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January 2021

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PRINCIPLES OF URBAN TRANSPORT SYSTEMS PLANNING

The processes involved in urban transport strategic planning are described in depth and within a systems type framework by the author of this precedent-setting text. Recent advances as well as the commonly used analytical methods are described thoroughly. The first part of the book covers the techniques used to estimate the travel demands that are likely to be created by a given land use arrangement including trip generation analysis, modal split analysis, trip distribution analysis and traffic assignment analysis. A family of Lowry type land use models is presented and current applications of these models to regional spatial planning are discussed. Other topics covered by this book include transport technology, concepts of urban structure, economic evaluation, urban information sources and urban goods movements.

Corporate Authors:

Scripta Book Company
1025 Vermont Avenue
Washington, DC United States 20005

Authors:

Hutchinson, B G

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Pagination: 444 p.

Subject/Index Terms

TRT Terms: [Economics](#); [Land use](#); [Mathematical models](#); [Methodology](#); [Modal split](#); [Systems analysis](#); [Transportation](#); [Transportation planning](#); [Travel demand](#); [Travel patterns](#); [Trend \(Statistics\)](#); [Trip distribution](#); [Trip generation](#); [Urban transportation](#)

Uncontrolled Terms: [Models](#)

Old TRIS Terms: [Traffic assignmet analysis](#); [Transportation system analysis](#); [Trip distribution analysis](#)

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