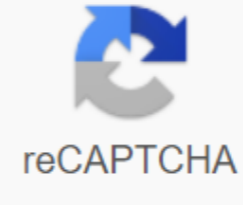




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This second edition of the Manual of Studies of Transport Engineering (MTES) is an updated and extended version of the 1994 MTES, which in itself was a revision of the Manual of Studies of Traffic Engineering of 1976, 4th Edition, of Box and Oppenlander. It is designed to help transport professionals and communities study their transport problems in a structured way, following the procedures accepted by the profession. The manual must be used in conjunction with the Traffic Engineering manual of the Institute of Transport Engineers, Transport Planning Manual, and other resources in order to be more useful. The main objective of the manual is on how to carry out transport engineering studies in the field. Each chapter introduces the type of study and describes the methods of data collection, the types of equipment used, the personnel and the level of training necessary, the amount of data necessary, the procedures to be followed and the techniques available to reduce and analyze the data. Requests for the data or information collected are only discussed briefly. The objective is to plan the study, prepare for the collection of field data, execute the data collection plan and reduce and analyze the data. Guidelines are offered for both oral and written presentation of the results of the study. Chapter titles are as follows: (1) Introduction; (2) Glossary of Terms; (3) Communication of data to the public; (4) Volume studies; (5) Speed studies at the point; (6) Intersection and entrance studies; (7) Traffic control devices; (8) Compliance with traffic control devices; (9) Studies of travel time and delay; (10) Motorway and managed lane studies; (11) Simulation Studies; (12) Pedestrian and bicycle studies; (13) Public Transport Studies; (14) Studies of the Merchandise Movement; (15) Inventories; (16) Parking studies; (17) Traffic collision studies; (18) Alternative security studies; (19) Road lighting; (20) Transport planning data; (21) Environmental impacts of transport projects; and (22) Traffic Access and Impact Studies. Media Information Language Subject / Index Conditions of presentation of information Additional physical format: Online version: Manual of studies of engineering of the transport. 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Hummer, assistant editor, Donna C. Nelson, assistant editor. The main objective of the manual is on how to carry out transport engineering studies in the field. Each chapter introduces the type of study and describes the methods of data collection, the types of equipment used, the personnel and the level of training necessary, the amount of data necessary, the procedures to be followed and the techniques available to reduce and analyze the data. Requests for the data or information collected are only discussed briefly. The objective is to plan the study, prepare for the collection of field data, execute the data collection plan and reduce and analyze the data. Guidelines are offered for both oral and written presentation of the results of the study. You are reading a free preview Pages 16 to 22 are not shown in this preview. You are reading a free preview Pages 26 to 35 are not displayed in this preview. You are reading a free preview Pages 39 to 41 are not shown in this preview. 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