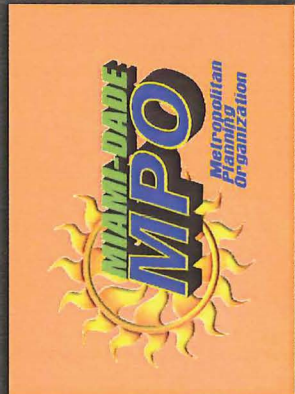
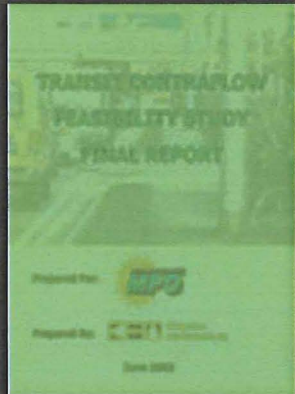


Miami-Dade Metropolitan Planning Organization's

SUMMARY OF STUDIES 2002



This document is an abstract of the activities conducted during 2002 by the Metropolitan Planning Organization (MPO) for the Miami Urbanized Area.



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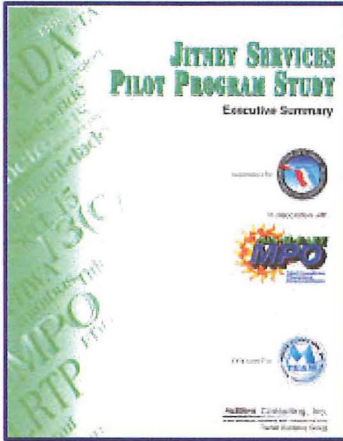
"Thank you to all who contributed to the accomplishment of the work done during this year."

José Luis Mesa

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Jitney Services Pilot Program Study



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: Miller Consulting, Inc.

Starting Date: May 2002

Completion Date: December 2002

Contact Person: Jesus Guerra
(305) 375-2069
guerraj@miamidade.gov

OBJECTIVE:

The objective of this study was to analyze possible ways to expand jitney services within the county. Additionally, the study identified pilot projects that could be implemented quickly, and then evaluated during actual operations.

HIGHLIGHTS:

In addition to Miami-Dade, the study evaluated the jitney services in San Juan and Atlantic City. Guidelines for services were established and over fifteen (15) transit routes evaluated as potential pilot projects. The study included the participation of elected officials, county agencies and private operators. Several issues were discussed in the report including legal, labor, ADA, operating, financial, funding and local regulation, among others.

RECOMMENDATIONS:

Four transit routes were recommended for implementing a jitney pilot project. A comprehensive before-after evaluation should be conducted. Additionally, expanding the jitney services will require modifications of the permitting process, acquisition of mini-buses with wheelchair lift, establishment of an office to promote and facilitate jitney services, establish a special funding source for capital improvements, and the creation of a private jitney association.

STATUS:

Based on the approval of a half-penny sale tax for transportation, recommendations were put on hold.

PHOTO GALLERY:



Miami-Dade
Jitney Vehicles



Puerto Rico Jitney Vehicle



Puerto Rico
Jitney Terminal

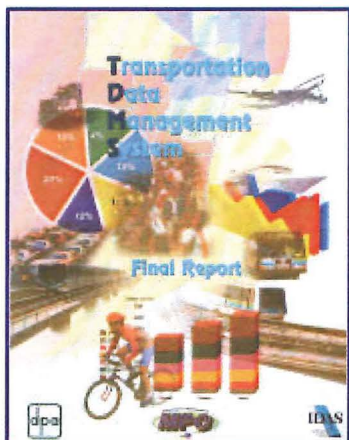


Atlantic City Mini-Bus Vehicle
With Wheelchair Lift

Proposed Mini-Bus Vehicle
for Miami-Dade County



Transportation Data Management System



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: David Plummer & Associates

Starting Date: October 2000

Completion Date: March 2002

Contact Person: Jesus Guerra
(305) 375-2069
guerraj@miamidade.gov

OBJECTIVE:

The objective of this project was to develop and implement a flexible, expandable, computer-based electronic database.

HIGHLIGHTS:

The database held transportation-related information that allows statistical, temporal and geographic analysis. The system is capable of generating reports in tabular, chart and/or map formats. The TDMS was developed using Microsoft Access 2000 and a GIS platform that allows the use of graphic images, drawings, pictures, aerial photography, maps, charts and complete electronic presentations using Power Point. Additionally, the program also interfaces with software that creates Internet-ready maps that can be posted in the MPO Website.

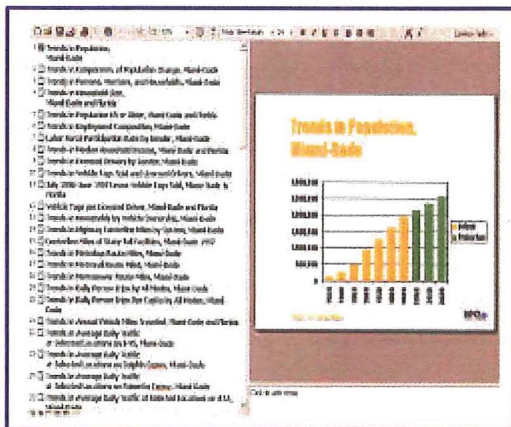
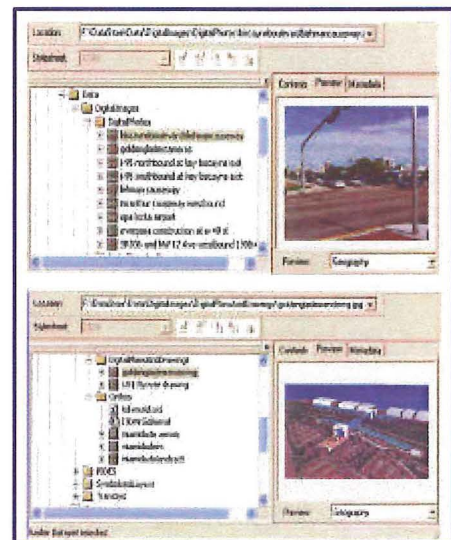
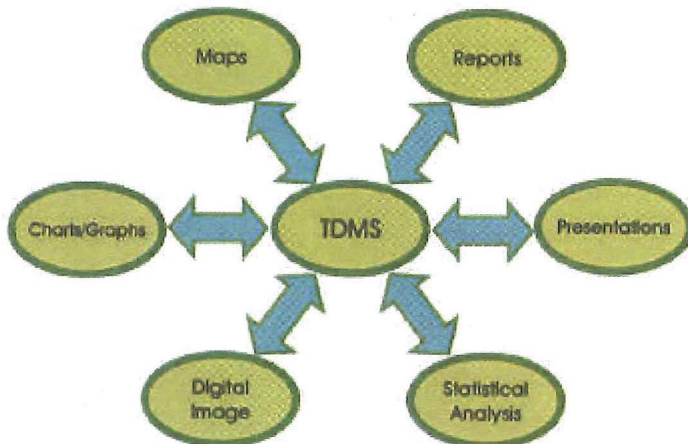
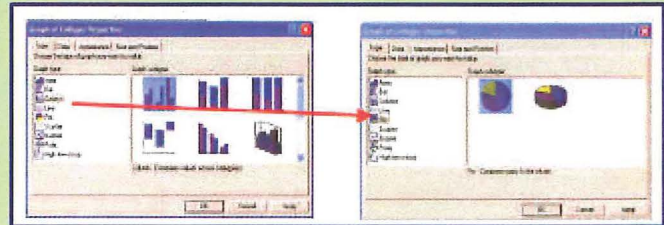
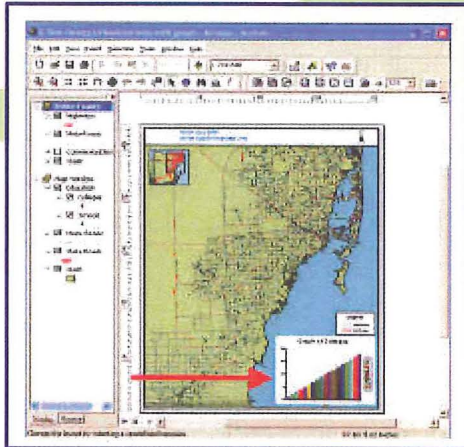
RECOMMENDATIONS:

Based on future available technology, the system should be updated as appropriate.

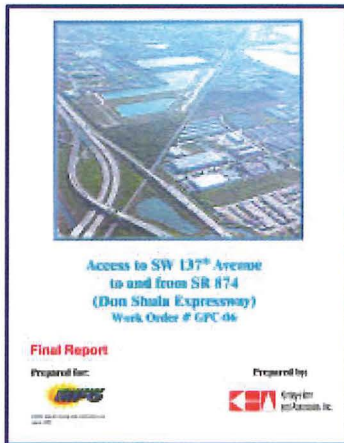
STATUS:

The system is implemented and in operation.

PHOTO GALLERY:



Access to SW 137th Avenue to and from SR 874



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: Kimley-Horn & Associates

Starting Date: February 2001

Completion Date: April 2002

Contact Person: Jesus Guerra
(305) 375-2069
guerraj@miamidade.gov

OBJECTIVE:

The objective of this study was to identify alternatives for providing access to SW 137TH Avenue in the vicinity of SW 136th Street to and from the SR-874/Don Shula Expressway. This work will consist of reviewing previous work and developing a set of alternatives, including a Recommended Alternative that would provide access to SW 137TH Avenue, west of the HEFT, to and from SR-874 and the HEFT.

HIGHLIGHTS:

The consultant evaluated the previous work conducted by the Florida department of Transportation (FDOT). After the analyses, five alternatives were developed. A comparison of the alternatives was conducted, which result in the selection of a preferred alternative.

RECOMMENDATIONS:

The selected alternative connects SW 137TH Avenue with SR 874 by extending SW 136th Street from SW 137th Avenue eastward over the CSX railroad corridor, curving to the northeast following the CSX railroad alignment, and connecting to the HEFT/SR 874 interchange.

STATUS:

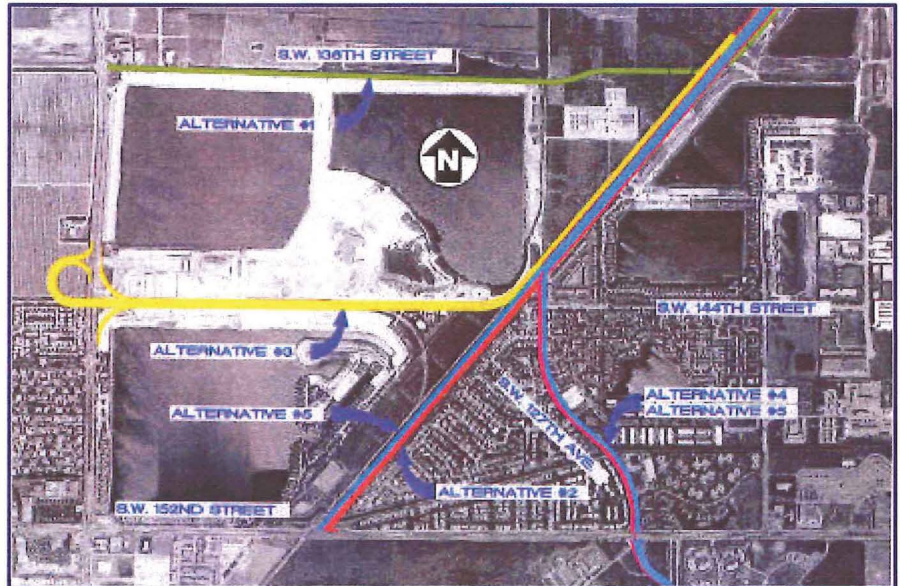
This recommendation is being considered by the Miami Expressway Authority (MDX) and the Turnpike for future developments. The MDX included this project in its Work Program. Additionally, the Turnpike is redesigning the referred interchange and this project is being considered in the PD&E process.

PHOTO GALLERY:

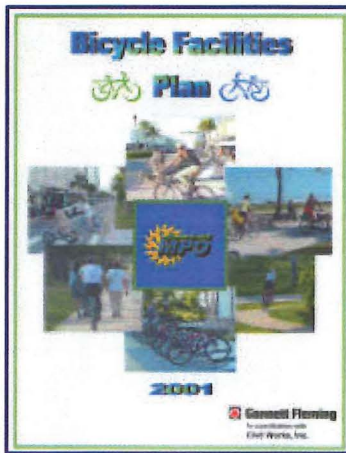


Aerial view of the study area.

This aerial shows the five alternatives considered in the study. Alternative #1 is the preferred alternative.



Bicycle Facilities Plan



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: Gannett Fleming

Starting Date: February 2001

Completion Date: April 2002

Contact Person: David Henderson
(305) 375-1735
davidh@miamidade.gov

OBJECTIVE:

The objective of this study was to update the Miami-Dade MPO Bicycle Facilities Plan and to develop a new Bicycle Suitability Map for Miami-Dade County.

HIGHLIGHTS:

The study included the development of a 2000 Bicycle Road and Off-Road Networks, and an assessment of the level of service (LOS) and latent demand score (LDS) for all facilities on the networks. Bicycle trips were calculated based on four trip types: work, shopping, school and recreational trips. In addition to the LOS and the LDS, five evaluation criteria were also used to identify relative priority for improvement for each segment in the Bicycle Road Network. As a result, improvement projects were ranked and an implementation plan was developed using a three step process.

RECOMMENDATIONS:

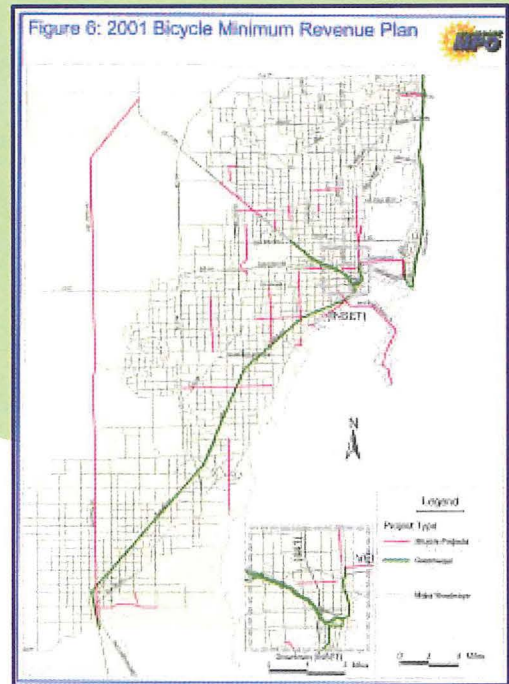
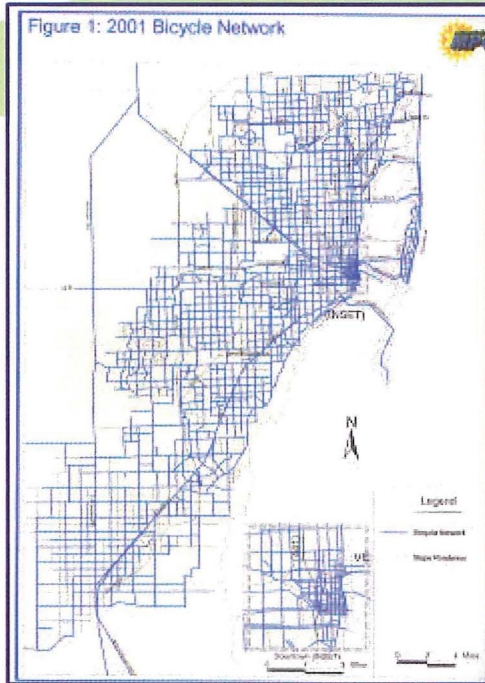
A Bicycle Minimum Revenue Plan was developed and included in the Long Range Transportation Plan (LRTP) for Miami-Dade County. Funding sources were also identified for projects within the plan.

STATUS:

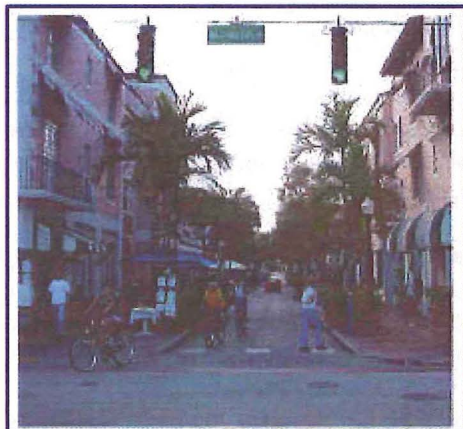
The Bicycle Suitability Map was developed and available for public distribution. Efforts are conducted to implement recommendations for particular bicycle corridors, including construction as needed.

PHOTO GALLERY:

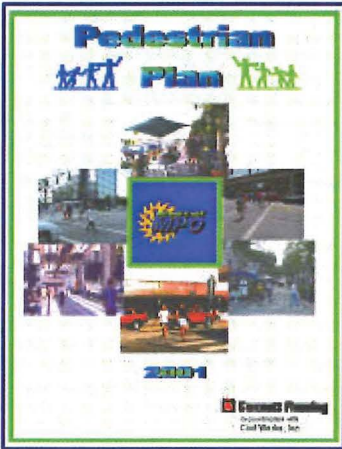
2001 Bicycle Network



2001 Bicycle Minimum Revenue Plan



Pedestrian Plan



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: Gannett Fleming

Starting Date: February 2001

Completion Date: April 2002

Contact Person: David Henderson
(305) 375-1735
davidh@miamidade.gov

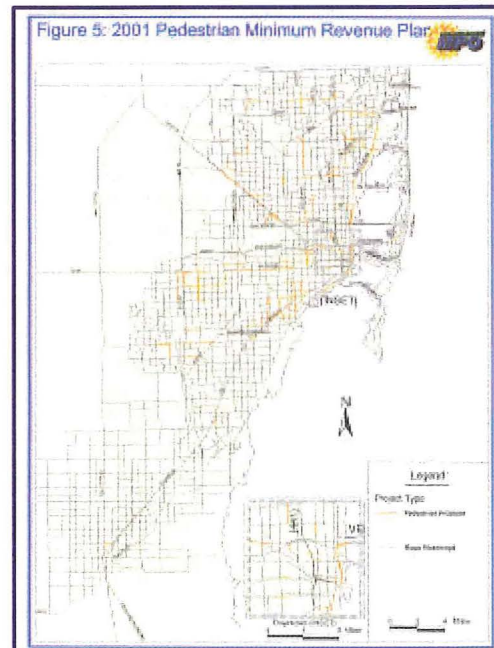
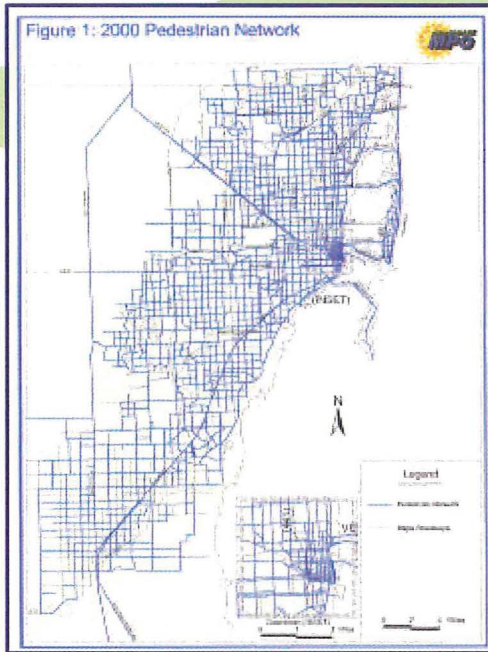
OBJECTIVE: The objective of this study was to develop the Miami-Dade MPO Pedestrian Plan.

HIGHLIGHTS: The study included the development of a 2000 Pedestrian Network, and an assessment of the level of service (LOS) and latent demand score (LDS) for all corridors in the network. Pedestrian trips were calculated based on four trip types: work, shopping, school and recreational trips. In addition to the LOS and the LDS, five evaluation criteria were also used to identify relative priority for improvement for each segment in the Pedestrian Network. As a result, improvement projects were ranked and an implementation plan was developed using a three step process.

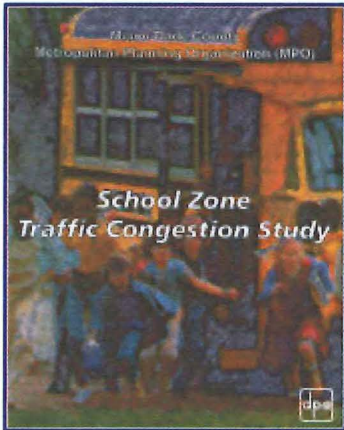
RECOMMENDATIONS: A Pedestrian Minimum Revenue Plan was developed and included in the Long Range Transportation Plan (LRTP) for Miami-Dade County. Funding sources were also identified for projects within the plan.

STATUS: Efforts are conducted to implement recommendations for particular pedestrian corridors, including construction as needed.

PHOTO GALLERY:



School Zone Traffic Congestion Study



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: David Plummer & Associates

Starting Date: October 2000

Completion Date: April 2002

Contact Person: Frank Baron
(305) 375-1522
FBARON@miamidade.gov

OBJECTIVE:

The objective of this study was to identify alternatives for improving transportation operations and design, accessibility, and traffic flow in area at and around local public schools.

HIGHLIGHTS:

Based on the recommendations of the Study Advisory Committee, that included representatives from the School Board, nine (9) focus schools were evaluated (high, middle and elementary schools). Field data were collected including turning movement counts, pedestrian counts, traffic flow and queue length studies.

RECOMMENDATIONS:

The following actions were recommended for the selected schools: development of guidelines, checklists and design concepts addressing vehicular, pedestrian and bicycle access and circulation, designation of speed zones with flashing beacons, designation of specific locations for dropping-off and picking-up of students, increase the use of police officers to control traffic flow, improving landscaping, curbs and signage, among many other recommendations.

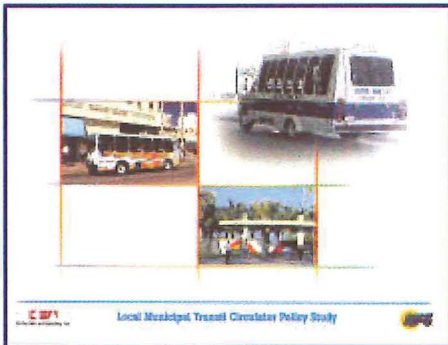
STATUS:

All recommendations with schematic plans were submitted to the School Board for consideration and implementation.

PHOTO GALLERY:

Proposed Conditions		
G. HOLMES BRADDOCK HIGH SCHOOL	<p>Callouts for G. Holmes Braddock High School: - Add light fixture and add light fixture - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area</p>	<p>G. HOLMES BRADDOCK SENIOR HIGH SCHOOL 1000 SW 1ST ST. APT. 1000, MIAMI, FLORIDA 33135</p>
LAWTON CHILES MIDDLE SCHOOL	<p>Callouts for Lawton Chiles Middle School: - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area</p>	
W.J. BRYAN ELEMENTARY SCHOOL	<p>Callouts for W.J. Bryan Elementary School: - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area - Amend the site plan to include the proposed area and the proposed area</p>	

Local Municipal Transit Circulator Policy Study



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: Kimley-Horn & Associates

Starting Date: April 2001

Completion Date: June 2002

Contact Person: Frank Baron
(305) 375-1522
FBARON@miamidade.gov

OBJECTIVE:

The objective of this study was to develop a set of guidelines and standards for establishing local transit circulator services and to develop measures of effectiveness for evaluating these services.

HIGHLIGHTS:

A survey was conducted among 35 municipalities. Twenty two of them responded, of which ten had transit circulators in service. Data was also obtained to identify the conditions and service characteristics. Four different types of circulators were identified. Results of this analyses indicated that elderly population provided a significant ridership base for these services.

RECOMMENDATIONS:

Guidelines were established for general policy and legal issues related to the establishment of municipal circulators. A two step planning process was also recommended. Step one is an evaluation of the initial planning effort. A scorecard of weighted attributes was developed to assist municipalities in evaluating the feasibility of establishing these services. Step two provides a more detailed assessment of the operations, management and financial plans of the proposed services. Additionally, a post implementation monitoring system was recommended to ensure that the public's mobility needs are served.

STATUS:

All recommendations were submitted to the Miami-Dade League of cities for further consideration and implementation.

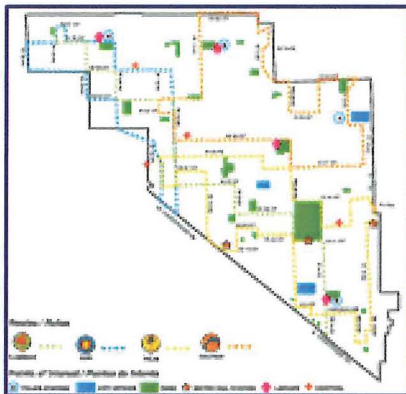
PHOTO GALLERY:



ELECTROWAVE
City of Miami Beach



City of North Bay Village

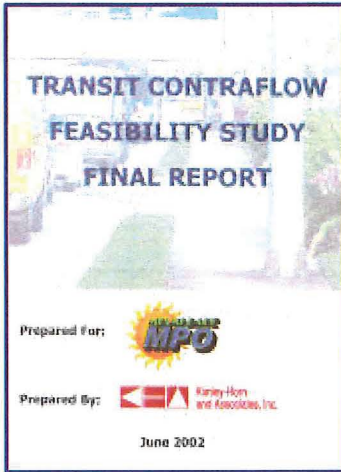


City of Hialeah
Transit Circulator
Routes Map

Other municipalities that provide transit circulators services are:

Aventura Bal Harbour City of Miami
North Miami Beach Surfside Sunny Isles Beach

Transit Contra Flow Feasibility Study



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: Kimley-Horn & Associates

Starting Date: October 2000

Completion Date: June 2002

Contact Person: Jesus Guerra
(305) 375-2069
guerraj@miamidade.gov

OBJECTIVE:

The objective of this study was to evaluate the feasibility of establishing contra flow bus operation in Miami-Dade County. This work included the evaluation of those transit corridors that meet the requirements for the implementation of this facility.

HIGHLIGHTS:

Criteria were developed to evaluate transit corridors for establishing contra flow bus lanes. These criteria were based on the experiences in other locations through the United States. A total of 16 corridors were evaluated as part of the first tier screening. As a result, two corridors were selected as the most viable candidates for contra flow or other bus priority treatments.

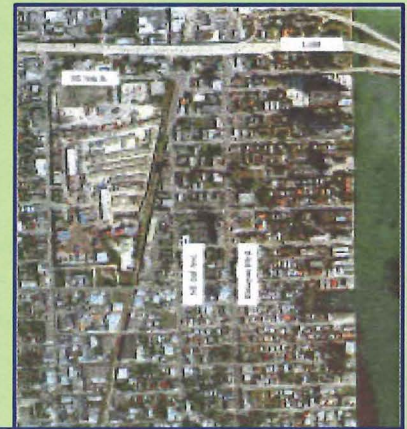
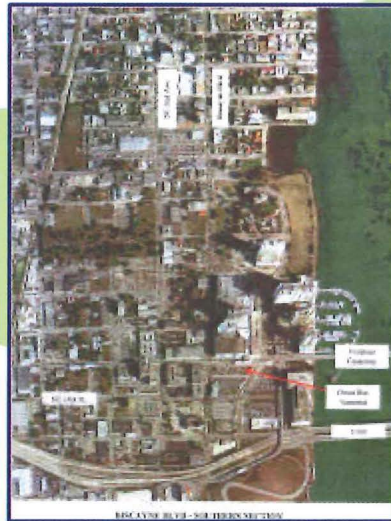
RECOMMENDATIONS:

No positive recommendations were made regarding the implementation of contra flow bus lanes in Miami-Dade. However, bus priority treatments were recommended including bus preemption of traffic signals, bus bays and turnouts, bus stops and benches improvements, as well as geometric improvements for the corridors.

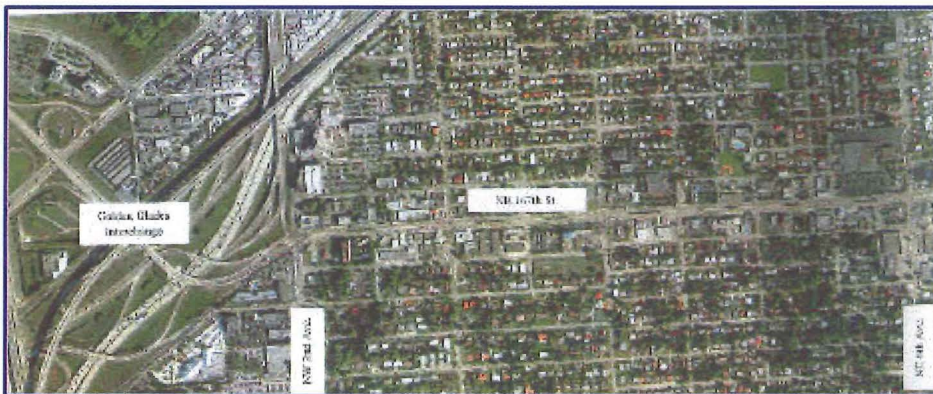
STATUS:

Basically, transit corridors in Miami-Dade did not meet the criteria for implementing contra flow bus lanes. The two corridors evaluated had physical and service constraints that were not conducive for implementing such facility. Additionally, changes and modifications in the alignment of the bus routes and increase of bus frequency were required to meet these criteria for the two evaluated corridors.

PHOTO GALLERY:



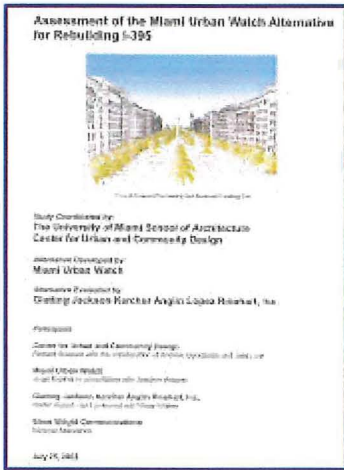
Biscayne Boulevard
Corridor



NW/NE 167th Street /
NE 163rd Street
Corridor



Assessment of the I-395 Miami Urban Watch Alternative



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: University of Miami

Starting Date: December 2000

Completion Date: July 2002

Contact Person: Jesus Guerra
(305) 375-2069
guerraj@miamidade.gov

OBJECTIVE:

The objective of this study was to assess the impacts, costs and benefits of the FDOT Modified Miami Urban Watch Alternative (MUWA) #2 for the I-395 Corridor.

HIGHLIGHTS:

The study discussed issues pertaining to the redesign of the I-395 regarding urban development of the area and the impacts to downtown Miami. A comparative analysis of the MUWA and the FDOT preferred option was included. Concerns regarding technical aspects of the proposed alternative and cost determination were raised by FDOT and MPO.

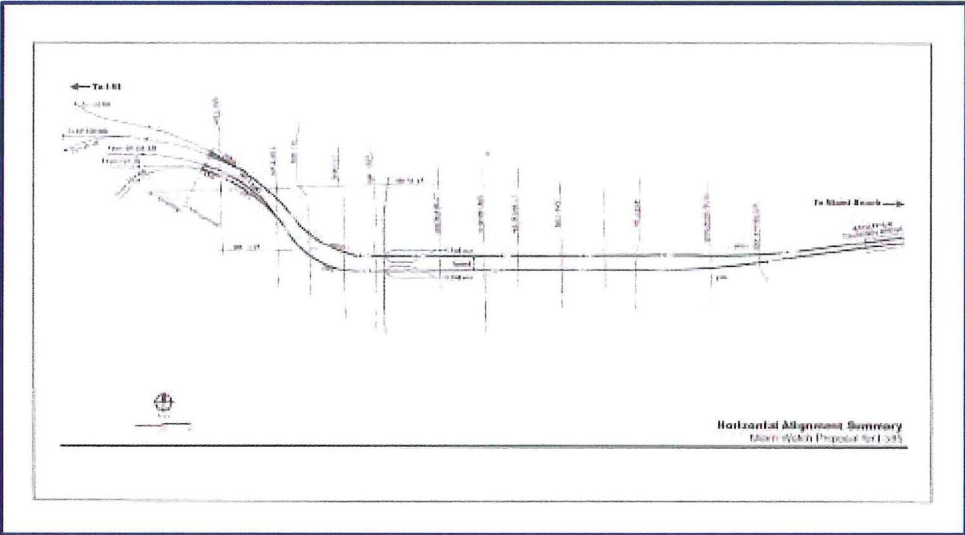
RECOMMENDATIONS:

To establish a panel to oversee the I-395 reconstruction project, evaluate the possibility to purchase the right-of-way as soon as possible, discuss other uses and potential purchase of the FEC track, authorize additional funding to evaluate in detail the MUWA, analyze the economic impact of the MUWA and to search for funding sources to revitalized downtown Miami as well as to implement the MUWA.

STATUS:

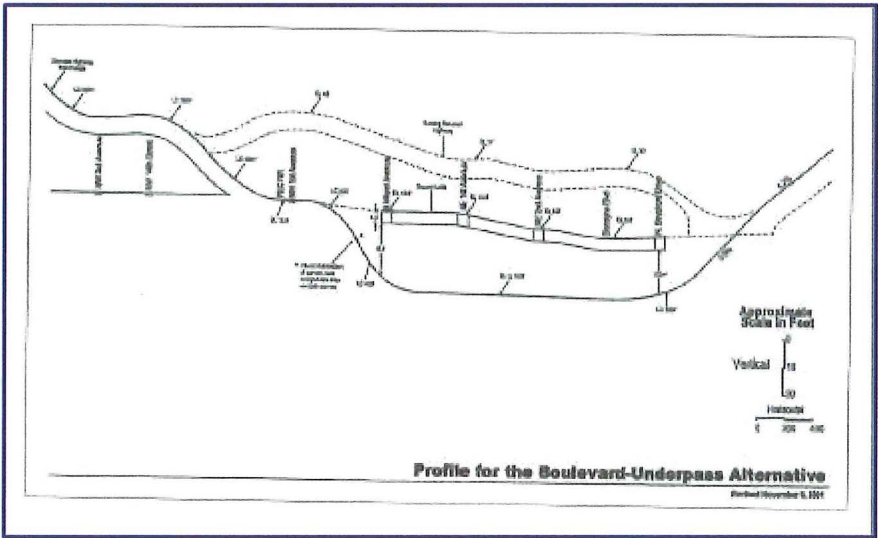
Due to differences among the parties involved in the development of the study, a work order was assigned to another consultant to evaluate both alternatives and search for additional alternatives that could create the consensus among citizens, private sector, and state, county and city officials.

PHOTO GALLERY:

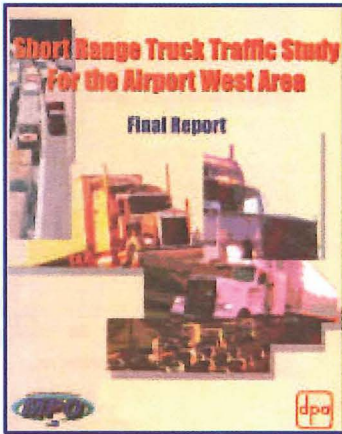


MUWA
Horizontal
Alignment

MUWA
Vertical
Alignment



Short Range Truck Traffic Study for the Airport West Area



Prepared for: Metropolitan Planning Organization (MPO)

Prepared by: David Plummer & Associates

Starting Date: October 2000

Completion Date: July 2002

Contact Person: Frank Baron
(305) 375-1522
FBARON@miamidade.gov

OBJECTIVE:

The objective of this study was to develop a set of standards and an implementation plan to better accommodate truck traffic and commercial trucker's needs in the Airport West Area.

HIGHLIGHTS:

A survey and field inspections determined the needs and the freight movement characteristics of the area. In coordination with the Study Advisory Committee, two corridors were selected for further evaluation. Along these corridors four intersections were analyzed and recommendations established. Additionally a set of standards were developed for roadways within the study area.

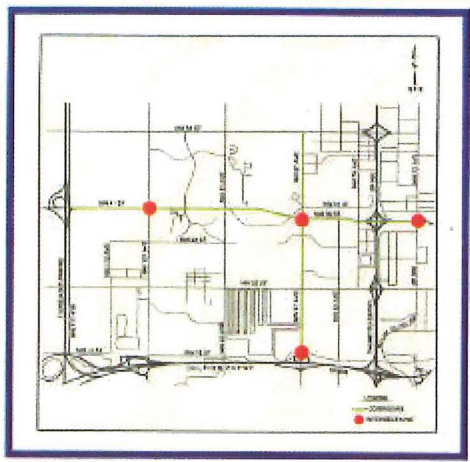
RECOMMENDATIONS:

Due to limitations for expansion of the ROW, short and long terms alternatives included: intersection improvements, establishment of shuttle services, signal re-timing, road widening, implementation of some recommendations made in the Superarterial Study, and development of trip reduction ordinance alternatives for the area, among other actions.

STATUS:

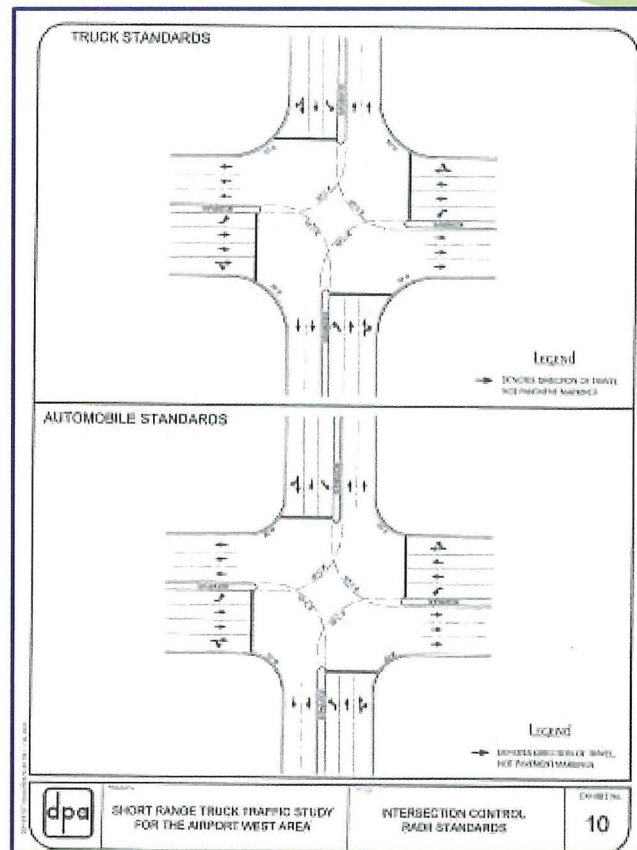
All recommendations were submitted to the Airport West Transportation Management Area (AWTMA) for further consideration and implementation.

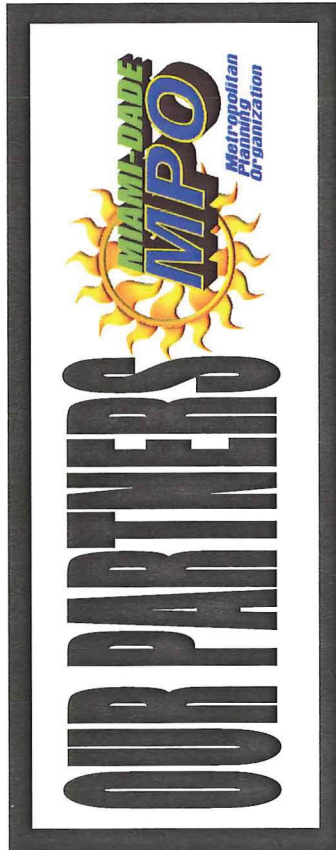
PHOTO GALLERY:



The two corridors and four intersections selected for detailed analysis are shown in this exhibit.

This exhibit shows the suggested intersection control radii standards for cars and trucks for the study area.





**City of Hialeah
City of Miami
City of Miami Beach
City of North Miami
Dante B. Fascell Port of Miami
Department of Environmental Resources Management
Florida Department of Transportation District VI
Miami-Dade Public Schools
Miami-Dade Expressway Authority
Miami-Dade League of Cities
Miami-Dade Planning & Zoning
Miami-Dade Public Works
Miami-Dade Transit
Miami International Airport
Office of Public Transportation Management
Tri-County Commuter Rail Authority/Tri-Rail**

**Broward County MPO
Florida Department of Transportation District IV
Palm Beach MPO
South Florida Commuter Services
South Florida Regional Planning Council
South Florida Vanpool Program**