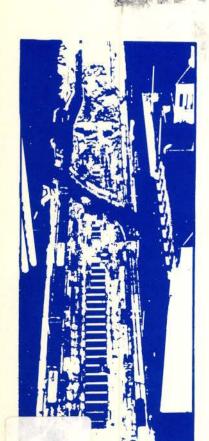


UMTA Technical Assistance A Guide for Users

Spring 1984











UMTA Technical Assistance Program

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1984

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UMTA TECHNICAL ASSISTANCE A GUIDE FOR USERS

Spring 1984

U.S. Department of Transportation Urban Mass Transportation Administration

14604

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Introduction to the Technical Assistance Program

The Urban Mass Transportation Administration (UMTA) technical assistance program is a resource for transit operators, State and local governments, and private industry for improving transit productivity, reliability, safety, and operations; for reducing costs, particularly in operations and maintenance; for enhancing the use of information, such as Section 15 National Urban Mass Transportation Statistics and local management information systems; for better planning techniques for assessing impacts of fare, route, and schedule changes; and for more reliable and efficient equipment. The program encompasses UMTA's research, development, deployment, demonstration, engineering applications, safety, information and statistics collection, management techniques, planning and analytical methods, university research, and external training efforts. The program is authorized under Sections 6, 10, 11, 320, 3(a)(1)(C), 4(i), 22, and 15 of the Urban Mass Transportation Act of 1964, as amended.

Under Section 6, the Department undertakes research, development, and demonstration projects to improve mass transportation service, to contribute toward meeting total urban transportation needs at minimum cost, or to assist in the reduction of urban transportation needs.

Under Section 10, the Department provides managerial training to increase the performance capabilities of managerial, technical, professional, and supervisory personnel in the mass transit industry and related public sector areas.

Under Section 11, the Department undertakes a university research and training program to utilize and strengthen the capabilities of the academic community and make a significant contribution to meeting the transit industry's current and future professional and managerial personnel needs. A substantial portion of this research is now carried out by the newly designated Centers for Transit Research and Management Development.

Section 3(a)(1)(C) is a subsection of the Section 3 discretionary grant program and was enacted to encourage the transit industry to introduce new technology; a parallel program, Section 4(i), also using Section 3 funds, provides opportunities for the adoption of innovative operating and management techniques. The departmentally initiated New Bus Equipment Introduction (NBEI) program uses Section 3 resources to enhance bus equipment and subsystems through demonstrations of proven technology.

Under Section 320, authority is given for a demonstration project using high-speed waterborne transportation equipment and facilities operating in the vicinity of New York City to determine the feasibility of utilizing this technology in providing certain public mass transportation service.

Section 22 authorizes the Secretary of Transportation to investigate conditions in any facility or any equipment or manner of operation financed under the Act which the Secretary believes creates a serious hazard of death or injury.

INTRODUCTION TO THE TECHNICAL ASSISTANCE PROGRAM (Continued)

Section 15 provides for the establishment by the Department of a uniform system of transit accounts and records and of a reporting system for the collection and dissemination of public mass transportation financial and operating data by uniform categories. Section 15 prohibits the Secretary from making any grants under Sections 5 and 9 unless the applicant for the grant and any beneficiary thereof are subject to the reporting system and the uniform system of accounts and records.

General Information

UMTA Organization

The UMTA technical assistance program is administered by the Associate Administrator for Technical Assistance. A current directory of the management staff is provided in Appendix A of this document.

UMTA Regional Offices

An important entry point for assistance in locating sources of information and in obtaining technical assistance is the UMTA regional offices. A directory of the regional offices' staff responsible for technical assistance is provided in Appendix B.

Finding Documented Research

The Urban Mass Transportation Information Service (UMTRIS) can retrieve abstracts on any transit-related subject from its extensive computer data base. UMTRIS, which is part of TRIS (Transportation Research Information Service), includes articles, reports, statistical sources, and software produced worldwide. UMTRIS went on line in 1982 and is accessible through Lockheed's DIALOG. It is administered by the Transportation Research Board (TRB) at the National Academy of Sciences-National Research Council. Contact Fred Houser. (202) 334-3263.

Abstracts of UMTA Reports

Abstracts are available from the Transit Research Information Center (TRIC) at UMTA's Office of Technical Assistance. <u>UMTA Abstracts</u>, printed bimonthly, can also be obtained from TRIC, as can 6-month cumulative editions and other specialized bibliographies. Contact Marina Drancsak or Winnie Muse, (202) 426-9157.

Directory of Active Technical Assistance Projects

Innovation in Public Transportation is published each fiscal year and contains about 200 pages. Charts give all projects approved, with number, date, funding, schedule, contractor, and contact person. Bibliographies list recent technical reports on the projects with information on where each may be obtained, including the National Technical Information Service (NTIS) number if available at time of publication. While the supply lasts, single copies of Innovation may be obtained by sending a self-addressed label to: U.S. DOT/TSC, Office of Technology Sharing (DTS-31), Kendall Square, Cambridge, MA 01923.

GENERAL INFORMATION (Continued)

Technical Assistance Briefs

Bulletins which report recent results of UMTA technical assistance projects in planning, management, service and methods, and technology are available from Public Technology Inc. (PTI). PTI maintains a subscriber list for each of the subject areas. These are not periodicals but are prepared as useful information is obtained from ongoing projects. Contact Peter Bine, (202) 626-2400.

Technical Reports

Hard copies of UMTA-sponsored project reports are available from NTIS. For regular orders, call (703) 487-4560; for rush orders, call (703) 487-4700. To order by mail, write: U.S. Department of Commerce, National Technical Information Service, 5285 Port Royal Rd., Springfield, VA 22161.

Productivity Initiatives for Transit Operations

If you are seeking opportunities or insights about how to improve productivity within your transit operation, join the Productivity Initiatives program sponsored by UMTA and the American Public Transit Association (APTA). The program provides several "quick response" approaches to identifying, assessing, and improving maintenance management, strategic planning, human resources development, and service planning. Call Brian McCollom, UMTA, (202) 426-9271 or Bob Stanley, APTA, (202) 828-2872.

National Data Base of Transit Statistics

Section 15 of the Urban Mass Transportation Act as amended, establishes a reporting system to assist in meeting the needs for information on which to base planning for public transportation services and to make public sector investment decisions at all levels of government. Grantees are required to submit complete Section 15 financial and operating data reports within 120 days of the end of their fiscal year. The data are collected, reviewed, maintained, and disseminated in an annual report, National Urban Mass Transportation Statistics, Section 15 Annual Report, and on computer tapes by the Office of Information Services. With the passage of the Surface Transportation Assistance Act of 1982, apportionment by UMTA of Section 9 funds for urbanized areas of 200,000 or more inhabitants is based in part on data contained in the Section 15 annual report. The Office of Information Services works closely with transit agencies reporting under Section 15 and with the myriad of Section 15 data users to reduce the reporting burden and to develop, improve, and promote applications of the data. The Section 15 Reporting System Advisory Committee is UMTA's first and only

GENERAL INFORMATION (Continued)

advisory committee. It is an important new element in the continuing process to make these national statistics more useful. The committee charter meeting was held in June 1983. Members represent a cross section of Section 15 data users charged with investigating the quality and usefulness of the Section 15 reporting system. Contact Rhoda Shorter, (202) 426-9157.

Planning and Operations Analysis

Technical Approaches to Conducting Major Transit Investment Studies (Alternatives Analysis)

Familiar with the variety of manual and computer-aided methods and associated training available to accomplish such studies? For technical guidance documents to organize the preparation of such studies, contact Granville Paules, (202) 426-9271.

Small Urban or Rural Transit Operator (Section 18 Eligible)

For information on computers useful in managing your operation, call Tom Hillegrass, (202) 426-9271.

Scheduling and Operating a Paratransit System

For information on computer-aided approaches to scheduling and operating paratransit systems, including tracking of clients for financial management, call Ed Neigut, (202) 426-9271.

A Quick Response to Questions about Computer Use for Transportation Planning

The Urban Transportation Planning System (UTPS) Support Center is a coordinated clearinghouse for software, technical manuals, and training materials; it provides a toll-free hotline, (800) 638-8747. Also, 5-day training courses teach the latest computerized and manual analysis procedures. Contact David Levinsohn, (301) 933-9211.

A Clearinghouse for Documents on Transportation Planning and Transit Operations Analysis

Many manuals and user's guides developed as part of UMTA's program are available through Price, Williams and Associates. Contact Paget Donnelly, (202) 587-3939.

Help in Selecting and Using a Microcomputer for Transportation Planning or Transit Management Support

The Microcomputer in Transportation Planning (MTP) User Group and Support Center focuses on professionals in transportation planning; with 500 member organizations, it is based at the Transportation Systems Center (TSC). It provides user group bulletins, review and distribution of public-domain software, software product directories, and a telephone advisory service. Contact Mike Couture, (617) 494-2247.

PLANNING AND OPERATIONS ANALYSIS (Continued)

Special Studies on Transportation Planning

Special Studies on Transportation Planning's (SSTP) subjects include financing, service, management, energy, environmental impact, and more. Contact Richard Steinmann, $(202)\ 426-6385$.

Management and Service

Fare and Pricing Policies

UMTA sponsors a Resource Center on Transit Pricing which provides service and methods evaluation reports, policy studies, and telephone consultation. The Center can also arrange for expert onsite technical assistance in pricing and fare policies, fare structures, and fare collection techniques. Contact Sue Knapp at Econometrics Inc., (301) 652-2414. For information about participating in UMTA projects, contact Bert Arrillaga or Stewart McKeown at UMTA, (202) 426-4984.

Transportation Services for the Elderly and Handicapped

A full complement of fixed-route and special service alternatives has been documented under the Service and Methods Program. Information about current projects may be obtained from Patricia Cass at UMTA, (202) 426-4984. For reports, see Service and Methods Reports below.

Marketing

Information on current demonstration projects and on an UMTA-sponsored clearinghouse for interchange of marketing materials may be obtained from Bert Arrillaga at UMTA, (202) 426-4984.

Paratransit Brokerage, Ridersharing, Rider Information, and User Subsidies

Information on service and methods project evaluations and ongoing demonstrations may be obtained by contacting Larry Bruno or Mary Martha Churchman at UMTA, (202) 426-4984.

Conventional Transit Service Innovations

Priority techniques, auto restricted zones, busways, and other service and service reliability improvements are continually being demonstrated and evaluated as service and methods projects. Information on findings and ongoing projects may be obtained by contacting Joseph Goodman at UMTA, (202) 426-4984.

Rural Transportation

A newsletter and access to information networks on rural transportation may be obtained from "Rural America." Contact Barbara Price, (202) 659-2800. Information on current UMTA rural transportation planning and service evaluation projects may be obtained from Roger Tate at UMTA, (202) 426-4984.

MANAGEMENT AND SERVICE (Continued)

Technical Assistance Briefs

Current findings of UMTA projects in service and methods innovations are reported frequently in a series of 1-page bulletins. Contact Peter Bine at Public Technology Inc. to obtain copies, (202) 626-2400. Another series of briefs summarizes the results of UMTA-sponsored projects in management and human resources. Peggy Schwarz at Public Technology Inc. is the contact for a subscription to this series, (202) 626-2465.

Service and Methods Reports

UMTA maintains a quantity of hard copies of recent technical reports in this field for distribution to public agencies. While supplies last, copies may be obtained free of charge by sending a self-addressed mailing label to: U.S. DOT/TSC, Service Assessment Division (DTS-64), Kendall Square, Cambridge, MA 02142. A current bibliography is also available. For information on report availability, contact Terry McTague, (617) 494-2377.

Host Program

Arrangements have been made for transit and local government officials to conduct site visits of several successful service innovations. This program is administered by Public Technology Inc. Contact Peter Bine, (202) 626-2400.

Bus and Paratransit

Information about Improved Subsystems

For technical documents describing improved subsystems that can increase efficiency and reduce cost, contact Vincent DeMarco, (202) 426-4035.

Workshops

The twice-yearly Bus Workshops create awareness of problems, current studies, and projects and enable participants to obtain technical assistance. Contact Ray Lopez, (202) 426-8483, or Vincent DeMarco, (202) 426-4035.

Bus Technology Liaison Board

A group of transit members meets annually to advise on work in progress and on technical assistance methods and priorities and to discuss problems and projects. The board is sponsored by APTA. Contact Thomas Norman, (202) 426-4035.

New Bus Equipment and Innovation Introduction

The New Bus Equipment Introduction and 3(a)(1)(C), 4(i) programs solicitation annually requests letters of interest from operators and manufacturers as to what new technologies are needed in transit buses. Contact John E. Ridgley, (202) 426-8483.

Maintenance Facilities and Equipment

For technical documents about cost-reducing approaches for maintenance facilities and equipment, contact Ray Lopez, (202) 426-8487, or Vincent DeMarco, (202) 426-4035.

New and Improved Propulsion Systems

For technical documents about new and improved propulsion systems, contact Pat Sullivan, (202) 426-8483.

An Elderly and Handicapped (E&H) Technology Clearinghouse

The Technology Information Clearinghouse for E&H Local Transportation Options, at the Transportation Systems Center, offers telephone and onsite assistance, peer-matching referrals, brochures, document distribution, training courses, and workshops. Contact Robert Berk, (617) 494-2347, or Ross Adams, (202) 426-9267.

Rail and Construction

Specification Guidelines for Railcars

The <u>Light Rail Transit Car Specification Guide</u>, developed through the transit industry and sponsored by UMTA, is available through NTIS. The NTIS number is PB 82-190737. (See General Information.)

Noise Abatement Information and Advice

An Urban Rail Noise Information Center, sponsored by UMTA, has been established at TSC. Available from this center are two publications, the <u>Handbook of Urban Rail Noise and Vibration Control</u> and the <u>Acoustical Materials Compendium</u>. Also available are telephone consultation, peer-matching referral, and, on occasion, onsite assistance. Contact Michael G. Dinning, (617) 494-2506, or Paul Spencer, (202) 426-0090.

Wheel/Rail Wear Solutions

The Wheel/Rail Wear Investigations programs offer onsite support. Contact Paul Spencer, (202) 426-0090, or Charles Phillips, (617) 494-2791.

Fare Collection Workshops

State-of-the-art needs and problems are addressed at the Fare Collection Workshops given periodically. Contact Walter Kulyk, (202) 426-9264.

Electromagnetic Interference/Electromagnetic Compatibility (EMI/EMC)

Workshops and site visits are held several times yearly. Contact Ronald Kangas, (202) 426-9264.

Help with Problems of Electromagnetic Interference and Compatibility

Technical reports, bulletins, telephone consultations, peer-matching referrals, onsite assistance, workshops, and training courses are available through the Rail Transit and Electromagnetic Interference and Compatibility program. Contact Lennart E. Long, (617) 494-2891 or 2070, or Ronald Kangas, (202) 426-9264.

Standardized Guideline Documents for Testing Intrasystem Electromagnetic Compatibility Between Vehicular Power and Signaling Subsystems

UMTA and APTA have made progress in this field. Guidelines can be requested from the Land Transportation Committee of the Institute of Electrical and

RAIL AND CONSTRUCTION (Continued)

Electronics Engineers (IEEE). For information, call Rudy Von Eck at Garrett AiResearch, (213) 512-4137; the mailing address is 2525 West 190th Street, Torrance, CA 90509.

Specifications on AC Propulsion System Design

Telephone consultations on propulsion system design specifications fon AC propulsion are available. Contact Raymond Wlodyka, (617) 494-2604.

Urban Construction Project

The National Academy of Sciences issued a study, Management of Urban Construction Programs, which was sponsored by UMTA. This study emphasizes sound management plans and identifies decisionmaking roles at all levels, presenting criteria for authority and responsibility. UMTA has conducted three seminars based on this report. Contact Raymond Williams, (202) 426-0090.

Cost Reduction Methods in Urban Construction

UMTA has been sponsoring several activities in the areas of construction management, value engineering, cost estimation models, and industry-based design practices. Useful products in these areas which can be obtained from UMTA and TSC include reports and technical briefs for UMTA grantees and others interested in construction. Typical studies of rail systems which may be of benefit to the metropolitan planning and grantee organizations are analyses of wrap-up insurance programs, management plans, and tunnel and station cost-estimating software. Contact Howard Evoy and Ray Williams, (202) 426-0090.

Hardwares in Track, Structures, Elevated and Tunnel Rail Systems, and Testing Devices for Structural Integrity

Research and development projects are undertaken to improve the performance, reliability, and safety of tracks, to reduce overall costs, and to optimize the use of rail transit track. Underground, at-grade, and elevated-structure track is considered. Contact Howard Evoy and Paul Spencer, (202) 426-0090.

Industry Contacts for Specific Questions on Rail Systems Design, Construction, and Maintenance

UMTA over the years has formed special rail systems advisory groups and industry liaison boards. For example, in cooperation with APTA and TRB, industry participation from transit authority engineers, managers, and transit consultants has

RAIL AND CONSTRUCTION (Continued)

resulted in several conferences and seminars. Much useful information is disseminated through Elevated Structures Liaison Boards (APTA), the Committee on Construction Management (TRB), and APTA's Ways and Structure Committee. Contact Howard Evoy, (202) 426-9264.

Research

National Cooperative Transit Research and Development Program (NCTRP)

NCTRP was developed to enable the transit industry to participate in identifying and resolving near-term transit research and development problems. The program is conducted by the Transportation Research Board of the National Academy of Sciences, APTA, the Urban Consortium for Technology Initiatives/Public Technology, Inc., and UMTA. Each year from January through March the NCTRP solicits new research ideas from the industry. A technical steering group then identifies priority topics, and the TRB defines the specific research projects and subcontracts for the work. An annual NCTRP Research Results Digest with synopses of results and of works in progress is put out by the TRB, which also issues approximately six NCTRP Reports a year. For information on NCTRP, call John Durham, (202) 426-9267.

Proposed Research Topics for NCTRP

See above. Either organizations or individuals may propose topics. Only a brief problem statement is necessary. For information on submitting topics for NCTRP research, contact Frank Cihak at APTA, (202) 838-2800.

Conducting NCTRP Research

See above. Again, either individuals or organizations may apply. The subjects of research are defined by the TRB, as was explained above. For information on submitting research proposals, contact Kreiger Henderson at the TRB, (202) 344-3227.

University Research

A portion of UMTA's Section 11 grants is awarded through an annual competitive process. Projects funded under this program include research on planning, design, construction, operation, and evaluation of transportation systems, as well as on the training of professionals in the transportation field. For information about submitting a research proposal, contact Judy Meade, (202) 426-0080.

Safety and Security

Safety and Security Education and Training

Courses are usually held quarterly at the Transportation Safety Institute (TSI) in Oklahoma City. Contact Gwendolyn R. Cooper, (202) 426-2896.

Safety Peer Review (for Rail Authorities)

Representatives from other transit systems will review your safety requirements, programs, and land analysis methodology. Contact Lloyd G. Murphy, (202) 426-2896.

Data on Accidents/Incidents (for Rail)

The results of the Safety Information Reporting and Analysis System (SIRAS) are published annually. There is currently no parallel collection of safety data for buses. Contact Lloyd Murphy, (202) 426-2896.

Safety Guidelines (for Rail)

Guidelines are developed to assist transit agencies to assess, develop, document, and improve the safety of transit systems. Contact Roy Field, (202) 426-2896.

Training

University Centers for Transit Research and Management Development

The University Research and Training Grant Program currently has nine Centers for Transit Research and Management Development that provide training in urban transportation management for practicing professionals. A summer workshop to expand the participation of faculty from minority institutions in transit training and research is conducted annually. Listed below are the centers and the contact person for each center. For additional information concerning UMTA's University Research and Management Training Program, contact Judy Meade, (202) 426-0080.

| The Centers | The Principals |
|--|------------------------------------|
| University of California at Irvine Irvine, CA 92717 | Dr. James Perry (714) 833-5448 |
| New York Institute of Technology Old Westbury, NY 11568 | Dr. Richard Dibble (516) 686-7722 |
| Portland State University Portland, OR 97202 | Dr. Kenneth Dueker (503) 229-4043 |
| The Wharton School University of Pennsylvania Philadelphia, PA 19104 | Dr. Howard Mitchell (215) 898-7818 |
| Texas Southern University Houston, TX 77004 | Dr. Naomi Lede (713) 527-7282 |
| Florida A&M University Tallahassee, FL 32307 | Dr. Addis Taylor (904) 599-3600 |
| University of Michigan Ann Arbor, MI 98109 | Dr. George Gamota (313) 764-6200 |
| Indiana University Bloomington, IN 47405 | Dr. George Smerk (812) 335-8143 |
| University of Wisconsin Milwaukee, WI 53201 | Dr. Edward Beimborn (414) 963-4978 |

Management Training Course Providers

A list of UMTA-endorsed management training course providers is located in Appendix C. Individual employees interested in furthering their professional

TRAINING (Continued)

development should contact the providers for detailed information on specific courses offered, fellowship eligibility, and Section 10 grant application forms. Upon the applicant's acceptance into a course, the agency by which he or she is employed submits the grant application to UMTA. Grant awards may cover up to 75 percent of course-related costs.

Bus Operator Instructor Training

Four times yearly such instructors receive Bus Operator Instructor Training to enhance their skills through the use of three training modules. Contact Charles T. Morison, Jr., (202) 426-0080.

Training Courses on Transportation or Transit Operations Planning

Inquire about Urban Transportation Planning System (UTPS) courses from Granville Paules, (202) 426-9271.

Training Courses on Various Transit Topics (Including Planning)

There will be over 30 courses on a wide range of topics given this year by UMTA's technical assistance program. For a list of topics, contact Granville Paules, (202) 426-9271.

Call for Training Program

The Call for Training Program prepares an annual announcement of potential training courses to be offered by the UMTA technical assistance program. Courses, sites, and dates are selected on the basis of responses to the announcement. In addition, the transportation community may call at any time to determine the availability of courses. For information, contact Granville Paules, (202) 426-9271.

Appendix A

OFFICE OF TECHNICAL ASSISTANCE--STAFF DIRECTORY

| Organiza Code | | Telephone (Area Code 202) |
|------------------|--|------------------------------|
| | | |
| URT-1 | Associate Administrator for Technical Assistance, | |
| | Peter Benjamin | 426-4052 |
| | Secretary, Brenda Williams | 426-4052 |
| JRT-5 | Administrative Support Staff, Diane Pisano, | |
| | Director | 426-9261 |
| JRT-6 | Safety and Security Staff, Lloyd G. Murphy, Chi | ef 426-2896 |
| JRT-2 | Deputy Associate Administrator for Engineering and | |
| | Applications, Frank K. Gimmler | 426-4047 |
| JRT-10 | Office of Systems Engineering (Fixed Guideway | |
| | Programs), Steven Barsony, Director | 426-0090 |
| JRT-11 | Urban Rail Division, Walter Kulyk, Chief | 426-0090 |
| JRT-12 | Technology Development Division, | |
| | Ronald Kangas, Chief | 426-9264 |
| JRT-20 | Office of Bus and Paratransit Systems, Tom Norm | an, |
| | Director | 426-4035 |
| JRT-21 | Vehicle Systems Division, Ramon Lopez, Chief | 426-8483 |
| JRT-22 | Subsystems Technology Division, Vincent | |
| | DeMarco, Chief | 426-4035 |
| JRT-3 | Deputy Associate Administrator for Management and | |
| | Demonstrations, Harold B. Williams | 426-4047 |
| JRT-7 | Information Services, Ronald Fisher, Directo | r 426-9157 |
| URT-30 | Office of Management Research and Transit | |
| | Services, W. H. (Ray) Lytle, Director | 426-4995 |
| URT-31 | Service and Methods, James Bautz, Chief | 426-4984 |
| URT-32 | Transit Management Division, | |
| | Philip Hughes, Chief | 426-9274 |
| URT-33 | Research and Training Division, | |
| | Frank Enty, Chief | 426-9274 |
| URT-40 | Office of Methods and Support, | New Control (Appression of |
| | Samuel Zimmerman, Director | 426-4991 |
| URT-41 | Methods Division, Granville Paules, Chi | |
| URT-42 | Analysis Division, Ross Adams, Chief | 426-9267 |

The mailing address for all of the above is: Department of Transportation, Urban Mass Transportation Administration, 400 Seventh Street, S.W., Washington, D.C. 20590.

Appendix B

UMTA REGIONAL STAFF RESPONSIBLE FOR TECHNICAL ASSISTANCE

Donald M. Bell (617-494-2729)
Director, Office of Planning
Assistance
UMTA Region I
55 Broadway, Kendall Square
Cambridge, MA 02142

Ken Vought (212-264-8162)
Manager, Engineering and Construction
Management
UMTA Region II
26 Federal Plaza, Suite 14-110
New York, NY 10278

Michael McCollum (215-597-8098)
General Engineer
Office of Management and Technical
Assistance
UMTA Region III
434 Walnut St., Suite 1010
Philadelphia, PA 19106

Gene Carroll (404-257-7850)
Director, Office of Management and
Technical Assistance
UMTA Region IV
1720 Peachtree Rd., N.W., Suite 400
Atlanta, GA 30309

P. Douglas Gerleman (312-353-2820) Technical Assistance Coordinator UMTA Region V 300 South Wacker Dr., Suite 120 Chicago, IL 60606 Blas Uribe (817-334-3836)
Director, Office of
Planning and Technical
Assistance
UMTA Region VI
819 Taylor St., Suite 9A32
Fort Worth, TX 76102

Charles Donald (816-926-5053)
Director, Office of Planning
Assistance
UMTA Region VII
6301 Rockhill Rd., Suite 100
Kansas City, MO 64131

Donald D. Cover (303-327-3242)
Director, Office of Transit
Assistance
UMTA Region VIII
Prudential Plaza, Suite 1822
1050 17th Street
Denver, CO 80265

Ervin Poka (415-974-7543)
Director, Office of Program
Management
UMTA Region IX
211 Main St., Suite 1160
San Francisco, CA 94105

Ricardo Ramon (206-442-4210) Regional Engineer UMTA Region X 3142 Federal Building 915 Second Ave. Seattle, WA 98174

Appendix C

URBAN MASS TRANSPORTATION ADMINISTRATION ENDORSED SHORT COURSES

The following programs have been endorsed by the Urban Mass Transportation Administration for support through fellowship grants under Section 10 of the Urban Mass Transportation Act of 1964, as amended. Information on course participation and fellowship eligibility can be obtained by contacting the organizations and individuals listed.

Participating Organizations

Institution: Indiana University

Center for Transit Research and

Management Development

809 E. Ninth St.

Bloomington, IN 47405

Course: Financial Management for Transit

<u>Contact</u>: Dr. George Smerk, (812) 335-8143

Jeanne Gunning, (812) 335-8143

Description A 2-week course in financial fundamentals,

planning, strategy, analysis, performance evaluation, risk management, cash and grant management for middle-to-upper-level transit

managers.

Institution: The Wharton School

University Center for Transit Research

and Management Development 3100 Steinberg Hall-Dietrich Hall

3620 Locust Walk/CC Philadelphia, PA 19104

Course: Urban Mass Transportation Management Seminars

in Human Resource Development

Contact: Dr. Howard Mitchell, (215) 898-7818

Description: A 1-week seminar introducing managers to

innovative concepts in information management relevant to the planning, design, and operation

of an efficient transit organization.

Participating Organizations

Institution:

University of California, Irvine Center for Transit Research and

Management Development University Extension

P.O. Box AZ

Irvine, CA 92716

Course:

Developing Effective Middle Managers

Contact:

Dr. G. J. (Pete) Fielding, (714) 856-5448

Peter Ring, (714) 856-6220

Description:

A 2-week seminar designed for middle managers in the western States combining general management principles with practical application to $\frac{1}{2} \frac{1}{2} \frac{$

the transit industry.

Institution:

Consult, Ltd. Suite 1518

307 N. Michigan Ave. Chicago, IL 60601

Course:

The Teaching Manager

Contact:

Ms. Barbara Shomaker, (312) 346-1567

Description:

A course designed to improve the communication skills of transit managers and supervisors, with a concentration on the ability to relay technical information as well as overall direction to

employees.

Institution:

Florida A&M University

Center for Transit Research and

Management Development Tallahassee, FL 32307

Course:

Skill-Building Course in Leadership and Management

Skills

Participating Organizations

Contact: Dr. Addis Taylor, (904) 599-3600

Description: A 5-day course designed to enhance abilities to

perform supervisory tasks with efficiency and

confidence.

Institution: University of Michigan

Institute of Science and Technology

Center for Transit Research and

Management Development 2200 Bonisteel Blvd. Ann Arbor, MI 98109

Course: The Essentials of Traffic Engineering for

Transit Managers

Contact: Dr. George Gamota, (313) 764-6200

James O'Day, (313) 764-0248

Description: A major emphasis of the course will be to

acquaint transit managers with, or update them on, traffic engineering actions which

will improve transit operations.

Institution: New York Institute of Technology

Center for Transit Research and

Management Development

Office of Transportation Programs

Old Westbury, NY 11568

Course: Labor Relations Training Workshop for Transit

Management

Contact: Dr. Richard Dibble, (516) 686-7722

Dr. Vincenzo Milione, (516) 686-7776

Description: Legal framework of labor relations at the transit

agency. Contract, grievance, arbitration, and

job actions are topics of the course.

Participating Organizations

Institution: Polytechnic Institute of New York

333 Jay St.

Brooklyn, NY 11201

Course: Training Program for Transit Middle Managers

Contact: Dr. Roger P. Roess, (212) 643-5526

Description: A hands-on, practical training seminar aimed at

the level of supervisors and assistant supervisors, using a case-study approach. Topics include labor relations, disciplinary and grievance procedures and their use, work planning and control, budget control, inventory control, and productivity. Cases

are taken from actual operating experiences.

Institution: National Mass Transit Institute

Clark Building, Suite 1904

717 Liberty Ave.

Pittsburgh, PA 15222

Course: The Art of Schedule Development and Design

Contact: Dr. William Montgomery, (412) 562-9668

Description: A 1-week seminar on techniques that will assist in

developing knowledge and skills in schedule writing

that can be translated into results.

Institution: Northeastern University

National Center for Transit Research

and Management Development

370 Common St. Dedham, MA 02026

Course: 32nd National Urban Mass Transportation Management

Seminar

Contact: Dr. Malcolm Campbell, (617) 329-8000

Participating Organizations

Description: This seminar is broken equally into three areas of

study: transit management, human relations, and management skills; it consists of lectures, work-

shops, and small group sessions.

Institution: Portland State University

Center for Transit Research and

Management Development

P.O. Box 752

Portland, OR 97202

Course: Labor Relations

Contact: Dr. Kenneth J. Dueker, (503) 229-4042

Dr. Sheldon Edner, (503) 229-4020

Description: Three-day course on alternative techniques for the

improvement of labor-management relations in

transit.

Institution: Texas Southern University

Center for Transit Research and

Management Development Urban Resource Center Houston, TX 77004

Course: Microcomputer Training for Transit Managers

Contact: Dr. Naomi Lede, (713) 527-7282

Larry Cooper, (713) 527-7925

Description: A 1-week workshop in hands-on computer training.

Institution: University of Wisconsin, Milwaukee

Center for Transit Research and

Management Development Division of Urban Outreach

P.O. Box 413

Milwaukee, WI 53201

Participating Organizations

Course: Transit Management Workshop

Contact: Dr. Edward Beimborn, (414) 963-4981

Description: This workshop is designed to develop managerial

skills through action-oriented situations promoting innovation, skill development, and interpersonal communications. Topics dealing with operations/planning, management, and technical aspects will be covered in approximately

96 hours of intense instruction.

Appendix D

LIST OF ABBREVIATIONS

APTA American Public Transit Association

DOT Department of Transportation

E&H Elderly and Handicapped

EMI/EMC Electromagnetic interference/electromagnetic compatibility

IEEE Institute of Electrical and Electronics Engineers

MTP Microcomputer in Transportation Planning

NBEI New Bus Equipment Introduction

NCTRP National Cooperative Research and Development Program

NTIS National Technical Information Service

PTI Public Technology Inc.

SIRAS Safety Information Reporting and Analysis System

SSTP Special Studies on Transportation Planning

TRB Transportation Research Board

TRIC Transit Research Information Center

TRIS Transportation Research Information Service

TSC Transportation Systems Center

UMTA Urban Mass Transportation Administration

UMTRIS Urban Mass Transportation Information System

UTPS Urban Transportation Planning System