# CE 572 – Spring 2015

Intersection Traffic Operations
Class 05
28 January 2015

- 1. What happens when the volumes on each approach are set to 500 veh/hr?
  - What are the results from the spreadsheet?
  - Describe what you would observe in the field.
  - What should X be for these volumes?
- 2. Suppose the NB volume is 500 veh/hr and the volumes on the other approaches are zero. What is the capacity of the NB approach?
- 3. What is the condition (DOC case) at which the intersection volume is maximum?
- 4. Verify the five boundary conditions for this model.
- 5. Why can X be different in rows 13-16 and in row 27?
- 6. What is the condition at which the volume on any one approach is maximum?

## CHAPTER 19 TWO-WAY STOP-CONTROLLED INTERSECTIONS

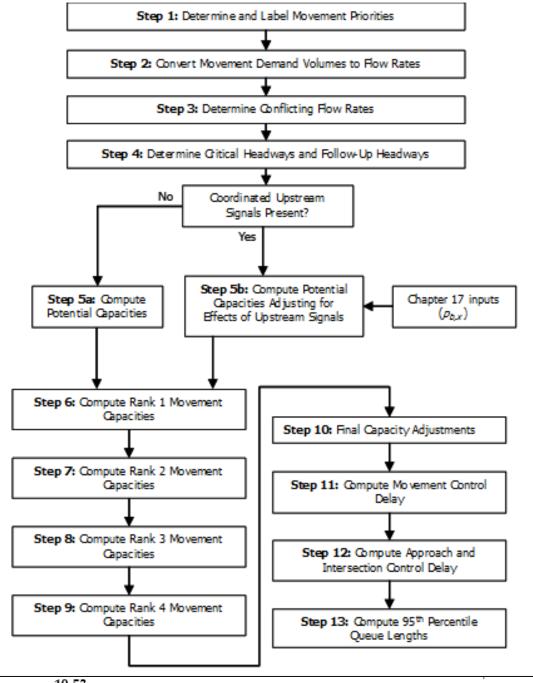
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## Assignment 09 - Reading

HCM pp 19.1-19.3, 19.5-19.7

Excerpt from HCM Planning Applications Guide on TWSC Intersections (see Resources page)

Not required