

CE 572 – Spring 2015

Class 38

2015.04.24

14	<p>Class 36 (4.20) HCM Applications Guide <u>Class notes</u> HCMAG overview Assigned:</p> <ul style="list-style-type: none"> • Assignment 43 (HCMAG) • Assignment 44 (Project) 	<p>Class 37 (4.22) HCM Applications Guide HCMAG discussion Exam #2 review</p>	<p>Class 38 (4.24) HCM Applications Guide HCMAG presentations</p>
15	<p>Class 39 (4.27) HCM Applications Guide Project proposal due (A44, Task 1) Peer review of proposal</p>	<p>Class 40 (4.29) HCM Applications Guide Project discussion and review</p>	<p>Class 41 (5.01) HCM Applications Guide No class meeting (Expo!)</p>
16	<p>Class 42 (5.04) HCM Applications Guide HCS results (A44, Task 2)</p>	<p>Class 43 (5.06) HCM Applications Guide Project discussion and review</p>	<p>Class 44 (5.08) HCM Applications Guide Draft review due (A44, Task 3)</p>
17	<p>Final exam period (Tuesday, 5.12, 10 am-12 noon) ← Should we change to Monday, 5.11 10am-12 noon? Final report due Project presentations</p>		

Assignment 44 - Project

Task 1. Review the parcel of land that you have been assigned using online maps and by visiting the site. Prepare a study proposal that describes the site that you have been assigned and a traffic problem that you create that you will address in your final report. The proposal should also include the scope of the problem that you will address (including your initial perception of the key issues that are involved) and the relevant HCM models or methods that you will use. It should include the list of works tasks that you will address and complete. It should also include three issues that you will address as per the approach taken by the HCMAG. What you learn from reading the HCMAG should also be used to inform and structure your proposal. The proposal should be either two or three pages in length. You may work with me as you create this problem. This proposal should be emailed to me by Monday, April 27th at 800 am. Bring **three** printed copies of your proposal to class on April 27th.

As you prepare for Assignment 44, write a one page essay that answers the following question:

What have you learned thus far from the HCMAG about the teaching of traffic operational analysis that applies to your project (A44)?

Assignment 43 - HCMAG Presentations

The purpose of this assignment is to review one case study from the HCM Applications Guide and make a presentation on your findings. The content of the HCMAG will serve as an example for the final project (Assignment 44) that you will complete by the end of the semester. For this current assignment:

1. Read the HCMAG Research Results Digest from the Resources page.
2. Read the Introduction chapter from the HCMAG.
3. Read the case study from the HCMAG that you have been assigned.
4. Identify the primary problem that the case study is intended to address. Identify the scope of the analysis, the goals of the evaluation or analysis, and the specific problems that are used to address or illustrate the original problem.
5. Through discussions with your partner, prepare a list of things that you learned about traffic analysis as a result of reading this case study.
6. Based on items 2 and 3, prepare a presentation (10-15 minutes duration) that you will make to the rest of the class (with a partner) on Friday, April 24th. The presentation should show your understanding of the case study and what it is intended to accomplish. It should also include what you have learned about conducting an operational analysis of an intersection.

The case study assignments are as follows:

- Case study 1. US 95 corridor (Arman, Ben)
- Case study 2. Route 146 corridor (Brett, Marvin, Maged)
- Case study 5. Museum Road (Riannon, Kushel)