FINAL DRAFT

Unified Planning Work Program

Fiscal Year 1983

DETAILED PROJECT DESCRIPTIONS

Metropolitan Planning Organization for the
Miami Urbanized Area

Irma San Román

UNIFIED PLANNING WORK PROGRAM
FISCAL YEAR 1983

FINAL DRAFT

APPROVED BY THE TRANSPORTATION PLANNING COUNCIL
ON JULY 12, 1982
AND THE METROPOLITAN PLANNING ORGANIZATION
GOVERNING BOARD ON JULY 23, 1982

UNIFIED PLANNING WORK PROGRAM
FISCAL YEAR 1983

FINAL DRAFT

PREPARED BY THE UPWP COMMITTEE

Richard Lee - Dade County Public Works Department
John Woodlief - Dade County Planning Department
Jose-Luis Mesa - Dade County Transportation Admin.
Bert Martinez - Florida Department of Transportation
Clark Turner - Dade County Transportation Admin.
Joe Jakobsche - Dade County Transp. Admin./Operations.
Henry Pelt - Florida Department of Transportation
William Ockert - Chairman

RESOLUTION MPO NO. 17-82

A RESOLUTION ENDORSING THE
FINAL DRAFT OF THE FY 1983
UNIFIED PLANNING WORK PROGRAM,
AUTHORIZING THE FILING AND
EXECUTION OF GRANTS, AND
AUTHORIZING THE EXECUTION OF
INTERAGENCY AGREEMENTS

WHEREAS, the Governing Board desires to accomplish the purposes outlined in the memorandum from the Chairman of the Transportation Planning Council attached to this resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION (MPO) FOR THE MIAMI URBANIZED AREA:

SECTION 1: The Final Draft of the Unified Planning Work Program for FY 1983, including a response to comments from the Region IV Intermodal Planning Group, is hereby approved.

SECTION 2: The County Manager is authorized to file and execute grants to the State of Florida and the U.S. Department of Transportation to support the work included in the Unified Planning Work Program.

SECTION 3: The MPO Secretariat is authorized to provide information and respond to concerns raised by funding agencies.

SECTION 4: The County Manager is authorized to execute Interagency Agreements between the Metropolitan Planning Organization and the Florida Department of Environmental Regulation and between the Metropolitan Planning Organization and the Downtown Development Authority to conduct work as specified in the Unified Planning Work Program.

The foregoing resolution was offered by Commissioner Shack who moved its adoption. The motion was seconded by Commissioner Phillips and upon being put to a vote, the vote was as follows:

Barbara M. Carey	- aye
Clara Oesterle	- aye
Jorge E. Valdes	- aye
Beverly B. Phillips	- aye
James F. Redford, Jr.	- aye
Harvey Ruvin	- aye
Barry D. Schreiber	- aye
Ruth Shack	- aye
Stephen P. Clark	- absent

The Chairman thereupon declared the resolution duly passed and adopted this 23rd day of July, 1982.

METROPOLITAN PLANNING ORGANIZATION
FOR THE MIAMI URBANIZED AREA

BY Charles William Ockert
C. WILLIAM OCKERT
MPO Secretariat

RESOLUTION TPC NO. 18-82

A RESOLUTION RECOMMENDING APPROVAL OF THE RESPONSE TO THE REGION IV INTERMODAL PLANNING GROUP AND THE FY 1983 UNIFIED PLANNING WORK PROGRAM

WHEREAS, on March 8, 1982, the MPO Governing Board approved the First Draft of the 1983 Unified Planning Work Program, and

WHEREAS, the Region IV Intermodal Planning Group of the United States Department of Transportation has submitted comments concerning the First Draft of the FY 1983 Unified Planning Work Program, and

WHEREAS, the Urban Mass Transportation Administration, The Federal Highway Administration and the Florida Department of Transportation have indicated that funding is available to support transportation planning activities of the Metropolitan Planning Organization in FY 1983, and

WHEREAS, the UPWP Committee of the Transportation Planning Council has recommended: 1) a response to the comments submitted by the Intermodal Planning Group, 2) a revised FY 1983 Unified Planning Work Program, and 3) execution of agreements with the Downtown Development Authority and the Florida Department of Environmental Regulation to assist in the implementation of the recommended 1983 UPWP.

NOW, THEREFORE, BE IT RESOLVED BY THE TRANSPORTATION PLANNING COUNCIL OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA:

SECTION 1: That the FY 1983 Unified Planning Work Program final draft prepared and presented by the Unified Planning Work Program Committee is hereby found to be consistent with established local, state and federal goals, objectives and priorities; to be technically sound; and to be within the implementation capabilities and resources of the Metropolitan Planning Organization.

SECTION 2: That the response to the comments of the Region IV Intermodal Planning Group contained in the final draft of the Unified Planning Work Program is hereby endorsed by the Council and is recommended to the Governing Board for its approval.

SECTION 3: That the FY 1983 Unified Planning Work Program final draft is hereby endorsed and it is recommended that the Governing Board of the Metropolitan Planning Organization also endorse this document and that authorization be granted to file the necessary grant application.

SECTION 4: That the agreements with the Downtown Development Authority and the Florida Department of Environmental Regulation described in work element numbers 3.3 and 4.5, entitled "FDER Air Quality Coordination" and "Downtown Transportation Planning" respectively are hereby accepted and that it is recommended that the Governing Board approve and execute same.

The foregoing resolution was offered by Henry E. Pelt who moved its adoption. The motion was seconded by Don Stuart and upon being put to a vote, the vote was as follows:

Warren J. Higgins	- aye
Sylvia Morris King	- absent
Carmen Lunetta	- absent
Richard H. Judy	- absent
M. Barry Peterson	- absent
William M. Powell	- absent
Reginald R. Walters	- aye
Douglas Yoder	- aye
Henry Pelt	- aye
Don Stuart	- aye
Humberto Martinez	- aye
Leslie A. Brook	- absent

The Chairman declared the resolution duly passed and adopted this 12th day of July, 1982.

TRANSPORTATION PLANNING ORGANIZATION
M. P. O.

BY Charles William Ockert

C. WILLIAM OCKERT
MPO Secretariat

INDEX TO TRANSPORTATION PLANNING PROJECTS

CATEGORY I REQUIRED ACTIVITIES		PAGE
A.	Coordinative/Administrative	
1.1	UPWP Development	1
1.2	Program Administration	3
1.3	Committee Support	5
1.4	Project/Program Reviews	7
1.5	FDOT PL Liaison	8
B.	Data Surveillance	
2.1	Highway Surveillance	9
2.2	Transit Surveillance	10
2.3	Monitoring of Travel Demand Indicators	11
2.4	Census Transportation Package	13
2.5	Civil Rights Reporting	14
C.	Systems Planning	
3.1	Transportation Plan	16
3.2	Elderly and Handicapped	20
CATEGORY II	TRANSIT PLANNING	
4.1	Transit Strategic Planning	22
4.2	Transit Route Planning	24
4.9	Metrorail Extension Planning	25
CATEGORY III	OTHER COORDINATIVE ACTIVITIES	
1.6	FDOT HPR Liaison	28
2.7	Monitoring of Transp. Control Measures	29
3.3	FDER Air Quality Coordination	30
4.3	Neighborhood Transp. Planning	31
4.4	Joint Development Planning	33
4.5	Downtown Transportation Planning	35
4.6	Aviation Master Planning	38
4.7	Model Cities Transit Corridor Joint Development	42
4.8	Development Impact on Transportation	43

LIST OF TABLES

TABLE 1	Funding Summary	45
TABLE 2	Revenue Summary	46
TABLE 3	Fund Allocation	47
TABLE 4	Funding Sources	48

APPENDIX

APPENDIX A	Conformance with National Emphasis Areas	49

EXECUTIVE SUMMARY

INTRODUCTION

This document describes transportation planning activities to be conducted in the Miami Urbanized Area in the fiscal year beginning on July 1, 1982.[1] The purpose of the document is to define a cohesive and meaningful transportation planning program as needed to provide a technically sound and policy - sensitive planning basis for the implementation of vital transportation improvements and services in Metro Dade County. As in the past, the work is to be undertaken in a cooperative manner between the various participating County agencies and the Florida Department of Transportation under the policy direction of the MPO Governing Board with technical guidance provided by the Transportation Planning Council and its committees.

PROGRAM OBJECTIVES

The transportation planning activities described in this work program are primarily directed at achieving four important program objectives:

OBJECTIVE 1 PLANNING REQUIREMENTS

Maintain the flow of federal and state transportation funds by providing the coordination and products required to meet planning guidelines and make transportation decisions.

OBJECTIVE 2 TRANSPORTATION FUNDING

Establish the underlying rationale, coordination, and policies needed to achieve agreement on an adequate transportation funding base and a set of transportation improvement priorities.

OBJECTIVE 3 TRANSIT INTEGRATION

Facilitate an effective transition to an integrated bus/rail transit system.

OBJECTIVE 4 METRORAIL EXTENSION

Continue progress in obtaining decisions on an extension of the Metrorail system.

---

[1] Actual work is to commence with the start of the Metro Dade fiscal year -

OBJECTIVE 5 DEVELOPMENT IMPACTS

Develop information and policies concerning the transportation impacts of urban development and the accompanying cost burdens on the transportation system.

ACTIVITIES SUPPORTING THE PROGRAM OBJECTIVES

The Program Objectives are directly addressed by the various work projects that will be undertaken.

OBJECTIVE 1 PLANNING REQUIREMENTS --

A number of projects are to be undertaken that respond to transportation planning requirements. These projects are estimated to cost $942,000. Three types of activities are involved: 1) coordination and administration of the transportation planning program ($200,000), 2) data surveillance activities ($187,000) and 3) systems planning activities ($555,000), with an emphasis on preparing the Metro Dade Transportation Plan.

OBJECTIVE 2 TRANSPORTATION FUNDING --

The primary activity directed at transportation funding issues is the development of the Metro Dade Transportation Plan. In accordance with MPO directives, the Transportation Plan will address transportation funding needs and priorities by demonstrating the magnitude of transportation deficiencies, the increasing gap between transportation revenues and travel demand, and the consequences of relying on existing revenue sources. The MPO board will establish policies in the Transportation Plan concerning transportation funding requirements and improvement priorities. The benefits resulting from the infusion of and adequate funding base will be indicated.

OBJECTIVE 3 TRANSIT INTEGRATION --

An operational bus service plan that complements and is integrated with the Metrorail system is to be developed. Some $285,000 have been allocated to these activities (Category II).

OBJECTIVE 4 METRORAIL EXTENSION

Project 4.9 involves a major work effort to continue progress in developing information needed for decisions on a possible extension of Phase I Metrorail. Involved are tasks to define a preferred technology and corridor. In addition, alignment options are to be defined. Other work elements (costing $200,000) funded elsewhere in the UPWP will directly support this project.

OBJECTIVE 5 DEVELOPMENT IMPACTS --

Five projects address the transportation impacts of land use developments. In updating the Transportation Plan, the travel and cost impacts of the land use pattern contained in the Comprehensive Development Master Plan are to be quantified. A project entitled "Neighborhood Transportation Planning" will focus on transportation needs at a detailed neighborhood level. Two other projects,"Joint Development Planning" and "Model City Joint Development" deal with the potential for achieving land use developments around Metrorail Stations that will promote the use of Metrorail and enhance the life of the surrounding community. Lastly, a project entitled "Development Impacts on Transportation" will allow an analysis of the travel and transportation cost impacts of specific land development proposals.

WORK ACTIVITIES

Following is a general description of the work to be undertaken. Detailed tasks descriptions are contained in the main document entitled "Detailed Project Descriptions."

CATEGORY I. REQUIRED ACTIVITIES

A. COORDINATIVE/ADMINISTRATIVE

1.1 UPWP Development $ 25,000

Develop, monitor, and revise the Unified Planning Work Program.

1.2 Program Administration $ 65,000

Perform administrative tasks such as grant management and preparation of Work Orders, Quarterly Progress Reports, Monthly Fiscal Reports, and Reimbursement Requests.

1.3 Support Committees $ 70,000

Provide Secretariat support for the MPO Advisory Committees, the Transportation Planning Council, and the MPO Board.

1.4 Project/Program Review $ 10,000

Perform A-95 review of transportation plans and projects.

1.5 FDOT PL Liaison $ 30,000

Provide support for work activities by the Florida Department of Transportation Staff.

SUBTOTAL - COORDINATIVE ADMINISTRATIVE $200,000

B. DATA SURVEILLANCE

2.1 Highway Surveillance $ 30,000

Collect and process information on the use of the arterial highway system.

2.2 Transit Surveillance $ 60,000

Assemble and process information on the use of the public transit system. Monitor changes in transit service levels.

2.3 Monitoring of Travel Demand Indicators $ 65,000

Collect and process information on changes in population, employment, and other key indicators of travel demand.

2.4 Census Transportation Package $ 22,000

Obtain information on work trips collected in the 1980 Census.

2.5 Civil Rights Reporting $ 10,000 ✓

Update the report prepared in response to the UMTA 1160.1 Circular.

SUBTOTAL - DATA SURVEILLANCE $187,000

C. SYSTEM PLANNING

3.1 Transportation Plan $510,000

Update the Transportation Plan in accordance with directives of the MPO Board.

1. Refine Policies ($5,000)
   Refine the statement of goals and objectives to be met by the transportation system.

2. Simulate Alternatives ($125,000) 3.1B
   Estimate the future travel implications of alternative investments in the transportation system.

3. Analyze Alternatives ($105,000) −20,000 3.1C
   Assess the consequences of alternative transportation investments.

4. Energy/TSM Analyses ($40,000)
   Develop and analyze ways to better utilize the transportation system and conserve energy.

5. Fiscal Analyses ($60,000)
   Analyze future funding needs and alternatives revenues/sources.

6. 1980's Strategy ($60,000)
   Prepare a document describing policies and actions required to meet the transportation needs of the 1980's.

7. Long - Range Element ($15,000)
   Prepare an update of the Long-Range element of the Transportation Plan.

8. Plan Overview ($20,000)
Prepare a document describing overall transportation policies and recommended actions.

9. Coordination/Citizen Involvement ($80,000)
Maintain the coordination needed to achieve citizen support for the Transportation Plan.

3.2 Elderly & Handicapped Transportation Planning — $45,000

Continue efforts to refine plans for meeting the transportation needs fo the elderly and handicapped.

SUBTOTAL - SYSTEMS PLANNING — $ 45,000

SUBTOTAL - REQUIRED ACTIVITIES — $942,000

CATEGORY II. TRANSIT PLANNING

4.1 Transit Strategic Planning — $200,000

Prepare operational strategies for adjusting bus service to complement Metrorail and achieve a cost effective integrated bus/rail system.

4.2 Transit Route Planning — $ 85,000

Continue evaluation of detailed proposals for modifying bus transit service

4.9 Metrorail Extension Planning — $550,002

Define priority corridors, preferred mode, and alignment options for an extension of Metrorail.

SUBTOTAL - TRANSIT PLANNING — $835,000[2]

CATEGORY III. OTHER COORDINATIVE ACTIVITIES

1.6 FDOT HPR Liaison — $130,000

Provide technical support for the Transportation Plan by the Florida Department of Transportation staff.

2.7 Monitoring of Transp. Control Measures — $ 16,000

Monitor the effectiveness of the Transportation Control Measures contained in the State Implementation Plan for Air Quality.

[2] Does not include $200,000 programmed for other work elements that directly support the Metrorail Extension Planning Project.

3.3 FDER Air Quality Coordination $ 37,000

Continue coordination of transportation/air quality planning by the Florida Department of Environmental Regulation .

4.3 Neighborhood Transportation Plg. $ 20,000

Refine the Transportation Plan in sufficient detail to respond to localized neighborhood issues and opportunities.

4.4 Joint Development Planning $ 50,000

Continue the development of proposals for land uses at Metrorail transit stations (other than at Model Cities stations.)

4.5 Downtown Transportation Planning $ 50,000

Continue efforts to address transportation issues in downtown Miami.

4.6 Aviation Master Planning $660,000

Prepare and/or update plans for Miami International Airport, Tamiami Airport, Opa Locka Airport and Site 14.

4.7 Model Cities Joint Develp. Plg. $ 50,000

Develop proposals for land uses at Metrorail transit stations in the Model Cities area.

4.8 Development Impacts on Transp. $100,000 — 10,000

4.8

Prepare and test techniques for estimating the travel and cost impacts of specific land use proposals.

SUBTOTAL - OTHER COORDINATIVE ACTIVITIES $1,113,000

GRAND TOTAL $2,890,000

CATEGORY I

REQUIRED ACTIVITIES

A. COORDINATIVE/ADMINISTRATIVE

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 1.1

TITLE: REQUIRED ACTIVITIES--
UPWP DEVELOPMENT

OBJECTIVE:

Establish transportation planning priorities that respond to the most critical problemsand planning issues. Maintain meaningful planning program by monitoring the program and proposing revisions as appropriate.

PREVIOUS WORK: This is a continuing activity.

METHODOLOGY:

1. Monitor FY 1983 planning activities and products ($5,000)
   a. Review progress on a periodic basis to insure consistency of work with the approved UPWP.
   b. Assess the effectiveness of the process and products to meaningfully resolve key issues.
   c. Propose UPWP Revisions,as appropriate,to respond to changing issues. Convene UPWP Committee. Present revisions to TPC, the MPO Board, and funding agencies.

(Continued)

END PRODUCT:

1.	Revisions to FY 1983 UPWP.	Due- As needed.
2.	First Draft FY 1984 UPWP.	Due- March, 1983.
3.	Response to IPG Comments.	Due-June, 1983.
4.	Final Draft FY 1984 UPWP.	Due- July, 1983.
5.	Detailed Study Designs.	Due- As Needed.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST
Dade County Transp. Admin./MPO Project Manager: C. W. Ockert		$18,000
PARTICIPATING AGENCIES		
Dade County Transp.Admin./Oper. Dade County Plg. Dept. Dade County Public Works Dept.		1,000 5,000 1,000
TOTAL:		$25,000

FUNDING SOURCES

FEDERAL:

- **UMTA:** $ 10,400
- **112:** $ 10,300
- **HPR:**
- **OTHER:**

STATE:

LOCAL: $ 4,300

TOTAL: $25,000

COMMENTS:

WORK ELEMENT NUMBER: 1.1	TITLE: REQUIRED ACTIVITIES-- UPWP DEVELOPMENT

METHODOLOGY: (CONTINUED)

2. Prepare First Draft of the FY 1984 Unified Planning Work Program ($11,000).
   a. Update statements describing federal and state planning requirements, policy concerns, and transportation issues that need to be addressed.
   b. Prepare estimates of potential planning revenues based on contacts with funding agencies.
   c. Initiate arrangements for obtaining needed matching funds.
   d. Working with the UPWP Committee, TPC, and MPO Board, propose preliminary objectives and priorities.
   e. Based on comments from the TPC and MPO Board, work with the UPWP Committee to prepare a recommended budget and general project descriptions.
   f. Prepare detailed project descriptions, budgets, and product lists.
   g. Present recommended First Draft to the TPC and MPO Board.
   h. Transmit First Draft to the Intermodal Planning Group for comments.
   i. Transmit First Draft for A-95 review.

3. Prepare Final Draft of the FY 1984 Unified Planning Work Program ($6,000).
   a. Prepare response to the comments from the Intermodal Planning Group. Review with the UPWP Committee, the TPC, and the MPO Board.
   b. Firm up planning revenues.
   c. Review FY 1983 work status and specify work to be completed in FY 1984. Estimate carryover funds.
   d. Working with the UPWP Committee, revise text of the Draft UPWP in response to IPG comments, revised revenues, and status of FY 1983 activities. Update detailed budget tables.
   e. Present revised UPWP to the TPC and MPO Board. Finalize document in response to TPC and MPO Board changes.
   f. Transmit Final Draft UPWP to FDOT and federal funding agencies.

4. Prepare detailed Study Designs, as needed ($3,000).
   a. Work with funding agencies and Project Managers to define activities needing additional refinement.
   b. Prepare detailed Study Designs for selected activities.
   c. Review Study Designs with staff working groups, MPO Committees, TPC, and MPO Board, as appropriate.
   d. Transmit detailed Study Designs to funding agencies.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 1.2

TITLE: REQUIRED ACTIVITIES--
ADMINISTER TRANSP. PLG. PROGRAM

OBJECTIVE: Effectively administer funds supporting the Unified Planning Work Program.

PREVIOUS WORK: This is a continuing activity.

METHODOLOGY:

1. Prepare Inter-Agency Agreements ($1,000)
   a. Obtain authorization from the MPO Board to enter into Inter-agency Agreements.
   b. Working with the participating agencies, prepare work scopes.
   c. Prepare draft Inter-agency Agreements. Review with participating agencies and funding agencies as needed.
   d. Obtain necessary signatures on Agreements.
   e. Forward Agreements to participating agencies and funding agencies.

(Continued)

END PRODUCT:

1. Inter-Agency Agreements. Due- As needed.
2. Work Orders. Due- Oct. 1, with periodic updates.
3. Grant Revision Requests. Due- As needed.
4. Monthly Fiscal Reports. Due- First of each month.
5. Quarterly Progress Reports. Due- Within 30 days of end of quarter. (Continued)

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transp. Admin./MPO Proj. Manager: C.W. Ockert		$65,000	FEDERAL: UMTA: $ 27,200 112 : $ 26,500 HPR : OTHER : STATE : LOCAL : $ 11,300
PARTICIPATING AGENCIES			
TOTAL :		$65,000	TOTAL : $65,000

COMMENTS:

WORK ELEMENT NUMBER: 1.2	TITLE: REQUIRED ACTIVITIES--ADMINISTER TRANSP. PLG. PROGRAM

METHODOLOGY: (CONTINUED)

2. Administer the Work Order system ($22,000).
   a. Working with the cognizant Project Manager and division/department head, prepare draft Work Order Requests. Transmit signed Work Order Requests.
   b. Review Work Order Requests to assure consistency with the UPWP scope of work and grant budgets.
   c. Obtain concurrence of the finance office.
   d. Issue Work Orders.
   e. Prepare Requests for Work Order Revisions, as appropriate.
   f. Revise Work Orders in accordance with procedures approved by the TPC and MPO Board.
   g. Issue revised Work Orders, as appropriate.

3. Administer grants supporting the UPWP ($8,000).
   a. Process grant awards.
   b. Prepare grant revisions in response to UPWP Revisions and other minor budget adjustments approved by the TPC.
   c. Discuss grant status with funding agencies on a periodic basis.

4. Prepare status reports ($16,000).
   a. Prepare monthly fiscal reports describing status of Work Orders, budget authorizations, estimated expenditures, and requested Work Order Revisions.
   b. Prepare Quarterly Progress Reports and submit to the TPC, MPO Board, and funding agencies.

5. Process Reimbursement Requests from participants ($7,000).
   a. Prepare Reimbursement Requests on a quarterly basis (or sooner if desired).
   b. Review Reimbursement Requests for consistency with the UPWP, Work Orders, Agreements, and supporting grants.
   c. Process payments.

6. Process reimbursements from funding agencies ($6,000).
   a. Prepare requests and backup fiscal information.
   b. Transmit requests to funding agencies.

7. Close-out grants ($5,000).
   a. Initiate close-out proceedings.
   b. Prepare and transmit final budgets and other supporting fiscal information.
   c. Prepare and transmit Project Completion Reports.
   d. Conduct audits, as required.

END PRODUCT: (CONTINUED)

6. Reimbursement Requests. Due- Quarterly.
7. Reimbursement Requests. Due- Quarterly.
8. Project Completion Reports. Due- When grant is closed out.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 1.3

TITLE: REQUIRED ACTIVITIES--
SUPPORT COMMITTEES

OBJECTIVE: Insure active involvement in critical transportation issues by the Transportation Planning Council, various MPO Committees, and the MPO Board. Process required planning documents.

PREVIOUS WORK: This is a continuing activity.

METHODOLOGY:

1. Provide staff support for the Transportation Planning Council ($20,000).
   a. Organize meetings. Prepare agendas and various backup materials.
   b. Process TPC resolutions.
   c. Prepare minutes and follow-up on various directives.
   d. Respond to day-to-day concerns of TPC members.

2. Provide staff support for the MPO Board ($15,000).
   a. Organize meetings. Prepare agendas and various backup materials.
   b. Process MPO Board resolutions.
   c. Prepare minutes and follow-up on various directives.
   d. Respond to concerns of MPO Board members.

(Continued)

END PRODUCT:

1. Agendas and backup materials. Due - Monthly.
2. Minutes of TPC and MPO Board. Due-Monthly.
3. Minutes of various MPO Committees, Task Forces, and staff working groups. Due - As needed.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transp. Admin./MPO Proj. Manager: C. W. Ockert		$45,000	FEDERAL: UMTA: $ 29,600 112 : $ 28,200 HPR : OTHER:
PARTICIPATING AGENCIES			
Dade County Transp. Admin./ Operations Dade County Plg. Department Dade County Public Works Dept.		5,000 15,000 5,000	STATE : LOCAL : $ 12,200
TOTAL:		$70,000	**TOTAL:** $70,000

COMMENTS:

WORK ELEMENT NUMBER: 1.3	TITLE: REQUIRED ACTIVITIES--SUPPORT COMMITTEES

Methodology: (CONTINUED)

3. Provide staff support for MPO Committees ($35,000)
   a. Support Intergovermental Policy Council.
   b. Support Citizen Involvement Policy Committee.
   c. Support the UPWP Committee, the Transportation Plan Committee, and other MPO technical committees.
   d. Support various Task Forces such as Dupont Plaza and Seaport Access.
   e. Organize and support staff working groups and Task Forces to address issues as they emerge.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 1.4

TITLE: REQUIRED ACTIVITIES--
PROJECT/PROGRAM REVIEWS

OBJECTIVE:

Insure consistency of proposed transportation plans and improvement projects with the Comprehensive Development Master Plan and other public policies.

PREVIOUS WORK:

This is a continuing activity.

METHODOLOGY:

1. Continue operation of Metropolitan A-95 Clearinghouse for transportation related programs and plans within Dade County.
2. Review the transportation element of municipal plans and amendments to municipal plans.
3. Review transportation-related projects, programs and activities for consistency with metropolitan plans and policies.

END PRODUCT:

Letters or memos documenting the review of projects, programs and activities.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Plg. Dept. Proj. Manager: J. Woodlief		$10,000	FEDERAL: UMTA: $ 4,000 112 : $ 4,300 HPR : OTHER:
PARTICIPATING AGENCIES			STATE :
			LOCAL : $ 1,700
TOTAL :		$10,000	TOTAL : $10,000

COMMENTS:

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 1.5

TITLE: REQUIRED ACTIVITIES -- PL LIAISON

OBJECTIVE: Maintain meaningful cooperative local/state planning program by involving FDOT staff.

PREVIOUS WORK: This is a continuing activity.

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

END PRODUCT:
1. Attendance at MPO meetings by FDOT. Due - As called.
2. Requested data. Due - As requested.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
FDOT Proj. Manager: H. Pelt		$30,000	FEDERAL: UMTA: 112 : HPR: OTHER: STATE: $30,000 LOCAL:
PARTICIPATING AGENCIES			
TOTAL:		$30,000	TOTAL: $30,000

COMMENTS:

B. DATA SURVEILLANCE

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 2.1

TITLE: REQUIRED ACTIVITIES -- HIGHWAY SURVEILLANCE

OBJECTIVE:

Provide a sound foundation for transportation planning analyses by maintaining Dade County's data base concerning the quantity and characteristics of vehicular traffic on the arterial highway system.

PREVIOUS WORK:

The Dade County Public Works Department, with support from FDOT, maintains a computerized historical listing of traffic data, in conjunction with a computerized road inventory and an up-to-date accident information system.

METHODOLOGY:

1. Assemble county and FDOT quarterly and permanent traffic county information.
2. Calibrate count data available at numerous locations to expand average daily traffic information at other locations.
3. Assemble vehicle occupancy and classification counts at selected quarterly count stations for different functional roadway classifications and geographical locations.
4. Compile traffic count data and prepare annual ADT map.

END PRODUCT:

1. County-wide traffic count data.
2. Annual ADT Map. Due-Mid-March, 1983.
3. Input to report describing travel patterns and characteristics.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Public Wks. Dept. Proj. Mgr.: D. Rhinard		$30,000	FEDERAL: UMTA: 112: $ 25,700 HPR: OTHER: STATE: LOCAL: $ 4,300
PARTICIPATING AGENCIES			
TOTAL:		$30,000	TOTAL: $30,000

COMMENTS:

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 2.2

TITLE: REQUIRED ACTIVITIES--
TRANSIT SURVEILLANCE

OBJECTIVE: Meet U.S. DOT requirements. Support planning for the delivery of transit services in Dade County. Support the Transit Strategic Planning element (4.1), the Transit Route Planning element (4.2) and the annual update of the UMTA Circular 1160.1, and the preparation of the Transportation Plan.

PREVIOUS WORK: This work involves an update of transit information collected in FY'82 in element 2.2, Collect Transit Information. Previous work also includes the 1980 On-board Survey.

METHODOLOGY:

Data will be collected on-board Metrobus vehicles and at specifically chosen locations to determine passenger loading activity by location, time and direction of travel. Service delivery levels, schedule adherance and travel times are also assessed by operations staff. Checks are made for a number of data items including, but not limited to, peak load levels, transfer rates, transfer waiting times and locations, passenger fares paid, vehicle dwell times and bus sign accuracy.

END PRODUCT: Detailed passenger activity data on Metrobus routes and activity centers.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transp. Admin./ Operations Proj. Manager: Howard Eisenstadt		$ 60,000	FEDERAL: UMTA: $ 48,000 112: HPR: OTHER: STATE: LOCAL: $12,000
PARTICIPATING AGENCIES			
TOTAL:		$ 60,000	TOTAL: $60,000

COMMENTS:

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 2.3	TITLE: REQUIRED ACTIVITIES -- MONITOR TRAVEL DEMAND INDICATORS

OBJECTIVE:

Respond to needs of transportation planning analyses for data on key variables that affect travel demand.

PREVIOUS WORK:

This project continues past efforts to provide data on the extent and character of metropolitan growth as reflected by specific indicators utilized in analyzing travel demand.

METHODOLOGY:

1. Update current data sets ($45,000).
   a. Monitor sources of relevant data and acquire products. Involved is an on-going activity to obtain computer tape files, County, and State government and private sector publications, recent aerial photography, and current maps.

   b. Process raw data into a computer-readable file. The raw file must be checked for definitional conformity with transportation model variables, pertinent indicators must be extracted from the raw data, errors and inconsistencies identified and corrected, and data converted to usable format.

(Continued)

END PRODUCT:

Upgraded data set of key variables, corresponding to area-specific Census tabulations. Due Oct. 1, 1983.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Plg. Dept. Proj. Mgr: C. Blowers		$65,000	FEDERAL: UMTA: $ 27,200 112 : $ 26,500 HPR: OTHER: STATE: LOCAL: $ 11,300
PARTICIPATING AGENCIES			
TOTAL:		$65,000	TOTAL: $65,000

COMMENTS:

WORK ELEMENT NUMBER: 2.3	TITLE: REQUIRED ACTIVITIES -- MONITOR TRAVEL DEMAND INDICATORS

METHODOLOGY: (CONTINUED)

c. Create a preliminary disaggregated data set for each variable. Data are ADMATCHed to traffic analysis zone geography. Zonal data must be examined for consistency, ADMATCH errors corrected, and rejects code.

d. Integrate revised variable data into unified data base and finalize on a permanent tape file.

2. Achieve data set correspondence with Census data ($15,000).
   As area-specific Census data become available under the current extended release schedule of the Census Bureau, aggregate or disaggregate data to zonal level and check against current data sets for conformity. If necessary, adjust current data set so as to achieve conformity with Census data.

3. Apply computer mapping analysis($5,000).
   Utilize computer mapping to analyze spatial distribution of selected variables or interrelationships of data variables for the purpose of checking data validity and consistency.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 2.4

TITLE: REQUIRED ACTIVITIES -- CENSUS TRANSP. PACKAGE

OBJECTIVE:
Provide a solid basis for transportation planning analyses by acquiring the 1980 Urban Transportation Planning Package from the U.S. Bureau of the Census.

PREVIOUS WORK:
The 1970 UTPP was purchased and utilized in transportation planning.

METHODOLOGY:
The Transportation Planning Package will be purchased in usable form from the Census Bureau.

END PRODUCT:
Computerized Transportation Planning package useful for validating work trip portion of travel models. Data will also be used to check non-census based transportation planning variable estimates.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Florida Dept. of Transportation Proj. Manager: H. Pelt		$22,000	FEDERAL: UMTA: 112 : $17,600 HPR: OTHER: STATE : $4,400 LOCAL :
PARTICIPATING AGENCIES			
TOTAL :		$22,000	TOTAL: $22,000

COMMENTS:

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 2.5

TITLE: REQUIRED ACTIVITIES - CIVIL RIGHTS REPORTING

OBJECTIVE: Meet U.S. DOT Requirements. Support Planning for the delivery of transit services in Dade County.

PREVIOUS WORK: A report responding to the UMTA 1160.1 Circular is updated annually and submitted to UMTA.

METHODOLOGY:

1. Analyze all Federal grants having a transportation component recieved by the County.
2. Document the disposition of the Civil Rights suits and complaints against Dade County Transportation Administration.
3. Analyze impacts of planned fixed facilities as they relate to minority business or residential property.

END PRODUCT:

Update of 1160.1 Circular response. Due - ~~February~~ Aug., 1983.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transp. Admin Project Manager: Howard Eisenstadt		$10,000	FEDERAL: UMTA: $8,000 112 : HPR : OTHER : STATE : LOCAL : $ 2,000
PARTICIPATING AGENCIES			
TOTAL :		$10,000	TOTAL : $10,000

COMMENTS:

WORK ELEMENT NUMBER: 2.5	TITLE: REQUIRED ACTIVITIES -- CIVIL RIGHTS REPORTING

METHODOLOGY (CONTINUED)

4. Update all aspects of public involvement or community information program including:

   a. Mail notices
   b. Newspaper advertisements
   c. Face to face contacts
   d. Planning Advisory Board Meetings and public hearings
   e. News Release
   f. Composition of standing public committees.

5. Analyze all technical and planning assistance grants to determine their impact on minorities.

C. SYSTEMS PLANNING

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 3.1

TITLE: REQUIRED ACTIVITIES -- TRANSPORTATION PLAN

OBJECTIVE:

Develop a Transportation Plan that provides a basis for achieving an adequate funding base, implementing transportation improvements, and maintaining consistency with the Comprehensive Development Master Plan.

PREVIOUS WORK:

A major effort to update and significantly expand the Transportation Plan was initiated in FY 1982. By the end of the FY 1982, is anticipated that:

(Continued)

METHODOLOGY:

1. Refine transportation policies in response to findings of initial travel and fiscal analyses ($5,000).
   a. Compare objectives and service standards contained in initial policies with findings of travel analyses.
   b. Review initial policies against fiscal data to insure realism.
   c. Revise transportation policies to be consistent with potential fiscal resources.
2. Simulate the impact of additional investment scenarios ($125,000)
   a. Code and debug networks representing assumed transportation improvements identified in Item 3 below.
   b. Adjust growth projections to reflect assumed transportation improvements.

(Continued)

END PRODUCT:

1. Updated Transportation Policy Statement. Due June, 1983.
2. Travel simulation results for alternatives. Due Jan., 1983-July 1983.
3. Tabulations, graphics, and memos describing travel, energy, and environmental conditions under basic investment levels. Due Dec. 1, 1982.

(Continued)

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST
Dade County Transp. Admin. Proj. Manager: C.W. Ockert		$290,000
PARTICIPATING AGENCIES		
Dade County Transp. Admin/Oper.		$160,000
Dade County Plg. Dept.		50,000
Dade County Public Works Dept.		10,000
TOTAL:		$510,000

FUNDING SOURCES

FEDERAL:
- UMTA: $ 217,600
- 112: $ 203,500
- HPR:
- OTHER:

STATE:

LOCAL: $88,900

TOTAL: $510,000

COMMENTS:

WORK ELEMENT NUMBER: 3.1	TITLE: REQUIRED ACTIVITIES -- TRANSPORTATION PLAN

PREVIOUS WORK: (CONTINUED)

1) An initial set of transportation policies will be established.
2) The travel simulation techniques will be both upgraded to use the 1,089 zonal system and validated against 1980 base-year traffic counts and transit ridership figures.
3) Future-year growth will be estimated and travel networks representing basic investment levels will be simulated.
4) Initial fiscal data describing transportation costs and revenues will be assembled.
5) TSM and energy contingency measures will be further refined.
6) Preparation of the 1980's Strategy Element will be initiated.

METHODOLOGY: (CONTINUED)

c. Simulate travel, fuel consumption, and environmental impacts of alternatives using simulation techniques.

3. Analyze alternative investment scenarios ($105,000)

Mid-Range Analysis

a. Tabulate and analyze basic travel simulation output to flag most critical transportation problems in the 1980's.
b. Access underlying causes of problems.
c. Define alternative levels of investments to be evaluated.
d. Define transportation improvements and TSM measures that would be implemented under assumed alternative investment levels.
e. Tabulate and analyze the output of the travel simulations discribed in Item 2 above.
f. Estimate environmental and community empacts of transportation alternatives.
g. Refine and revise alternative transportation needs while maintaining consistency with assumed investment levels.

Long-Range Analysis

a. Review and analyze results of long-range travel simulations.
b. Identify those planned improvements that appear to be most effective in meeting long-range transportation needs.
c. Indicate problems that remain assuming implementation of the most effective improvements.
d. Compare benefits of planned improvements for the year 2005 with the long-range impacts of building only committed improvements.
e. Define additional alternatives to be subjected to long-range travel simulations.
f. Tabulate and analyze results of additional travel simulations.

4. Continue energy/TSM analyses ($40,000)

a. Continue refinement of most promising TSM measures.
b. Continue refinement of priority energy contingency measures previously identified.
c. Assess ability of TSM measures to solve problems.
d. Cost-out TSM measures and identify alternative implementation responsibilities and source of funds.
e. Prepare TSM/energy section of the 1980's Strategy Element and Long-Range Element.
f. Develop recommendations for increasing the effectiveness of the taxi fleet.

WORK ELEMENT NUMBER: 3.1	TITLE: REQUIRED ACTIVITIES-- TRANSPORTATION PLAN

METHODOLOGY: (CONTINUED)

5. Continue fiscal analyses ($60,000).
   a. Update and refine projections of future revenues derived from alternative funding sources.
   b. Update estimates to complete various capital improvements.
   c. Update estimates to maintain highway facilities.
   d. Update estimates to maintain transit facilities and services.
   e. Synthesize information on revenues and costs.
   f. Prepare fiscal input to the 1980's Strategy Element and Long-Range Element.

6. Develop the 1980's Strategy Element ($60,000).
   a. Review and revise the introductory section.
   b. Update the needs section using new growth and simulation findings.
   c. Update section describing committed improvements.
   d. Update maintenance/operational section.
   e. Revise TSM/energy section, as needed.
   f. Revise fiscal section, as needed.
   g. Document consequences of inaction.
   h. Prepare the Executive Summary.
   i. Revise the draft document in response to comments received from MPO Committees and citizens.

7. Develop the Long-Range Element ($15,000).
   a. Review the introductory section.
   b. Finalyze the long-range needs section.
   c. Revise TSM/energy section, as needed.
   d. Revise long-range fiscal section, as needed.
   e. Prepare long-range and staging recommendations.
   f. Prepare the Executive Summary.
   g. Revise the draft document in responseto comments received from MPO Committees and citizens.

8. Develop the Plan Overview ($20,000).
   a. Prepare section summarizing policies.
   b. Prepare section summarizing transportation needs.
   c. Prepare section describing need for adequate funding.
   d. Prepare section describing the need for operational and maintenance support.
   e. Prepare section recommending TSM measures.
   f. Prepare section recommenidng capital improvements.
   g. Prepare section describing staging strategy.
   h. Prepare section describing the consequences of inaction.
   i. Prepare section describing plan refinement and updating procedures.
   j. Prepare section describing the consequences of inaction.
   k. Prepare Executive Summary.
   l. Revise the draft document in response to comments received from MPO Committees and citizens.

9. Conduct the coordination/citizen involvement process ($80,000).
   a. Meet regularly with the Transportation Plan Committee to review progress, products, and responses to comments from the TPC, MPO Board, and citizens
   b. Prepare monthly status reports to the TPC and MPO Board.
   c. Review progress and products with the Public Involvement Policy Committee Solicit comments. Respond to concerns and comments.

WORK ELEMENT NUMBER: 3.1	TITLE: REQUIRED ACTIVITIES-- TRANSPORTATION PLAN

METHODOLOGY: (CONTINUED)

d. Review progress and products with the Intergovernmental Policy Council. Solicit comments. Respond to concerns and comments.

e. Meet with various citizen groups. Solicit comments. Respond to concerns and comments.

f. Inform various legislators. Solicit comments. Respond to concerns and comments.

END PRODUCT: (CONTINUED)

3. Tabulations, graphics, and memos describing travel, energy, and environmental conditions under basic investment levels. Due Dec. 1, 1982.

4. Tabulations, graphics, and memos describing travel, energy, and environmental conditions under assumed alternative investment scenarios. Due Feb., 1983 thru August, 1983.

5. Memos documenting update of TSM/energy analyses. Due July, 1983.

6. Memos documenting update of fiscal analyses. Due July, 1983.

7. 1980's Strategy Element. Due Sept., 1983.

8. Long-Range Element. Due Sept., 1983.

9. Plan Overview. Due Sept., 1983.

10. Response to comments received from MPO Committees and citizens. Due - as appropriate.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 3.2

TITLE: REQUIRED ACTIVITIES -- ELDERLY AND HANDICAPPED TRANSPORTATION PLANNING

OBJECTIVE: To plan alternative methods of service delivery for the Elderly and Handicapped(E&H) in order to maximize service efficiency and effectiveness, consistent with UMTA Section 504 regulations and Chapter 427 or the Florida Statutes.

PREVIOUS WORK:

1) The Special Transportation Service (STS) has been revised as follows:
   a) Contractor is reimbursed on a unit price basis,
   b) STS operates 5 instead of 7 days per week,

(Continued)

METHODOLOGY:

1. Develop and revise monitoring and evaluation procedures to measure the effectiveness of alternative service delivery methods ($10,000).
2. Provide technical support to the local advisory groups dealing with the planning and management of coordinated services ($7,000).
3. Provide staff support to the Elderly and Handicapped Transportation Advisory Committee (E&H TAC) ($8,000).
4. Update the Transportation Disadvantaged Plan ($12,000).

(Continued)

END PRODUCT:

1. Monitoring and evaluation reports regarding alternative methods of service delivery for the elderly and handicapped.

(Continued)

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transp. Admin. Project Manager: Clark Turner		$ 45,000	FEDERAL: UMTA: $ 36,000 112 : HPR : OTHER: STATE : LOCAL : $ 9,000
PARTICIPATING AGENCIES			
TOTAL :		$ 45,000	TOTAL : $45,000

COMMENTS:

WORK ELEMENT NUMBER: 3.2	TITLE: REQUIRED ACTIVITIES--ELDERLY AND AND HANDICAPPED TRANSPORTATION PLANNING

PREVIOUS WORK: (CONTINUED)

c) The variable fares have been increased,
d) A limit is placed on the number of user trips available per day.

2) Updated inventory of social service agency transportation resources.
3) Continued staff support provided to the E&H TAC.
4) Continued staff support provided to the Service and Methods Demonstration Local Review Panel

METHODOLOGY: (CONTINUED)

5. Update adopted five-year Elderly and Handicapped Transportation Improvement Program ($8,000).

END PRODUCT: (CONTINUED)

2) Agency agreements.
3) Special reports.
4) Minutes of meetings.
5) Updated Transportation Disadvantaged Plan.
6) Updated Five-Year Transportation Improvement Plan.

CATEGORY II

TRANSIT PLANNING

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.1	TITLE: TRANSIT PLANNING ACTIVITIES-- TRANSIT STRATEGIC PLANNING

OBJECTIVE: Develop methodological process to evaluate detailed bus networks for integration with METRORAIL and DCM systems. Define goals for service of each phase and develop functional networks for implementation concurrent with each rail phase.

PREVIOUS WORK: Incremental Bus Study

METHODOLOGY:

A. Devise Procedures ($35,000)
   1. Develop methodology for evaluating network changes.
   2. Develop cost estimating process.
   3. Develop fare revenue estimation process.
   4. Define process for translating service and financial goals to network characteristics.
   5. Code and combine programs and JCL to produce appropriate network statistics and comparisons.
   6. Test & debug process.
   7. Documentation.

(Continued)

END PRODUCT:

A. Methodology for evaluating system costs & changes.
B. Validated transit networks for integrated Metrobus, Metrorail and DCM infrastructure.
C. Implementation schedule.
D. Computer data and networks.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transp. Admin./ Operations Proj. Manager: D. Fialkoff		$200,000	FEDERAL: UMTA: $160,000 112 : HPR : OTHER: STATE : LOCAL : $40,000
PARTICIPATING AGENCIES			
TOTAL :		$200,000	TOTAL : $200,000

COMMENTS:

WORK ELEMENT NUMBER: 4.1	TITLE: Transit Planning Activities/ Tansit Strategic Planning

METHODOLOGY:

B. Develop and Test Alternatives ($75,000)
   1. Develop METROBUS networks for integration with each phase of METRORAIL and the DCM as they are phased in.
   2. Develop peak, off-peak, grid and transfer networks.
   3. Develop alternative fare structures.
   4. Debug networks.

C. Evaluate and Choose Alternatives ($25,000)
   1. Compare alternatives to projected financial and service goals.
   2. Present viable alternatives to policy makers for selection of preferred implementation plan.

D. Develop Implementation Plan ($45,000)
   1. Determine schedule components and actors.
   2. Develop preliminary schedule.
   3. Hold meeting of relevant actors for presentation and revision of schedule.
   4. Revise schedules.

E. Computer Costs ($20,000)

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.2

TITLE: TRANSIT PLG. ACTIVITIES--
TRANSIT ROUTE PLG.

OBJECTIVE: Improve the productivity and efficiency of the Metrobus route network. Work toward integrating Metrobus services with Metrorail and the Downtown Component of Metrorail (DCM).

PREVIOUS WORK: Previous route planning work has been funded partially by FY'82 element 2.2D (Collect Transit Information-Route Surveys) and partially by local funds.

METHODOLOGY: Analyze data collected in Transit Surveillance element and data from other sources for passenger use levels, activity points, service delivery and network integration efficiencies. Synthesize data and develop alternative service patterns, where necessary, using parameters established in the TDP and operating budget. Prepare service recommendations to improve transit service and to integrate Metrobus, Metrorail and DCM services.

END PRODUCT: Memos recommending Metrobus service changes to improve service delivery and provide multi-modal service interfacing for line-up and non-line-up time periods.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transp. Admin./ Operations Proj. Manager: D. Fialkoff		$85,000	FEDERAL: UMTA: $68,000 112 : HPR : OTHER : STATE : LOCAL $17,000
PARTICIPATING AGENCIES			
TOTAL :		$85,000	TOTAL : $85,000

COMMENTS:

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.9

TITLE: Metrorail Extension Planning Project

OBJECTIVE: Define a priority corridor(s), preferred mode, and alternative alignments for an extension of the Stage I Metrorail project.

PREVIOUS WORK: General analyses of alternative corridors were undertaken in defining the Stage I Metrorail project. General corridors are specified in the Dade County Transportation Plan.

METHODOLOGY:

1. Develop Project Methodologies and Monitoring $40,000

   Develop CPM, specific scope of work, staff assignments, and other related project control mechanisms. MPO and citizens advisory mechanisms are to be included.

END PRODUCT: Summary report recommending a priority corridor(s), preferred mode, and alignment options.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transportation Administration[1] Project Manager: To be Determined		$550,000	FEDERAL: UMTA: $300,000 112: HPR: OTHER: STATE: $ 37,500 LOCAL: $212,500
PARTICIPATING AGENCIES			
TOTAL:		$550,000[2]	TOTAL: $550,000

COMMENTS: [1]Agency allocation to be defined in the scope of work prepared in Task 1.
[2]An additional $200,000 allocated to other projects directly support this project.

WORK ELEMENT NUMBER: 4.9	TITLE: Metrorail Extension Planning Project

METHODOLOGY: (Continued)

2. Corridor Selection Review ($30,000 support available from Element 3.1)

The adopted Year 2000 Transportation Plan for the Miami MPO has three future phases for METRORAIL expansion. These corridors need to be reconfirmed and phased extensions agreed to as the basis for this systems planning effort. New corridors, if any, should be considered only if land use, demographic, or citizens involvement concerns justify an adopted change to the Transportation Plan. The MPO Governing Board, the Transportation Planning Council, and citizens will be involved in this activity.

3. Corridor Refinement and Examination $60,000 ($20,000 support available from Element 3.1)

Various reserved bus lane, heavy rail, and light rail alignments within corridors will be identified and examined. Possible alignments, design standards, station sites, or high/low light rail platform configurations will be examined for land use, traffic and access compatibility, and environmental considerations. Interface with METRORAIL and DCM facilities, use of common yards, and the positive and negative impacts on bus operations and bus movement diversions will be considered.

4. Model Development and Analysis $120,000 ($130,000 support available from FY 1982 UPWP and Element 3.1)

A thorough review of the Miami regional modeling process has been initiated. This review will result in refinements to current modeling practices. In this task, rough ridership levels will be developed for selected alignments and modes in the preferred corridors. The most recent demongraphic data and transit useage levels will be incorporated into these projections to be used only for order-of-magnitude evaluation purposes.

5. Alignment/Technology Refinement $100,000

Based on the results of Elements No. 3 and 4, and in conjunction with the findings of these activities, a series of possible alignment/technology concepts will be advanced. The land use, ridership, displacements, environmental, and modal interface impacts of these refinements will become determinants in the future evaluation efforts. Physical and operations constraints and favorable considerations for each alternative will be analyzed.

6. Citizen Involvement Program $140,000 ($20,000 support available from Element 3.1)

As the desired corridors and options are refined, extensive contact with citizens in the impacts areas will be initiated through neighborhood and county-wide meetings. Element No. 2 and No. 3 and No. 5 will be reviewed by citizens groups. The MPO Governing Board and the Transportation Planning Council will be integrated into the planning/citizen involvement process.

WORK ELEMENT NUMBER: 4.9	TITLE: Metrorail Extension Planning Project

METHODOLOGY: (Continued)

7. Cost/Benefit Analysis $50,000

A series of economic cost/benefit analyses will be conducted on a selected group of technologies. Alignments for various technologies found to be desirable as well as the null option will be examined for cost/benefit relationships. Rough capital and operating costs will be prepared for different options for analysis purposes. Possible impacts to bus operations costs for current levels, possible benefits from land use changes, as well as, traditional cost/benefit factors will be examined.

8 Final Determinations $40,000

The systems planning process will conclude with a summary report, incorporatiing preferred future mode and alignment options in the selected corridors. Cost/benefit data for Element No. 7 will be used in the final preferred option(s) for eventual further detailed study beyond a systems planning level. Citizens and MPO acceptance of these final determinations will be required.

CATEGORY III

OTHER COORDINATIVE ACTIVITIES

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 1.6

TITLE: OTHER COORDINATION ACTIVITIES-FDOT HPR LIAISON

OBJECTIVE:

Help achieve a meaningful transportation planning program by involving staff from FDOT.

PREVIOUS WORK:

This activity is continuing in nature.

METHODOLOGY:

FDOT staff assist various MPO planning activities.

END PRODUCT:

Attendance of FDOT staff at MPO meetings. Provision of data and technical assistance, as requested.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
FDOT Proj. Mgr: H. Pelt		$130,000	FEDERAL: UMTA: 112 : HPR : $104,000 OTHER:
PARTICIPATING AGENCIES			STATE : $ 26,000 LOCAL : —
TOTAL :		$130,000	TOTAL : $130,000

COMMENTS:

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 2.7

TITLE: OTHER COORDINATIVE ACTIVITIES-MONITOR TRANSP. CONTROL MEASURES

OBJECTIVE:

Insure that approved Transportation Control Measures are effective in maintaining air quality standards.

PREVIOUS WORK:

Transportation Control Measures were included in the Transportation Control Plan incorporated in the State Implementation Plan for Air Quality.

METHODOLOGY:

1. Determine whether Transportation Control Measures are implemented as proposed in the Transportation Control Plan.

2. Determine the effectiveness of approved Transportation Control Measures in reducing air pollution emmissions.

* Tasks 8, 11, and 12 in Grant FL-19-0004.

END PRODUCT:

Report describing the effectiveness of approved Transportation Control Measures.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transportation Administration Proj. Mgr: Jose-Luis Mesa		$16,000	FEDERAL: UMTA: $16,000* 112: HPR: OTHER:
PARTICIPATING AGENCIES			STATE: LOCAL:
TOTAL:		$16,000	TOTAL: $16,000

COMMENTS:

*EPA Section 175 funds.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 3.3

TITLE: OTHER COORDINATIVE ACTIVITIES - FDER AIR QUALITY COORDINATION

OBJECTIVE:

Coordinate air quality/transportation planning activities of the various MPO's in the state.

PREVIOUS WORK:

This work has been funded for the past two years.

METHODOLOGY:

FDER coordinates various air quality/transportation planning activities of the various MPO's in the state.

END PRODUCT:

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Florida Dept. of Environmental Regulation Proj. Mgr.: Don Stuart		$37,000	FEDERAL: UMTA: $37,000* 112: HPR: OTHER:
PARTICIPATING AGENCIES			STATE: LOCAL: —
TOTAL:		$37,000	TOTAL: $37,000

COMMENTS: Remaining Environmental Protection Agency funds (Section 175) passed through UMTA that are allocated to FDER for statewide coordination activities.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.3

TITLE: OTHER COORDINATION ACTIVITIES - NEIGHBORHOOD TRANSPORTATION PLANNING

OBJECTIVE:

To refine the Transportation Plan at the neighborhood level in conjunction with the preparation of a series of comprehensive neighborhood area studies.

PREVIOUS WORK:

At least 15 detailed neighborhood plans with transportation elements have been prepared. The avarage size of the neighborhoods has been about four square miles.

METHODOLOGY:

1. Inventory existing transportation conditions at a neighborhood level.
2. Prepare neighborhood transportation plans responding to future conditions.
3. Propose implementation programs.
4. Obtain citizen input by means of neighborhood meetings conducted by the Dade County Planning Department, the Planning Advisory Board, and the Dade County Board of County Commissioners.
5. Flag localized issues that need to be addressed in the Dade County Transportation Plan.

END PRODUCT:

1. Detailed transportation plans for selected neighborhood.
2. Program of implementation including recommendations for opening, closing, or religning roadways, reducing curb cuts, and intensifyihg/modifying land uses to correct transportation problems.

(Continued)

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Planning Department Proj. Manager: J. Woodlief		$20,000	FEDERAL: UMTA: $ 8,800 112 : $ 7,700 HPR: OTHER: STATE: LOCAL: $ 3,500
PARTICIPATING AGENCIES			
TOTAL:		$20,000	TOTAL: $20,000

COMMENTS:

WORK ELEMENT NUMBER: 4.3	TITLE: OTHER COORDINATION ACTIVITIES -- NEIGHBORHOOD TRANSPORTATION PLANNING

END PRODUCT: (CONTINUED)

3. List of issues to be addressed in the Dade County Transportation Plan.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.4

TITLE: Other Coordinative Activities - Joint Development Planning

OBJECTIVE: To develop projects that will coordinate private land development with public transportation improvements so that maximum financial, social and community design benefits can be realized. These projects will create a safer, more harmonious and aesthetic environment which can result in increased rider-(con't)

PREVIOUS WORK: The identification and evaluation of joint development opportunities at selected Metrorail station sites primarily in the Dadeland area; the refinement of studies and development packages for these and other properties; the preparation of summary reports and recommendations on findings; (con't

METHODOLOGY: FY'83 program activities will specifically concentrate on accessing and promoting the joint development potential of Metrorail and DCM station sites. This will be accomplished by completing the following tasks:

1. Monitoring development trends and reviewing development proposals in order to promote joint development activities ($5,000).
2. Reviewing and establishing procedures, guidelines, spatial requirements and joint use design criteria to evaluate development proposals ($20,000).
3. Preparing requests for proposals for approximately two selected joint development projects ($20,000).
4. Preparing and distributing a limited number of development brochures and participating in seminars and workshops designed to stimulate private sector interest in joint development proposals ($5,000).

END PRODUCT:

1. Design criteria and procedural guidelines for evaluating joint development proposals and preparing RFPs will be due September, 1983.
2. Joint development project proposals for selected stations will be due September, 198
3. Brochures illustrating potential joint development projects for distribution to the (cont'd)

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transportation Administration/Real Estate & Development Project Manager: Les Green		$50,000	FEDERAL: UMTA: $40,000 112: HPR: OTHER:
PARTICIPATING AGENCIES			STATE: LOCAL: $10,000
TOTAL:		$50,000	TOTAL: $50,000*

COMMENTS: * Activities have been scaled down to reflect limited funding. Scope of work program will be expanded to include more joint development planning projects should additional funds become available.

WORK ELEMENT NUMBER: 4.4	TITLE: Other Coordinative Activities - Joint Development Planning

OBJECTIVE: (cont'd)

ship and operating revenue for the Metrorail System.

PREVIOUS WORK: (cont'd).

the preparation and adoption of joint use policies and strategies; the formulation of procedural guidelines for evaluating proposals and preparing RFP's; the formulation of joint development project proposals for selected stations and the preparation of brochures illustrating potential joint development projects at specific Metrorail station properties for distribution to the public.

END PRODUCT:

public will be due September 1983.

F.Y. '83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.5

TITLE: COORDINATIVE ACTIVITIES
DOWNTOWN TRANSPORTATION PLANNING

OBJECTIVE: Coordinate the various downtown transportation-related activities so as to develop projects aimed at improving downtown transportation conditions and insuring consistent input to the areawide Transportation Plan and the Transportation Improvement Program.

PREVIOUS WORK: Downtown transportation coordination activities were first funded by the UPWP in FY 1981. Over 50% of the Transportation Coordination function involves the process of keeping everyone

METHODOLOGY:

A. COORDINATION OF DOWNTOWN TRANSPORTATION PROGRAMS ($17,500)

This task involves monitoring and general coordinating of all transportation related projects within Downtown Miami. An awareness of the status of planning studies, implementation strategies and management programs is required to properly execute this task.

Specific activities under this task include:

1) Serve on Technical Committee Task Forces and sub-committees to provide input and review of ongoing transportation studies.

END PRODUCT: Downtown Transportation Plan
Transportation Improvement Plan for Downtown
Maintenance of Traffic Plans Summary Document
Monthly project updates, letters and memoranda

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Downtown Development Authority Project Manager: Kahart Pinder		$50,000	FEDERAL: UMTA: $ 40,000 112 : HPR : OTHER : STATE : LOCAL : $10,000
PARTICIPATING AGENCIES			
TOTAL :		$50,000	TOTAL : $50,000

COMMENTS:

WORK ELEMENT NUMBER: 4.5	TITLE: COORDINATIVE ACTIVITIES DOWNTOWN TRANSPORTATION PLANNING

PREVIOUS WORK: informed and resolving conflicts between public agencies and private development interests. Preliminary documentation on a variety of downtown related projects and conditions was prepared as a result.

METHODOLOGY:

2) Provide technical assistance and data to governmental agencies and private organizations on downtown transportation programs.
3) Review traffic studies for proposed developments.

Products from this task include
1) Monthly in-house project updates
2) Letters and memoranda

B. DOWNTOWN TRANSPORTATION PLAN ($7,500)

This task involves the preparation of a comprehensive traffic and transportation plan for Downtown Miami. Future needs, existing conditions, and, to the extent necessary, historical data will be documented.

The preparation of the downtown transportation plan will run concurrently with the updating of County's transportation plan.

The final product of this task will be a summary document outlining the existing conditions and future needs of the downtown transportation system.

C. TRANSPORTATION IMPROVEMENT PLAN FOR DOWNTOWN ($7,500)

Presently there are a number of publications - City of Miami Capital Improvement Program, Dade County Transportation Improvement Program and the State 5 Year Construction Plan - which include Downtown transportation improvement projects. There is a need to have all this information in one reference document. Such a document would be more detailed in scope and include roadway, highway, mass transit, pedestrian, waterborne transportation and parking projects. Projects proposed or needed by both the private and public sectors will be included. Information from recently completed or ongoing downtown traffic studies will be included where necessary. In addition to providing an improvement program, this document will outline potential financing strategies for the proposed improvements. The extent to which impact fees should be used in providing transportation improvements will be investigated.

D. MAINTENANCE OF TRAFFIC ($7,500)

There are a number of agencies and private developers involved in preparing Maintenance of Traffic Plans for various projects and the DDA will coordinate all these activities. There is a tremendous need for this coordination effort to continue since construction of major downtown transportation facilities - the DCM,

WORK ELEMENT NUMBER: 4.5	TITLE: COODINATIVE ACTIVITIES DOWNTOWN TRANSPORTATION PLANNING

METHODOLOGY:

D. MAINTENANCE OF TRAFFIC (Continued)

the Bifurcated Ramp System and the Miami Avenue Bridge - will begin during the next two years.

As a follow-up ongoing work, there is a need to prepare a summary report documenting existing and future construction activities having an impact on traffic movements. Such a document will be necessary in coordinating Maintenance of Traffic Plans and ensuring orderly traffic movement.

E. FLAGLER STREET ($10,000)

The Downtown Development Authority is presently finalizing the Flagler Street Study. This study makes a number of recommendations designed to improve both the traffic and pedestrian environments. These recommendations range from periodic closing of the street to traffic, to restricting delivery activities, providing improved signage and reversing traffic flow between S.E. 3rd Avenue and Biscayne Boulevard. In order to implement the recommended improvements, more detailed traffic analysis studies are required to determine the impacts on adjacent streets. These studies will utilize traffic data collected during the preceding stages. Specific implementation strategies will be described.

The DDA has already been approached by business interests to fill-in lay-bys and expand sidewalk cafes at their own expense. This provides an opportunity to increase pedestrian circulation space. To create a cohesive pedestrian and traffic environment, detailed and intergrated implementation plans need to be developed before significant improvements are actually implemented. Business interests and other concerned parties have begun consideration for funding a management study that is intended to develop recommendations dealing with other aspects of the street.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.6

TITLE: OTHER COORDINATIVE ACTIVITIES-AVIATION MASTER PLG.

OBJECTIVE:

Develop plans specifying roles of the airports in the Dade County System to maximize growth potential.

PREVIOUS WORK:

Past work includes inventory, forecasts, and preparation of conceptual plans.

METHODOLOGY:

See Attachments.

(Continued)

END PRODUCT:

See individual tasks.

(Continued)

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Aviation Dept. Proj. Mgr: Ivan Carr		$660,000	FEDERAL: UMTA: 112 : HPR : OTHER :$370,000 STATE :$ 60,000 LOCAL :$230,000
PARTICIPATING AGENCIES			
TOTAL :		$660,000	TOTAL : $660,000

COMMENTS:

WORK ELEMENT NUMBER: 4.6	TITLE: OTHER COORDINATIVE ACTIVITIES - AVIATION MASTER PLG.

METHODOLOGY: (CONTINUED)

A. Miami International Airport Master Plan
Phase III Develop Detailed Master Plan
Phase IV Prepare Master Plan Documents

Tasks

a) Evaluate variations of the previously selected general concept which provide the greatest long-term benefit to Miami International Airport and the environment
b) Select detailed plan which provides sufficient capacity to meet forecasted needs while optimizing the use of existing resources.
c) Prepare documents showing proposed courses of action and growth for access lane use, terminal maintenance and operation, with provision for financing the proposed plan.

Products

Completed master plan for Miami International Airport which specifies the ultimate Airport plan for maximum capacity at Miami International Airport.

B. Tamiami Airport Master

Tasks

The plan will identify operational objectives, schedules for making significant operational changes, and specify facility requirements. The study will also analyze and specify funding.

Products

A comprehensive documented plan which specifies facilities, costs, necessary revenues and timing to develop Tamiami to its ultimate capacity.

C. Opa Locka Airport Master Plan

Tasks

This study is underway. The final plan will identify operational objective schedules for making significant operational changes, analyze alternatives for additional economic development, specify land use objectives and schedule facility development. The study will also analyze and specify funding required to implement the plan.

Products

A comprehensive documented plan which specifies facilities, land use, co-revenues, and timing to develop Opa Locka Airport to its optimum capacity.

WORK ELEMENT NUMBER: 4.6	TITLE: OTHER COORDINATIVE ACTIVITIES - AVIATION MASTER PLG.

(CONTINUED)

D. Airport Expressway Connector Planning*

Tasks

Study the airport ground systems and be assured that we have sufficient access to match the growth plans of Miami International Airport.

A feasibility study has been completed by Howard, Needles, Tamen & Bergendoff (November, 1974) entitled "Preliminary Locations Study - Miami Interational Transportation Inter-face Facility". Another study, a preliminary engineering report, "37th Ave. Extension and Airport Expressway Interchange" has also been completed.

The importance of planning for, and implementation of, improved airport access has been recognized for many years. The current primary road program officially proposed by Dade County for consideration by the Florida Department of Transportation includes the planning of a limited access facility connecting the Airport Access Road (in the vicinity of LeJeune Road and NW 21st Street), with emphasis on this connector, to the existing Airport Expressway (in the vicinity of N.W. 37 Avenue). Additional roadway improvements and connector systems need to be studied also.

Products

This study will specify the route, right-of-way acquisition requirement, the design elevatons, costs and revenues required to specify to a design elevations, costs and revenues required to specify to a design engineer sufficient information to design this highway.

This program is related to all other aviation plan activities, comprehensive planning programs, and the Transportation Improvement Program.

* Airport ground and access systems are eligible under FAA's Airport Development Aid (ADAP) Program.

E. Site 14 Corridor Study *

Tasks

This study is well underway and is expected to be completed within the fiscal year. This task comprised of the development of a scenario which reflects accelerated use of Site 14 as a training and possibly as a commercial airport due to increasing volumes of traffic and from possible restriction of volumes at Miami International Airport due to noise abatement requirements. This study analyzes the effects of resultant ground transportation to determine modes, volumes, corridor number and spatial requirements.

Products

A comprehensive documented plan which specifies the number, spatial requirements, location, cost, and timing providing necessary ground transportation corridors to Site 14.

Airport ground and access systems are eligible under FAA's Airport Development Aid (ADAP) Program.

WORK ELEMENT NUMBER: 4.6	TITLE: OTHER COORDINATIVE ACTIVITIES - AVIATION MASTER PLG.

(CONTINUED)

F. Site 14 Master Plan

Tasks

a. Evaluate various layout plans which provide for the initial replacement training runway while also providing for the eventual development of the site into a commercial airport capable to support air traffic well into the next century.

b. Provide a detailed plan for phasing the development of runwasy, taxiway aprons, terminal buildings, access roadway, utilities, and ancillary support facilities to match future volume requirements.

c. Prepare documents showing airfield layout, terminal apron area, access roads, operating plans, and financing requirements.

Products

Completed master plan for the Regional Jet Port which specifies the ultimate Airport Plan.

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.7

TITLE: OTHER COORDINATIVE ACTIVITIES: MODEL CITY TRANSIT CORRIDOR JOINT DEVELOPMENT

OBJECTIVE: To develop projects with the New Century Development Corporation for land development with public transportation improvements so that maximum financial, social and community benefits can be realized in the Model City Transit Corridor, viz. Northside, Dr. Martin Luther King Jr. Plaza, Brownsville & Earlington Heights station areas.

PREVIOUS WORK: The program activities concentrate on promoting the development potential of Model City Transit Corridor; the preparation of development proposals; the preparation of reports and recommendations.

METHODOLOGY: FY 83 program activities will concentrate on promoting the development potential of Model City Transit Corridor station sites. This will be accomplished by completing the following tasks:

1. Monitoring development trends and reviewing development proposals in order to promote development activities ($20,000).
2. Reviewing and establishing procedures, guidelines, Black equity participation requirements and use design criteria to evaluate development proposals ($15,000).
3. Preparing requests for proposals for development projects in the Model City Transit Corridor ($15,000).

END PRODUCT:
1. Leases and procedural guidelines for development proposals and preparing RFP's as needed.
2. Development project proposals as needed.
3. Development packages
4. Leases and other contractual agreements

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
Dade County Transportation Administration/Urban Initiatives Project Manager: Donald F. Benjamin		$50,000	FEDERAL: UMTA: $40,000 112: HPR: OTHER: STATE: LOCAL: $10,000
PARTICIPATING AGENCIES			
TOTAL:		$50,000	TOTAL: $50,000

COMMENTS:

F.Y.'83 UNIFIED PLANNING WORK PROGRAM

WORK ELEMENT NUMBER: 4.8

TITLE: DEVELOPMENT IMPACTS ON TRANSPORTATION

OBJECTIVE: Develop a procedure/model that predicts the magnitude and cost of transportation related impacts arising from proposed projects or land use changes. The procedure/model will consist of a combination of applicable manual and automated techniques which satisfy the dual criteria of simple operation and rapid output.

PREVIOUS WORK: In FY 1980/81 a literature search was conducted and exploratory model development work was done on utilization of existing UTPS program modules. This effort was partially successful in that

METHODOLOGY: In order to estimate the transportation impacts of specific development projects and land use changes, a procedure/model is required with the following characteristics: both highway and transit impacts must be incorporated; the costs as well as the facility requirements must be made explicit; the model must function independently of the network analysis but ultimately be linked with it; it should be modular in concept; it should be versatile in application, user oriented and capable of rapid execution. To create such a tool, the following steps are required:

1) Review previously accomplished work ($5,000):
   a) Existing model literature synthesis
   b) Fiscal impact procedures and potential refinements

END PRODUCT: Model/procedures which forecasts small area developmental impact on public transportation facilities, the highway network and transit system. Full documentation will be provided along with a user's manual and test runs.

PRINCIPAL AGENCY	STAFF HRS	TOTAL COST	FUNDING SOURCES
DCPD Project Manager: C. Blowers		$80,000	FEDERAL: UMTA: $42,400 112 : $40,100 HPR : OTHER :
PARTICIPATING AGENCIES			
DCPW DCTA		$10,000 $10,000	STATE : LOCAL : $17,500
TOTAL :		$100,000	**TOTAL :** $100,000

COMMENTS:

WORK ELEMENT NUMBER: 4.8	TITLE: DEVELOPMENT IMPACT ON TRANSPORTATION

PREVIOUS WORK: road capacities could be anticipated. But the transit component was not made operational, the procedure was cumbersome, inefficient and devoid of fiscal implications.

METHODOLOGY:

2) Identify factors which generate, or are concomitants of transportation impact, in typical classes of development e.g. residential, commercial, industrial. ($5,000).

3) Establish relationships of generating/concomitants factors to transportation impact nature, degree and type. $(10,000).

4) Develop/obtain appropriate software to calculate impact. ($35,000).

5) Integrate software modules and simplify procedures where possible. ($20,000)

6) Calibrate model against existing development (s). ($25,000)

Existing literature reviews and other previous work will be incorporated into this project. It is anticipated that selected commercially obtainable program(s) will be purchased and integrated into this model. A mini-computer may be obtained in order to improve model development and future accessibility to the model. An alternative to using a mini-computer is establishing access to Time Sharing Option (T.S.D.) facilities.

TABLE 1
FUNDING SUMMARY
FY 1983 UPWP
($000)

CATEGORY I REQUIRED ACTIVITIES	
A. Coordinative/Administrative	
1.1 UPWP development	$ 25
1.2 Program Administration	65
1.3 Committee Support	70
1.4 Project/Program Reviews	10
1.5 FDOT PL Liaison	30
Subtotal - Coordinative/Administrative	$200
B. Data Surveillance	
2.1 Highway Surveillance	$ 30
2.2 Transit Surveillance	60
2.3 Monitoring of Travel Demand Indicators	65
2.4 Census Transportation Package	22
2.5 Civil Rights Reporting	10
Subtotal - Data Surveillance	$187
C. Systems Planning	
3.1 Transportation Plan	$510
3.2 Elderly and Handicapped	45
Subtotal - System Planning	$555
Subtotal - Required Activities	$942
CATEGORY II Transit Planning	
4.1 Transit Strategic Planning	$200
4.2 Transit Route Planning	85
4.9 Metrorail Extension	550
Subtotal - Transit Planning	$835
CATEGORY III OTHER COORDINATIVE ACTIVITIES	
1.6 FDOT PL Liaison	$130
2.7 Monitoring of Transp. Control Measures	16
3.3 FDER Air Quality Coordination	37
4.3 Neighborhood Transp. Planning	20
4.4 Joint Development Planning	50
4.5 Downtown Transportation Planning	50
4.6 Aviation Master Plan	660
4.7 Model Cities Joint Develop. Planning	50
4.8 Develp. Impacts on Transportation	100
Subtotal - Other Coordinative Activities	$1,113
GRAND TOTAL	$2,890

TABLE 2
ESTIMATED FUNDS AVAILABLE
TO SUPPORT THE FY 1983 UPWP
(INCLUDING LOCAL MATCH)

UMTA Section		
New Section 8 Grant		
Basic Mark		$ 650,000
Supplemental Funds		500,000
Overmatch		175,000
Carryover Funds		234,000
Prog. Management	$50,000	
Transp. Plan	86,000	
Civil Rts. Reporting	18,000	
Transit Planning	80,000	
Subtotal - UMTA		$1,559,000
FHWA/FDOT PL		
New Funds		$ 216,900
Carryover Funds		
FY 1982 Deprogramming		139,600
Program Management	$43,600	
Transp. Plan	22,000	
Gen. Transportation Survey	60,000	
Highway Survey	14,000	131,500
FY 1980 Funds		$ 488,000
Subtotal - FHWA/FDOT PL		
UMTA/EPA Section 175 Carryover		
Local Allocation		$ 16,000
FDER Allocation		37,000
Subtotal - UMTA/EPA Section 175		53,000
FHWA/FDOT HPR		
Program Support		$ 50,000
Transp. Plan Assistance		80,000
Subtotal - FHWA/FDOT HPR		$ 130,000
FAA		
Federal		$ 370,000
State		60,000
Local		230,000
Subtotal - FAA		$ 660,000
GRAND TOTAL		$2,890,000

TABLE 3

ALLOCATION OF FUNDS

($000)

	DCTA			DCPD	DCPW	OTHER	TOTAL
	Oper.	Non-Oper.	Total				
I. REQUIRED ACTIVITIES							
A. Coordinative/Administrative							
1.1 UPWP Development	$ 1	$ 18	$ 19	$ 5	$ 1		$ 25
1.2 Administer Program		65	65				65
1.3 Support Committees	5	45	50	15	5		70
1.4 Proj./Prog./Reviews				10			10
1.5 FDOT PL Liaison						$ 30[a]	30
SUBTOTAL	$ 6	$128	$ 134	$ 30	$ 6	$ 30	$ 200
B. Data Surveillance							
2.1 Highway Surveillance					$30		$ 30
2.2 Transit Surveillance	$ 60		$ 60				60
2.3 Socio-Econ. Monitoring				$ 65			65
2.4 Census Transp. Package						$ 22[a]	22
2.5 Civil Rights Reporting	10		10				10
SUBTOTAL	$ 70	-	$ 70	$ 65	$30	$ 22	$ 187
C. Systems Planning							
3.1 Transp. Plan	$160	$290	$ 450	$ 50	$10		$ 510
3.2 Elderly/Handicapped		45	45	-	-	-	45
SUBTOTAL	$160	$335	$ 495	$ 50	$10	-	$ 555
SUBTOTAL - CATEGORY I	$236	$463	$ 699	$ 145	$46	$ 52	$ 942
II. TRANSIT PLANNING							
4.1 Transit Strategic Plg.	$200		$ 200				$ 200
4.2 Transit Route Plg.	85		85				85
4.9 Metrorail Extension		$550[e]	550				550
SUBTOTAL - CATEGORY II	$285	$550	$ 835	-	-	-	$ 835
III. OTHER COORDINATIVE ACTIVITIES							
1.6 FDOT HPR Liaison						$130[a]	$ 130
2.7 Monitoring of TCM's		$ 16	$ 16				16
3.3 FDER Air Qual. Coord.						37[b]	37
4.3 Neighborhood Transp. Plg.				20			20
4.4 Joint Devel. Plg.		50	50				50
4.5 Downtown Transp. Plg.						50[c]	50
4.6 Aviation Master Plg.						660[d]	660
4.7 Model Cities Joint Devel.		50	50				50
4.8 Develop. Impacts on Transp.	10		10	80	$10		100
SUBTOTAL - CATEGORY III	$ 10	$116	$ 126	$100	$10	$877	$1,113
GRAND TOTAL	$531	$1,129	$1,660	$245	$56	$929	$2,890

[a]Florida Dept. Of Transp.
[b]Florida Dept. Environmental Regulation
[c]Downtown Development Authority
[d]Aviation Department
[e]Funds to be allocated.

TABLE 4
FUNDING SOURCES
($000)

CATEGORY I REQUIRED ACTIVITIES	FEDERAL										STATE			LOCAL				GRAND TOTAL
	UMTA					FHWA			OTHER	TOTAL	FHWA MATCH	OTHER	TOTAL	UMTA MATCH	FHWA MATCH	OVER MATCH	TOTAL	
	FL-09-0018	FL-09-0116	FL-19-0004	NEW SEC. 8	TOTAL	PL	HPR	TOTAL										
A. Coordinative/Administrative																		
1.1 UPWP Development				10.4	10.4	10.3		10.3		20.7				2.6	1.7		4.3	$ 25
1.2 Program Administration				27.2	27.2	26.5		26.5		53.7				6.8	4.5		11.3	65
1.3 Committee Support				29.6	29.6	28.2		28.2		57.8				7.4	4.8		12.2	70
1.4 Project/Program Reviews				4	4	4.3		4.3		8.3				1	0.7		1.7	10
1.5 FDOT PL Liaison											30		30					30
Subtotal - Coordinative/Admin.	-	-	-	$ 71.2	$ 71.2	$ 69.3	-	$ 69.3	-	$ 140.5	$ 30	-	$ 30	$ 17.8	$ 11.7	-	$ 29.5	$ 200
B. Data Surveillance																		
2.1 Highway Surveillance						25.7		25.7		25.7					4.3		4.3	$ 30
2.2 Transit Surveillance				48	48					48				12			12	60
2.3 Monitoring of Travel Demand Indicators				27.2	27.2	26.5		26.5		53.7				6.8	4.5		11.3	65
2.4 Census Transp. Package						17.6		17.6		17.6	4.4		4.4					22
2.5 Civil Rights Reporting				8	8					8				2			2	10
Subtotal - Data Surveillance	-	-	-	$ 83.2	$ 83.2	$ 69.8	-	$ 69.8	-	$ 153	$ 4.4	-	$ 4.4	$ 20.8	$ 8.8	-	$ 29.6	$ 187
C. System Planning																		
3.1 Transportation Plan	118.4	68.8		30.4	217.6	203.5		203.5		421.1				54.4	34.5		88.9	$ 510
3.2 Elderly and Handicapped				36	36					36				9			9	45
Subtotal - Systems Planning	$118.4	$68.8	-	$ 66.4	$ 253.6	$ 203.5	-	$203.5	-	$ 457.1	-	-	-	$ 63.4	$ 34.5	-	$ 97.9	$ 555
Subtotal - Required Activities	$118.4	$68.8	-	$220.8	$ 408	$ 342.6	-	$ 342.6	-	$ 750.6	$ 34.4	-	$ 34.4	$102	$ 55	-	$ 157	$ 942
CATEGORY II TRANSIT PLANNING																		
4.1 Transit Strategic Plng.				160	160					160				40			40	$ 200
4.2 Transit Route Planning				68	68					68				17			17	85
4.9 Metrorail Extension				300	300					300		37.5	37.5	37.5		175	212.5	550
Subtotal - Transit Planning	-	-	-	$528	$ 528	-	-	-	-	$ 528	-	$ 37.5	$ 37.5	$ 94.5	-	$ 175	$ 269.5	$ 835
CATEGORY III OTHER COORDINATIVE ACTIVITIES																		
1.6 FDOT PL Liaison																		
2.7 Monitoring of Transp. Control Measures			16		16		104	104		104	26		26					$ 130
3.3 FDER Air Quality Coord.			37		37					16								16
4.3 Neighborhood Transp. Planning				8.8	8.8	7.7		7.7		37								37
4.4 Joint Development Plng.				40	40					16.5				2.2	1.3		3.5	20
4.5 Downtown Transportation Planning				40	40					40				10			10	50
4.6 Aviation Master Plan									370	370		60	60			230	230	660
4.7 Model Cities Joint Devel. Planning				40	40					40				10			10	50
4.8 Development Impacts on Transportation				42.4	42.4	40.1		40.1		82.5				10.6	6.9		17.5	100
Subtotal - Other Coordinative Activities	-	-	$ 53	$171.2	$ 224.2	$ 47.8	$ 104	$151.8	$ 370	$ 746	$ 26	$ 60	$ 86	$ 42.8	$ 8.2	$ 230	$ 281	$ 1,113
GRAND TOTAL	$118.4	$68.8	$ 53	$920	$1,160.2	$ 390.6	104	$494.6	$ 370	$2,024.6	$ 60.4	$ 97.5	$157.9	$239.3	$ 61.2	$ 405	$ 707.5	$ 2,890

APPENDIX A

CONFORMANCE OF UPWP ACTIVITIES
WITH NATIONAL EMPHASIS AREAS[1]

EMPHASIS AREA	UPWP ACTIVITITY
Capital Investment Planning	One of the more important objectives of the UPWP is the establishment of a strategy for making investments (capital, operating, and maintenance) in the transportation system that will achieve local transportation policies. This work is to be done as part of the preparation of the Metro Dade Transportation Plan (Project 3.1).
Transit Management Analysis	The work element entitled Transit Strategic Planning (Project 4.1) is directed at developing an operational plan for integrating Metrorail and Metrobus in a manner that will best achieve service standards within budget constraints. Analysis of internal organizational concerns is being carried out as a separate UMTA grant-supported activity.
Transit Service Planning	The activities entitled Transit Strategic Planning (Project 4.1) and Transit Route Planning (Project 4.2) involve a systematic evaluation of transit services. Data surveillance activities specified in Projects 2.1, 2.2, 2.3, and 2.4 will provide much of the data base needed to conduct these analyses.
Financial Management	Work underway in preparing the Transportation Plan (Project 3.1) will concern fiscal issues facing the transportation system. In this work, both costs and revenues likely through the 1980's will be examined.

[1] As set out by the Urban Mass Transportation Administration.

The implications of maintaining current revenue sources and establishing new sources will be estimated.

Private Sector Participation

Serveral work elements concern the role of the private sector in transportation. In preparing the Transportation Plan (Project 3.1), policies concerning the role for the private sector will be defined. The Elderly and Handicapped Planning Project (Project 3.2) will involve a review of plans for the provision of special transportation services by private and public providers. The two projects concerned with Metrorail Joint Development (Projects 4.4 and 4.7) concern opportunities for private investment at Metrorail stations. The work element Development Impacts on Transportation (Project 4.8) concerns the travel and transportation impacts of proposed urban developments. The appropriate role of private developers in financing transportation improvements and services will be examined.