

Transportation Improvement Plan

For the final project in this class, you will propose an intervention, solution, or improvement to a transportation problem you have identified in either your previous assignments, in class, or another project of your choosing.

Your project can vary by mode, geography, and objectives. Both big and small ideas are welcomed. This can include proposing solutions to particular problems that currently exist in the transportation landscape (e.g. improvement for a particular street or transit line or transit station), proposing new infrastructure (e.g. a new transit line or cycling routes, or more broadly improving pedestrian/cycling/transit connectivity in an area), or outlining policy recommendations to tackle broader issues (e.g. policy options to improve transportation equity, sustainability, accessibility, or safety, etc.) in a region.

A project proposal will be due March 10 **(5%)**

The final two classes (March 28 and April 4) will be devoted to short (5 min) presentations **(5%)**

The final report will be due April 8 **(25%)**

Project Proposal

Due March 10 at 11:59pm

Provide a short (**maximum 500 words, not including any maps, figures, or references**) proposal which, 1) briefly identifies and describes the transportation problem that you will be assessing, and 2) outlines what you plan to do for your project (e.g. creating policy recommendations, maps and GIS analyses, designs like schematic route maps or street cross-sections, etc.)

Please submit your proposal on Quercus as a PDF or Word doc prior to the due date

Marking Guideline

The proposal will be marked out of (5):

- (2) Problem description
- (2) Project plan
- (1) Writing quality

Presentation

March 28 or April 4

Please submit your slides as a PDF on Quercus before noon on the day of your presentation.

You will give a 5 minute presentation to the class outlining your final project. The presentation will be followed by a brief Q&A period (1-3min).

You do not have to present a "complete" project (especially for those presenting on March 28). It will be more than okay if you provide a background for your project and describe what you're planning on doing going forward.

Keep the text on your slides to a minimum. Since the presentation is rather short, focus on the "big picture" and any key findings/solutions to your transportation problem thus far, rather than delving into small details.

If you have a preference for presenting on either March 28 or April 4, please email me. Preference for presentation dates will be considered on a first-come, first-serve basis. If you don't have a preference, you will be assigned randomly to either date.

Marking Guideline

The presentation will be marked out of (5):

Your grade will be based on your communication (design of slides and quality of speaking) and storytelling (do you clearly and succinctly describe your project; including background information and your proposed solutions)

Report

Due April 8 at 11:59pm

The final report should consist of two parts: 1) A shorter section outlining and providing background the transportation problem that you are analyzing. And 2) a longer section detailing your proposed plan, designs, and/or policy recommendations. Include as well some discussion about the practicality/barriers (e.g. politically, economically, etc.) in implementing your proposal in the real world

Feel free to consider using a variety of communication methods in your report; including design sketches, maps, street plans, renderings, and/or photographs.

Maximum 12 pages of content including all images and text (single-spaced font). Include a title page with your name and student number (not counted towards page count) and a bibliography of all works cited at the end (also not included in your page count). There is no preferred citation style (e.g. APA, MLA, Chicago), just be consistent with whichever you pick throughout your report.

Please submit your proposal on Quercus as a PDF or Word doc prior to the due date. **There will be no extensions given for the final report since it is due on the last day allowed by the department for term work**

Marking Guideline

(8) Communication

Quality of writing, design of any graphics like maps or schematics if applicable.

(5) Background

Outlining and providing background to the transportation problem that you are analyzing. This can be an expansion to what you wrote in your proposal. Content will vary depending on your project, but it can include describing its geography, its history, what mode(s) is it focused on, specific infrastructure, who does it impact, why is it a problem worth analyzing, etc. Include maps and figures as well as references and citations where suitable.

(12) Solution

Describing your proposed plan, designs, and/or policy recommendations. Overall you will be graded on how evidence-based, well-reasoned, and creative your proposed plans/designs/policy recommendations are. This will partly be graded in relation to the problems you outlined in the previous section.