



FLA.
TURNPIKE

I-95

SR 826

SR 9

US 441

INTERSTATE 95

**1989
UNIFIED
PLANNING
WORK
PROGRAM**

FOR TRANSPORTATION



METROPOLITAN
PLANNING ORGANIZATION
FOR THE MIAMI URBANIZED AREA

Front Cover:
GOLDEN GLADES
INTERCHANGE
YEAR 2000

FY 1989 UNIFIED PLANNING WORK PROGRAM
FOR TRANSPORTATION

JUNE, 1989

PREPARATION OF THIS REPORT HAS BEEN FINANCED IN PART THROUGH GRANTS FROM
THE UNITED STATES DEPARTMENT OF TRANSPORTATION.

ANYONE DESIRING FURTHER INFORMATION ON ITS CONTENTS SHOULD CONTACT:

MPO SECRETARIAT
METRO-DADE CENTER
111 N.W. 1ST STREET, SUITE 910
MIAMI, FLORIDA 33128

THE METROPOLITAN PLANNING ORGANIZATION
FOR THE MIAMI URBANIZED AREA

Commissioner Barbara Carey
Commissioner Clara Oesterle
Commissioner Beverly Phillips
Commissioner James Redford
Commissioner Harvey Ruvin
Commissioner Barry D. Schreiber
Commissioner Jorge E. Valdes
Commissioner Sherman Winn
Mayor Stephen P. Clark, Chairman

Dewey W. Knight, Jr., Interim County Manager

TRANSPORTATION PLANNING COUNCIL

| | |
|------------------|--|
| Joaquin Avino | Chairman, Assistant County Manager |
| Claude Bullock | Dade County Seaport |
| Ivan Carr | Dade County Aviation Department |
| Ben Guilford | Metro-Dade Transit Agency |
| Walter Herndon | Dade County Public Works Department |
| Bruce Offord | Florida Department of Environmental Regulation |
| Servando Parapar | Florida Department of Transportation, District VI |
| Rene Rodriguez | Florida Department of Transportation, District VI |
| Reginald Walters | Dade County Planning Department |
| Douglas Yoder | Dade County Department of Environmental Regulation |

NON-VOTING MEMBERS

| | |
|-------------------|--|
| Roger Khral | Urban Mass Transportation Administration |
| Jose-Luis Mesa | Metropolitan Planning Organization Secretariat |
| B. Jack Osterholt | South Florida Regional Planning Council |
| Virgil Page | Federal Highway Administration |
| Don Gilliamsen | Dade County School Board |

TRANSPORTATION PLANNING TECHNICAL ADVISORY COMMITTEE

| | |
|-----------------|---|
| Jose-Luis Mesa | Chairman, Metropolitan Planning Organization Secretariat |
| Lucie Ayer | Florida Department of Transportation, District VI |
| Chuck Blowers | Dade County Planning Department |
| Kathie Brooks | Metro-Dade Transit Agency |
| Rick Bush | Dade County Aviation Department |
| Mario Garcia | Metro-Dade Transit Agency |
| Henry Iler | Development Impact Committee |
| Walt Jagemann | Dade County Public Works Department |
| Richard Lee | Dade County Public Works Department |
| Robert Usherson | Dade County Planning Department |
| Patrick Wong | Dade County Department of Environmental Resources Management |

NON-VOTING MEMBERS

| | |
|--------------|--------------------------------|
| Adam Lukin | Downtown Development Authority |
| Clark Turner | City of Miami |

SUPPORT STAFF

| | |
|----------------|------------------------------------|
| Ann L. Henry | Metropolitan Planning Organization |
| Anita J. Jones | Metropolitan Planning Organization |
| Irma San Roman | Metropolitan Planning Organization |
| Yvonne Soler | Metropolitan Planning Organization |

EXECUTIVE SUMMARY

The 1989 Unified Planning Work Program describes transportation planning activities for the Miami Urbanized Area to be completed during the fiscal period beginning July, 1988. The document outlines a variety of planning projects that will assist in further defining the comprehensive and multi-modal transportation improvement program approved for the metropolitan area in the Year 2005 Transportation Plan. As it is the case for every annual program, the work is to be undertaken in a cooperative manner between the various participating Metro-Dade County agencies and the Florida Department of Transportation, guided by policies adhered to by the State of Florida and the Metropolitan Planning Organization (MPO) Governing Board. Guidance from the modal federal transportation agencies that support the program is also used as a significant element in the definition of the program of planning projects.

Formal technical guidance is provided by the Transportation Planning Council (TPC) of the MPO and the various special TPC committees. Citizen participation is insured through the monthly meetings of the Citizen Transportation Advisory Committee (CTAC) and the many other meetings and hearings held throughout the community during the program period as necessary. Participation of the private passenger transportation industry in the development of the UPWP occurs both through the CTAC and through special Board committees.

The projects identified in the 1989 UPWP directly address the objectives defined by the Program Committee and approved by the Transportation Planning Council and the MPO Governing Board. These objectives are in turn based on the policies defined in the urban area Transportation Plan and in the Metro-Dade Comprehensive Development Master Plan.

As with every annual program, projects in the 1989 UPWP address required work activities and agreed upon local, state and federal transportation planning issues and priorities. In addition, special attention is devoted in the program during the coming year to the preparation of the Metro-Dade 2010 Transportation Plan, to addressing transportation requirements of the State Growth Management Act, to analyzing the potential for expanding the County's Transit system, and to the development of new transportation service concepts for the southernmost portion of the U.S. 1 corridor and for the congested N.W. Dade area. The continuing intensification of the metropolitan nature of the urban area and the increasingly high levels of travel congestion that are routinely experienced along major travel corridors make these planning efforts critical priorities.

Other projects in the program that do not directly address requirements or special emphasis areas relate to technical activities that are being continued during fiscal 1989.

Finally, it is noted that consideration of environmentally-related transportation project impacts is to be conducted as part of the regular project planning and development activities and therefore, no specific work elements have been defined for this work item.

METROPOLITAN PLANNING ORGANIZATION
FOR THE MIAMI URBANIZED AREA
1989 UNIFIED PLANNING WORK PROGRAM

TABLE OF CONTENTS

| | <u>PAGE</u> |
|--------------------------|-------------|
| EXECUTIVE SUMMARY | i |
| PROGRAM OBJECTIVES | iv |

PROJECT DESCRIPTIONS

| <u>PROJECT NO.</u> | <u>COST</u> | |
|--|----------------|------|
| OBJECTIVE A: TRANSPORTATION PLANNING PROCESS AND FUNDING | | |
| 1.01 UPWP Administration | \$ 50,000 | 1-1 |
| 1.02 MPO Board and Technical Committee Support | 70,000 | 1-4 |
| 1.03 UPWP Development | 25,000 | 1-7 |
| 1.04 Citizen Involvement | 45,000 | 1-9 |
| 1.05 Legislative Assessments | 10,000 | 1-11 |
| 1.06 Development Impact Assessment and DRI-DIC Traffic Analysis | 35,000 | 1-13 |
| 1.07 Highway Surveillance | 50,000 | 1-15 |
| 1.08 Review of Transportation Plans, Project Proposals and Policies | 30,000 | 1-17 |
| 1.09 Maintain Travel Modeling Capabilities | 20,000 | 1-19 |
| 1.10 Transit System Monitoring | 80,000 | 1-20 |
| 1.11 Elderly and Handicapped Access Planning | 30,000 | 1-22 |
| 1.12 Update Civil Rights Report | 10,000 | 1-24 |
| 1.13 FDOT/MPO Transportation Planning Liaison | 30,000 | 1-25 |
| 1.14 FDOT Cash Match | 59,000 | |
| 1.15 Financial Capacity Assessment | 10,000 | 1-26 |
| 1.16 Level-Of-Service Concurrency Management Procedures | 55,000 | 1-27 |
| | <u>609,000</u> | |
| OBJECTIVE B: LONG-RANGE TRANSPORTATION PLANNING | | |
| 2.01 Long Range Transportation Plan Process | 162,000 | 2-1 |
| 2.02 CDMF Amendment Evaluation | 25,000 | 2-5 |
| 2.03 Preferential Transit Treatments | 200,000 | 2-7 |
| | <u>387,000</u> | |

| | | <u>PAGE</u> |
|--------------|--|----------------|
| OBJECTIVE C: | SHORT-RANGE TRANSPORTATION PLANNING | |
| 3.01 | Transportation Improvement Program | |
| | Preparation | \$ 20,000 3-1 |
| 3.02 | Short-Range Transit Planning | 100,000 3-2 |
| 3.03 | Socio-Economic Monitoring | 70,000 3-5 |
| 3.04 | North-West Dade Travel Needs Study | 10,000 3-7 |
| 3.05 | US 1/FEC South Corridor Study | 50,000 3-9 |
| | | <u>250,000</u> |

OBJECTIVE D: INTEGRATED TRANSPORTATION SYSTEM

| | | |
|------|--------------------------------|----------------|
| 4.01 | Comprehensive Bicycle Planning | |
| | and Coordination | \$ 46,000 4-1 |
| 4.02 | Riverside Center Transit | |
| | Feasibility Study | 80,000 4-3 |
| | | <u>126,000</u> |

TOTAL PROGRAM FUNDING \$1,372,000

| | | |
|--------------|--|-----|
| APPENDIX I | AVAILABLE AND REQUESTED FUNDING | 5-1 |
| APPENDIX II | PROJECT FUNDING BY SOURCE | 5-2 |
| APPENDIX III | LOCAL AGENCY PARTICIPATION | 5-4 |
| APPENDIX IV | PROJECT FUNDING BY AGENCY ALLOCATION | 5-6 |

UNIFIED PLANNING WORK PROGRAM
FISCAL YEAR 1989

PROGRAM OBJECTIVES

OBJECTIVE A: TRANSPORTATION PLANNING PROCESS AND FUNDING

Maintain the flow of federal and state transportation improvement funds by maintaining a transportation planning process which includes appropriate interagency coordination, public involvement and impact assessment, and produces comprehensive and financially feasible transportation plans.

OBJECTIVE B: LONG-RANGE TRANSPORTATION PLANNING

Maintain a technically sound Long Range Transportation Plan for Metropolitan Dade County which establishes priorities and conforms with federal and state transportation and land use planning requirements.

OBJECTIVE C: SHORT RANGE TRANSPORTATION PLANNING

Provide the necessary technical basis for decisions on near-term improvements by addressing transportation corridor and sub-area needs that conform with policies identified in long-range plan elements.

OBJECTIVE D: INTEGRATED TRANSPORTATION SYSTEM

Plan for the implementation of an integrated multi-modal transportation system which coordinates private and public transportation resources and addresses the needs of the transportation disadvantaged.

PROJECT DESCRIPTIONS

OBJECTIVE A: TRANSPORTATION PLANNING PROCESS AND FUNDING

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.01 UPWP Administration

OBJECTIVE:

Effectively monitor achievement of established UPWP Program objectives and administer funds supporting the Program.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. Monitor the current year (FY 1989) planning activities.
 - a. Assess the effectiveness of the current (FY 1989) planning program to meaningfully resolve issues on a quarterly basis as a minimum.
 - b. Propose UPWP revisions, as appropriate, to respond to changing conditions. Convene the UPWP Committee to review proposed revisions. Present revisions to the TPC, the MPO Board, and funding agencies.
2. Administer the Work Order System.
 - a. Working with the cognizant Project Managers and division/department heads, prepare draft Work Order Requests and process as necessary to validate charge accounts and financial procedures.
 - b. Review Work Order Requests to insure consistency with the approved UPWP and grant budgets.
 - c. Obtain concurrence of the Finance Divisions involved.
 - d. Issue Work Orders.
 - e. Review and process requests for Work Orders Revisions, as appropriate.

- f. Revise Work Orders in accordance with approved grant budgets and the procedures approved by the TPC and MPO Board. Issue revised Work Orders.
- 3. Administer grants supporting the UPWP.
 - a. Prepare work scope(s) for planning grants and process grant applications and awards as necessary.
 - b. Prepare grant revision requests in response to UPWP Revisions and other budget adjustments approved by the TPC/MPO Board.
 - c. Review the status of grants with funding agencies on a periodic basis.
- 4. Prepare progress reports.
 - a. Prepare monthly fiscal reports describing the status of Work Orders, budget authorizations, estimated expenditures, and requested Work Order revisions.
 - b. Request deliverables for Project Managers as they become due and summarize and prepare for submission to funding agencies.
 - c. Prepare Quarterly Progress Reports. Submit to the TPC and funding agencies.
- 5. Process Reimbursement Requests from participants.
 - a. Maintain itemized expenditure records to support the Finance Department program reimbursement activities.
 - b. Review Reimbursement Requests for consistency with the UPWP, Work Orders, and supporting grants as they are submitted.
 - c. Assist the County Finance Department in processing payments.
- 6. Process Reimbursement Requests to funding agencies.
 - a. Review requests and backup fiscal information prepared by the Finance Department.
 - b. Transmit requests to funding agencies.
- 7. Close-out grants.
 - a. Initiate close-out proceedings.
 - b. Prepare and transmit final budgets and other supporting fiscal information.
 - c. Prepare and transmit Project Completion Report.

- d. Facilitate the performance of audits, as necessary.
8. Maintain and update Long Range Transportation plan and MPO approved documents. Insure adequate public distribution of documents and graphic materials.

END PRODUCTS:

1. Work Order Requests.
2. Work Orders.
3. Expenditure records
4. Long Range Transportation Plan and other MPO approved documents for distribution.
5. Grant Revision Requests.
6. Monthly Fiscal Reports.
7. Quarterly Progress Report
8. Reimbursement Request.
9. Project Completion Reports.

PROJECT MANAGER:

Jose-Luis Mesa

PARTICIPATING AGENCY:

Metropolitan Planning Organization

REQUIRED FUNDING:

\$50,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.02 MPO Board and Technical Committee Support

OBJECTIVE:

Insure proper resolution of critical transportation issues by the Transportation Planning Council, various MPO committees, and the MPO Board.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. Provide staff support for the MPO Board.
 - a. Identify critical Transportation Planning Issues.
 - b. Organize meetings. Prepare agendas and various back-up materials.
 - c. Prepare and process MPO Board resolutions.
 - d. Prepare minutes and follow-up on various directives.
 - e. Respond to concerns of MPO Board members.
2. Provide staff support for the Transportation Planning Council.
 - a. Identify critical Transportation Planning Issues.
 - b. Organize meetings. Prepare agendas and various backup materials.
 - c. Prepare draft TPC resolutions.
 - d. Prepare minutes and follow-up on directives.
 - e. Respond to day-to-day concerns of TPC members.
3. Provide staff support for Transportation Plan Technical Advisory Committee (TPTAC).

- a. Identify critical transportation planning issues.
 - b. Organize meetings. Prepare agendas and backup materials.
 - c. Prepare minutes and follow-up on directives.
 - d. Respond to day-to-day concerns of TPTAC members.
4. Provide staff support for MPO Committees and Task Forces.
- a. Identify critical Transportation Planning Issues.
 - b. Support intergovernmental review activities.
 - c. Work with Dade County municipalities.
 - d. Support various task forces such as the City of Miami Beach Light Rail Technical Committee, the Tri-County Regional Organization and High Speed Rail. Serve on the Dade County Developmental Impact Committee.
 - e. Work with SFRPC on issues pertaining to transportation requirements of the State Growth Management Legislation and other related regional issues.
 - f. Organize and support staff working groups and task forces addressing issues as they emerge.

END PRODUCTS:

- 1. TPTAC agenda and back-up materials.
- 2. TPTAC minutes.
- 3. TPC agendas and back-up materials.
- 4. TPC minutes.
- 5. MPO agendas and back-up materials.
- 6. MPO minutes.
- 7. Minutes of various task forces and staff working groups, as appropriate.
- 8. Compiling and distribution of information relating to critical issues regarding Tri-County Rail and High Speed Rail, as appropriate.

PROJECT MANAGER:

Jose-Luis Mesa

PARTICIPATING AGENCY:

Metropolitan Planning Organization

REQUIRED FUNDING:

\$70,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.03 UPWP Development

OBJECTIVE:

Maintain a multi-modal planning program that responds to ongoing community transportation needs and to the most critical transportation service delivery issues.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. Prepare the FY 1990 UPWP.
 - a. Update the list of planning issues and the statement of program objectives.
 - b. Prepare estimates of potential planning funds available to support the program. Initiate arrangements for matching funds. Submit correspondence to funding agencies on the various phases of the development of the program and as responses to their inquiries and requests.
 - c. Work with the UPWP Committee, propose specific activities responding to program objectives. Prepare an initial budget allocation.
 - d. Prepare detailed project descriptions, budgets, and product lists.
 - e. Assemble the Review Draft of the FY 1990 UPWP.
 - f. Present the Review Draft of the program to the Transportation Planning Council for their approval. Transmit the TPC-approved program to the funding agencies and the A-95 review agencies for their comments.

Solicit comments from the Citizens Transportation Advisory Committee (CTAC) and other key private and civic organizations.

- g. Working with the UPWP Committee, revise the draft program in response to comments submitted by all parties, the status of FY 1989 activities, and revised funding estimates.
- h. Present the Final Draft of the program to the Transportation Planning Council and the MPO Board for approval. Transmit the Final Draft to the funding agencies for use as a work scope for planning grants.

END PRODUCTS:

- 1. Revisions to the FY 1989 UPWP.
- 2. Update of the issue list and program objectives to be considered in preparing the FY 1990 UPWP.
- 3. Review Draft of the FY 1990 UPWP.
- 4. Final Draft of the FY 1990 UPWP.
- 5. Memos transmitting the UPWP document.

PROJECT MANAGER:

Jose-Luis Mesa

PARTICIPATING AGENCY:

Metropolitan Planning Organization

REQUIRED FUNDING:

\$25,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.04 Citizen Involvement

OBJECTIVE:

Provide the CTAC and the public with information regarding transportation needs and proposals for meeting these needs. Insure input into the transportation decision-making process before plans and programs are approved.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. Provide Staff support to the meetings of the Citizens Transportation Advisory Committee (CTAC) and its subcommittees.
2. Respond to CTAC concerns as plans and programs are developed as part of the update of the Transportation Plan, the Transportation Improvement Program, the Unified Planning Work Program, and the Transit Development Program.
3. Provide a mechanism for community input that will allow a detailed consideration of the various issues. Recommendations will be reviewed and summarized by staff prior to submission to CTAC and the MPO Board.
4. Advise the BCC and the MPO on specific policy issues and products as well as provide an independent and broad-based monitoring of on going planning and implementation activities.

END PRODUCTS:

1. CTAC agendas and back-up materials.
2. Minutes of hearings and public meetings.
3. Memos and resolutions documenting citizen input on various planning proposals.

4. Correspondence and meetings as necessary to include an effective citizen involvement process.

PROJECT MANAGER:

Jose-Luis Mesa

PARTICIPATING AGENCY:

Metropolitan Planning Organization

REQUIRED FUNDING:

\$45,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.05 Legislative Assessments

OBJECTIVE:

To assess transportation-related legislation and policies issued by governmental agencies to determine implications for the multi-modal transportation system of Dade County.

PREVIOUS WORK:

This work element has been instrumental in providing information necessary to assist in policy decisions affecting transportation in the areas of funding, public/private resources integration, State/Local relationships, and other issues. Staff of the MPO Office regularly is requested to prepare assessments of Legislative regulatory and policy proposals issued by federal, state and local governmental agencies that affect the future of multi-modal transportation.

METHODOLOGY:

1. Monitor all transportation-related legislative proposals, regulations and policies.
2. Summarize assessments of legislative, regulatory and policy proposals issued by governmental agencies that affect the future of multi-modal transportation.
3. Prepare and distribute written assessments and analyses as required.
4. Participate in deliberations and meetings held by the statewide MPO Advisory Committee which deal with legislative and policy-related questions.
5. Participate in deliberations and meetings held by State Sub-Committee on Transportation.

END PRODUCTS:

1. Assessments of proposed legislation policies and regulations, including implications affecting the local multi-modal transportation system.
2. Correspondence prepared for pertinent official agencies as necessary.

PROJECT MANAGER:

Ann L. Henry

PARTICIPATING AGENCY:

Metropolitan Planning Organization

REQUIRED FUNDING:

\$10,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.06 Development Impact Assessment and DRI-DIC Traffic Analysis

OBJECTIVE:

Coordination of transportation and land use planning efforts to conform to state regulations for growth management, with the County Comprehensive Development Master Plan, and overall planning policies and guidelines. Provide technical comments regarding transportation-related issues and impacts that may result from major development proposals and projects.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

Through the use of standard models developed to project transportation demands incurred by various types of land uses, the anticipated transportation demand for services and roads is estimated. These estimates are converted into costs for necessary improvements to support the needs of the development proposal. The results of this analysis are incorporated in the overall comments that are provided to the County Commission as a part of the Development Impact process.

The following tasks are part of this report:

1. Assess impacts of developments by performing traffic generations, distribution mode split and link analysis.
2. Through cooperation with Dade County DIC, provide Consultants with available data and travel demand projections used as a basis for DIC studies and DRI reports.
3. Review and critique transportation studies for DIC and DRI reports submitted by consultants and developers, including development of proposed recommendations for transit requirements.

END PRODUCTS

1. Verification of traffic analyses generated by other agencies and consultants.

2. Data and Travel demand forecasts used as a basis to generate traffic analyses and reports.
3. Preparation of summary reports critiquing transportation components of proposed developments, including proposed transit developer requirements.
4. Provide the necessary data used as a basis to generate in-house traffic analysis and reports for medium-size developments.
5. Preparation of summary report identifying future travel demands, system requirements, and projected improvements and capital/operating costs based upon projected travel growth as a result of the proposed development.

PROJECT MANAGER:

Richard Lee

PARTICIPATING AGENCIES:

Department of Public Works
Metro-Dade Transit Agency

FUNDING:

\$35,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.07 Highway Surveillance

OBJECTIVE:

Provide current information on the usage and performance of the highway system as required for transportation systems planning.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. Collect quarterly traffic counts at selected sites along county highways.
2. Map county and state traffic volume information on traffic flow map.
3. Correlate the highway count information with transit county information.
4. Purchase traffic counters as required to conduct the data surveillance activities.

END PRODUCTS:

1. Individual traffic count records.
2. Traffic volume flow map.
3. Highway segment information base.

PROJECT MANAGER:

Harvey Bernstein

PARTICIPATING AGENCIES:

Dade County Public Works Department
Metro-Dade Transit Agency

REQUIRED FUNDING:

\$50,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Description

WORK ELEMENT:

1.08 Review of Transportation Plans, Project Proposals and Policies

OBJECTIVE:

Insure consistency of proposed transportation plans and improvement projects with the Dade County Comprehensive Development Master Plan and the Florida State Growth Management Act.

PREVIOUS WORK:

This is a continuing activity in Dade County's Transportation planning process.

METHODOLOGY:

1. Continue the operation of the Metropolitan A-95 Clearinghouse function for transportation-related programs and plans within Dade County.
2. Review the transportation elements of municipal plans and plans of adjacent counties for consistency with Metropolitan Dade County's transportation elements, plans and policies.
3. Review transportation-related projects, programs, and activities for consistency with metropolitan plans and policies.
4. Participate in activities of the Metropolitan Planning Organization Board; the Transportation Planning Council; Transportation Planning Technical Advisory Committee; and special committees and task forces that are set up by the MPO, TPC or TPTAC, or which relate directly to the activities of the MPO and TPC.

END PRODUCTS:

Plans and projects that are consistent with the adopted Comprehensive Plan; correspondence documenting A-95 review comments on specific projects and comments on various transportation plans; and contributions to various transportation planning projects.

PROJECT MANAGER:

Robert Usherson

PARTICIPATING AGENCIES:

Metro-Dade County Planning Department

REQUIRED FUNDING:

\$30,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Descriptions

WORK ELEMENT:

1.09 Maintain Travel Modeling Capabilities

OBJECTIVE:

Maintain updated travel models, including transit and highway networks.

PREVIOUS WORK:

This is a continuing activity. A major update of the travel demand models will have been undertaken for the model validation component of the Long Range Plan Update.

METHODOLOGY:

1. Update transit and highway networks, as necessary, to reflect changes in Dade County's Long Range Plan, Transportation Improvement Program, short range transit plans, and existing conditions.
2. Provide model support work to Consultants using Dade County's travel demand models to evaluate proposed transportation projects.

END PRODUCTS:

Short and Long Range baseline travel demand baseline scenarios.

PROJECT MANAGER:

Kathie G. Brooks

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$20,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed project Description

WORK ELEMENT:

1.10 Transit System Monitoring

OBJECTIVE:

Provide an up-to-date information base for supporting transportation planning projects, including:

- evaluating the overall performance of transit services.
- forecasting transit patronage.
- ensuring compliance with the Title VI Civil Rights requirements.
- calibrating the transit component of travel demand models.
- evaluating the effectiveness of demonstration programs and special event transit services.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. Collect a tabulate daily Metrorail/Metromover ridership, and summarize by key parameters to develop monthly reports.
2. Collect data from a sample of Metrobus trips to determine usage and effectiveness of routes.
3. Collect and assemble data on the use, performance, and effectiveness of privately-provided Metrobus services.

END PRODUCTS:

Technical and executive summary reports exhibiting system usage, and performance and effectiveness measures.

PROJECT MANAGER:

David Fialkoff

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$80,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.11 Elderly and Handicapped Access Planning

OBJECTIVE:

To prepare State and Federally required plans. To maintain an updated, federally required plan for providing accessible public transportation to physically handicapped persons who are unable to use the public transit system. In compliance with State and Federal regulation, to produce the annual update to the Transportation Disadvantaged Plan. To develop policies and plans for the delivery of transportation to the disadvantaged segments of our community. To plan and evaluate the methods by which social service transportation services are brokered, and develop alternatives for providing Special Transportation Services to eligible citizens within policy guidelines and funding contracts.

PREVIOUS WORK:

In May, 1979, a Section 504 Transition Plan was prepared. In June, 1980, the plan was adopted by the officially designated Elderly and Handicapped Transportation Advisory Committee and the Metro Dade Board of County Commissioners and submitted to UMTA for review and approval. In 1981, the plan was revised to indicate service and fare changes that had occurred. In June, 1987, the service plan was submitted to UMTA for review and approval.

The Transportation Disadvantages Development Plan was updated in FY 87-88 and contains an updated inventory of publicly-funded and private non-profit social service agency transportation resources as well as a plan for coordinating Special Transportation Services.

METHODOLOGY:

Section 504 Plan

1. Review proposed service changes, etc. to ensure compliance with existing Section 504 Plan.
2. Conduct the public hearing process as required.

Transportation Disadvantage Plan

1. Update the Transportation Disadvantaged Plan including revision of the operating strategy for the designated coordinated community transportation provider and revision of the Implementation Schedule Plan and Service Contracting Process.

Elderly and Handicapped Planning Support

1. Assess the ability of transit services to meet the special transportation need of the elderly and handicapped.
2. Plan procurement processes, strategies and implementation schedule for the service contracting process.
3. Provide technical support to various advisory groups.
4. Plan for the expansion of the Brokerage System and integration with other public transportation facilities.
5. Produce and/or revise operational planning components of the TDDP.
6. Analyze Special Transportation Services demand and funding levels to plan for future service requirements.

END PRODUCTS:

1. Ensure Section 504 Transportation Service Plan concurrence.
2. Annual Transportation Disadvantaged Plan update specifying revised coordination mechanisms.

PROJECT MANAGER:

Kathie G. Brooks

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$30,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

1.12 Update Civil Rights Report

OBJECTIVE:

Respond to Federal requirements for an annual update of the 1160.1 report. Develop basic information on the level of transit services provided to minority communities.

PREVIOUS WORK:

This report is updated tri-annually. The last major submission was completed in FY 87-88.

METHODOLOGY:

1. Ensure compliance with federal requirements
2. Prepare update.

END PRODUCT:

Updated 1160.1 report.

PROJECT MANAGER:

Kathie G. Brooks

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$10,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Descriptions

WORK ELEMENT:

1.13 FDOT/MPO Transportation Planning Liaison

OBJECTIVE:

Maintain a meaningful cooperative local/State planning program.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

FDOT will assist the MPO in carrying out various UPWP tasks.

END PRODUCTS:

1. Attendance at MPO meetings by FDOT.
2. Requested data.

PROJECT MANAGER:

Lucie Ayer

PARTICIPATING AGENCY:

Florida Department of Transportation

REQUIRED FUNDING:

\$30,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Descriptions

WORK ELEMENT:

1.15 Financial Capacity Assessment

OBJECTIVE:

Update and maintain the MDTA cost models and perform Financial Capacity Assessment as required by UMTA. Ensure that the development of a financially feasible transit plan.

PREVIOUS WORK:

The MDTA cost models were developed during the past years with the assistance of Deliotte, Hanskins and Sells as part of the MDTA Financial Plan.

METHODOLOGY:

1. Recalibrate the models based on FY 1989 Expenses.
2. Re-evaluate MDTA expense trends incorporating the changes in capital and operating projects.

END PRODUCTS:

Financial Capacity Assessment

PROJECT MANAGER:

Spencer Ballard

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$10,000

PROGRAM OBJECTIVE A
TRANSPORTATION PLANNING
PROCESS AND FUNDING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Descriptions

WORK ELEMENT:

1.16 Level-Of-Service Concurrency Management Procedures

OBJECTIVE:

Develop procedures and regulations to administer and implement the Level of Service (LOS) Standards adopted in the Traffic Circulation and Mass Transit Elements of the Comprehensive Development Master Plan (CDMP).

PREVIOUS WORK:

This is a new project. Level of Service (LOS) standards have been formulated by the Planning Department in consultation with the TPTAC and TPC to be adopted for binding implementation in Dade County after adoption of pending amendments to the CDMP as required by Chapter 163, Part II, Florida Statutes.

METHODOLOGY:

After adoption of pending amendments to the CDMP, projected to occur in November, 1988 no development order may be issued in Dade where potentially affected roadways do not operate at or above the adopted LOS standard, or where the potentially affected roadways are projected to operate below the adopted LOS at the time the impact of the development is projected to occur, with or without approval of the proposed development. Adopted LOS for mass transit service must also be met, but the administration of mass transit LOS is not expected to be as complex as the highway standard.

In order to implement and administer the LOS standards, a multi-faceted program is needed for use in Dade County's development permitting processes, containing the following elements:

1. Procedures to identify which roads would be "significantly" affected by proposed developments (and threshold definitions) and the magnitude of impact that would occur.
2. Procedures to project conditions on the roadway network on various future dates that relate to the proposed buildout schedule of the subject development, with or without approval of the development.

3. Techniques to determine what, if any, roadway and transit facilities would be necessary to a) remedy existing deficiencies on potentially affected roadways and routes; b) remedy deficiencies projected to exist without approval of the proposed development, and c) accommodate projected additional impacts that would be attributable to the proposed development.
4. Procedures and requirements to ensure that the necessary facilities will be operating concurrent with the issuance of CO's.
5. Procedures for annually updating the existing and projected highway network in the County's highway models, and for periodically updating the socio-economic data sets.
6. Provisions for the County and applicants to supplement and update traffic volume information.
7. Provisions for updating necessary transit route information and service area characteristics.
8. Ordinances necessary to implement the above.

This project will identify and propose techniques and procedures to accomplish the above.

The project will also produce draft administrative procedures, and proposals for regulations to administer the Traffic Circulation and Mass Transit LOS Standards employing the proposed procedures.

END PRODUCTS:

1. Proposed LOS Concurrency Management Program for Traffic Circulation and Mass Transit Services which will contain recommended procedures to address items 1-7 above.
2. Draft Ordinances or outlines of Ordinances needed to codify essential requirements of the proposed program.

PROJECT MANAGER:

Robert Usherson

PARTICIPATING AGENCIES:

Metro-Dade Planning Department
Metro-Dade Transit Agency
Metro-Dade Public Works Department

REQUIRED FUNDING:

\$55,000

OBJECTIVE B: LONG-RANGE TRANSPORTATION PLANNING

PROGRAM OBJECTIVE B
LONG-RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

2.01 Long-Range Transportation Plan Process

OBJECTIVE:

Meet Federal and State requirements for the maintenance of an updated Long Range Transportation Plan.

PREVIOUS WORK:

A major update of the Metro-Dade Transportation Plan was initiated during FY 1988. A consultant contract was approved for the preparation of the needed draft Year 2010 plan. Staff support work is being defined during FY 1989 to provide for all the necessary tasks to complete the plan by the Spring of 1989 as well as to complete the FY 1989 annual update of the 2005 Plan in October of 1988.

METHODOLOGY:

Plan Update Process: Year 2010 Plan

The following work activities remain to be completed during FY 1989 as part of the ongoing major plan revision effort.

1. Forecast Travel Demands - The validated models and the revised transportation network will be used to conduct an initial simulation of transportation demands for the year 2010. This simulation will be analyzed to identify major deficiencies in the existing transportation network.
2. Analyze Simulation Results - Results of the simulations will be analyzed based upon the existing plus committed network to determine travel demands on individual facilities. These results will be used to identify major corridor deficiencies in capacities and services. The year 2010 trip table produced in the forecast will be assigned to the network to determine future travel demands. Transportation system needs for the year 2010 will be identified by adding proposed facilities and services to the existing plus committed network.
3. Establish Service Demand Criteria - The previous Plan used the Level Of Service "D" as a general standard for vehicle capacity on major arterials. The new growth management policies require reassessment and possible revision to reflect State policies.

New capacity standards will be developed to enable alternative combinations of modes to be used as a means of meeting the projected travel demands in a corridor.

4. **Revise Priority Standards** - The criteria used to determine the priority levels used in the 1984 Plan Update will be reviewed. Revisions to the criteria will reflect changes in County policy and State growth management standards. The revised criteria will be used to meet the standards of the State and County policies and objectives for regional growth management.
5. **Review 1984 Project Status** - The 1984 Update project listing will be reviewed to determine the status of the projects identified in that Plan. Projects completed or programmed at this time will be stricken from the list. Remaining projects will be listed by priority level to determine the projects remaining and their current level of importance.
6. **Revise Project Priority List** - The review of the 1984 project list, accompanied by a comparison with new forecasted travel demands, will be used to develop a revised priority listing of projects for the horizon year. This list will serve as the basis for the Plan Update, with an accompanying listing of new projects and services to be included in the final Plan document.
7. **Develop New Projects** - The forecasted travel demands and anticipated growth and development will result in a need for new transportation facilities and services. The new facilities required by the forecasted increases in travel demand will be identified and listed using the previously adopted criteria for priority level. The addition of new projects and services will be based upon their anticipated potential for satisfying the unmet travel demands identified in the travel simulations.
8. **Identify Travel Service Corridors** - A list of major "high-volume" service corridors will be produced based upon the results of the travel simulations. This list will consist of those corridors with major travel demands that may be met by an appropriate combination of travel modes. Corridors so identified will be further analyzed to determine the alternative mode combinations that best satisfy the forecasted demand. Selected alternative mode combinations will reflect County and State policies regarding mode preferences, land use policies, and service efficiency. The Plan will contain recommendations for further detailed study of public transit services and resources to satisfy demands in the high-volume service corridors.
9. a) **Citizen Participation Process** - The County's current citizen participation mechanisms will be employed. Their roles will be reviewed and revised as necessary to ensure active and effective citizen participation in the plan development and plan review process. The procedures for citizen participation and input will be established to guarantee

regular citizen input at various stages of the Plan development process.

- b) Technical Review Process - The technical review process will use a committee of technical representatives from County agencies to evaluate and assess the major Plan assumptions and decisions. All preliminary products of the Plan Development process will be submitted to this committee for review and comment. Formal approval will be sought for those elements of the process that depend upon major policy assumptions.
 - c) Review and Comment - A detailed review and evaluation process will be conducted prior to the Plan adoption. The draft Plan Update will be reviewed by all participating agencies and committees. Their comments will be discussed in the TPTAC and CTAC. All critical comments will receive written responses. The final Plan will contain all comments and responses that have been received in the review process.
10. Plan Adoption - The final draft Long Range Plan Update will be submitted to the Metropolitan Planning Organization Policy Board for formal adoption.

END PRODUCTS:

- 1. New travel demand simulations for 2010.
- 2. Adopted district structure for plan development.
- 3. Updated screenline data.
- 4. Review and evaluation of existing project lists; identification of project status.
- 5. New prioritization criteria for future project using growth policies and standards.
- 6. Revised listing of transportation projects by District and priority level.
- 7. List of high-volume travel corridors and mode combinations for detailed study.
- 8. Revised Long Range Transportation Plan document for the Year 2010.

PROJECT MANAGER:

Jose-Luis Mesa

PARTICIPATING AGENCIES:

MPO Secretariat
Metro-Dade Transit Agency
Dade County Planning Department
Florida Department of Transportation
Dade County Public Works

REQUIRED FUNDING:

\$162,000 (for remainder of consultant contract and for staff support during second and final year of plan update work)

PROGRAM OBJECTIVE B
LONG-RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

2.02 CDMP Amendment Evaluation

OBJECTIVE:

Evaluate the transportation impact of applications requesting amendments to the Comprehensive Development Master Plan (CDMP). This analysis is a requirement specified in Section 2-116.1 of the Dade County Code.

PREVIOUS WORK:

The Planning Department and MDTA have utilized various methods to estimate the potential transportation impacts of CDMP amendment applications, during past years, with mixed results. In the future, stringent State mandated requirements for direct consistency between the Land Use, Traffic Circulation and Mass Transit Elements, among others, and the adoption of definitive LOS standards will require the development and utilization of more rigorous techniques. Moreover, additional types of amendments are likely to be requested, such as amendments to LOS standards, and certain types of amendments may be considered annually or bi-annually.

METHODOLOGY:

1. Representatives of the Planning Department and MDTA, in consultation with the MPO, shall review the methods employed during past biennial Plan amendment processes and formulate a methodology to be used to analyze applications files for possible amendment to the CDMP during the FY 1989-90 biennial amendment cycle.
2. The impact of applications filed during the spring of 1989 will be evaluated by MDTA and the Planning Department using the agreed upon methodology in keeping with the schedule outlined in Section 2-116.1 of the County Code.

END PRODUCTS:

1. Proposed methodology for evaluating transportation impacts of FY 1989-90 Applications to amend the CDMP.
2. Analyses of transportation impacts of said Applications.

PROJECT MANAGER:

Robert Usherson

PARTICIPATING AGENCIES:

Dade County Planning Department
Metro-Dade Transit Agency

REQUIRED FUNDING:

\$25,000

PROGRAM OBJECTIVE B
LONG-RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

2.03 Preferential Transit Treatments

OBJECTIVE:

To analyze the potential for major transit improvements along a selected high-volume travel corridor. The work is to be done in coordination with efforts underway for the preparation of the 2010 Metro-Dade Transportation Plan.

PREVIOUS WORK:

Detailed studies and plans regarding transportation improvements in major travel corridors have been previously prepared. A major report produced was the Metro-Transit Expansion Study (1984).

METHODOLOGY:

1. Identification of a high-volume corridor through anticipated levels of future demand and level of service;
2. Detailed analysis of the selected corridor; selection and study of alternative treatments and/or modes;
3. Evaluation of potential benefits/detriments of each alternative mode; estimate of anticipated patronage, capital costs, operating costs, and traffic impacts;
4. Preparation of preliminary recommendations for corridor improvements to be staged in an overall transit system expansion program. Major capital investment project recommendations to be later subjected to detailed preliminary engineering studies.

END PRODUCTS:

1. A report presenting a detailed evaluation of the most appropriate transportation modes and/or improvements for a pre-determined corridor, consistent with overall County transportation and transit development policies and objectives.
2. Recommendations for major capital improvements to the transportation system in the selected corridor. These recommendations can include proposals for fixed guideway system

expansion, and/or major bus treatments on selected corridors as well as other traffic and transportation improvements.

PROJECT MANAGER:

Kathie G. Brooks

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$200,000 (UMTA-Section 3)

(NOTE: Contingent on resolution of a few outstanding technical issues, it is anticipated that work on this project will be initiated during the 1989 Fiscal Year)

OBJECTIVE C: SHORT-RANGE TRANSPORTATION PLANNING

PROGRAM OBJECTIVE C
SHORT-RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

3.01 Transportation Improvement Program (TIP) Preparation

OBJECTIVE:

Maintain a current 5-Year, short-range transportation improvement program consistent with long-range planning activities.

PREVIOUS WORK:

This is a continuing work element of the Transportation Planning process.

METHODOLOGY:

1. Examine current year and 5-year proposals for capital expenditures for all transportation modes.
2. Review scope of projects, priorities and schedules.
3. Coordinate Transportation Improvement Program (TIP) with long-range plan and programmatic goals.
4. Coordinate input from all other participating agencies.
5. Prepare document for TPC and MPO review and approval.

END PRODUCT:

Develop a Multimodal Transportation Improvement Program (TIP) for FY 1989, with forecasts of needs through 1993.

PROJECT MANAGER:

Walt Jagemann

PARTICIPATING AGENCY:

Dade County Public Works

REQUIRED FUNDING:

\$20,000

PROGRAM OBJECTIVE C
SHORT-RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

3.02 Short-Range Transit Planning

OBJECTIVE:

Provide short-range capital transit planning essential to the provision of transit services.

PREVIOUS WORK:

This is a continuing activity.

The Transit Element of the Dade County's Transportation Improvement Program (TIP) is updated annually, and requires substantial evaluation and justification for programmed capital projects.

Previous Transit operations planning have included on-going transit service line-up planning (3-4 per year) to improve system efficiency, productivity, etc.; development and evaluation of a demonstration project for service contracting of Metrobus service.

A major update effort for the Transit Development Program was undertaken in Fiscal Year 1987-88; annual updates of this major service programming document to reflect changes in projected travel demand and available fiscal resources are required to support all short term transit plans.

METHODOLOGY:

Capital Planning

1. Evaluate proposed short-range capital improvement projects to determine feasibility and potential impacts.
2. Update existing plans and develop new plans for Rail Equipment replacement and bus equipment.
3. Prepare annual update of transit element of Dade County Transportation Improvement Program; examine current-year and 5-Year proposals for capital expenditures for transit based on evaluations and financial projections; review scope of projects, priorities, and schedules.

Short-Range Operations Planning

Determine the effectiveness of current and proposed MDTA transit services through analyses of service performance, productivity, and cost-effectiveness.

1. Analyze transit system usage and performance reports produced by data monitoring to identify potential service efficiency improvements.
2. Evaluate transit system usage and performance based on established planning guidelines.
3. Recommend service improvements for inclusion in line-up planning, and short range plans, and coordinate implementation.
4. Evaluate proposed services based on the performance of similar services and estimated ridership impacts.
5. Evaluate on-going demonstration projects of MDTA services.

Transit Development Program

Prepare annual update of the Transportation Development Program (TDP) for consistency with Dade County's multi-year operational plan.

END PRODUCTS:

Capital Planning

1. Technical memoranda evaluating proposed capital projects.
2. Detailed project and program descriptions recommended for short-range implementation.
3. Planning justifications for required projects to be included in the Section 9 grant application and the Transportation Improvement Program (TIP).
4. Transit Component of 5-Year Transportation Improvement Program (TIP) for FY 1989 through 1993.

Operations Planning

1. Line-up plans required three times a year.
2. Evaluation reports on on-going demonstration projects and on existing services as appropriate.

Transit Development Program

1. Updated 5-Year TDP.

PROJECT MANAGER

Kathie G. Brooks

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$100,000

PROGRAM OBJECTIVE C
SHORT RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Description

WORK ELEMENT:

3.03 Socio-Economic Monitoring

OBJECTIVE:

Maintain internal consistency, integrity and accuracy of transportation data sets; ensure compatibility with official land use policies and configurations; and respond efficiently to information requests.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. The socio-economic core variables (total population, total housing units, total employment) will be monitored and changes noted at the TAZ level. Other variables will be modified on an ad hoc basis in response to major changes in socio-economic indicators.
2. Continue development and enhancement of the special generator/small area detail database. This involves geocoding and maintaining records pertaining to projects, buildings and facilities in sufficient detail to allow retrieval and use in small area impact studies or sub-area windowing.
3. The geographic distribution of the socio-economic variables for the projection years (1990 and 2010) will be revised as necessary to conform to new CDMP land use map. This will be accomplished through an automated procedure utilizing a specialized database incorporating the CDMP land-use capacity file, development parameters and phasing, and key CDMP development guidelines, as well as socio-economic indicators.

END PRODUCTS:

1. Existing FSUTMS TAZ database maintained in operational status; ad hoc correction of errors and inconsistencies; updated resident housing and population variables at zonal level; update of other variables on a "as needed basis" for selected TAZ's.

2. Updated and enhanced special generators/small-area detail database with sub-zonal detail; associated maps of selected generators and facilities.
3. Land-use/socio-economic database consistent with development pattern and guidelines of the revised Master Plan as adopted.
4. Provide transportation data support to MDTA and FDOT staff and consultants.

PROJECT MANAGER:

Charles W. Blowers

PARTICIPATING AGENCY:

Metro-Dade Planning Department

REQUIRED FUNDING:

\$70,000

PROGRAM OBJECTIVE C
SHORT-RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

3.04 North-West Dade Travel Needs Study

OBJECTIVE:

To develop transit solutions to the traffic congestion problems in North-West Dade County.

PREVIOUS WORK:

Long Range Transportation Plan Update.
PTO Conceptual Design study for NW 27 Avenue.
Northwest Dade Commuter Transit Feasibility Study.

METHODOLOGY:

Model Refinement

1. Identify major east-west and north-south travel arteries in Northwest Dade and categorize by existing and projected level of service as reflected in the current Long Range Plan.
2. Analyze high-demand corridors to determine the most appropriate improvements that will be consistent with urban area policies and objectives. These improvements will be tailored to meet the needs of specific submarket groups.
3. Evaluate potential demand for proposed alternatives and estimate traffic impacts.
4. Determine cost impacts of proposed improvements.
5. Prepare recommendations for transit improvements in the area.

END PRODUCTS

Report documenting the evaluation of alternative solutions and proposed recommendations.

PROJECT MANAGER:

Kathie G. Brooks

PARTICIPATING AGENCY:

Metro-Dade Transit Agency

REQUIRED FUNDING:

\$10,000

PROGRAM OBJECTIVE C
SHORT-RANGE TRANSPORTATION
PLANNING

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

3.05 US 1/FEC South Corridor Study

OBJECTIVE:

Increase corridor passenger capacity in the US 1 South Corridor.

PREVIOUS WORK:

This is a new project. New service opportunities provided by the acquisition of the right-of-way FEC by the Florida Department of Transportation make this a timely effort.

METHODOLOGY:

PHASE I

- Task 1. Collection and tabulation of required planning, roadway, traffic, and transit data to establish a base for a recommended project configuration.
- Task 2. Critique of existing traffic, transit, ridesharing, and roadway conditions in the corridor to identify service opportunities and constraints.
- Task 3. Identification of improvements that have sufficient opportunity to enhance travel capacity.
- Task 4. Evaluation of the benefits and costs of feasible service concepts and recommendation of an option for implementation.
- Task 5. Preparation of Preliminary Report.

PHASE II

- Task 6. Development of conceptual design details for recommended treatments and Park-and-Ride requirements along with estimates of capital and operating costs.
- Task 7. Preparation of a draft and final conceptual new service design study report.

END PRODUCTS:

A service design for new transportation service improvements along the US 1/FEC South Corridor.

PROJECT MANAGER:

Jose-Luis Mesa

PARTICIPATING AGENCIES:

Metropolitan Planning Organization
Dade-County Public Works
Metro-Dade Transit Agency
Florida Department of Transportation

REQUIRED FUNDING:

\$50,000 (PHASE I)

OBJECTIVE D: INTEGRATED TRANSPORTATION SYSTEM

PROGRAM OBJECTIVE D
INTEGRATED TRANSPORTATION
SYSTEM

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

4.01 Comprehensive Bicycle Planning and Coordination

OBJECTIVE:

Refine the Comprehensive Bicycle Plan and continue to identify Project effectiveness of current programs in Dade County.

PREVIOUS WORK:

1. MPO adoption of Comprehensive Bicycle Plan.
2. Previous planning for bicycles has been oriented to recreation facilities. FY 84/85 was the first year bicycle planning was identified as a major element in multimodal transportation planning by both the State of Florida and the MPO.
3. Planning and development of the Bikes-On-Trains program.
4. Planning and development of the Park-N-Ride program for bicycles.
5. Coordination and development of the safety improvement program for the circulation of bicycles along the path beneath the south line of METRORAIL.
6. Creation of the Bicycle Advisory Committee.

METHODOLOGY:

1. Review and evaluate the process of designating new bikeways and their maintenance and redesignation of unsafe bike paths.
2. Develop a means of awareness to reduce the risk of involvement in cycling accidents and improve the quality of riding. Educating cyclists for knowledge and skills leading to predictable and competent behavior in traffic.
3. Identify the need to enforce Bicycle laws to Enforcement agencies.
4. Coordinate the planning of bicycle facilities with the Bicycle Advisory Committee and with municipalities and developers to insure consistency with the Comprehensive Bicycle Plan.

5. On going marketing of the bicycle program.

END PRODUCTS:

A Community Bicycle Plan describing and graphically displaying:

1. A Bicycle Education America Program implemented in 75% of Dade County Primary Schools.
2. Public awareness education through media attention.
3. A Network Maintenance Program to ensure the upkeep of the County bikeway systems.
4. Assisting local bicycle law enforcement agencies in enforcement programs leading to long term improvement of bicycle behavior.
5. Reorganization of the Registration Program working with Metro-Dade police to achieve a more effective program.
6. An Ordinance addressing the need for a safer bicycling environment.
7. A Comprehensive Bicycle Program which utilizes the "4E's" (Engineering, Encouragement, Education, Enforcement) promoting the development of the bicycle as a transportation vehicle.

PROJECT MANAGER:

Jeffrey Hunter

PARTICIPATING AGENCY:

Metropolitan Planning Organization

REQUIRED FUNDING:

\$46,000

PROGRAM OBJECTIVE D
INTEGRATED TRANSPORTATION
SYSTEM

FY 1989 UNIFIED PLANNING WORK PROGRAM

Detailed Project Description

WORK ELEMENT:

4.02 Riverside Center Transit Feasibility Study

OBJECTIVE:

Examine the feasibility of providing transit service to the Riverside Center Development through a public sector/private sector partnership. The study will develop cost, patronage and alternative financing estimates for the proposed facilities and services.

PREVIOUS WORK:

Work on design alternatives and ridership forecasts has been completed for this project. Finalization of project work will extend into part of Fiscal Year 1989..

METHODOLOGY:

The major tasks of the project are as follows:

1. Determine Joint Design Alternatives
2. Impact on Development
3. Ridership Estimates
4. Capital Cost Estimates
5. Operating Cost Estimates
6. Financial Plan
7. Legal and Institutional Issues
8. Metromover Analysis

END PRODUCTS:

Study Report

PROJECT MANAGER:

Jose-Luis Mesa

PARTICIPATING AGENCY:

Metropolitan Planning Organization

REQUIRED FUNDING:

\$80,000

This is a continuing element. Funding is already available and work will be completed during early FY 1989.

APPENDIX I

FY 1989 UNIFIED PLANNING WORK PROGRAM AVAILABLE AND REQUESTED FUNDING (\$000)

SOURCE

| | | |
|-------------------|--------|--------|
| FHWA PL | \$ 219 | |
| LOCAL MATCH (15%) | 39 | |
| SUBTOTAL | | \$ 258 |

STATE FUNDS AND LOCAL MATCH

| | | |
|------------------|----|-----|
| Project No. 1.13 | 30 | |
| Project No. 1.14 | 59 | |
| Project No. 2.01 | 50 | |
| Project No. 4.01 | 23 | |
| Local Match | 23 | |
| SUBTOTAL | | 185 |

| | | |
|------------------------|-----|-----|
| UMTA REGULAR SECTION 8 | 479 | |
| LOCAL MATCH (20%) | 120 | |
| SUBTOTAL | | 599 |

| | | |
|---------------------|-----|-----|
| UMTA SECTION 8 | 130 | |
| Discretionary | | |
| (Project No.'s 2.01 | | |
| and 4.02) | | |
| SUBTOTAL | | 130 |

| | | |
|--------------------|-----|-----|
| UMTA SECTION 3 | 200 | |
| (Project No. 2.03) | | |
| SUBTOTAL | | 200 |

| | | |
|---------------|--|--------------|
| PROGRAM TOTAL | | \$ 1,372,000 |
|---------------|--|--------------|

APPENDIX II

FY 1989 UNIFIED PLANNING WORK PROGRAM PROJECT FUNDING BY SOURCE (\$000)

| | UMTA SEC.8 | OTHER | FHWA PL | TOTAL |
|--|---------------|-------|------------|-------|
| OBJECTIVE A: TRANSPORTATION PLANNING PROCESS AND FUNDING | | | | |
| 1.01 UPWP Administration | 40 | | 10 | 50 |
| 1.02 MPO Board and Technical Committee Support | 55 | | 15 | 70 |
| 1.03 UPWP Development | 15 | | 10 | 25 |
| 1.04 Citizen Involvement | 35 | | 10 | 45 |
| 1.05 Legislative Assessments | 5 | | 5 | 10 |
| 1.06 Development Impact Assessment and DRI-DIC Traffic Analysis | | | 35 | 35 |
| 1.07 Highway Surveillance | | | 50 | 50 |
| 1.08 Review of Transportation Plans, Project Proposals and Policies | 20 | | 10 | 30 |
| 1.09 Maintain Travel Modeling Capabilities | 15 | | 5 | 20 |
| 1.10 Transit System Monitoring | 80 | | | 80 |
| 1.11 Elderly and Handicapped Access Planning | 30 | | | 30 |
| 1.12 Update Civil Rights Report | 10 | | | 10 |
| 1.13 FDOT/MPO Transportation Planning Liaison | | 30 | | 30 |
| 1.14 FDOT Cash Match | | 59 | | 59 |
| 1.15 Financial Capacity Assessment | 10 | | | 10 |
| 1.16 Level-Of-Service Concurrency Management Procedures | 25 | | 30 | 55 |
| TOTAL - Transportation Planning Process and Funding | 340 | 89 | 180 | 609 |
| OBJECTIVE B: LONG-RANGE TRANSPORTATION PLANNING | | | | |
| * 2.01 Long Range Transportation Plan Process | 94 | 50 | 18 | 162 |
| 2.02 CDMP Amendment Evaluation | 20 | | 5 | 25 |
| ** 2.03 Preferential Transit Treatments | | 200 | | 200 |
| TOTAL - Long-Range Transportation Planning | 115 | 250 | 23 | 387 |

| | UMTA SEC.8 | OTHER | FHWA PL | TOTAL |
|---|---------------|-------|------------|-------|
| OBJECTIVE C: SHORT-RANGE TRANSPORTATION PLANNING | | | | |
| 3.01 TIP Preparation | 10 | | 10 | 20 |
| 3.02 Short-Range Transit Planning | 100 | | | 100 |
| 3.03 Socio-Economic Monitoring | 40 | | 30 | 70 |
| 3.04 North-West Dade Travel Needs Study | 5 | | 5 | 10 |
| 3.05 US 1/FEC South Corridor Study | 40 | | 10 | 50 |
| TOTAL - Short-Range Transportation Planning | 195 | 0 | 55 | 250 |
| OBJECTIVE D: INTEGRATED TRANSPORTATION SYSTEM | | | | |
| *** 4.01 Comprehensive Bicycle Planning and Coordination | | 46 | | 46 |
| **** 4.02 Riverside Center Transit Feasibility Study | 80 | | | 80 |
| TOTAL - Integrated Transportation System | 80 | 46 | 0 | 126 |
| GRAND TOTAL | 730 | 385 | 258 | 1372 |

* Includes Balance of FY 1988 Project Funds

** UMTA Section 3 Funds pending approval

*** State Grant Funds and Local Match

**** Balance of FY 1988 Project Funds

APPENDIX III

FY 1989 UNIFIED PLANNING WORK PROGRAM LOCAL AGENCY PARTICIPATION (\$000)

| | MPO | MDTA | DCPD | DCPW | OTHER | TOTAL |
|--|-----|------|------|------|-------|-------|
| <hr/> | | | | | | |
| A. TRANSPORTATION PLANNING PROCESS AND FUNDING | | | | | | |
| 1.01 UPWP Administration | 50 | | | | | 50 |
| 1.02 MPO Board and Technical Committee Support | 70 | | | | | 70 |
| 1.03 UPWP Development | 25 | | | | | 25 |
| 1.04 Citizen Involvement | 45 | | | | | 45 |
| 1.05 Legislative Assessments | 10 | | | | | 10 |
| 1.06 Development Impact Assessment and DRI-DIC Traffic Analysis | | 7 | | 28 | | 35 |
| 1.07 Highway Surveillance | | | | 50 | | 50 |
| 1.08 Review of Transportation Plans, Project Proposals and Policies | | | 30 | | | 30 |
| 1.09 Maintain Travel Modeling Capabilities | 20 | | | | | 20 |
| 1.10 Transit System Monitoring | 80 | | | | | 80 |
| 1.11 Elderly and Handicapped Access Planning | 30 | | | | | 30 |
| 1.12 Update Civil Rights Report | 10 | | | | | 10 |
| 1.13 FDOT/MPO Transportation Planning Liaison | | | | | 30 | 30 |
| 1.14 FDOT Cash Match | | | | | 59 | 59 |
| 1.15 Financial Capacity Assessment | 10 | | | | | 10 |
| 1.16 Level-Of-Service Concurrency Management Procedures | 15 | 30 | 10 | | | 55 |
| TOTAL - Transportation Planning Process Funding | 200 | 172 | 60 | 88 | 89 | 609 |
| <hr/> | | | | | | |
| B. LONG-RANGE TRANSPORTATION PLANNING | | | | | | |
| * 2.01 Long Range Transportation Plan Process | 42 | 20 | | | 100 | 162 |
| 2.02 CDMF Amendment Evaluation | | 20 | 5 | | | 25 |
| ** 2.03 Preferential Transit Treatments | 200 | | | | | 200 |
| TOTAL - Long-Range Transportation Planning | 43 | 240 | 5 | 0 | 100 | 387 |
| <hr/> | | | | | | |

| | MPO | MDTA | DCPD | DCPW | OTHER | TOTAL |
|--|-----------|------------|-----------|-----------|-----------|------------|
| <hr/> | | | | | | |
| C. SHORT-RANGE TRANSPORTATION PLANNING | | | | | | |
| 3.01 TIP Preparation | | | | 20 | | 20 |
| 3.02 Short-Range Transit Planning | 100 | | | | | 100 |
| 3.03 Socio-Economic Monitoring | | | 70 | | | 70 |
| 3.04 North-West Dade Travel Needs Study | 10 | | | | | 10 |
| 3.05 US 1/FEC South Corridor Study | | | | | 50 | 50 |
| TOTAL - Short-Range Transportation Planning | <u>0</u> | <u>110</u> | <u>70</u> | <u>20</u> | <u>50</u> | <u>250</u> |
| <hr/> | | | | | | |
| D. INTEGRATED TRANSPORTATION SYSTEM | | | | | | |
| *** 4.01 Comprehensive Bicycle Planning and Coordination | 46 | | | | | 46 |
| **** 4.02 Riverside Center Transit Feasibility Study | 40 | | | | 40 | 80 |
| TOTAL - Integrated Transportation System | <u>86</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>40</u> | <u>126</u> |
| <hr/> | | | | | | |
| GRAND TOTAL | 329 | 522 | 135 | 108 | 279 | 1372 |

* Includes balance of FY 1988 Project Funds

** UMIA Section 3 Funds pending approval

*** State Grant Funds and Local Match

**** Balance of FY 1988 Project Funds

APPENDIX IV

FY 1989 PROJECT FUNDING BY AGENCY ALLOCATIONS
(\$000)

| FEDERAL | | | | | | STATE | | | LOCAL | | | | PROJECT TOTAL |
|--|-------|-------|-------|-------|-------|---------------|-------|-------|-----------------|---------------|---------------|-------|------------------|
| | UMTA | | | FHMA | | | | | | | | | |
| | SEC 8 | SEC 3 | TOTAL | PL | TOTAL | MATCH FHMA | OTHER | TOTAL | UTMA * MATCH | FHMA MATCH | OVER MATCH | TOTAL | |
| PLANNING PROCESS | | | | | | | | | | | | | |
| 1.01 UMAP ADMINISTRATION | 32 | 0 | 32 | 8.5 | 8.5 | 0 | 0 | 0 | 8 | 1.5 | 0 | 9.5 | 50 |
| 1.02 NPO BOARD & TECHNICAL COMMITTEE SUPPORT | 44 | 0 | 44 | 12.75 | 12.75 | 0 | 0 | 0 | 11 | 2.25 | 0 | 13.25 | 70 |
| 1.03 UMAP DEVELOPMENT | 12 | 0 | 12 | 8.5 | 8.5 | 0 | 0 | 0 | 3 | 1.5 | 0 | 4.5 | 25 |
| 1.04 CITIZEN INVOLVEMENT | 28 | 0 | 28 | 8.5 | 8.5 | 0 | 0 | 0 | 7 | 1.5 | 0 | 8.5 | 45 |
| 1.05 LEGISLATIVE ASSES- MENTS | 4 | 0 | 4 | 4.25 | 4.25 | 0 | 0 | 0 | 1 | 0.75 | 0 | 1.75 | 10 |
| 1.06 DEVELOPMENT IMPACT & DRI-DIC TRAFFIC ANALYSIS | 0 | 0 | 0 | 29.75 | 29.75 | 0 | 0 | 0 | 0 | 5.25 | 0 | 5.25 | 35 |
| 1.07 HIGHWAY SURVEILLANCE | 0 | 0 | 0 | 42.5 | 42.5 | 0 | 0 | 0 | 0 | 7.5 | 0 | 7.5 | 50 |
| 1.08 REVIEW OF TRANSPORTA- TION PLANS, PROJECT PROPOSALS AND POLI- CIES | 16 | 0 | 16 | 8.5 | 8.5 | 0 | 0 | 0 | 4 | 1.5 | | 5.5 | 30 |
| 1.09 MAINTAIN TRAVEL MODELING CAPABILITIES | 12 | 0 | 12 | 4.25 | 4.25 | 0 | 0 | 0 | 3 | 0.75 | 0 | 3.75 | 20 |
| 1.10 TRANSIT SYSTEM MONITORING | 64 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 16 | 80 |
| 1.11 ELDERLY & HANDICAPPED ACCESS PLANNING | 24 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 | 30 |

* Includes 10% cash match provided by FDOT for each work element funded with FY 1989 Section 8 UMTA funds up to a maximum total of \$59,000.00.

For administrative purposes, this FDOT Cash Match is referred to as work element 1.14 (FDOT UMTA Grant Cash Match).

APPENDIX IV

FY 1989 PROJECT FUNDING BY AGENCY ALLOCATIONS
(\$000)

| FEDERAL | | | | | | STATE | | | LOCAL | | | | PROJECT TOTAL |
|--|-------|-------|-------|------|-------|---------------|-------|-------|-----------------|---------------|---------------|-------|------------------|
| UMTA | | | FHMA | | | | | | | | | | |
| | SEC 8 | SEC 3 | TOTAL | PL | TOTAL | MATCH FHMA | OTHER | TOTAL | UTMA # MATCH | FHMA MATCH | OVER MATCH | TOTAL | |
| 1.12 UPDATE CIVIL RIGHTS REPORT | 8 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 10 |
| 1.13 FDOT/MPO TRANSPORTA- TION PLANNING LIAISON | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 | 0 | 0 | 0 | 0 | 30 |
| 1.14 FDOT CASH MATCH | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 59 | 0 | 0 | 0 | 0 | 59 |
| 1.15 FINANCIAL CAPACITY ASSESSMENT | 8 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 10 |
| 1.16 LEVEL-OF-SERVICE CONCURRENCY MANAGE- MENT AND MODEL | 20 | 0 | 20 | 25.5 | 25.5 | 0 | 0 | 0 | 5 | 4.5 | | 9.5 | 55 |
| SUBTOTAL - PLANNING PROCESS | | | 272 | | 153 | | | 89 | | | | 95 | 609 |
| * * * * * | | | | | | | | | | | | | |
| LONG-RANGE TRANSPORTATION PLANNING | | | | | | | | | | | | | |
| 2.01 LONG-RANGE TRANS- PORTATION PLAN PROCESS ** | 75.2 | 0 | 75.2 | 15.3 | 15.3 | 0 | 50 | 50 | 18.8 | 2.7 | 0 | 21.5 | 162 |
| 2.02 COMP AMENDMENT EVALUATION PROCEDURES | 16 | 0 | 16 | 4.25 | 4.25 | 0 | 0 | 0 | 4 | 0.75 | 0 | 4.75 | 25 |

* Includes 10% cash match provided by FDOT for each work element funded with FY 1989 Section 8 UMTA funds up to a maximum total of \$59,000.00.
For administrative purposes, this FDOT Cash Match is referred to as work element 1.14 (FDOT UMTA Grant Cash Match).

** PROJECT 2.01: Includes balance of FY 1988 Project Funds.

APPENDIX IV

FY 1989 PROJECT FUNDING BY AGENCY ALLOCATIONS
(\$000)

| FEDERAL | | | | | | STATE | | | LOCAL | | | | PROJECT TOTAL |
|--|-------|-------|-------|-------|-------|---------------|-------|-------|-----------------|---------------|---------------|-------|------------------|
| UMTA | | | FHMA | | | MATCH FHMA | OTHER | TOTAL | UTMA * MATCH | FHMA MATCH | OVER MATCH | TOTAL | |
| SEC 8 | SEC 3 | TOTAL | PL | TOTAL | | | | | | | | | |
| SHORT-RANGE TRANSPORTATION PLANNING | | | | | | | | | | | | | |
| 2.03 PREFERENTIAL TRANSIT TREATMENTS *** | 0 | 160 | 160 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 40 | 200 |
| SUBTOTAL - LONG-RANGE TRANSPORTATION PLANNING: | | | 251.2 | | 19.55 | | | 50 | | | | 66.25 | 387 |
| * * * * * | | | | | | | | | | | | | |
| 3.01 TIP PREPARATION | 8 | 0 | 8 | 8.5 | 8.5 | 0 | 0 | 0 | 2 | 1.5 | 0 | 3.5 | 20 |
| 3.02 SHORT-RANGE TRANSIT PLANNING | 80 | 0 | 80 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 20 | 100 |
| 3.03 SOCIO-ECONOMIC MONI- TORING | 32 | 0 | 32 | 25.5 | 25.5 | 0 | 0 | 0 | 8 | 4.5 | 0 | 12.5 | 70 |
| 3.04 NW DADE TRAVEL NEEDS STUDY | 4 | 0 | 4 | 4.25 | 4.25 | 0 | 0 | 0 | 1 | 0.75 | 0 | 1.75 | 10 |
| 3.05 US 1/FEC SOUTH CORRIDOR STUDY | 32 | 0 | 32 | 8.5 | 8.5 | 0 | 0 | 0 | 8 | 1.5 | 0 | 9.5 | 50 |
| SUBTOTAL - TRANSPORTATION PLANNING: | | | 156 | | 46.75 | | | 0 | | | | 47.25 | 250 |

* Includes 10% cash match provided by FDOT for each work element funded with FY 1989 Section 8 UMTA funds up to a maximum total of \$59,000.00.
For administrative purposes, this FDOT Cash Match is referred to as work element 1.14 (FDOT UMTA Grant Cash Match).

*** PROJECT 2.03: UMTA Section 3 Funds pending approval.

APPENDIX IV

FY 1989 PROJECT FUNDING BY AGENCY ALLOCATIONS
(\$000)

| FEDERAL | | | | | | STATE | | | LOCAL | | | | PROJECT TOTAL |
|--|-------|-------|-------|------|-------|---------------|-------|-------|-----------------|---------------|---------------|-------|------------------|
| | UMTA | | | FHMA | | | | | | | | | |
| | SEC 8 | SEC 3 | TOTAL | PL | TOTAL | MATCH FHMA | OTHER | TOTAL | UMTA * MATCH | FHMA MATCH | OVER MATCH | TOTAL | |
| INTEGRATED TRANSPORTATION SYSTEM | | | | | | | | | | | | | |
| 4.01 COMPREHENSIVE BICYCLE PLANNING AND COORDI- ***** NATION | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 23 | 0 | 0 | 23 | 23 | 46 |
| 4.02 RIVERSIDE CENTER/ METRONAIL STATION ***** FEASIBILITY STUDY | 80 | 0 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| SUBTOTAL - INTEGRATED TRANSPORTATION SYSTEM: | | | 80 | | 0 | | | 23 | | | | 23 | 126 |
| * * * * * | | | | | | | | | | | | | |
| GRAND TOTAL: | | | 759.2 | | 219.3 | | | 162 | | | | 231.5 | 1372 |

* Includes 10% cash match provided by FDOT for each work element funded with FY 1989 Section 8 UMTA funds up to a maximum total of \$59,000.00.

For administrative purposes, this FDOT Cash Match is referred to as work element 1.14 (FDOT UMTA Grant Cash Match).

***** PROJECT 4.01: State Grant Funds and Local Match.

***** PROJECT 4.02: Balance of FY 1988 Project Funds.

