

TECHNICAL ASSISTANCE AND SAFETY PROGRAMS

FISCAL YEAR 1991 PROJECT DIRECTORY

March 1992

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Federal Transit Administration

A MESSAGE FROM THE ADMINISTRATOR

The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA), signed into law by President Bush in December 1991, establishes new goals for the American transit industry. Reflecting the broader mandates of the transit program, the Urban Mass Transportation Administration was renamed the Federal Transit Administration (FTA).

As part of this change, a new, comprehensive transit planning and research program was put in place. This program includes a transit technology development program and establishes an Industry Technical Panel to assist in identification of priority technology development areas. A new Transit Cooperative Research Program (TCRP) was created which will perform "problem solving" research at the request of the transit industry.

A second Transit Planning and Research Priorities Workshop was held in Washington, D. C., December 11-12, 1991. These annual workshops assist in shaping the planning and research activities each year.

I have a strong belief that this expanded planning and research program will lead the way to a more comprehensive program which meets the needs of all segments of transit in this country, from operators to manufacturers to academia to users and the general public. The projects listed in this directory have been directed toward meeting these new transit goals. Once again FTA is working cooperatively with other agencies of the Federal Government, as well as State and local agencies and the private sector, to find new and more cost-effective ways of providing transit to everyone in this country, regardless of where they live, what their physical abilities are, or what their economic status may be.

This directory will provide you information on FTA grants on such programs as advanced public transportation systems, clean air, finance, human resources and productivity, information, regional mobility, rural transportation, safety and security, technology development, and transit accessibility. All are designed to help communities and transit operators in their efforts to give people the best possible service within available resources.

Brian W. Clymen Administrator

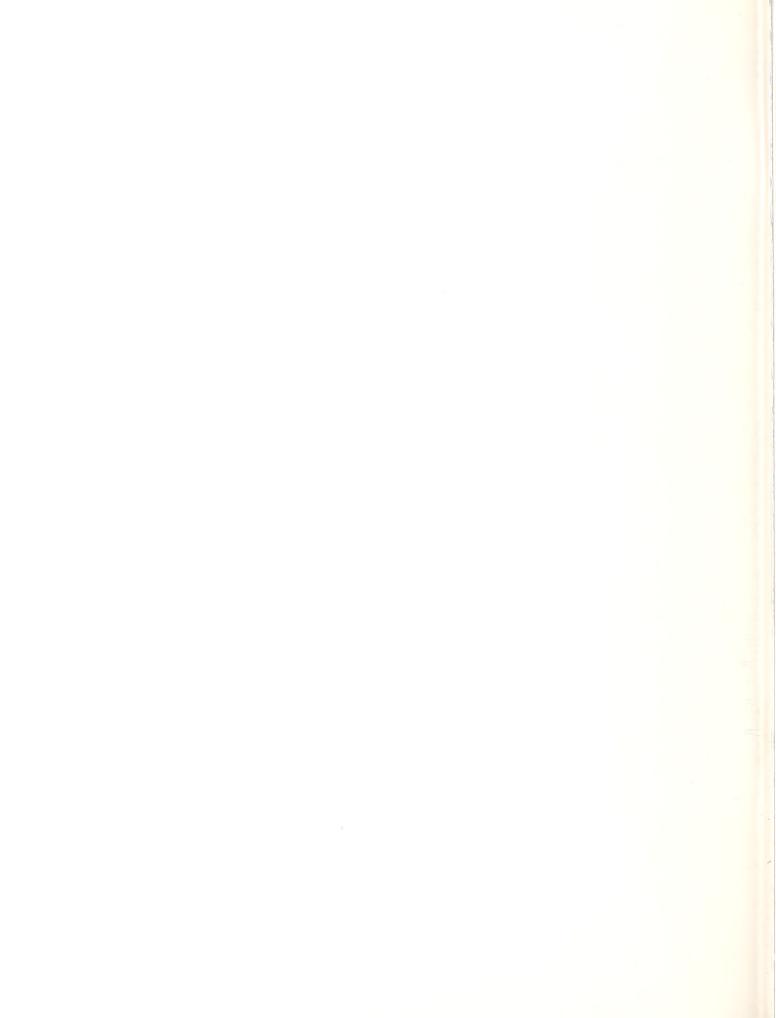


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INTRODUCTION

The National Planning and Research Program includes two categories of activities requiring a national focus. The first category includes activities in support of the Federal mission. Specific activities include directed research, pilot projects, and special initiatives to advance Federal mass transit policies and address transit issues of national concern. Research provides valuable guidance enabling the national transit program to reflect changing domestic conditions and budgetary priorities, laws, and regulations. Two Planning and Research Priorities Workshops have already been held by the Federal Transit Administration in order to better define the planning and research needs of the transit community.

The second category of activities requiring a national focus is support for technology development. Working closely with the Industry Advisory Panel required by the Intermodal Surface Transportation Efficiency Act of 1991, FTA will continue activities to bring about incremental improvements to existing transit systems. At the core of these developmental efforts was extensive industry consultation. The recommendations from the Industry Advisory Panel have been embodied in the framework of the technology program.

In the Panel's initial discussions, six priority areas for technology development were developed: reduce maintenance and operations costs; increase ridership, enhance safety and security, and improve access; support legislative mandates such as the Clean Air and Americans with Disabilities Acts; reduce vehicle weight and increase vehicle efficiency; transfer technology from other industries; improve information dissemination; and control capital costs.

The National Planning and Research Program is divided into, and managed under, eleven specific programs. Projects in each program represent (1) a mix of research, demonstrations, and studies in support of the development of innovative methods; (2) development and application of new technologies and evaluation; and (3) information dissemination. Innovative methods include those projects which deal with the operational and service concepts of providing transportation service; development and application of new technologies deals with transit hardware improvements and deployment; and evaluation and information consists of project evaluation and activities to share and disseminate information with the transit community in a timely fashion. Approximately one-third of the total program resource is allocated to each of these three areas of activity.

This Directory contains brief descriptions of Technical Assistance and Safety projects initiated during Fiscal Year 1991 by the Federal Transit Administration (FTA) of the U. S. Department of Transportation. Its purpose is to inform the public, and especially the transit industry, of the nature and scope of work underway to assist State and local agencies in improving

services and reducing the cost of public transportation. Under the Technical Assistance and Safety Program, assistance is provided under a number of programs, including Advanced Public Transportation Systems (APTS), Clean Air, Finance, Human Resource and Productivity, Information, Regional Mobility, Safety and Security, Technology Development, and Transit Accessibility.

Technical assistance is provided by FTA primarily in the form of information on, and sponsoring the development and introduction of, improved techniques. Information is disseminated by means of technical reports and by workshops and training courses. In addition to initiating development of new techniques, the Technical Assistance and Safety Program provides funding to help evaluate and introduce techniques and products developed by the private sector. FTA technical assistance concentrates on seeking broad applications to improve productivity, perform maintenance, and safety and security.

Another important role of FTA is to facilitate the flow of information on solutions and improvements which have been developed locally and which can be used by a large segment of the transit community. In this capacity, FTA assists the transit community by serving as a clearinghouse for current information on state-of-the-art and problem solving resources. FTA also sponsors various activities to expedite effective transfer of knowledge regarding new methods, initiatives, and techniques.

The current Technical Assistance and Safety Program is based on needs and problems expressed by State and local agencies through a number of channels, including conferences and workshops, such as the two recent workshops held in Kansas City and Washington, D. C., industry liaison boards, special user advisory groups, and general solicitations. The projects described in this volume are managed by the Associate Administrator for Technical Assistance and Safety. An alphabetical listing of project monitors is provided in Appendix D.

This directory was prepared by the Program Management Staff (TTS-5), Office of Technical Assistance and Safety, Federal Transit Administration, U. S. Department of Transportation, Washington, D. C. 20590. Copies may be obtained by contacting that office.

All media inquiries about these programs should be directed to the FTA Office of Public Affairs at the same address, or you may phone 202, 366-4043.

ADVANCED PUBLIC TRANSPORTATION SYSTEMS PROGRAM

The Advanced Public Transportation Systems (APTS) Program is structured to undertake research and development in order to utilize innovative applications of advanced navigation, information, and communication technologies that most benefit public transportation. A special IVHS-America technical committee on APTS has been formed to serve as the focal point for discussing program guidelines and candidate technologies for operations tests. Close coordination with the Federal Highway Administration will be an integral part of all multimodal projects.

Major public benefits are expected as the application of these technologies attracts travelers to transit and ridesharing modes, thus reducing traffic congestion, air pollution, and energy consumption.

Public transportation agencies have been active over the years in using certain of these technologies for communicating with and controlling their vehicle fleets. Automatic vehicle location (AVL) systems are in existence or being given serious consideration in dozens of U. S. cities. Yet the greatest opportunities for public transportation are just unfolding as private sector development of these technologies accelerates. Opportunities to better manage vehicle fleets and expand the market for public transportation are exciting possibilities for the '90's.

Congestion Mobility

Grantee/Contractor:

California State Department of Transportation, Division of

Mass Transportation Sacramento, California

Location:

\$30.000

Funding:
Project Monitor:

Ronald E. Boenau

Funding Source: Section 6
Project Number: CA-06-0242

Description:

This project provides an opportunity for the public and private sectors of the transportation industry to jointly test an audiotex/videotex based advanced traveler information system in suburban communities in California. The communication technologies of audiotex/videotex permit residential and business users to interact with remote computer systems over telephone lines to obtain transportation as well as other types of information.

Project Title:

Develop a Concept Plan for Information Services

<u>Grantee/Contractor</u>:

City of Anaheim, Public Works-Engineering Department

Location:

Anaheim, California

Funding:
Project Monitor:

\$100,000 Ronald E. Boenau Funding Source: Section 8
Project Number: CA-08-7012

Description:

The project will support the development of a concept plan and pre-project design for a real-time information service to be provided to travelers. The concept plan will include a variety of locations including bus stops, transfer centers, and information onboard transit vehicles.

Project Title:

Develop Multimodal Management Strategies

Grantee/Contractor:

Federal Highway Administration

Location:

Washington, D. C.

Funding:
Project Monitor:

\$100,000 Funding Source: Section 8
Ronald J. Fisher Project Number: DC-08-7007

Description:

This project will identify candidate real-time information processing strategies and scenarios, determine their utility and feasibility, and provide recommendations for further research, development, and operational test activities. A taxonomy of strategies and responsive multimodal transportation management scenarios shall be developed and considered for integration into intelligent vehicle-high-

way systems.

Grantee/Contractor:

Location:

Funding:
Project Monitor:

Bus Traffic Signal and Automatic Vehicle Location Study

Chicago Transit Authority

Chicago, Illinois

\$90,000 Funding Source: Section 6
Ronald E. Boenau Project Number: IL-06-0088

Description:

This project will study and evaluate automatic vehicle location and bus traffic signal preemption technologies and analyze their potential impact on auto traffic and bus operations in a corridor in Chicago.

Project Title:

<u>Grantee/Contractor</u>:

Location:

Funding:
Project Monitor:

Assessment of Automated Vehicle Locators and Smart Cards

Volpe National Transportation Systems Center

Cambridge, Massachusetts

\$150,000 Ronald E. Boenau Funding Source: Section 6
Project Number: MA-06-0196

Description:

Analyses include IVHS program planning and management, technology assessment, case study evaluation, analytical studies and information dissemination, and technical These provide information assistance. analyses will needed for the technologies of magnetic strip, smart cards, and other advanced card technology. The analyses will include possibilities of involvement by the financial industry or some other private sector business activities which could find it attractive to offer electronic fare collection services to transit operators. These technologies will be assessed and opportunities identified for operationally testing the most promising applications in the transit business.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Develop a Computerized Information System

University of Michigan Ann Arbor, Michigan

\$20,000 Sean Ricketson

Funding Source: Section 6
Project Number: MI-06-0052

Description:

This project is to support the efforts of the University of Michigan in developing specifications for designing, implementing, and evaluating a computerized information system. The system will aid a telephone information agent in rapidly identifying useful itineraries for passengers in a mass transit system. Algorithms which seek the most preferred itineraries will be investigated.

Grantee/Contractor:

Location:

Funding:
Project Monitor:

Ann Arbor Smart Card

Ann Arbor Transportation Authority

Ann Arbor, Michigan

\$130,000 Sean Ricketson Funding Source: Section 6
Project Number: MI-06-0053

Description:

This project will develop and evaluate a test of a mobility pass which allows the use of advanced card technology for transit or parking lot use. A set of evaluation criteria will be developed, as well as a set of transferrable specifications to be used to solicit bids on operational applications. Options to be considered include a personal security feature and continuous, real time monitoring of parking lot vacancy for traveler information.

Project Title:

Grantee/Contractor:
Location:
Funding:

Project Monitor:

Automated Paratransit Billing Demonstration

Regional Transit Board St. Paul, Minnesota

\$40,000 Sean Ricketson Funding Source: Section 6
Project Number: MN-06-0023

Description:

This project will evaluate the use of intelligent vehiclehighway systems technologies in paratransit service. The objectives are to determine appropriate "smart card" technologies in fare payment, evaluate potential use of "smart card" technologies to electronically administer metro mobility billings, and evaluate performance of transportation providers.

Project Title:

Grantee/Contractor:
Location:

Funding:
Project Monitor:

Computer Dispatch in the Paratransit Industry

University of North Carolina Chapel Hill, North Carolina

\$39,712

Ronald E. Boenau

Funding Source: Section 8
Project Number: NC-08-7001

Description:

This project will support the conduct of an analysis of computer dispatch technology in the paratransit industry. The data collected from this research will address the following goals: (1) to determine the current operating capabilities of computer dispatch systems; (2) to assess the costs and economic benefits of these systems; and (3) to determine the suitability of computer dispatch technology for transit applications.

Jackson County Mobility Manager Demonstration

Grantee/Contractor:

Rogue Valley Council of Governments

Location:

Central Point, Oregon

Funding: Project Monitor: \$380,000 Helen M. Tann Funding Source: Section 3 OR-03-4500 Project Number:

Description:

This project will demonstrate and validate the mobility manager concept that users, providers, and funding sources can be effectively linked together in a user-friendly way with electronic technologies, and that all transactions in

the system can be conducted using these technologies.

Project Title: Grantee/Contractor: Test Mobility Manager Concept for the State Washington State Department of Transportation

Location:

Olympia, Washington

Funding:

\$120,000

Funding Source: Section 3 Project Number: WA-03-4503

Project Monitor:

Helen M. Tann

Description:

This project will test key elements of the mobility manager concept by exploring opportunities to develop partnerships with community based transportation sponsors, such as local transit, school districts, and other State

supported programs.

Project Title:

Bellevue Smart Commuter

Grantee/Contractor:

Municipality of Metropolitan Seattle

Location:

Seattle, Washington

Funding:

Funding Source: Section 6 \$44,000 Project Number: WA-06-0039

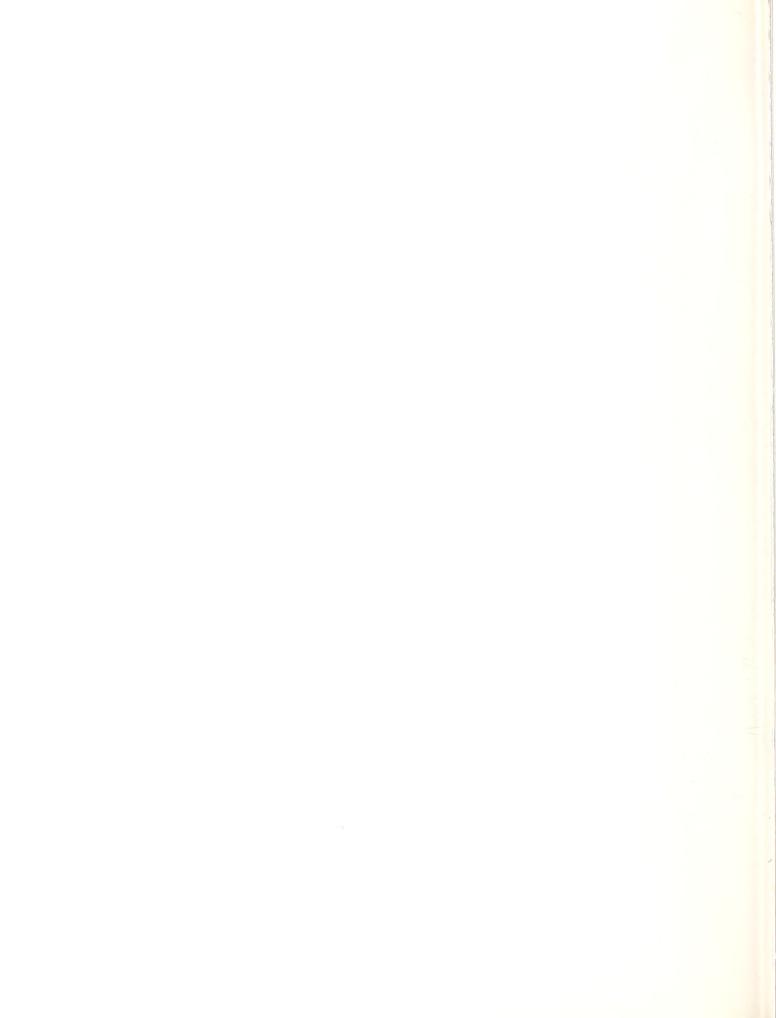
Project Monitor:

Ronald E. Boenau

Description:

This project will support the initial planning and design of an operational test project applying the capabilities of mobile telecommunications (for external cellular telephones) to the growth and efficiency of carpools and vanpools serving the central business district of Bellevue. Participation includes the Bellevue Transportation Management Association staff, private sector commuter the City of Bellevue, transportation coordinators.

brokers, transit, and suppliers.



CLEAN AIR PROGRAM

The Clean Air Program is designed to assist the Nation's urban areas and transit authorities in complying with the Clean Air Amendment of 1990 and the proposed National Energy Strategy Act through the deployment of cleaner diesel engine systems and alternative fueled engines in transit buses. This Program is consistent with the National Transportation Policy goal of protecting the environment and the quality of life.

Transportation has major impacts on the environment. Emissions from mobile sources are the greatest contributors to urban air quality problems. One-fourth of the Nation's total energy consumption and approximately two-thirds of the petroleum used go to fuel U. S. transportation needs. The continuing trend in the increase of vehicle miles traveled is outstripping existing emission reduction techniques.

The change to alternative fuels and clean diesel engine systems requires careful evaluation of their impacts on daily transit bus operations and maintenance, as well as the necessary support facility infrastructure. The documentation and evaluation of these impacts are being performed in cooperation with the Department of Energy under its Alternative Fuels Bus Program.

Grantee/Contractor:

Location:

Funding:
Project Monitor:

Evaluations of Alternative Fueled Engines Southern California Rapid Transit District

Los Angeles, California

\$500,000

Shang Q. Hsiung

Funding Source: S
Project Number: C

Section 6 CA-06-0244

Description:

This project will support the efforts of the Southern California Rapid Transit District to evaluate the durability and reliability of alternative fueled buses as compared to conventional diesel buses. Three different alternative fueled technologies will be assessed: methanol, compressed natural gas, and clean diesel engine systems.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Continuation of Phase II Fuel Cell

Department of Energy, Office of Transportation Systems

Washington, D. C.

\$1,000,000 Shang Q. Hsiung Funding Source: Section 6
Project Number: DC-06-0566

Description:

This Congressionally mandated program, in conjunction with the Department of Energy, is to determine the feasibility of a phosphoric acid fuel cell/battery propulsion system for urban bus applications. A 4-phase program has been jointly established with DOE. Phase I is designed to provide the proof-of-feasibility of such a system. Phase II encompasses the development of a system conceptual definition with supporting analyses.

Project Title:

Grantee/Contractor:

Location:

Funding:

Project Monitor:

Clean Air Program Outreach Activities National League of Cities Institutes

Washington, D. C.

\$75,000

Shang Q. Hsiung

Funding Source: Section 6
Project Number: DC-06-0661

Description:

This project will support the efforts of the National League of Cities Institute to provide outreach activities for the Clean Air Program. The outreach activities will include the development and preparation of printed materials in the form of newsletters, technical briefs, bulletins, fact sheets, etc., on the Clean Air Program.

Grantee/Contractor:

Location:

Funding:
Project Monitor:

Clean Air Program Data Collection and Evaluation Support

Volpe National Transportation Systems Center

Cambridge, Massachusetts

\$580,000

Shang O. Hsiung

Funding Source:
Project Number:

Section 6 MA-06-0212

Description:

This project will support the activities of the Office of Technical Assistance and Safety in the collection of data and the evaluation of projects under the clean air program. The project will include assisting grantees in setting up demonstrations and collecting, processing, and

reviewing monthly data.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Alternative Fuels Safety Review/Audit

Volpe National Transportation Systems Center

Cambridge, Massachusetts

\$350,000

Shang Q. Hsiung

Funding Source: Section 23
Project Number: MA-90-7004

Description:

This project will provide for the National Institute for Occupational Safety and Health to conduct health and safety audits at Triboro Coach, Seattle Metro, and the Southern California Rapid Transit District to evaluate the health and safety impacts of methanol in a transit environment. Similar on-site audits will be conducted for compressed natural gas (CNG) at Capital Metro in Austin

and for liquefied natural gas (LNG) at Houston Metro.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Full-Flow Trap Demonstration

New York Metropolitan Transportation Authority

New York, New York

\$200,000 George I. Izumi Funding Source: Section 6
Project Number: NY-06-0153

Description:

This project will support the efforts of the New York Metropolitan Transportation Authority demonstration to test and evaluate a diesel exhaust after-treatment particulate trap system on a New York City Transit Authority bus. This trap system utilizes a full-flow, non-bypass design which offers significant cost savings and reduced maintenance over the conventional dual trap with bypass

systems.

Grantee/Contractor:

Location: Funding:

Project Monitor:

Reduce Emissions on Older Buses

Miami Valley Regional Transit Authority

Dayton, Ohio

\$200,000 George I. Izumi Funding Source: Section 6
Project Number: OH-06-0058

Description:

The Miami Valley Regional Transit Authority has established a policy that requires buses in its fleets that have five more years of remaining life to be retrofitted to meet a diesel engine particulate emissions level of 0.1g/bhp-hr as the technology becomes available. This project provides funding for MVRTA to demonstrate and evaluate particulate trap and ethanol injector technology to reduce emissions of older diesel engines to meet the Environmental Protection Administration 1993 bus emission requirements.

FINANCE PROGRAM

One of the strategic plan priorities of the Federal Transit Administration is increase and stabilize transportation resources. To achieve this end, activities in the Finance Program provide information, tools, and techniques needed to (1) increase and stabilize financial capacity at all levels; (2) promote the development of intermodal transportation resources at the Federal, State, and local levels; (3) expand the use of intermodal pricing techniques; and (4) encourage diversification in the sources of transportation revenue, including private sector financing. Projects are designed financing innovations that are responsive to economic shifts, regulatory change, government policy, and market realities and which promote state-of-theart methods and techniques in financial planning and management.

This program has two components. The Joint Development component seeks a stronger financial tie between transit project development and land use. Efforts to reduce the public cost of transit system construction, produce revenue from value capture mechanics, and promote greater ridership through more efficient land use will be continued. The Financial Planning and Management component provides the structure to identify, develop, and exploit opportunities in the ever changing financial marketplace.

Reserved Parking Study

Grantee/Contractor:

Southern California Rapid Transit District

Location:

Los Angeles, California

Funding: Project Monitor: \$99,125 Edward L. Thomas Funding Source: Section 8 Project Number: CA-08-7004

Description:

This project will conduct planning studies to aid in the development of a reserved parking facility. This facility will be located adjacent to the planned metrorail Universal City Station and Universal Studios. The grantee will estimate the demand for and cost of the parking facility and evaluate the feasibility of parking for

patrons.

Project Title:

Denver Airport Mobility Plan

Grantee/Contractor:

Denver Regional Council of Governments

Location:

Denver, Colorado

Funding: Project Monitor: \$175,000 Salvator Caruso Funding Source: Section Project Number: CO-08-7002

Description:

This project will support a study to incorporate mobility tools, transportation system management strategies, and transportation demand management strategies into a development plan for the area surrounding the Denver airport.

Project Title:

Support FTA Financing Initiatives

Grantee/Contractor:

KPMG Peat Marwick

Location: Funding:

Washington, D. C. \$144.590

Project Monitor:

Funding Source: Section Edward L. Thomas Project Number: DC-08-7001

Description:

This project provides support for transit capital project development and financing, private sector participation, project evaluation, and suburban mobility activities.

Project Title:

Feasibility Study of Joint Development

Grantee/Contractor:

Metropolitan Rail

Location: Funding:

Chicago, Illinois

\$120,000 Ross W. Adams Funding Source: Section IL-08-7003

Project Monitor:

Project Number:

Description:

This project is a planning/feasibility study to assess the potential for joint commercial and retail development with parking using local public and private funds in a severely congested segment within suburban DuPage County, Illinois. This development is at the junction of the Metra-Burlington Northern Line and the North/South Tollway.

Training in Transit Finance

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding:
Project Monitor:

\$100,000 Edward L. Thomas Funding Source: Section 6
Project Number: MA-06-0203

Description:

Courses in finance for areas with small and mid-sized transit systems and areas that are developing major capital investments have been developed. This project will refine existing course materials and start course offer-

ings in the various FTA regions.

Project Title:

Support for Financial Reviews

Grantee/Contractor:

Dynatrend, Inc.

Location:

Woburn, Massachusetts

Funding:
Project Monitor:

\$79.959

Edward L. Thomas

Funding Source: Section 8
Project Number: MA-08-7001

Description:

This project provides task order support for transit capital project development and financing, private sector participation, project evaluation, and suburban mobility

activities.

Project Title:

Fixed Guideway Capital Cost Study

Grantee/Contractor:

Volpe National Transportation Systems Center

Location: C:

Cambridge, Massachusetts

Funding:
Project Monitor:

\$150,000 <u>Funding Source</u>: Section 8 Salvator Caruso <u>Project Number</u>: MA-08-7009

Description:

This project will provide FTA additional capital cost information for understanding national norms. Data on busways and automated guideway systems will be added to a database which has been developed on light rail transit systems. Areas which have implemented or which are

developing these systems will be involved.

Project Title:

Parking Feasibility Study

Grantee/Contractor:

Southeastern Pennsylvania Transportation Authority

: Philadelphia, Pennsylvania

Location: Funding:

\$135,000

Funding Source: Section 8

Project Monitor:

Gwendolyn R. Cooper

Project Number: PA-08-7004

Description:

This project will assist SEPTA in a study to examine the feasibility of building a parking structure at the Ardmore railroad station for commuters, shoppers, and municipal employees through a joint venture of SEPTA, Amtrak, Lower

Merion Township, and the business community.

HUMAN RESOURCE AND PRODUCTIVITY PROGRAM

The next ten years will see changing demands and requirements placed on the transit labor force. The objectives of the *Human Resource and Productivity Program* revolve around improving the performance and productivity of this labor force.

Changing technology, demanding new skills, training and retraining, and increased pressure to keep good employees in transit will characterize the FTA efforts in support of the industry's human resources needs. Recruiting and selection, training and education, and greater employee involvement on the job and in the workplace all play important roles in achieving overall transit goals of improved performance, increased mobility, and cost effective operation. The changing nature of the work force, reflecting an increase of women and minorities, will open up opportunities throughout the transit industry.

Linkages between the educational and technical assistance needs of the transit industry and resources available in the academic community need to be developed and sustained. Partnership models must be developed to promote career opportunities for students beginning at the high school level through college and university advanced degree programs. FTA will encourage linkages with other government agencies based on common interests related to assisting the transit industry develop and maintain a strong and competitive work force.

Impact of Americans with Disabilities Act on Special

Services

Grantee/Contractor:

The University of Arizona, The Drachman Institute

Location:

Tucson, Arizona

Funding:
Project Monitor:

\$77,000 <u>Funding Source</u>: Section 11 M. Marina Drancsak Project Number: AZ-11-0004

Description:

This project focuses on the full implication of the supplemental paratransit requirements. The research will assess, for each of twenty transit properties, changes in four specific areas impacted by the Americans with Disabilities Act supplemental paratransit requirement and the FTA definition of undue financial burden. The study will identify the reaction of the twenty largest special transit providers to the Americans with Disabilities Act, survey both large social service agencies and private providers in the twenty communities, and analyze the implications of the actions of the three groups.

Project Title:

Crisis Intervention Training Demonstration Metropolitan Transit Development Board

Grantee/Contractor: Location:

San Diego, California

Funding:
Project Monitor:

\$71,000 <u>Funding Source</u>: Section 6 Charles T. Morison Project Number: CA-06-0243

Description:

The Metropolitan Transit Development Board, in cooperation with San Diego Transit, will develop, implement, and evaluate crisis intervention training designed to provide bus operators with skills to deal with difficult situations. Understanding and using crisis intervention techniques will enable operators to control and mitigate potentially violent and dangerous situations.

Project Title:

Cashing Out Employer-Paid Parking Subsidies
The Regents of the University of California

Grantee/Contractor: Location:

Los Angeles, California

Funding:
Project Monitor:

\$77,000 <u>Funding Source</u>: Section 11
M. Marina Drancsak <u>Project Number</u>: CA-11-0035

Description:

This research focuses on the issue of tax exemption for employer-paid parking vis-a-vis the taxable cash alternative requirement to employer-paid parking in the Los Angeles area. The study will estimate the effect of offering employees a taxable cash travel allowance against employer tax-exempt parking subsidy.

employer tax-exempt parking subsidy.

Economics of Free Parking in Suburban Areas

Grantee/Contractor:

California Polytechnic University, Kellogg Unit Founda-

tion, Inc.

Location:

Pomona, California

Funding:
Project Monitor:

\$57,800 M. Marina Drancsak Funding Source: Section 11
Project Number: CA-11-0036

Description:

This study will focus on and provide case studies of parking economics at ten suburban work sites in Southern California. The project will result in a knowledge base on the economics of suburban workplace parking that could be used to evaluate current legislative proposals at the Federal and State levels, as well as in the City of Los Angeles, and could assist in developing effective and fair

policies.

Project Title:

Single Agency Training Grant
Regional Transportation District

Grantee/Contractor: Location:

Denver, Colorado

Funding:
Project Monitor:

\$100,000 Helen M. Tann Funding Source: Section 10
Project Number: CO-10-0024

Description:

The Regional Transportation District of Denver will offer its employees a training program entitled Leadership, Empowerment, Advancement, and Diversity. This program consists of the following three training tracks: (a) the effective transit supervisor, (b) the effective manager,

and (c) preparation for leadership.

Project Title:

University Transportation Centers Program

Grantee/Contractor:

Department of Transportation, Office of the Secretary

Location:

Washington, D. C.

Funding:
Project Monitor:

\$5,000,000 Funding Source: Section 11
Charles T. Morison Project Number: DC-11-1101

Description:

The purpose of this program is to continue the operation of one regional transportation center in each of the ten Federal regions. These centers are at the Massachusetts Institute of Technology, the City University of New York, Pennsylvania State University, the University of North Carolina, the University of Michigan, Texas A&M University, Iowa State University, North Dakota State University of California, and the University, the University of Washington. These centers conduct multimodal research, training, and technology transfer activities concerning the transportation of people and goods.

Validated Bus Operator Selection Test Grantee/Contractor: Transit Development Corporation, Inc.

Location:

Washington, D. C. Funding: \$450,000

Project Monitor: Charles T. Morison Funding Source: Section 20 Project Number: DC-20-2043

Description:

This grant will assist the Transit Development Corporation, in cooperation with the transit industry, to design, develop and implement a validated selection process for bus operators. The project will include a steering committee representing interested transit agencies across the U. S. The committee will oversee the project and assist in gathering baseline data and validation of final products. This project will have impact on productivity through the selection of bus operators better prepared to perform their duties.

Project Title:

Grantee/Contractor:

Location: Funding: Project Monitor: Single Agency Training Grant Metropolitan Dade Transit Agency

Miami, Florida

\$50,000 Helen M. Tann Funding Source: Section 10 Project Number: FL-10-0099

Description:

The Metropolitan Dade Transit Agency has undergone a comprehensive training assessment. Based on this assessment, they will offer their employees the following Managing Cultural Diversity, Extraordinary courses: Customer Relations, Train-the-Trainer, Discipline, Grievance Handling and Arbitration, Improving Supervisor/Subordinate Relationships, and Take Charge of Your Health.

Project Title:

Grantee/Contractor:

Commuter Rail State-of-the-Art

Florida International University, Labor Research and

Studies Center Miami, Florida

Funding: \$69,000 Project Monitor: M. Marina Drancsak Funding Source: Section 11 Project Number: FL-11-0018

Description:

Location:

This project will deliver a state-of-the-art document on current commuter rail systems in the United States. It will provide information on operations, fare collection, stations, maintenance facilities. patronage. railcars. parking facilities, and feeder systems. The Tri-Rail System of south Florida will be highlighted.

Statewide Training Grant

Grantee/Contractor:

Des Moines Metropolitan Transit Authority

Location:

Des Moines, Iowa

Funding:
Project Monitor:

\$100,000 Funding Source: Section 10 Helen M. Tann Project Number: IA-10-0023

Description:

The grantee, acting as recipient on behalf of other transit bus operators in the State of Iowa, will conduct training responsive to the needs of the participating

agencies.

Project Title:

Develop a Transit Management Institute Program

Grantee/Contractor:

Chicago Transit Authority

Location:

Chicago, Illinois

Funding:
Project Monitor:

\$75,000 Helen M. Tann Funding Source: Section 6
Project Number: IL-06-0089

Description:

The purpose of this project is to support the efforts of the Chicago Transit Authority to develop a practical training program aimed at key staff in Federal, State, and local transit agencies and the private sector. Through classroom observation and participation and field trips to CTA bus garages, rail terminals and maintenance facilities, the program will provide experience in the effective operation and management of the principal elements of

transit.

Project Title:

Statewide Training Grant

Grantee/Contractor:

North Carolina Department of Transportation

Location:

Raleigh, North Carolina

Funding:

\$50,000 Funding Source: Section 10

Project Monitor:

Helen M. Tann

Project Number: NC-10-0012

Description:

The North Carolina Department of Transportation will provide training for managerial, technical, and professional transit employees throughout the State. This training program includes such courses as Effective Management, Management-Productivity Skills, and Operation Management

for Transit.

Feasibility Study of Innovative Ridesharing Systems

Grantee/Contractor:

Essex County College of Higher Education

Location:

Newark, New Jersey

Funding: Project Monitor: \$84,000 Funding Source: Section 11 M. Marina Drancsak Project Number: NJ-11-0014

Description:

The objectives of this research are to investigate the feasibility of a flexible, real-time ridesharing system that can be developed on a national basis. Ways in which such a system can be incorporated into and accelerate the introduction of advanced traveler information and services and intelligent vehicle-highway systems concepts will be explored.

Project Title:

Community College Brokerage Demonstration Program

Grantee/Contractor: City University of New York Research Foundation

New York, New York

Location: Funding:

\$50,000 Charles T. Morison Project Monitor:

Funding Source: Section 6 Project Number: NY-06-0154

Description:

This project will assist the grantee in expanding its role as a broker of training and technical assistance to the transit industry by using resources available at community colleges. The City University of New York, the Region II develop will Transportation Center, a series internships and scholarships at selected community colleges, bringing together the interests of transit, the community college, and advanced degree programs. At the completion of the project, the Center will conduct a conference with the other nine transportation centers to highlight the project and reinforce the community college role as a technical assistance and educational resource.

Project Title:

Regional Training Grant

Grantee/Contractor:

New York Metropolitan Transportation Council

Location:

New York, New York

Funding: Project Monitor: \$125,000 Funding Source: Section 10 Helen M. Tann Project Number: NY-10-0253

Description:

This is a regional effort to bring together various public transportation providers to participate in activities that will benefit overall human resource development on a cost-effective basis. This program will be geared to providing proficiency in core skills, such as budgeting and finance, management, leadership, supervision and behavior, and personal skills.

Single Agency Training Grant

Grantee/Contractor:

Tri-County Metropolitan Transportation District of Oregon

Location:

Portland, Oregon

Funding: Project Monitor:

\$25,000 Funding Source: Section 10
Helen M. Tann Project Number: OR-10-0037

Description:

The Tri-County Metropolitan Transportation District of Oregon has undergone a comprehensive training assessment. Based on this assessment, Tri-Met will offer its employees courses in Management Effectiveness Training, Managing Diversity, Training the Trainer in Service Excellence, and

Safety Training for Supervisors.

Project Title:

Bus Accessibility Systems

Grantee/Contractor:

Oregon State University, Transportation Research Institute

Location:

Corvallis, Oregon

Funding:
Project Monitor:

\$84,000 <u>Funding Source</u>: Section 11 M. Marina Drancsak <u>Project Number</u>: OR-11-0007

Description:

Transportation Research Institute will develop a universal securement/restraint system that will accommodate all mobility aids (wheelchairs, scooters, etc.) in common use on public transportation systems. The research team will examine the current state-of-the-art in techoperating policies, and training to increase nology, for individuals with public transportation disabilities. It will then develop conceptual designs for technological solutions to problems identified in the study.

Project Title:

Single Agency Training Grant

Grantee/Contractor:

Dallas Area Rapid Transit

<u>Location</u>: Funding: Dallas, Texas

Project Monitor:

\$49,000 <u>Funding Source</u>: Section 10 Helen M. Tann <u>Project Number</u>: TX-10-0110

Description:

DART is providing training with such courses as Strategic Leadership, Project Management, Communication Skills, Time and Stress Management, Public Presentations, and Managing Effective Meetings.

<u>Project Title</u>: Measurement of Transit Benefits

Grantee/Contractor: University of Wisconsin-Milwaukee Board of Regents of the

University of Wisconsin System

Location: Milwaukee, Wisconsin

Funding: \$84,000 Funding Source: Section 11
Project Monitor: M. Marina Drancsak Project Number: WI-11-0013

<u>Description</u>: This research project will seek new or unorthodox ways to

supplement the traditional measure of user benefits. The methods will be explained in a report directed toward practicing planners, transit managers, and public offi-

cials.

INFORMATION PROGRAM

One of the top priorities of the Secretary of Transportation in implementing the Strategic Plan is to reinforce a strong information generation and dissemination role for the FTA. The *Information Program* focuses on three areas of recurring data needs: (1) factors affecting the demand for transit services, such as demographic change and urban traffic conditions; (2) factors affecting the operational and economic performance of transit operations; and (3) factors affecting transit investment needs, including new technology.

Printing Funds for Fiscal Year 1991

Grantee/Contractor:

Department of Transportation, Office of the Secretary

Location:

Washington, D. C.

Funding:
Project Monitor:

\$30,000 <u>Funding Source</u>: Section 6 Edith M. Rodano <u>Project Number</u>: DC-06-0395

Description:

Printing, distribution, and other work related to Office

of Technical Assistance and Safety project reports.

Project Title:

FTA National Conference Assistance

<u>Grantee/Contractor</u>:

Community Transportation Association of America

Location: Funding:

Washington, D. C.

Project Monitor:

\$25,000 Funding Source: Section 6
Gwendolyn R. Cooper Project Number: DC-06-0645

Description:

This project provided funding to CTAA to coordinate the FTA Annual Conference held in Orlando in May 1991 with their Community Transportation EXPO. The goal was to afford maximum opportunity to CTAA members to attend and benefit from the separate events at the lowest practicable cost, as well as to provide financial and technical assistance to CTAA to achieve an appropriate level of

coordination and integration.

Project Title:

Technical Assistance Through the Transportation Research

Board

Grantee/Contractor:

Transportation Research Board, National Academy of Sci-

ences

Location:

Washington, D. C.

Funding:
Project Monitor:

\$490,000 <u>Funding Source</u>: Section 6
John S. Durham Project Number: DC-06-0651

Description:

This project provides for the TRB Annual Meeting, committee meetings, publications, and newsletters. This project also will allow operation of the FTA Research Information Service which abstracts information and provides literature searches to both the government and the private

sector.

Project Title: National Electronic Information Resource Center

Grantee/Contractor: Indiana University
Location: Bloomington, Indiana

Funding: \$149,382 Funding Source: Section 8
Project Monitor: Frank E. Enty Project Number: IN-08-7001

<u>Description</u>: The goal of this project is to assist the efforts of

Indiana University to develop and implement a resource center which will permit public transit system operators to electronically access selected information databases. Such a center will provide an up-to-date listing of operational, technical, and policy related information of particular interest to transit board members, executives,

managers, planners, and technicians.

Project Title: FTA National Conference Assistance

Grantee/Contractor: Volpe National Transportation Systems Center

Location: Cambridge, Massachusetts

Funding: \$100,000 Funding Source: Section 6
Project Monitor: Gwendolyn R. Cooper Project Number: MA-06-0202

Description: This project provided support for the planning and conduct

of the 1991 FTA National Conference in Orlando, Florida.

Project Title: Small Business Innovative Research/Advance Fare Payment

Feasibility Study

Grantee/Contractor: Volpe National Transportation Systems Center

Location: Cambridge, Massachusetts

Funding: \$50,000 Funding Source: Section 6
Project Monitor: John S. Durham Project Number: MA-06-0209

Description: This project will determine the feasibility of advanced

fare payment media systems, such as smart cards, for transit. This project has been selected as a result of an FTA-wide solicitation of new research ideas conducted under the Department of Transportation Small Business

Innovative Research Program in Fiscal Year 1991.

Project Title: Extension for the Public/Private Transportation

Network

Grantee/Contractor: McDorman and Associates, Inc.

Location: McLean, Virginia

Funding: \$120,000 Funding Source: Section 6
Project Monitor: Bert Arrillaga Project Number: VA-06-0124

<u>Description</u>: This contract supports the technical assistance activities

of the Public/Private Transportation Network. The focus of this program is the adoption of exemplary practices in the mass transit files through the use of recognized experts who have experience in overcoming common problems.

<u>Project Title.</u> Additional Funds for the Public/Private Transportation

Network

Grantce/Contractor: McDorman and Associates, Inc.

Location: McLean, Virginia

Funding: \$480,000 Funding Source: Section 6
Project Monitor: Stewart N. McKcown Project Number: VA-06-0146

Description: The contract with MacDorman and Associates, Inc., to

operate the Public/Private Transportation Network commenced May 1, 1991. The PPTN provides technical assistance in the areas of competitive services, suburban mobility, entrepreneurial services and financing, and joint development to a wide range of groups, including transit agencies, private companies, management planning organizations, local planning agencies, trade associations, State and regional agencies, and transit entrepre-

neurs.

REGIONAL MOBILITY PROGRAM

The Regional Mobility Program provides technical assistance, develops planning methods, and conducts outreach, research, demonstrations, and project evaluations that assist local communities in improving regional transportation mobility through relatively low cost, innovative management strategies.

The Regional Mobility Program focuses on a variety of objectives that include: assisting local communities to reduce dependence on, and encourage alternatives to, single occupant auto travel in metropolitan areas; promotion of multimodal and intermodal planning and decision making aimed towards reducing traffic congestion and increasing mobility; encouraging a greater variety of transportation choices; encouraging private sector initiation of new transportation services; promoting competitiveness in transportation; and improving transportation productivity.

Efforts in Transportation Demand Management and Innovative Transportation Services will be directed to broaden the constituency that addresses mobility concerns and to focus national attention on mobility issues and the lowcost or non-capital strategies that can be used to mitigate traffic congestion. The Entrepreneurial Services Program will continue to support the provision of transportation services by private entrepreneurs in addition to creating several local centers for entrepreneurial development to foster the growth of local, private transportation service providers. include specific Services activities will studies, demonstrations, evaluations that focus on selected issues involving competitive contracting. The Rural Transportation Program will continue the national portion of the Rural Transit Assistance Program (RTAP) as well as joint activities with the Department of Health and Human Services.

Grantee/Contractor:

Location:

Funding: Project Monitor: Innovative Financial Management Workshops

Alabama Highway Department

Montgomery, Alabama

\$60,000 Pauline A. D'Antignac

Funding Source: Section Project Number: AL-08-7001

Description:

provide This project is to assistance for the development of training materials in the area innovative financing. The Alabama Highway Department, in conjunction with the Region IV Consortium, will develop a training workshop with appropriate training

materials in the area of financial management.

Project Title:

Grantee/Contractor:

Location:

Funding: Project Monitor: Joint FHWA/FTA Congestion Pricing

Southern California Association of Governments

Los Angeles, California

\$200,000 Joseph M. Goodman Funding Source: Section 6 Project Number: CA-06-0246

Description:

This project will support the development and implementation of a comprehensive, areawide, parking management/congestion pricing program. This program would reduce employee commuting by single occupant vehicles in mixed use suburban centers, while maintaining customer access and retail sales. The comprehensive program will include pricing strategies, transportation demand management actions, retail validation, etc.

Project Title:

Grantee/Contractor:

Location:

Funding: Project Monitor:

Transportation Demand Management Program San Diego Association of Governments

San Diego, California

\$400,000

Edward L. Thomas

Funding Source: Section Project Number: CA-08-7001

Description:

This project provides for the third year of a multi-year program to develop and implement a transportation demand management plan for a network of transportation management associations in North San Diego County. It will include development of a project management plan; identification, analysis, and evaluation of different transportation demand management strategies; and development and implementation of a marketing plan.

Grantee/Contractor:

Location: Funding:

Project Monitor:

Transit Subsidy Voucher Program

Southern California Association of Governments

Los Angeles, California

\$215,000 Funding Source: Joseph M. Goodman

Section Project Number: CA-08-7002

Description:

This project will develop and implement an employer transit subsidy voucher program similar to the New York transitchek It will City area program. identif v appropriate program structure, participants and level of participation, as well as implementation schedule and tasks, implement program, and determine the impact of the program in terms of private sector subsidies as well as transit ridership.

Project Title:

Grantee/Contractor:

Congestion Pricing Demonstration

California State Department of Transportation, Division

of Mass Transportation

Location:

Funding: Project Monitor: Sacramento, California

\$200,000 Walter Kulyk Funding Source: Section 8 Project Number: CA-08-7013

Description:

This project will support the efforts of the California Department of Transportation to test the feasibility of peak hour pricing strategies. This involves parking and the effectiveness in shifting commuting to off-peak hours and encouraging mode shift from single occupant vehicles. A second objective is to evaluate the acceptance of peak hour congestion pricing of selected parking spaces in a mixed-use business center environment.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Joint FHWA/FTA Telecommuting Development

Metropolitan Transportation Commission

Oakland, California

\$337,500 Joseph M. Goodman

Section Funding Source: Project Number: CA-08-7015

Description:

This project is to support the Bay Area telecommuting development program through the creation of one or two "satellite" telecommuting centers. The program examine the pros and cons of regional telecommuting centers verses home based telecommuting and other improved telecommuting as a means to reduce travel.

Head Start Component

Grantee/Contractor:

Community Transportation Association of America

Location: Washington, D. C.

Funding: Project Monitor: \$75,000 Funding Source: Section 20 DC-20-2042 Project Number: Roger Tate

Description:

The CTAA will continue an existing effort to conduct an analysis of human service transportation. CTAA will analyze and prepare sample cost data on transportation and developing a more detailed analysis of service delivery models (including a set of case studies).

Project Title:

Study Management of Bus Transit Systems

Grantee/Contractor:

Delaware Transportation Authority

Location: Funding:

Dover, Delaware

Project Monitor:

\$125,000 Funding Source: Section 8 Joseph M. Goodman Project Number: DE-08-7001

Description:

This project will undertake a study to develop recommendations for policies, methods and measures that will result in a permanent upgrading of bus services. It seems that many recent upgradings of bus service, such as HOV lanes, signal preemption, ramp metering, etc., have been eroded because of the failure to properly maintain and/or enforce the new bus facilities. This study will examine the reasons for the degradation of some kinds of bus service.

Project Title:

Innovative Services Implementation Plan Oahu Metropolitan Planning Organization

Grantee/Contractor: Location:

Honolulu, Hawaii

Funding:

Section 8 \$50,000 Funding Source: Project Number: HI-08-7001

Project Monitor:

Edward L. Thomas

Description:

The Oahu Metropolitan Planning Organization will continue working with the Leeward Oahu Transportation Management Association toward an implementation plan for central Oahu. The current phase is considering a model program of private sector services for improving access to line haul transit services and local distribution and a variety of transportation demand management strate-

gies.

Joint FHWA/FTA Automatic Vehicle Identification

Grantee/Contractor: Chicago Area Transportation Study

Chicago, Illinois

Location:

Funding: \$160,000 Funding Source: Section

Project Monitor:

Project Number: IL-06-0090 Joseph M. Goodman

Description:

This project will use an automatic vehicle identificasystem to collect traffic congestion information tion while the Kennedy Expressway is being reconstructed.

Project Title:

Joint FHWA/FTA Preferential Parking Chicago Area Transportation Study

Grantee/Contractor: Location:

Funding:

Chicago, Illinois \$60,000

Project Monitor:

Funding Source: Section 6 Joseph M. Goodman Project Number: IL-06-0091

Description:

This project will develop and implement a high occupancy vehicle preferential parking program at the Cumberland

Station of the Chicago Transit Authority.

Project Title:

Rural Transit Assistance Program National Program

American Public Works Association

Grantee/Contractor: Location:

Chicago, Illinois

Funding: Project Monitor: \$750,000 Funding Source: Section 18 Project Number: IT-18-X905 Roger Tate

Description:

This project will continue to assist the Rural Transit Assistance Program National Program. The objectives of the RTAP National Program are to: (a) promote delivery effective public transportation safe and nonurbanized areas; (b) make more effective use of public and private resources in the provision of rural transportation; (c) support the coordination of public service transportation; (d) foster the and human development of State and local capacity for addressing the training and technical assistance needs of the rural transportation community; (e) improve the quality of information and technical assistance available through national rural public development of a transportation databases; and (f) continue the RTAP National Resource Center with a toll-free hotline and electronic bulletin board.

Grantee/Contractor:

Location: Funding:

Project Monitor:

Joint FHWA/FTA Traffic Incident Management

Massachusetts Bay Transportation Authority

Boston, Massachusetts

\$250,000 Joseph M. Goodman

Funding Source: Section 6 Project Number: MA-06-0213

Description:

This project will establish a centralized facility that dissemination place for collecting serve as a traffic information generated by a variety of public and private entities. Incoming information will be used to detect and respond to traffic incidents and to share information about traffic conditions among all partici-

pants.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Implement a Guaranteed Ride Home Program Baltimore Regional Council of Governments

Baltimore, Maryland

\$60,047

Joseph M. Goodman

Funding Source: Section Project Number: MD-08-7002

Description:

This study is to support the efforts of the Baltimore Regional Council of Governments who will, in turn, aid the greater Baltimore-Washington International Airport Commuter Transportation Center to study, develop and evaluate a "guaranteed ride home" program in the BWI Airport area. The rational behind guaranteed ride home is to assist suburban workers who might want to rideshare or use transit but fear the possibility of being unable to get back home at other than their usual times when their normal commute mode is unavailable.

Project Title:

Grantee/Contractor:

Location:

Funding: Project Monitor: Joint FHWA/FTA Preferential Parking

Baltimore Regional Council of Governments

Baltimore, Maryland

\$60,000 Joseph M. Goodman

Funding Source: Section Project Number: MD-08-7004

Description:

This project will design and evaluate the effectiveness of preferential parking/parking fees for high occupancy vehicles using garage facilities in Towson, Maryland. The project will attempt to shift demand to more efficient modes in the local area, and will provide a case study which identifies the technical and socioeconomic parameters for establishing such parking initiatives in

activity centers.

Project Title: Joint FHWA/FTA Transit/Intelligent Vehicle-Highway

Systems

Michigan Department of Transportation Grantee/Contractor:

Location:

Lansing, Michigan Funding: \$50,000 Funding Source: Section MI-06-0054 Project Monitor: Joseph M. Goodman Project Number:

This project will support the efforts of the Michigan Description:

Department of Transportation to provide traffic congesinformation transfer with local public transit

agencies by using personal computers.

Project Title: Transportation Demand Management

Grantee/Contractor: Mid-America Regional Council

Location: Kansas City, Missouri

Funding: \$95,000 Funding Source: Section Project Monitor: Ross W. Adams Project Number: MO-08-7002

Description: This is a continuation of a previous project to promote

improved mobility in and around the College Boulevard corridor through the use of identified institutional arrangements and transportation management strategies that maximize both the business climate and the quality

of life in the area.

Project Title: Study of the Princeton Route 1 Corridor

Grantee/Contractor: New Jersey Department of Transportation

Location: Trenton, New Jersey

Funding: \$100,000 Funding Source: Section Project Monitor: Edward L. Thomas Project Number: NJ-08-7001

Description: This project will continue public/private initiatives

> established through the Route 1 corridor study and the suburban mobility seminar held on Route 1 Corridor mobility issues. The objective of the project is to identify the benefits of mixed use development as a tool

for mitigating suburban traffic congestion.

Grantee/Contractor:

Location:

Funding: Project Monitor: Study to Improve Public/Private Dialogue

New York Metropolitan Transportation Council

New York, New York

\$100,000 Salvator Caruso Funding Source: Section Project Number: NY-08-7009

Description:

This project is to assist the NYMTC improve the dialogue between public officials and private providers of transportation in the New York Metropolitan Area. This will be done by producing a newsletter relating to current activities in the transit planning region. private providers of transportation with transportation planning process, and developing

conducting an education and training program.

Project Title:

Grantee/Contractor:

Location:

Funding: Project Monitor: Long Island Mobility Management Program

New York Metropolitan Transportation Council

New York, New York

\$200,000

Salvator Caruso

Funding Source: Section 8 Project Number: NY-08-7010

Description:

This project will undertake an effort to improve the coordination of transportation services, and to stimulate public/private cooperative traffic reduction strategies on Long Island. This will be done through the establishment of the Long Island transportation management initiative which provides transportation demand management information and assists with the coordination

of transportation services.

Project Title:

Grantee/Contractor:

Location:

Funding: Project Monitor: Chickasaw Indian Nation Van Transportation Project

Chickasaw Nation Ada, Oklahoma

\$150,000 Roger Tate

Section 20 Funding Source: Project Number: OK-20-2001

Description:

This project is supporting the efforts of the Chickasaw Nation to develop a volunteer van transportation system to service elderly and low-income Native Americans who live on and off the reservation. It will demonstrate the use of partnership between the Federal Government and a community-based Native American organization to develop and maintain a transportation program to improve various services for older Native Americans. project has provided funding for three lift equipped vans, insurance, maintenance, stipends for drivers, and a transportation coordinator for the program. Operating costs will be financed by Chickasaw Nation resources.

Grantee/Contractor:

Location: Funding:

Project Monitor:

Implementation of Entrepreneurial Services

Mundle and Associates, Inc. Philadelphia, Pennsylvania

\$247,950 Stewart N. McKeown Funding Source: Section 6
Project Number: PA-06-0122

Description:

technical support contract will assist implementing initiatives. the FTA private sector Technical assistance will be provided to develop demonstrations in the areas of entrepreneurial services, and competitive suburban mobility. services. addition, support will be provided to evaluate these as well as other ongoing demonstrations and to disseminate project findings and other information.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Study of Parking Subsidies

Delaware Valley Regional Planning Commission

Philadelphia, Pennsylvania

\$75,000

Joseph M. Goodman

Funding Source: Section 8
Project Number: PA-08-7003

Description:

This project will study the effect that subsidized parking has on mode choice and develop multiple strategies to reduce parking subsidies and promote other modes such as transit and ridesharing. The DVRPC will undertake this effort in connection with the Cross County Connection Transportation Management Association of

Suburban New Jersey.

Project Title:

Grantee/Contractor:

Location:

Funding:
Project Monitor:

Joint FHWA/FTA Specialized Vanpool

Greenville Transit Authority
Greenville, South Carolina

\$110,000

Joseph M. Goodman

Funding Source: Section 6
Project Number: SC-06-0005

Description:

The Greenville Transit Authority will initiate a specialized vanpool/rideshare program. Five or six vans will be purchased and outfitted for the use of non-wheelchair bound users. Vanpools will be organized for handicapped users for work and non-work trips.

Traffic Mitigation Planning Study

Grantee/Contractor:

City of Johnson City

Location: Funding:

Johnson City, Tennessee

Project Monitor:

\$112,000 Effie Stallsmith

Funding Source: Section Project Number: TN-08-7001

Description:

project will develop parking management and allocation techniques designed to facilitate around a rapidly developing regional medical center. Numerous activities to encourage cooperation among major employers within the activity center will be planned, including formation of a transportation management

association.

Project Title:

Brentwood Transportation Amenities Study

Grantee/Contractor: Location:

City of Brentwood Brentwood, Tennessee

Funding: Project Monitor: \$92,225 Effie S. Stallsmith

Funding Source: Section Project Number: TN-08-7002

Description:

This project will determine the relationships between in-house amenities, trip making, and the use of alternate modes by analyzing employee use of in-house facilities and amenities at selected major companies. This project will build on a previous grant to the City of Brentwood which documented commuting trends, percep-

tions, and patterns.

Project Title:

Evaluation of Bus Maintenance and Cost

Grantee/Contractor:

Capital Metropolitan Transportation Authority

Location:

Austin, Texas

Funding: Project Monitor: \$125,000

Stewart N. McKeown

Funding Source: Section TX-03-4503 Project Number:

Description:

The primary objective of this project will be to provide assistance to Capital Metro to compare the cost of operation, maintenance, and service quality of a fleet of buses operated by a contractor with a similar fleet

of buses operated by a public operator.

Mobility Economy Index

Grantee/Contractor:

Brazos Valley Community Action Agency

Location: Funding:

Bryan, Texas

Project Monitor:

\$200,000 Funding Source: Section 6 Salvator Caruso Project Number: TX-06-0075

Description:

This project will support the efforts of the Brazos Valley Community Action Agency to develop a mobility economy index. The mobility economy index will provide local, regional, State, and Federal decision makers with significant information upon which major initiatives in

transportation development should be based.

Project Title:

Consortium for Regional Mobility Virginia Department of Transportation

Location:

Richmond, Virginia

Funding: Project Monitor:

Grantee/Contractor:

\$250,000 Gwendolyn R. Cooper Funding Source: Section Project Number: VA-08-7001

Section 11

Description:

This project will support the Consortium for Regional Mobility established in September 1988. The Consortium will conduct technical activities under this project which will enhance the planning process, add to the professional abilities of its members, disseminate new knowledge throughout the transportation community, and contribute to more effective leadership by the FTA in

the area of regional mobility.

Project Title:

National Center for Mobility

Grantee/Contractor:

George Mason University at Fairfax

Location:

Fairfax, Virginia

Funding:

\$200,000 Funding Source:

Project Monitor:

Project Number: VA-11-0018 Gwendolyn R. Cooper

Description:

This Center will serve as a model for the development of other regional centers concerned with suburban mobility issues and their resolution. Development of a national center for suburban mobility will focus attention on this issue and provide a unique resource for resolving mobility problems and promoting professional growth in this area.

Statewide Ridesharing Program

Grantee/Contractor:

Vermont Public Transportation Association

Location:

Funding: \$100,000

Funding Source:

Section 6 VT-06-0004

Project Monitor:

Elizabeth J. Solomon

Rutland, Vermont

Project Number: VT-0

Description:

This project fulfills a Congressional mandate to provide funding for a 1-year demonstration project for low income and elderly residents in isolated rural areas within the State of Vermont. It will provide assistance to the Vermont Public Transportation Association in Rutland to conduct and expand a Medicaid ride brokerage service into a Statewide ridesharing program which will focus on improving the transportation options for low income and elderly residents in rural areas of Vermont.

Project Title:

Joint FHWA/FTA Flexible Ride
Municipality of Metropolitan Seattle

Grantee/Contractor: Location:

Project Monitor:

Seattle, Washington

Funding:

\$45,000 Funding Source: Section 6
Joseph M. Goodman Project Number: WA-06-0040

Description:

This project will develop and implement a demand flexible carpool formation program. This program would test (1) a computer assisted on-site ride matching system, and (2) selected carpool incentives. It is a collaborative effort between South Seattle Community

College and METRO.

Project Title:

Joint FHWA/FTA Cash Travel Allowance Municipality of Metropolitan Seattle

Grantee/Contractor: Location:

Seattle, Washington

Funding:
Project Monitor:

\$50,000 Funding Source: Section 6
Joseph M. Goodman Project Number: WA-06-0041

Description:

This project will develop and implement a program to test and support the policy of employers offering their employees a cash travel allowance in lieu of the more typical routinely subsidized parking. Under this arrangement, the employee would be able to choose a travel mode without the undue influence of subsidized parking.

SAFETY AND SECURITY PROGRAM

The Safety and Security Program is designed to support transit industry actions that provide the highest practicable level of safety and security for the passengers and employees of the Nation's public transportation systems. Recognizing that safety and security are local responsibilities, this program trains transit professionals in the best contemporary safety and security programs and practices and publishes guidelines and models that can be used to design local procedures and measure local actions. Recognizing the non-regulatory authority of the FTA, this program encourages the use of locally sensitive oversight methods.

Grantee/Contractor:

Location:

Funding:
Project Monitor:

Law Enforcement Television Network Safety Videos

Federal Railroad Administration

Washington, D. C.

\$50,000 Funding Source: Section 6
Roy Field Project Number: DC-06-0647

Description:

This project provides funding to the Law Enforcement Training Network, a satellite television network, to write, produce, distribute and transmit fifteen video training programs for law officers. The training is applicable to rail systems, including their interface with highways. These films will stress the proper enforcement of highway/rail safety, especially at grade crossings.

Project Title:

Grantee/Contractor:

Safety and Security Training Program

Federal Aviation Administration, Transportation Safety

Institute

Location:

Funding:
Project Monitor:

Oklahoma City, Oklahoma

\$400,000 Funding Source: Section 6
Judy Meade Project Number: DC-06-0650

Description:

TSI will conduct, sponsor, and manage for FTA courses on mass transit security, bus and rail system safety, accident investigation, and advanced problems in accident investigation. In addition, TSI will assist the transit industry in training bus operators utilizing the "trainthe-trainer" concept. TSI will also continue to oversee special transit and rural transit safety and passenger assistance techniques.

Project Title:

Grantee/Contractor:

Location: Funding:

Project Monitor:

Printing and Distribution of Reports

Department of Transportation, Office of the Secretary

Washington, D. C.

\$20,000 Funding Source: Section 22 Edith M. Rodano Project Number: DC-90-P001

Description:

This project will provide additional funds for printing and distribution of reports resulting from the Section 22 safety investigation of the New York Metropolitan Transportation Authority. It is expected that information from and results of this safety investigation will provide vital information to transit agencies throughout the country.

Sustaining Expert Support

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding: Project Monitor: \$200,000 Funding Source: Section 6 Franz K. Gimmler Project Number: MA-06-0200

Description:

This project provides support for work statements, support safety reporting, development and/or revision of training courses, safety workshops, and quick response studies to assist in the determination of FTA positions or

policies.

Project Title:

Conference on Crime, Drugs, and Gangs

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding: Project Monitor: \$75,000 Funding Source: Section MA-06-0207 Project Number: Judy Meade

Description:

Transit security issues are frequently closely associated with conditions in the larger community. For example, an environment of gangs, drug abuse, and homelessness results in trespass and more serious security problems. This conference will explore the interrelationships among these conditions and cooperative programs to deal with them.

Project Title:

Transit Advertising Study

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding: Project Monitor:

Section 6 \$50,000 Funding Source: MA-06-0208 Rhonda M. Crawley Project Number:

Description:

This study, mandated by Congress, will identify transit advertising content and revenues in communities of over one million population. Relationships between cigarette, tobacco, and public service advertising will be explored.

Project Title:

Safety/Security Program Development

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding:

Section 6 Funding Source: \$150,000

Project Monitor:

Franz K. Gimmler Project Number: MA-06-0210

Description:

This project will design consultative mechanisms for industry input to the evaluation, selection, and struc-

turing of safety and security projects.

Safety Training Bulletin Board

Grantee/Contractor:

Project Monitor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts Funding: \$40,000

Rhonda M. Crawley

Funding Source: Section 20 Project Number: MA-20-0001

Description:

This project will gather, in a single computerized database, information on transit safety training opportunities across the country. An interactive computer display will be updated in real time by the providers of safety training. Additional information on safety, such as pending regulations and recently released reports, will also be

available.

Project Title:

Transit Security Synthesis

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding: Project Monitor: \$250,000 Judy Meade Funding Source: Section 22 MA-90-7001 Project Number:

Description:

This project is to investigate the nature and extent of transit related crime, evaluate effective countermeasures, and update security guidelines. Information on transit security will be obtained from various transit authorities to determine the extent of the problem. The information will supplement data obtained from the New York Section 22

investigation.

Project Title:

Review of Safety/Security Database

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding:

Project Monitor:

\$200,000 Funding Source: Section 22 Project Number: MA-90-7002 Ronald D. Kangas

Description:

This project will provide a comprehensive review and analysis of the collection process and content of existing safety/security information sources and recommend actions

to promote improvements.

Anti-Drug Implementation Procedures Grantee/Contractor: Montana Department of Commerce

Helena, Montana

Location: Funding: Project Monitor:

\$60,000 Elizabeth J. Solomon

Funding Source: Section 6 Project Number: MT-06-0004

Description:

This project will assist in developing, producing, marketing, and distributing nationally 750 "Black Box" drug kits. These kits will assist rural transportation providers and others in implementing drug testing procedures. Each kit consists of a training video, material for drug testing training, and guideline material for setting up drug testing programs.

Project Title:

Grantee/Contractor:

Location:

Funding: Project Monitor: State Public Transportation Safety Oversight New York State Department of Transportation

Albany, New York \$250,000

Rov Field

Funding Source: Section Project Number: NY-08-7008

Description:

This project provides assistance for preparing model case studies of certification and auditing of transit system safety programs. Material from program reviews, audits, and investigations will be assembled and disseminated to assist the industry regarding the function and benefit of State oversight of public transit safety.

Project Title:

Section 22 Safety Investigation of the New York Metropoli-

tan Transportation Authority

Grantee/Contractor:

Location:

Funding: Project Monitor: Battelle Memorial Institute Columbus Laboratories

Columbus, Ohio

\$2,586,000 Funding Source: Section 22 Ronald D. Kangas Project Number: NY-90-A001

Description:

This effort is for the investigation of the New York City Transit Authority and Staten Island Rapid Transit Operating Authority rapid rail systems. The investigation includes all elements related to the operation of the rail systems. This includes work in operations, maintenance, abuse, training, structures, security.

facilities, systems safety management, etc.

Section 22 Safety Investigation of the New York Metropoli-

tan Transportation Authority

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding:
Project Monitor:

\$587,000

Ronald D. Kangas

Funding Source: Section 22
Project Number: NY-90-A002

Description:

The objective of this effort is to provide technical assistance for carrying out a safety investigation of the New York Metropolitan Transportation Authority and its operating elements. This investigation will include NYMTA

management and operating elements.

Project Title:

Section 22 Safety Investigation of the New York Metropoli-

tan Transportation Authority

Grantee/Contractor:

Booz, Allen and Hamilton, Inc., Transportation Consulting

Division

Location:

Philadelphia, Pennsylvania

Funding:
Project Monitor:

\$1,304,143 Ronald D. Kangas Funding Source: Section 22
Project Number: NY-90-A003

Description:

The effort being conducted under this contract is for the investigation of the Metropolitan Suburban Bus Authority and New York City Transit Authority bus transit systems. The investigation includes all elements relating to the operation of the bus systems, including operations, maintenance, substance abuse, training, procurement,

security, etc.

Project Title:

Section 22 Safety Investigation of the New York Metropoli-

tan Transportation Authority

Grantee/Contractor:

Location:

Interactive Elements, Inc. New York, New York

Funding: Project Monitor:

\$818,341 <u>Funding Source</u>: Section 22 Ronald D. Kangas Project Number: NY-90-A004

Description:

This effort is for the investigation of the Long Island Railroad and Metro North Commuter Rail systems. The investigation includes all elements related to the operation of those rail systems that are not under the authority or responsibility of the Federal Railroad Administration. This includes work in security, station facilities,

systems safety management, etc.

TECHNOLOGY DEVELOPMENT PROGRAM

The objective of the Technology Development Program is to introduce new technology to the transit industry, and thereby assist in making the transit industry more cost-effective and its service more reliable. This program is designed to meet the goal of optimizing the use of funds for the design, maintenance, construction, reconstruction, and purchase of equipment used by U. S. transit systems, with emphasis on technology innovation.

FTA provides millions of dollars annually for the purchase and rehabilitation of advanced buses, railcar rolling stock, and fixed facilities under various grant programs. The *Technology Development Program* consists of projects that will result in reduced capital and operating costs and improved transit system operational performance.

Grantee/Contractor:

Location: Funding:

Project Monitor:

Support for the Geotechnical Board National Academy of Sciences

Washington, D.C.

\$35,000 Jeffrey G. Mora Funding Source:
Project Number:

Section 6 DC-06-0638

Description:

This project supports the National Research Council Geotechnical Board as part of an intergovernmental program co-sponsored by various Federal agencies, such as the Army Corp of Engineers, the Department of the Interior, the Nuclear Regulatory Commission, etc. The Geotechnical Board addresses geotechnical engineering and scientific issues of national scope. It is responsible for oversight of the U. S. National Committee for Tunneling Technology and the U. S. National Committee for Rock Mechanics. Geotechnical and tunneling technology issues are of importance to a number of FTA grantees actively working on or planning tunnel construction or tunnel rehabilitation projects.

Project Title:

Grantee/Contractor:

Location:
Funding:
Project Monitor:

Bus Testing Technical Briefs Pennsylvania State University University Park, Pennsylvania

\$74,967 George I. Izumi Funding Source: Section 6
Project Number: IT-06-0365

Description:

This project will support the development and dissemination of bus testing information on a periodic basis. A quarterly newsletter will bring together the most recent knowledge and experience on the bus testing program activities at FTA and the Altoona Bus Testing Center.

Project Title:

Grantee/Contractor:

Location:

Funding:
Project Monitor:

Strategic Approach to Technology

Volpe National Transportation Systems Center

Cambridge, Massachusetts

\$300,000 Jeffrey G. Mora Funding Source: Section 6
Project Number: MA-06-0204

Description:

This project will identify technology needs for transit bus, rail, and automated systems, the areas which can logically be improved with technology solutions, and develop strategies to bring these innovations into widespread use. The goal is to improve transit industry cost-effectiveness, productivity, and efficiency.

International Technology Survey

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding:
Project Monitor:

Steven A. Barsony

\$150,000

Funding Source: Section 6
Project Number: MA-06-0205

Description:

There are a number of promising new transit technologies under test or being used in Europe. Due to the curtailment of research and product development by many of the domestic transit equipment suppliers during the last decade, many of the most promising efforts have been undertaken by the European suppliers. Under this project, the progress that has been made in these technologies will be evaluated for potential transfer and use in the

U.S.

Project Title:

Task Support

Grantee/Contractor:

Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding:
Project Monitor:

\$1,000,000 Steven A. Barsony Funding Source: Section 8
Project Number: MA-08-7008

Description:

The objective of this project is to provide support to the activities of the Office of Technical Assistance and Safety. This includes a study to develop a comprehensive plan for improvement of Northeast Corridor Boston to New York rail passenger facilities. This plan will include a listing of needed improvements, the sequence for these improvements, a current engineering cost estimate, a funding allocation plan, and other related elements.

Project Title:

MAGLEV Feasibility Study

Grantee/Contractor:

Port Authority of Allegheny County

Location:

Pittsburgh, Pennsylvania

Funding:

rittsburgh, rennsylvania

Project Monitor:

\$660,000 Funding Source: Section 8

Jeffrey G. Mora Project Number: PA-08-7006

Description:

PAT will conduct planning studies for a proposed magnetic levitation demonstration system from downtown Pittsburgh to the airport. This study will include preparing a demonstration plan, developing a financing plan, planning a suburban access system, preparing an environmental impact assessment, and developing a system conceptual design.

Project Title: Audit of the Pennsylvania Transportation Institute Bus

Testing Project

Grantee/Contractor: Young, Oakes, Brown and Company

Location: Altoona, Pennsylvania

Funding: \$10,200 Funding Source: Section 23
Project Monitor: George I. Izumi Project Number: PA-90-7001

Description: This project is for an audit of Pennsylvania Transporta-

tion Institute costs for establishing and operating the Bus Testing Center. The audit will determine if costs were proper and the internal controls sufficient to protect the funds provided. The audit will also determine if the proposed bus testing fee schedule is reasonable and

justified.

TRANSIT ACCESSIBILITY PROGRAM

On July 26, 1990, the President signed into law the Americans with Disabilities Act of 1990. This bill eliminates discrimination against individuals with disabilities and requires transit agencies to operate accessible vehicles and services. There are problems that must be addressed before transit can be fully accessible. Some of these are transportation of persons using wheelchairs and other mobility aids, such as three-wheel scooters, allowing standees (persons with walkers or canes) on lifts, controlling the vertical gap between the railcar floor and platform, and assuring the safety of disabled riders. The Transit Accessibility Program will address the needs of all disabled persons, including those in wheelchairs, with other mobility aids, and persons with visual, hearing, and other physical or mental impairments.

Project Title: Americans with Disabilities Training Modules

Grantee/Contractor: National Easter Seal Society, Inc., Office of Governmental

Affairs

Washington, D. C. Location:

Funding: \$100,000 Funding Source: Section

Project Monitor: Pauline A. D'Antignac Project Number: DC-06-0653

Description: This program is to provide assistance to a consortium made

up of the National Easter Seal Society, the American Public Transit Association, the Community Transportation Association of America, and the International Taxicab and Livery Association. The project will develop a variety of training materials to be used by the consortium to train the Nation's transit industry in the implementation of the

Americans with Disabilities Act of 1990.

Project Title: Americans with Disabilities Act Teleconference

Grantee/Contractor: Aviation Administration, Transportation Federal Safety

Institute

Oklahoma City, Oklahoma Location:

Funding: \$200,000 Funding Source: Section Project Monitor: Judy Meade Project Number: DC-06-0660

Description: This project is for the conduct of a teleconference on the

Americans with Disabilities Act. The teleconference especially facilitate information disseminaformat will tion to small urban and rural grantees that, because of limited resources, would be unable to send representatives

to only a few regionally based conference sites.

Project Title: Training Program Module for Small Buses Kansas Department of Transportation Grantee/Contractor:

Location: Topeka, Kansas

Section Funding: \$125,000 Funding Source: Project Monitor: Mary L. Anderson Project Number: KS-06-0003

Description: This project will develop a maintenance training program

for small buses, with special focus on accessibility equipment for wheelchair lifts, ramps and securement devices. A comprehensive standardized handbook and audiovisual material will be prepared to make available to transportation providers, small bus operators, mechanics, and manufacturers the best preventive maintenance tech-

niques for maintaining this specialized equipment.

Americans with Disabilities Act Technology Volpe National Transportation Systems Center

Location:

Cambridge, Massachusetts

Funding: Project Monitor:

Grantee/Contractor:

\$225,000 George I. Izumi Funding Source: Section 6 Project Number: MA-06-0201

Description:

Accessibility equipment will be developed and demonstrated in revenue service. This equipment could include tactile surfaces and audio communications to provide better accessibility for hearing and visually impaired persons and review of transit agency studies on lift performance.

Project Title:

Americans with Disabilities Act Guidelines Volpe National Transportation Systems Center

Grantee/Contractor: Location:

Cambridge, Massachusetts

Funding: Project Monitor: \$275,000 Ronald D. Kangas Funding Source: Section 8 Project Number: MA-08-7010

Description:

This project will develop comprehensive guidelines for system safety program plans concerning all aspects of safety and security for persons with disabilities. The guidelines will address the entire journey, not just the transit portion. This document will guide the institutional, structural, and operational considerations for all

disabilities.

TASK ORDERS

The Office of Technical Assistance and Safety has a small, multi-disciplinary staff whose mission is to provide guidance in the technical and safety aspects of mass transit systems to the FTA constituency. However, because of limitations on staff size, there is not sufficient manpower available to undertake the multitude of tasks connected with providing this guidance. The four projects described here were initiated to meet this need. However, since they cut across all program areas, they could not be included in any of the other chapters of this directory.

Grantee/Contractor:

Dynatrend, Inc.

Location:

Woburn, Massachusetts

Funding:

\$2,231,364

Funding Source: Section 6

Project Monitor:

Patricia Cass

Project Number: MA-06-0215

Description:

This contract is to provide technical assistance on the soft side of the Technical Assistance and Safety Program

under various task orders.

Grantee/Contractor:

Booz, Allen, and Hamilton, Inc., Applied Research

Location:

Bethesda, Maryland

Funding:

\$2,005,192

Section 6 MD-06-0146

Project Monitor:

Patricia Cass

Project Number: MD-06-014

Funding Source:

Description:

This contract is to provide technical assistance on the hard side of the Technical Assistance and Safety Program

under various task orders.

Grantee/Contractor:

Battelle Memorial Institute Columbus Laboratories

Location:

Columbus, Ohio

Funding:
Project Monitor:

\$1,629,382 <u>Funding Source</u>: Section 6 Patricia Cass Project Number: OH-06-0060

Description:

This contract is to provide technical assistance on the soft side of the Technical Assistance and Safety program

under various task orders.

Grantee/Contractor: KPMG Peat Marwick Vienna, Virginia

Funding: \$1,790,726 Funding Source: Section 6
Project Monitor: Patricia Cass Project Number: VA-06-0149

<u>Description</u>: This contract is to provide technical assistance on the

hard side of the Technical Assistance and Safety

program under various task orders.

APPENDIX A TECHNICAL ASSISTANCE AND SAFETY PROJECTS BY PROJECT NUMBER



APPENDIX A

TECHNICAL ASSISTANCE AND SAFETY PROJECTS BY PROJECT NUMBER

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CA-06-0242	California State Department of Transportation, Division of Mass Transit, Sacramento, California, p.4
CA-06-0243	Metropolitan Transit Development Board, San Diego, California, p.18
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DC-06-0395	Department of Transportation, Office of the Secretary, Washington, D. C., p.26
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DC-06-0645	Community Transportation Association of America, Washington, D. C., p.26
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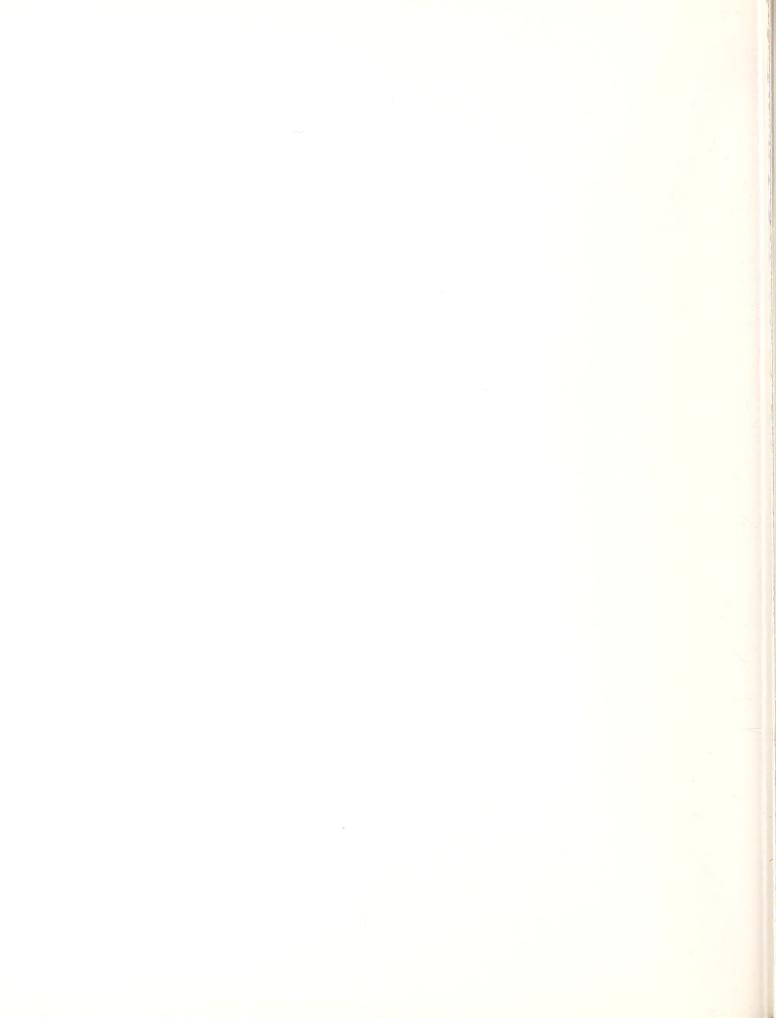
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Section 8:	Development of transportation plans and programs which are	
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	consideration to comprehensive long-range land use plans,	
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	development of urban areas of more than fifty thousand	
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APPENDIX B TECHNICAL ASSISTANCE AND SAFETY PROJECTS BY STATE



APPENDIX B

TECHNICAL ASSISTANCE AND SAFETY PROJECTS BY STATE

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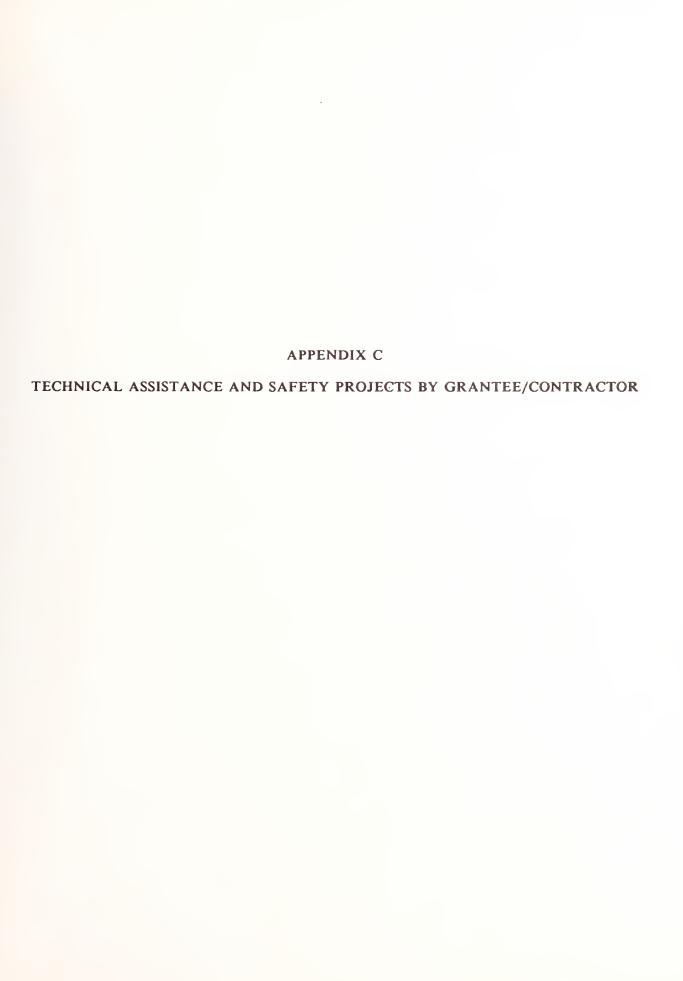
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APPENDIX D OFFICE OF TECHNICAL ASSISTANCE AND SAFETY PROJECT MONITORS

APPENDIX D

OFFICE OF TECHNICAL ASSISTANCE AND SAFETY PROJECT MONITORS

Inquiries regarding projects listed herein may be directed to the project monitor at the organization shown below, c/o the Office of Technical Assistance and Safety, Federal Transit Administration, Washington, D. C. 20590.

Name	Organization		
Adams, Ross W. Anderson, Mary L. Arrillaga, Bert	Office of Mobility Enhancement Office of Engineering Evaluations Service Assistance Division		
Barsony, Steven A. Boenau, Ronald E.	Office of Engineering Evaluations Advanced Public Transportation Systems Division		
Caruso, Salvator Cass, Patricia Cooper, Gwendolyn R. Crawley, Rhonda M.	Capital Development Division Program Management Staff Capital Development Division Office of Safety		
D'Antignac, Pauline A. Drancsak, M. Marina Durham, John S.	Research and Rural Transportation Division Research and Rural Transportation Division Service Assistance Division		
Enty, Frank E.	Office of Training, Research and Rural Transportation		
Field, Roy Fisher, Ronald J.	Office of Safety Office of Training, Research and Rural Transportation		
Gimmler, Franz K. Goodman, Joseph M.	Office of Safety Service Assistance Division		
Hsiung, Shang Q.	Office of Engineering Evaluations		
Izumi, George I.	Office of Engineering Evaluations		
Kangas, Ronald D. Kulyk, Walter	Office of Safety Office of Mobility Enhancement		
McKeown, Stewart Meade, Judy Mora, Jeffrey G. Morison, Charles T.	Service Assistance Division Office of Safety Office of Engineering Evaluations Office of Training, Research and Rural Transportation		

Ricketson, Sean Rodano, Edith M. Advanced Public Transportation Systems Division Program Management Staff

Solomon, Elizabeth J. Stallsmith, Effie S.

Research and Rural Transportation Division Capital Development Division

Tann, Helen M. Tate, Roger Thomas, Edward L. Office of Training, Research and Rural Transportation Research and Rural Transportation Division

Capital Development Division



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