Traffic Engineering (3rd Edition) by William R. McShane

Probably The Best Traffic Engineering Textbook Out There

This unique book presents comprehensive and in-depth coverage of traffic engineering. KEY TOPICS It discusses all modern topics in traffic engineering, including design, construction, operation, maintenance, and system. For anyone involved in traffic studies, engineering, analysis, and control and operations.

From sight distance to freeway flow characteristics to signal coordination for arterials, this is the most comprehensive textbook I've seen on traffic engineering. The topics follow a very logical progression and many examples are given throughout. This book could serve as an excellent textbook for an undergraduate or first-year graduate traffic engineering class in addition to being a must have for practitioners. One way the book could be improved is by including a more thorough presentation of loop detectors, control cabinets, and how actuated signal timing plans actually play out from cycle to cycle, specifically with regards to actuated coordinated signals along arterials. Nonetheless, I still give the book a 5.

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