



# DEPARTMENT OF TRANSPORTATION

# NEWS

## URBAN MASS TRANSPORTATION ADMINISTRATION

WASHINGTON, D.C. 20590

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UMTA 73-53  
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An updated list of research and technical studies reports available for public use has been released by the Department of Transportation's Urban Mass Transportation Administration (UMTA).

The new listing includes reports received by UMTA since last July, and updates URBAN MASS TRANSPORTATION ABSTRACTS, published in the fall 1972. The reports deal with a wide range of transit-related subjects including the social, political, economic and engineering aspects of urban transportation.

Copies of these additional reports, along with the "ABSTRACTS" (PB 213-212, \$6) can be obtained from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22151. Orders should include the publication "PB" number, title, and a check or money order for each report in hard copy. Microfiche copies are also available at a cost of 95¢ per report. Checks should be made payable to the National Technical Information Service, or just NTIS.

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For further information contact Judy Kaplan at (202) 426-0090, or write Urban Mass Transportation Administration, Room 9307, 400 Seventh Street, S.W., Washington, D.C. 20590.

## BUS

Automatic Vehicle Monitoring System. RCA Government Communications Systems. March, 1973, PB 219-083, \$6.00.

Blue Streak Bus Rapid Transit Demonstration Project--Phase II Interim Report. Alan M. Voorhees & Associates, Inc. July, 1972, PB 218-879, \$3.00.

California Steam Bus Project Final Report. California Legislature, The Assembly Office of Research. January, 1973, PB 217-508, \$3.75.

The California Steam Bus Project--Technical Evaluation. International Research & Technology Corporation. January, 1973, PB 218-139, \$3.00.

California Steam Bus Project. Scientific Analysis Corporation. 1973, PB 217-509, \$3.00.

California Steam Bus Project--Project Report on Community Attitude Surveys, Phase I. Scientific Analysis Corporation. 1973, PB 217-510, \$4.50.

California Steam Bus Project Final Report--Surveys. Scientific Analysis Corporation. 1973, PB 217-511, \$3.75.

Steam Bus Symposium Proceedings. Scientific Analysis Corporation. November 17, 1971, PB 212-535, \$3.00.

A Feasibility Study of Free Bus Service for a Street Corridor of Denver. University of Colorado, Denver Center, Center for Urban Transportation Studies. September, 1972, PB 212-802, \$3.00.

Publicos Study - Mayaguez, Puerto Rico. University of Puerto Rico, School of Engineering, Transportation Institute. June 30, 1972, PB 212-990, \$3.00.

The Shirley Highway Express-Bus-On-Freeway Demonstration Project-Project Description. Gerald Miller. August, 1971, PB 218-983, \$3.00.

The Shirley Highway Express Bus-On-Freeway Demonstration Project/First Year Results. National Bureau of Standards, Technical Analysis Division. November, 1972, PB 214-333, \$3.00.

Reduction of Robberies and Assaults of Bus Drivers--Volume II: The Scope of the Crime Problem and Its Resolution. University of California at Berkeley for Alameda-Contra Costa Transit District. December, 1970, PB 198-056, \$6.00.

Reduction of Robberies and Assaults of Bus Drivers--Volume III: Technological and Operational Methods. Stanford Research Institute. April, 1970, PB 198-057, \$3.00.

Goals and Guidelines: Rankine Cycle Propulsion Systems for Application to Urban Buses and Other Heavy-Duty Vehicles. International Research & Technology Corporation. December 1, 1972, PB 218-143, \$3.00.

Downtown Bus Transportation. Consortium of Universities, Urban Transportation Center. June, 1972, PB 212-616, \$4.50.

LORAN C Automatic Vehicle Monitoring System--Volume I: Study Results. Teledyne Systems Company. July, 1972, PB 216-332, \$9.00.

### RAIL

Characteristics of a Linear Regulation Control Law for Vehicles in an Automatic Transit System. Johns Hopkins University, Applied Physics Laboratory. January, 1972, PB 212-502, \$3.00.

Fifteen-Oh-One to Sixteen-Thirty: Technical and Managerial Lessons from One Experience in Introducing New Technology to Improve Urban Mass Transportation. Social Engineering Technology. November, 1972, PB 213-448, \$3.00.

Environmental Control in Rapid Transit - Summary Report of Activities and Accomplishments of Phase I. Parsons, Brinckerhoff, Quade and Douglas, Inc. October, 1971, PB 205-259, \$3.00.

An Extension of the Newark City Subway System: Its Ridership, Station Location, and Effects. Newark College of Engineering. November, 1971, PB 216-598, \$3.00.

Initial Data Acquisition from Vehicles in Confined Spaces (VICS-120) Facility, and Final Results from VICS-70. California Institute of Technology, Graduate Aeronautical Laboratories. October, 1971, PB 211-031, \$3.00.

Light Rail Transit Systems--A Definition and Evaluation. Transportation Systems Center. October, 1972, PB 213-447, \$3.00.

Standard Light Rail Vehicle Specification--Technical Section. Massachusetts Bay Transportation Authority and San Francisco Municipal Railway Improvement Corporation. October, 1972, PB 212-688, \$3.00.

Standard Light Rail Vehicle Specification--Contract Section. Massachusetts Bay Transportation Authority and San Francisco Municipal Railway Improvement Corporation. October, 1972, PB 212-687, \$3.00.

The M&O Subway, Fort Worth, Texas. Institute for Defense Analysis. December, 1969, AD 701-338, \$6.00.

The 'Northwest Passage' Chicago Project: A Market Analysis Covering Performance of the Pedestrian Interchange, 1969-1971. A.C. Nielsen Company. October, 1971, PB 210-240, \$6.00.

Subway Aerodynamic and Thermodynamic Test (SAT) Facility: Single-Track Aerodynamics. Developmental Sciences, Inc., Aerospace Technology Division. August, 1972, PB 213-158, \$3.00.

Subway Environmental Survey: Port Authority Trans-Hudson Corporation. DeLeuw, Cather and Company. October, 1971, PB 210-322, \$3.00.

Subway Environmental Survey--New York City Transit Authority. DeLeuw, Cather and Company. December, 1971, PB 211-073, \$3.00.

Urban Rapid Rail Vehicle and Systems Program. The Boeing Company. July, 1972, PB 212-848, \$4.50.

#### NEW SYSTEMS

Augmented Block Guidance for Short-Headway Transportation Systems. Johns Hopkins University. September, 1972, PB 214-391, \$6.00.

Functional Specifications for New Systems of Urban Mass Transportation. Battelle, Columbus Laboratories. November, 1972, PB 217-613, \$5.45.

High Speed Ground Access Study--Los Angeles International Airport. Peat, Marwick, Mitchell and Company. April, 1972, PB 212-023, \$3.00.

High Speed Ground Transportation--Documentation of Preliminary Engineering, Los Angeles International Airport. Kaiser Engineers. April, 1972, PB 211-833, \$3.00.

Operating Strategies for Demand-Actuated ACGV Systems--Volume II: Evaluation and Comparison. Johns Hopkins University. March, 1972, PB 213-003, \$3.00.

Over-the-Water Program Design--Volume I: Summary. Interplan Corporation. December, 1971, PB 216-066, \$3.00.

Over-the-Water Program Design--Volume II: Technology and Operating Experience. Interplan Corporation. December, 1971, PB 216-067, \$3.00.

Over-the-Water Program Design--Volume III: Estimation of Potential National Demand. Interplan Corporation. December, 1971, PB 216-068, \$3.00.

Proceedings, Institute for Defense Analysis Urban Transportation Workshop--February 3 - 5, 1969. Institute for Defense Analysis. October, 1969, AD 699-158, \$3.00.

Studies in Automated Guideway Transportation, 2: Four Papers on Palleted Systems. Massachusetts Institute of Technology, Urban Systems Laboratory. 1972, PB 214-453, \$3.00.

Survey of Public Reaction to TRANSPO Personal Rapid Transit Systems and UMTA-Sponsored Bus and Rail Exhibits. Century Research Corporation. November, 1972, PB 214-819, \$6.00.

UMTA Transportation Planning System--Network Development Manual. Urban Mass Transportation Administration, Office of Research, Development and Demonstration, New Systems Requirements Analysis Branch. September 15, 1972, PB 212-930, \$3.00.

UMTA Transportation Planning System, Reference Manual. Urban Mass Transportation Administration, Office of Research, Development and Demonstration, New Systems Requirements Analysis Branch. September 15, 1972, PB 212-473, \$3.00.

New Systems Requirements Analysis Program, Indicators and Interactive Sketch Planning Symposium--Work Item 2: Transportation System Evaluation Indicators and Work Item 3: Interactive Sketch Planning Techniques. Peat, Marwick, Mitchell and Company. December 18, 1972, PB 218-867, \$4.85.

New Systems Requirements Analysis Program, Project Implementation Plan--Work Item 2: UTPS Pilot Applications. TRW, Inc. November 20, 1972, PB 218-863, \$4.50.

New Systems Requirements Analysis Program--Project Implementation Plan, Work Item 2: Transportation System Evaluation Indicators. Peat, Marwick, Mitchell & Company. September 13, 1973, PB 218-868, \$4.50.

New Systems Requirements Analysis Program, Project Implementation Plan--Work Item 3: Development of Sketch Planning Techniques. Peat, Marwick, Mitchell and Company. July 28, 1972, PB 218-865, \$5.45.



New Systems Requirements Analysis Program, Project Implementation Plan--Work Item 4: Station Simulation Capability. Peat, Marwick, Mitchell and Company. September 29, 1972, PB 218-864, \$4.85.

New Systems Requirements Analysis Program, Project Implementation Plan--Work Item 5: Special Studies. PRC Systems Sciences Company. July 6, 1972, PB 214-288, \$3.00.

New Systems Requirements Analysis Program, Technical Development Plan. PRC Systems Sciences Company. July 7, 1972, PB 218-862, \$5.45.

New Systems Requirements Analysis Program, UMTA Transportation Planning Systems (UTPS)--Sketch Planning Workshop Proceedings. Urban Mass Transportation Administration, Office of Research, Development and Demonstration. October 19, 1972, PB 214-263, \$3.00.

New Systems Requirements Analysis Program--General Functional Specifications for a Transit Station Simulation Model. Barton-Aschman Associates, Inc. and Peat, Marwick, Mitchell and Company. November 3, 1972, PB 214-337, \$5.45.

#### PLANNING

Birmingham Transit Study for Birmingham Regional Planning Commission. Wilbur Smith and Associates, Inc. June, 1972, PB 211-315, \$3.00.

Public Transportation Feasibility Study--Anchorage, Alaska. Bivens and Associates, Inc. March, 1972, PB 213-163, \$3.00.

Supplemental Appendix to the Public Transportation Feasibility Study--Anchorage, Alaska. Bivens and Associates, Inc. March, 1972, PB 213-164, \$3.00.

Project Report for Public Transportation Feasibility Study for Anchorage, Alaska. Greater Anchorage Area Borough, Planning Department. August, 1972, PB 213-165, \$3.00.

San Francisco Airport Access Project. Parson-Brinckerhoff, Tudor, Bechtel; Wilbur Smith and Associates; Kirker, Chapman and Associates. October, 1972, PB 213-411, \$6.00.

San Francisco Airport Access Project--Summary. Parsons Brinckerhoff-Tudor-Bechtel; Wilbur Smith and Associates; Kirker, Chapman Consultants. May, 1972, PB 212-456, \$3.00.

An Analysis of the 1968 Rapid Transit Vote in Los Angeles. University of California at Los Angeles, School of Architecture and Urban Planning. October, 1972, PB 214-252, \$3.00.

A Public Transportation Program for the Capitol Hartford, Connecticut Region. Alan M. Voorhees and Associates, Inc. July, 1971, PB 211-834, \$3.00.

Addendum Report to the Capitol Region Council of Governments' Mass Transit Study Entitled: 'A Public Transportation Program for the Capitol Region'. Alan M. Voorhees and Associates, Inc. May, 1972, PB 211-835, \$3.00.

The Transportation Needs of International Visitors to the District of Columbia in the Bicentennial Era. Consortium of Universities, Urban Transportation Center. June, 1972, PB 212-899, \$3.00.

Immediate Action Program-Broward County, Florida: Interim Report 1. Simpson & Curtin, Transportation Engineers. November, 1971, PB 211-307, \$3.00.

Coordinated Transit for Broward County--Interim Report #2. Simpson & Curtin, Transportation Engineers. January, 1972, PB 211-390, \$3.00.

The Transit Rider-Broward County, Florida--Interim Report #3. Simpson and Curtin, Transportation Engineers. January, 1972, PB 211-391, \$3.00.

Transit Now for Tomorrow--A Decade of Transit Progress for Dade County. Simpson & Curtin, Transportation Engineers. October, 1972, PB 212-800, \$3.00.

Immediate Action Transit Program-Palm Beach County, Florida: Interim Report 1. Simpson & Curtin, Transportation Engineers. March, 1972, PB 211-310. \$3.00.

Volusia County Florida Transit Improvement Study--Recommended Transit System. W.C. Gilman & Company. August, 1972, PB 212-223, \$3.00.

Savannah Transit Study. Public Research and Management, Inc. December, 1972, PB 215-155, \$3.00.

An Evaluation of Rural Bus Service, City and County of Honolulu. Barton-Aschman Associates, Inc. and Alan M. Voorhees & Associates, Inc. March, 1972, PB 211-786, \$3.00.

Hawaii County Transit System. Alan M. Voorhees & Associates, Inc. May, 1972, PB 214-767, \$3.00.

Job Accessibility for the Unemployed: An Analysis of Public Transportation in Chicago. Mayor's Committee for Economic and Cultural Development. March, 1972, PB 210-969, \$3.00.

Bus and Rail Rolling Stock, Equipment in Metropolitan Chicago. Chicago Area Transportation Study and the Lake-Porter County Regional Transportation Planning Commission. August, 1972, PB 211-887, \$3.00.

The Five Trip End Transit Model: A Description of Its Theory and Development (Chicago). Samuel A. Walker III. November, 1972, PB 214-782, \$3.00.

Quad Cities (Rockland, Ill. & Davenport, Iowa) Public Transportation Study. Peat, Marwick, Mitchell and Company, February 14, 1972, PB 212-117, \$3.00.

The O'Harexpress: An Employment Access Demonstration Project. Mayor's Committee for Economic and Cultural Development. August, 1972, PB 212-677, \$3.00.

Mass Transit in Scotlandville (Baton Rouge, La.): Demand and Response. Southern University and A&M College. January, 1973, PB 213-168, \$3.00.

Public Transit in Greater Portland (Maine)--Summary Report. Greater Portland Council of Governments. August, 1972, PB 214-224, \$3.00.

Public Transit in Greater Portland (Maine)--Technical Document. Greater Portland Council of Governments. October, 1971, PB 214-150, \$20.75.

Plan of Assistance Incident to the Acquisition of Greater Portland Transportation Company by the Greater Portland Transit District Including Valuation of Physical Assets and Other Operational and Intangible Assets of Greater Portland Transportation Company as of March 31, 1972. Coverdale and Colpitts, Inc. July 14, 1972, PB 214-223, \$3.00.

Baltimore Region Rapid Transit System--Phase I: Volume I. Daniel, Mann, Johnson & Mendenhall/Kaiser Engineers. June, 1971, PB 212-815, \$3.00.

Report on Logan Airport (Boston) Travel Study. Coverdale & Colpitts. October 31, 1972, PB 212-814, \$3.00.

Transit Improvements Plan for the St. Cloud (Minn.) Metropolitan Transit Commission. Bather-Ringrose-Wolsfeld, Inc. July, 1972, PB 213-344, \$3.00.



Hattiesburg (Miss.) Transit Study. Wilbur Smith and Associates, Inc. August, 1972, PB 212-036, \$3.00.

Multi-Service Transportation Project - Kansas City Metro Area. City of Kansas City, Missouri, Transportation Department. 1972, PB 212-257, \$3.00.

Socioeconomic Study of a Proposed Rail-Like Rapid Transit System for the St. Louis Metropolitan Area--Volume I: Executive Summary. CONSAD Research Corporation. February 7, 1972, PB 214-035, \$3.75.

Socioeconomic Study of a Proposed Rail-Like Rapid Transit System for the St. Louis Metropolitan Area--Volume II: Impacts and Public Perceptions. CONSAD Research Corporation. February 7, 1972, PB 214-036, \$6.00.

Socioeconomic Study of a Proposed Rail-Like Rapid Transit System for the St. Louis Metropolitan Area--Volume III: Appendices. CONSAD Research Corporation. February, 1972, PB 214-037, \$6.75.

Socioeconomic Study of a Proposed Rail-Like Rapid Transit System for the St. Louis Metropolitan Area--Staff Report, Los Angeles. East-West Gateway Coordinating Council. July, 1971, PB 214-038, \$4.85.

An Analysis of Household Locational and Tripmaking Behavior--Patterson, Passaic & Clifton, New Jersey. Newark College of Engineering. November, 1971, PB 213-622, \$3.00.

Transportation Problems of the Autoless Worker in a Small City--Greensboro, North Carolina. North Carolina Agricultural and Technical State University. October, 1972, PB 213-131, \$3.00.

Transit Improvement Program for High Point, North Carolina. Alan M. Voorhees & Associates, Inc. November, 1972, PB 214-253, \$3.00.

Mass Transit Improvement Plan--Lawton, Oklahoma. Alan M. Voorhees & Associates. August, 1972, PB 212-917, \$3.00.

The Pittsburgh Parking Strike. Carnegie Mellon University, Transportation Research Center. December, 1972, PB 213-789, \$3.00.

The Impact of Rapid Transit Systems on Commercial Office Development: The Case of the Philadelphia-Lindenwold Line. University of Pennsylvania, Transportation Studies Center. June, 1972, PB 212-906, \$3.00.

National Transportation Needs Study, 1970-1990 Puerto Rico--  
Part I: Narrative Report. Puerto Rico Planning Board.  
August, 1971, PB 212-929, \$3.00.

Transportation and Urban Settlements Combined Action (TUSCA)--  
Preliminary Planning Study - Puerto Rico. Puerto Rico Planning  
Board. September 30, 1971, PB 211-841, \$6.00.

A Model Optimum System of Bus Transportation for Improving  
Economic Opportunities in Medium-Sized Metropolitan Areas -  
Charleston, Columbia, and Greenville, South Carolina. Uni-  
versity of South Carolina, Traffic and Transportation Center.  
September, 1972, PB 212-786, \$3.00.

Analysis of Existing Transit Systems - Austin, Texas. City of  
Austin, Traffic and Transportation Department. October, 1972,  
PB 213-413, \$3.00.

Transit Action Program (Austin, Texas): 1972-1977. City of  
Austin, Traffic and Transportation Department. October, 1972,  
PB 213-414, \$3.00.

Public Transportation and Employment Study - Richmond, Virginia.  
Richmond Regional Planning District Commission. December, 1971,  
PB 213-052, \$3.00.

The Future of Transit in Planning District 15 - Richmond,  
Virginia. Richmond Regional Planning District Commission.  
March, 1972, PB 212-856, \$3.00.

A Transit Plan for the Metropolitan Area, Seattle and King  
County--Summary Report. Puget Sound Governmental Conference.  
May, 1972, PB 213-558, \$3.00.

A Transit Plan for the Metropolitan Area, Seattle and King  
County--Technical Appendix. Puget Sound Governmental Confer-  
ence. May, 1972, PB 213-559, \$6.00.

A Transit Plan for the Central Puget Sound Region, An Update of  
the Puget Sound Regional Transit Plan. Puget Sound Governmental  
Conference. May, 1972, PB 213-446, \$3.00.

Bellevue Area Micro-Model Transportation Analyses. Puget Sound  
Governmental Conference. November, 1972, PB 219-137, \$3.00.

Bellevue (Wash.) Area Transit Study. Puget Sound Governmental  
Conference. June, 1972, PB 213-248, \$3.00.

Break-Even Benefit-Cost Analysis of Alternative Express Tran-  
sit Systems - Milwaukee Region. University of Wisconsin at  
Milwaukee. October 1, 1972, PB 213-580, \$3.00.

Milwaukee Central Area Transit Distribution System. Barton-Aschman Associates, Inc. January, 1971, PB 208-455, \$3.00.

Documentation of the Travel Simulation Models Used in the Mass Transit Technical Planning Study in Milwaukee County. Southeastern Wisconsin Regional Planning Commission. December, 1971, PB 208-393, \$3.00.

General Criteria for Transitway Design--Milwaukee County Transitway. Barton-Aschman Associates, Inc. December, 1968, PB 208-994, \$3.00.

#### PLANNING, MISC.

Before and After Benefit-Cost Analysis in Urban Transportation. University of California at Los Angeles. September, 1972, PB 218-831, \$4.50.

Center City Transportation Needs of Transit-Oriented Cities--Summary of the National Urban Coalition Seminar, Boston, Massachusetts, April 1-2, 1970. Institute for Defense Analysis. April, 1970, AD 707-314. \$3.00.

A Comparative Study of Urban Transit Technologies: The Service Specification Envelope Approach. Pennsylvania State University, Pennsylvania Transportation and Traffic Safety Center. August, 1972, PB 212-815, \$3.00.

A Computer System for Interactive Analysis and Planning of Urban and Transportation Systems. University of Illinois at Chicago Circle, College of Engineering. May, 1972, PB 216-599, \$3.00.

Concepts for Evaluating Center City Transportation Program and Projects--Interim Report. Institute for Defense Analysis. December, 1969, PB 212-458, \$3.00.

Economic Evaluation of Transportation Facility Arrangements. Virginia Polytechnic Institute and State University. September, 1972, PB 214-773, \$3.75.

Factors for Evaluation of Center City Transportation Plans. Institute for Defense Analysis. August, 1969, PB 212-459, \$3.00.

Integrating Localized Systemwide Objectives in Transportation Planning. Martin Wachs, Barclay Hudson, Joseph Schofer. January, 1973, PB 218-855, \$3.75.

Functional Space and Transportation. Kozmas Balkus. July, 1972, PB 218-459, \$3.00.

Measurement of the Effects of Transportation Changes. Charles River Associates, Inc. September, 1972, PB 213-491, \$10.60.

Modal Choice and Attitude Patterns for a Medium Size Metropolitan Area. University of Colorado, Denver Center, Center for Urban Transportation Studies. October, 1972, PB 212-801, \$3.00.

A New Role for Planners: Working With Community Residents in Formulating Plans for Street Patterns--Before Decision-Making. University of California at Los Angeles. February, 1972, PB 214-396, \$3.75.

The New Town and Transportation Planning - General Overview With a Case Study of Columbia, Maryland. Consortium of Universities, Urban Transportation Center. Spring, 1970, PB 194-203, \$3.00.

Physical Accessibility as a Social Indicator. University of California at Los Angeles, School of Architecture and Urban Planning. October 20, 1972, PB 212-740, \$3.75.

Planning Demand-Adaptive Urban Public Transportation Systems: The Man-Computer Interactive Graphic Approach--Research Report No. 71-4. University of Washington at Seattle. June, 1972, PB 212-540, \$3.00.

Planning Transportation Terminal Systems in Urban Regions: A Man-Machine Interactive Problem-Solving Approach--Research Report 5. University of Washington, Departments of Urban Planning and Civil Engineering. April, 1971, PB 202-411, \$3.00.

Project FARE Task II Report, Urban Mass Transportation Industry Reporting Capability--Part I: Survey Findings. Arthur Anderson & Company. November, 1972, PB 213-474, \$3.00.

Project FARE Task II Report, Urban Mass Transportation Industry Reporting Capability--Part II: Sample Questionnaire. Arthur Anderson and Company. November, 1972, PB 213-475, \$3.00.

Psychological Factors Affecting Urban Travel: Responses to Crowding in Transit Vehicles. Florida State University, Transportation Center. July, 1972, PB 215-625, \$3.00.

The Role of Psychological Needs in Mass Transit. University of California at Los Angeles, School of Architecture and Urban Planning. December, 1972, PB 216-161, \$3.75.

Social Problems and Community Values in Planning Goal Formulation. Florida State University, Department of Urban and Regional Planning. July, 1972, PB 214-917, \$3.00.



The State-of-the-Art in Urban Gaming Models. Environmetrics, Inc. July, 1971, PB 201-944, \$3.00.

A Strategy for Urban Mass Transportation Route-Technology Selection. University of Pittsburgh. July, 1972, PB 219-066, \$3.00.

Structural and Socio-Economic Factors of Commuting. Georgia Institute of Technology. November, 1970, PB 196-792, \$3.00.

Study and Evaluation of Urban Mass Transportation Regulation and Regulatory Bodies--Part I: Summary and Main Report. R. L. Banks & Associates, Inc., Stanford Research Institute, and Real Estate Research Corporation. May, 1972, PB 211-077, \$9.00.

Study and Evaluation of Urban Mass Transportation Regulation and Regulatory Bodies--Volume II: Appendices. R.L. Banks & Associates, Inc. May, 1972, PB 211-078, \$6.75.

Urban Goods Movement Program Design. Battelle Columbus Laboratories. June, 1972, PB 216-899, \$6.00.

#### BIBLIOGRAPHIES

An Annotated Bibliography on Urban Goods Movement. Northwestern University. November, 1972, PB 219-107, \$5.45.

Bus Transit Planning and Operations, Selected References. Northwestern University, Transportation Center. June, 1972, PB 214-751, \$3.00.

Communication Innovations, Urban Form and Travel Demand: Some Hypotheses and a Bibliography--Research Report No. 71-2. University of Washington at Seattle, Departments of Urban Planning and Civil Engineering. January, 1972, PB 212-411, \$4.50.

Pedestrian Movement: Selected References, 1965 - June, 1972. Northwestern University, The Transportation Center. June, 1972, PB 214-672, \$3.00.

Studies of High Activity Density Area Circulation Systems, 1: A Bibliography. Massachusetts Institute of Technology, Urban Systems Laboratory. 1972, PB 214-452, \$3.00.

Urban Transportation Planning References--A Checklist for Library Collections (Revised Edition.) Northwestern University, The Transportation Center. April, 1972, PB 214-648, \$3.75.



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