



DEPARTMENT OF TRANSPORTATION

NEWS

URBAN MASS TRANSPORTATION ADMINISTRATION WASHINGTON, D. C. 20590

FOR IMMEDIATE RELEASE
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UMTA 73--81
Telephone: (202) 426-4043

The Department of Transportation's Urban Mass Transportation Administration (UMTA) today announced the scheduling of two new training sessions on the UMTA Transportation Planning System (UTPS).

This system provides a planner the ability to evaluate reasonably and economically some of the expected costs and benefits of a proposed transportation system. UTPS, complementary to existing Federal Highway Administration programs, is at present a suite of 15 computer programs with documentation designed explicitly to aid in the long-range planning of urban, multimodal transportation.

The first of these sessions will be held September 10-14, at Seattle, Washington. This session, with registration already completed, will be followed November 5-9, by one in Boston, Mass.

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For further information contact the UMTA Office of Public Affairs at (202) 426-4043.

UMTA TRANSPORTATION PLANNING SYSTEM

UTPS

Training Session In Boston

The UMTA Transportation Planning System will conduct a training session in Boston, Massachusetts during the week of November 5 - 9, 1973. The session will be limited to 45 attendees, and although there is no charge for the course, UMTA cannot assist in paying travel or other expenses.

Course content will focus on the concepts, applications and use of the 15 IBM 360 computer programs presently constituting the UMTA Transportation Planning System (UTPS). An application for the course is enclosed and should be completed and returned as soon as practicable. In the past, the number of applications has far exceeded the space limitations. In accordance with DOT policy, preference will be given to employees of public agencies on a first-come first-serve basis.

Documents Available Through NTIS

No general distribution of UTPS documentation is made. Instead all documents are forwarded to the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22151. Anyone interested in obtaining any of the documentation may do so by writing directly to NTIS. The following is a list of publications submitted to the National Technical Information Service by each prime contractor.

Urban Mass Transportation Administration

"UMTA Transportation Planning System, Reference Manual", September 15, 1972, PB 212-473, \$3.50.

This document summarizes information for operators of the UTPS IBM System/360 computer programs for multi-modal transportation systems. It is intended as a concise reference for persons already familiar with the usage of the programs.

"UMTA Transportation Planning System - Network Development Manual," September 15, 1972, PB 212-930, \$3.50.

This manual provides an overview of the UTPS network analysis programs and discusses in detail the preparation and coding of transportation networks. The physical preparation of network data and maps is discussed along with network coding and editing procedures.

"New Systems Analysis Program, UMTA Transportation Planning System - Sketch Planning Workshop Proceedings," October 19, 1972, PB 214-263, \$3.00.

Part I of the proceedings of the October 19, 1972 UTPS User's Workshop presents position papers on specific sketch planning topics prepared by individual professionals at the conference. Part II summarizes the major comments, findings, and conclusions gathered during small group discussions.

Peat, Marwick, Mitchell & Company

"New Systems Requirements Analysis Program, Technical Development Plan", August 11, 1972, PB 218 866, \$6.00.

(Each UTPS contractor submits a Technical Development Plan (TDP) which presents the general specifications and justifications for all work items included in the program. The TDP is a dynamic document, subject to revision and expansion as the program develops, which cites schedules, funding and manpower requirements, and methods for accomplishing the work where appropriate.)

This report outlines a long-range research and development effort to devise, develop, and deliver new computer techniques for multimodal urban transportation planning. Work items specified and discussed in this contract include: (1) prime contractor management, (2) indicators of socio-economic factors, (3) development of interactive sketch planning techniques, (4) station simulation capability and (5) special analyses.

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

(A Project Implementation Plan (PIP) is also prepared by each of the prime contractors for every work item assigned. The PIP presents detailed specifications, criteria, and schedules for each work item in the contract. It also provides detailed justification for allocation of manpower and other resources for specific projects.)

This report deals with evaluation measures designed to estimate levels of success of transportation systems in achieving local objectives. Included are proposed technical work steps, time scheduling, organizational arrangements, and management control procedures for the project.

"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", December 18, 1972, PB 218 867, \$4.85.

Part I of this report summarizes the purpose, major issues, conclusions and recommendations of the Indicators and Interactive Sketch Planning Symposium held on December 18, 1972, in Washington, D. C. Part II includes a sample letter of invitation, resumes of the professionals who attended the symposium, and detailed notes of the proceedings.

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

This report presents a plan for new techniques to supplement and extend capabilities of the UMTA Transportation Planning System. Included are a program for interaction with the professional planning community, potential ways of developing a process for Sketch Planning purposes through time-share computers, cathode ray tube hardware, improved data reduction, network abstraction, and new evaluation procedures. Descriptions of the proposed methodologies are provided as well as organizational and management control procedures for this project.

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

The development of a station simulation capability and associated computer program package as part of UMTA's NSRAP is outlined. The simulation package is for the analysis of personal movements within and around public transportation terminals. In addition to a description of proposed technical work steps, this document also contains cost allocations, time schedules, organizational arrangements, and management control procedures for the conduct of this project.

"New Systems Requirements Analysis Program, Station Simulation Symposium--Work Item 4: Station Simulation Capability", November 9-10, 1972, (Accession Pending).

This document contains the proceedings of the Station Simulation Symposium held on November 9 and 10, 1972. The purpose of the symposium was to gather the views and requirements of the professional planning community regarding uses and applications of the proposed Station Simulation Model developed to represent the linkage among modules of a characteristic transit station and to trace the movement of persons through the station.

"New Systems Requirements Analysis Program, General Functional Specifications for a Transit Station Simulation Model", (Accession Pending).

(For each of his specific software development items a UTPS contractor must first produce the General Functional Specifications. It must contain a full and complete discussion of the purpose and objectives of the software item. The second document required for each software development item is the detailed Technical Specifications. This document consists of the overall program and the module specifications for the software item).

A general description of the operating environment of transit stations is discussed along with the overall simulation concept and technique. Appended material includes the findings of a literature search, human factors engineering in transit station design, and a preliminary outline of a User's Manual for the simulation model package.

TRW Systems Group, Incorporated

"New Systems Requirements Analysis Program, Project Implementation Plan--Work Item 2: UTPS Pilot Applications", November 10, 1972, PB 218 863, \$4.50.

Techniques being developed in UMTA's New Systems Requirements Analysis Program will be demonstrated in two test areas, metropolitan Washington, D.C., and Albuquerque, New Mexico. This document details the activities to be undertaken in the initial pilot application in Washington, D.C. Two activities supporting the pilot applications will include the assessment of program documentation and a narrowly defined evaluation of the product produced by the planning techniques.

Planning Research Corporation

"New Systems Requirements Analysis Program, Technical Development Plan", July 7, 1972, PB 218 862, \$5.45.

This report contains the development plan for the refinement, development, and delivery of software documentation for the Urban Mass Transportation Administration's Transportation Planning System. This work constitutes a portion of the New Systems Requirements Analysis Program currently under development. The five work items specified in the present contract include: (1) prime contractor management, (2) development of sketch planning techniques, (3) extension of existing capability, (4) microsimulation capability, and (5) special studies.

Century Research

"Survey of Public Reaction to TRANSPO Personal Rapid Transit Systems and UMTA-Sponsored Bus and Rail Exhibits", November, 1972.

Surveys of visitors to the United States International Transportation Exposition were conducted to determine public reaction to four personal rapid transit (PRT) systems an experimental urban transit bus, and a rail car from the San Francisco Bay Area Rapid Transit system. Overall, reactions to the demonstrations and displays were extremely favorable. Methods and questionnaires used in the surveys are described along with general results and conclusions.

Yes, I will attend a UTPS training session

() Boston, Massachusetts, November 5 through 9, 1973.

Name _____

Agency _____

Address _____

Phone _____

I have experience with transportation planning program packages using the following computer(s).

() BPR 7090 () HUD 7090 () CDC () Univac

() FHWA 360 () HUD 360 () Burroughs

() Other (specify) _____

() No prior experience with transportation planning computer programs

I do (), do not () know IBM OS Job Control Language (JCL).

I do (), do not () know FORTRAN.

Return this form to:

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