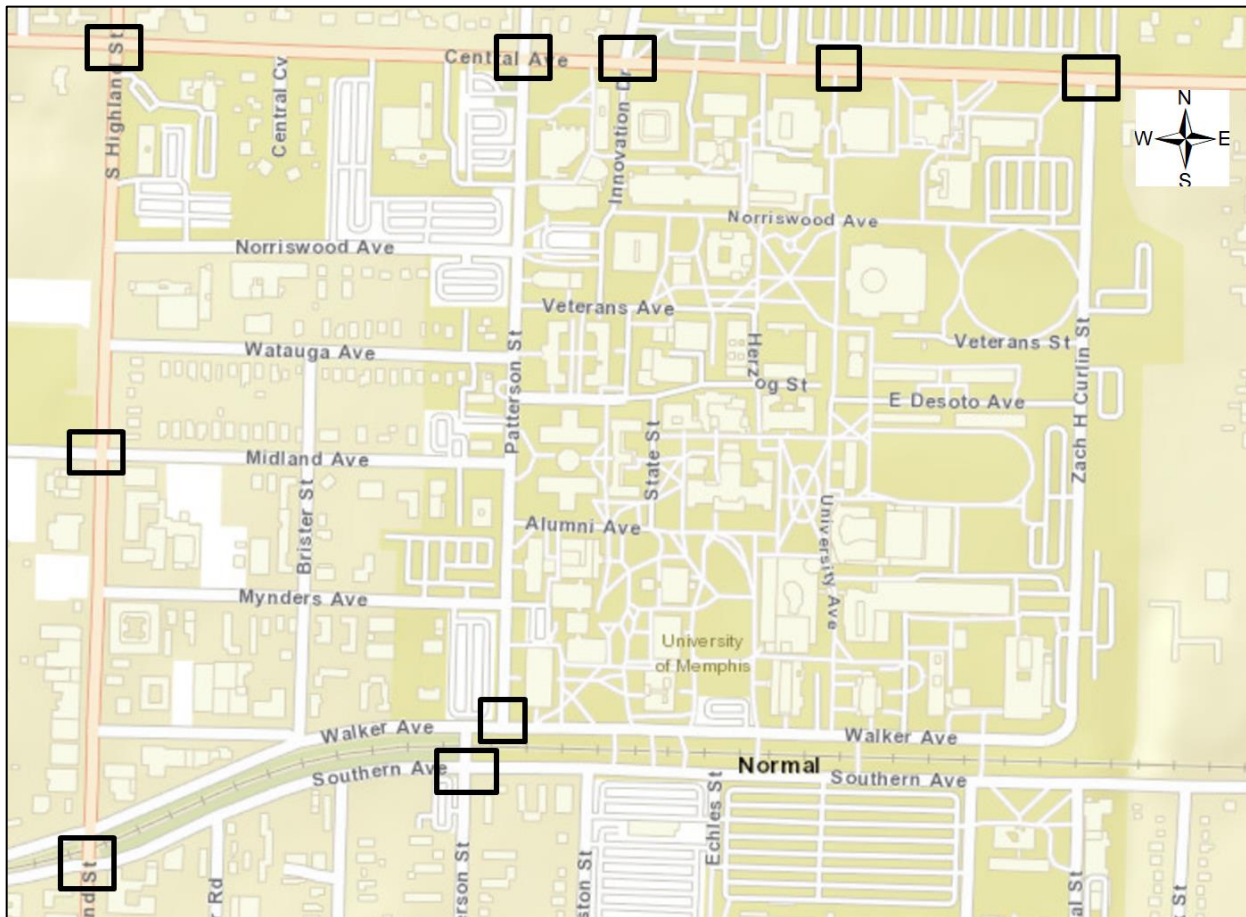


Figure 1 Major intersections near the University of Memphis (main campus)

Student Groups: All the students are required to form three different groups to complete the project:

Group 1	Group 2	Group 3
Holland, Parker	Penn, Logan	Milligan, Jacob
Kirby, Colton	Isbell, Adrianna C.	Redick, Willie
Takhtfiroozeh, Hana	Barry, Elizabeth	Frizell, Michael
Riley, Joel	Liatsos, Vasileios	Salehi Esfandarani, Mitra
Fite, Lillian	Aquadro, Blake	Gaines, Demondra
		Hernandez, Ricardo

Data Collection:

We have the 15-minute traffic volume data available for all the intersection highlighted in Figure 1 for the morning (peak) and mid-day (off-peak) periods (available on the course website).

You may need to collect additional data depending on the objective and analysis of your project.

If additional data is required, then please issue safety vests and the needed equipment (Radar Gun), and dress according to weather conditions. Please send an email to Ishant Sharma (isharma@memphis.edu), Teaching Assistant, for issuing safety vests and equipment.

Project report and presentation:

The project performance will be evaluated based on a group presentation, followed by a project report. Each group is required to submit ONLY ONE project report. Follow the project report guidelines while preparing the report (available on the course website). All groups are required to submit their project reports before the end term examination.