

MPO for the Miami Urbanized Area

2020 TRANSPORTATION PLAN

COUNTYWIDE



MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2020 COUNTYWIDE SUMMARY

The draft Miami-Dade Transportation Plan for the Year 2020 is being developed to guide federal, state, and local transportation expenditures between now and 2020. The Plan is intended to be comprehensive, including improvements to existing facilities, extensions of existing facilities, and new facilities for both highway and mass transit.

The Plan development process involves months of technical work and public involvement activities. At present, the Plan is being developed through the use of a detailed travel demand forecasting model and other analytical tools, the results of which are evaluated by the Transportation Planning Council, made up of representatives of state, regional, and local agencies and the citizenry.

The travel demand forecasting model considers:

- * The current system of roadway and transit facilities
- * Current population and employment
- * Current traffic and transit ridership
- * Future land use, population, and employment
- * Future traffic and transit ridership

The Transportation Planning Council, before making their recommendation, considers:

- * The results of the travel demand model
- * Historic preservation, right-of-way constraints
- * Air quality, environmentally sensitive areas, and natural resources
- * Future, anticipated financial capability
- * The concerns and desires of the community

As part of the process of developing this Plan, a draft Needs Plan has been developed and presented herewith. The draft Needs Plan depicts all of the transportation facility improvements that will be needed through the year 2020 to meet all of the metropolitan area's transportation requirements, to the extent possible. The projects that are listed in this document represent the draft Needs Plan for the Miami Urbanized Area.

Concurrently, a Financial Resources document is being developed. The Financial Resources report provides information on the anticipated funding available to design and construct projects in the Needs Plan through the Year 2020.

Finally, a Cost Feasible Plan will be developed. The Cost Feasible Plan will depict those major capital improvement projects in the Needs Plan that Miami-Dade County can reasonably expect to be able to afford to build between now and 2020, according to the Financial Resources information. The Cost Feasible Plan will represent the highest priority projects from the Needs Plan that are within the financial capabilities of the Miami-Dade County area. In the months following, draft copies of the Plan will be developed and available for comment. As public informational meetings proceed, input from the residents of the metropolitan area regarding the Cost Feasible Plan will be requested, recorded, evaluated, and addressed prior to the Transportation Planning Council's recommendation for adoption of the Cost Feasible Plan to the MPO.

GOALS AND OBJECTIVES

Goal

Provide for a safe, efficient, economical, attractive, and integrated multimodal transportation system that offers convenient, accessible, and affordable mobility to all people and for all goods, conserves energy, and protects both the natural and social environment.

Objectives

Multimodal Transportation System Development

Plan for the provision of transportation services and facilities to serve the needs of the population in the metropolitan area, in accordance with federal and state transportation planning process requirements.

Develop an integrated multimodal transportation system that emphasizes people movement by facilitating the transfer between modes and the connectivity of the transportation network within and outside the metropolitan area.

Preserve rights of way in corridors anticipated to be heavily traveled in the future.

To consider the effects of transportation policies on land use development for both the short and longer range.

Traffic Flow/Mobility

Preserve existing highway and transit facilities by improving efficiency and safety.

Achieve the operating level-of-service standards adopted in the Comprehensive Development Master Plan and in the Florida Intrastate Highway System Plan.

Plan for maximum utilization of existing transportation capacity, relieve congestion and prevent congestion from occurring where it does not yet occur.

Social

Plan and develop a transportation system that preserves the social integrity of urban communities.

Environmental

Plan for a transportation system that gives due consideration to air quality and environmentally sensitive areas, conserves energy and natural resources, and is consistent with applicable federal, state, and local energy conservation program goals and objectives.

Plan for transportation projects that enhance the quality of the environment.

Economic

Define a sound funding base utilizing public and private sources that will assure operation and maintenance of existing facilities and services and timely implementation of new projects and services.

Provide for and enhance the efficient movement of freight.

Analysis Areas

Miami-Dade County has been divided into six areas of analysis for purposes of presentation during the public meetings for the Miami-Dade Transportation Plan to the Year 2020. For each analysis area, population, employment, and travel characteristics data have also been aggregated to the extent feasible, and are presented in the individualized booklets prepared for each area meeting.

The six Analysis Areas listed below are depicted on the map on the following page.

- * Northwest
- * West
- * Beach-CBD
- * North
- * Central
- * South

Demographic and Background Information

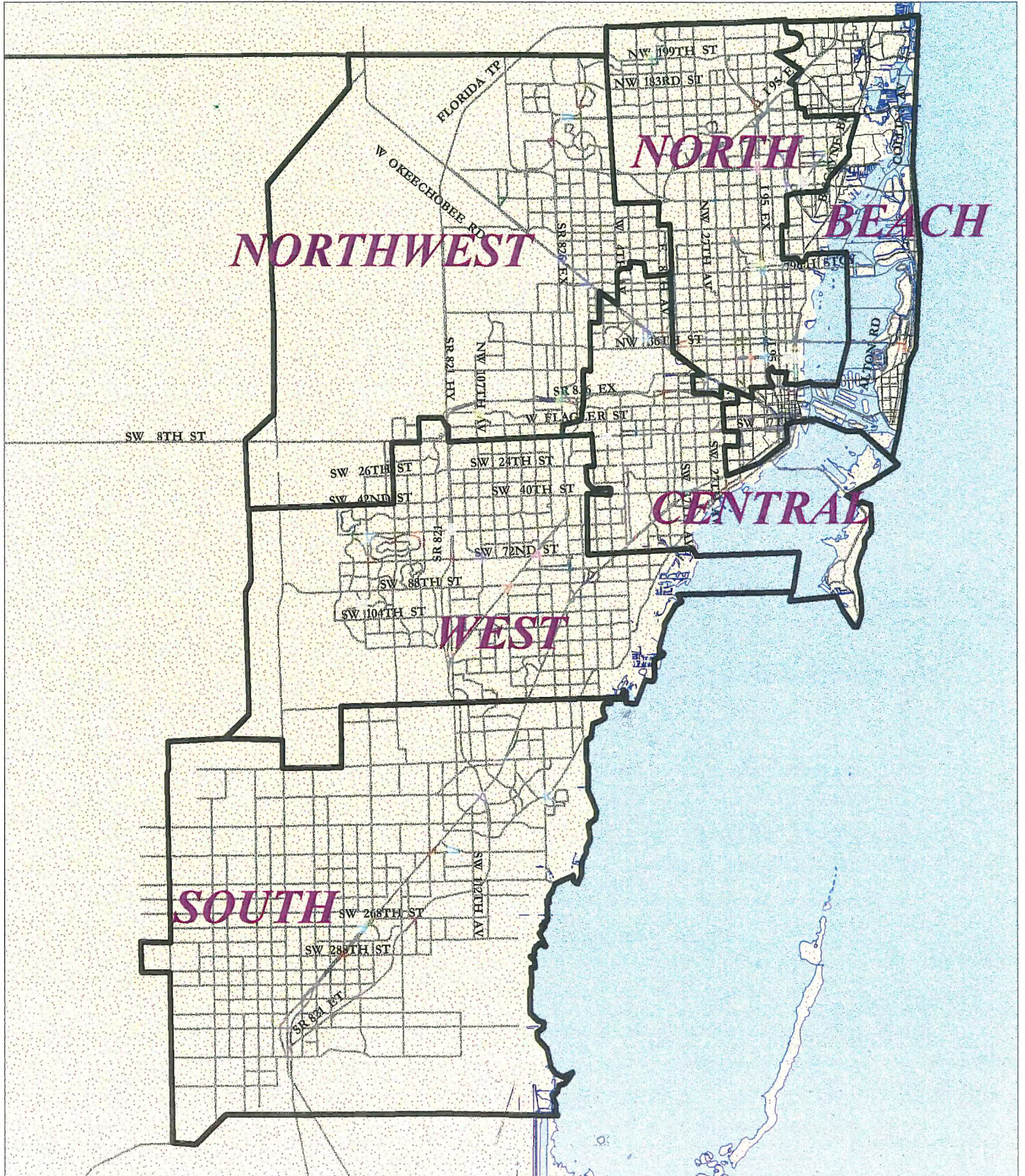
Demographic, or socio-economic, data are the driving force behind the model used in developing the Needs and Cost Feasible Plans. The charts below depict the demographic trends that will shape the area between 1990, the model's base year, and 2020, the Plan Year. This section also includes two maps depicting population and employment densities, countywide.

Countywide Demographic Information

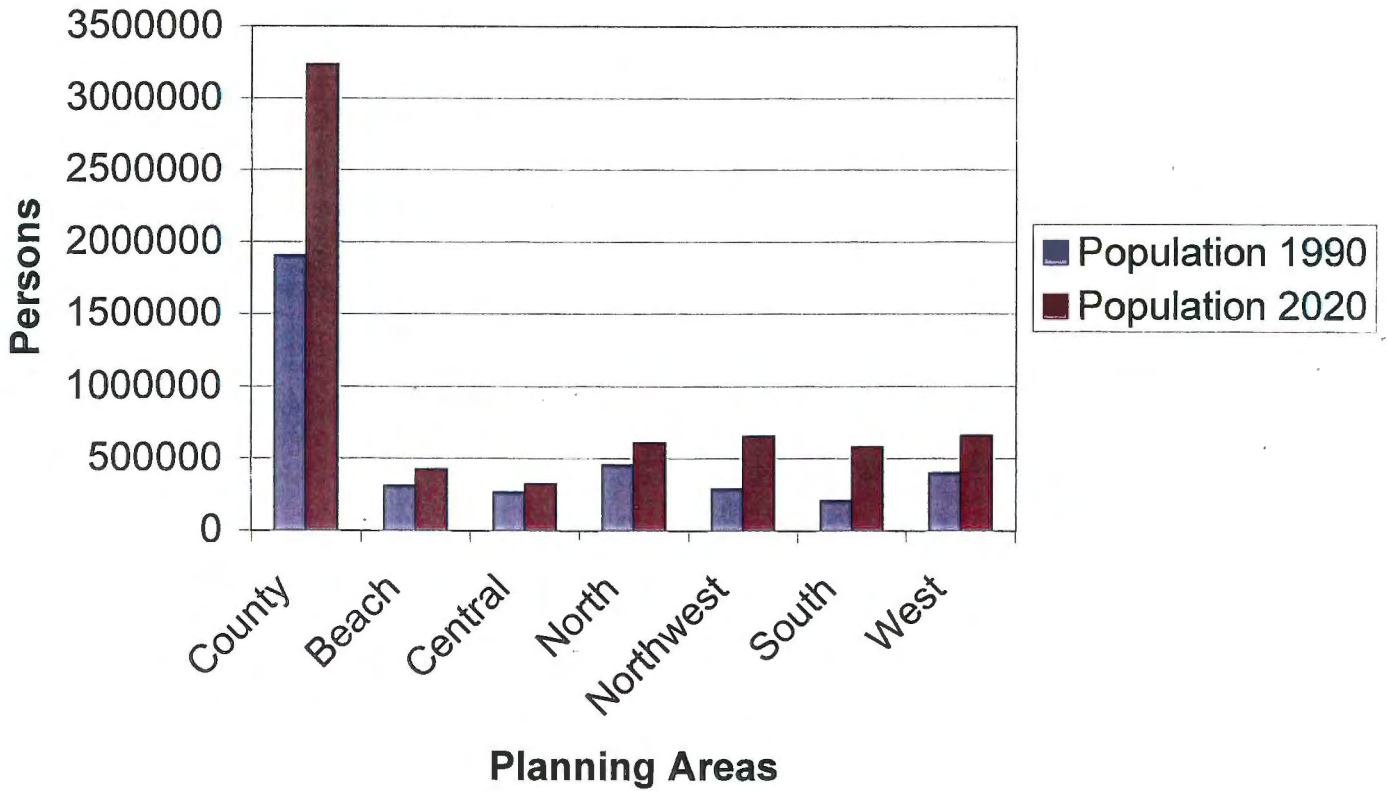
	1990	2020	Percent Increase
Population	1,901,856	3,232,291	70.0%
Dwelling Units	770,098	1,227,184	59.4%
Personal Autos	1,147,980	1,890,095	64.6%
Employment	1,104,788	1,463,730	32.5%
Trips	15,747,492	24,894,618	58.1%

MIAMI - DADE TRANSPORTATION PLAN TO THE YEAR 2020

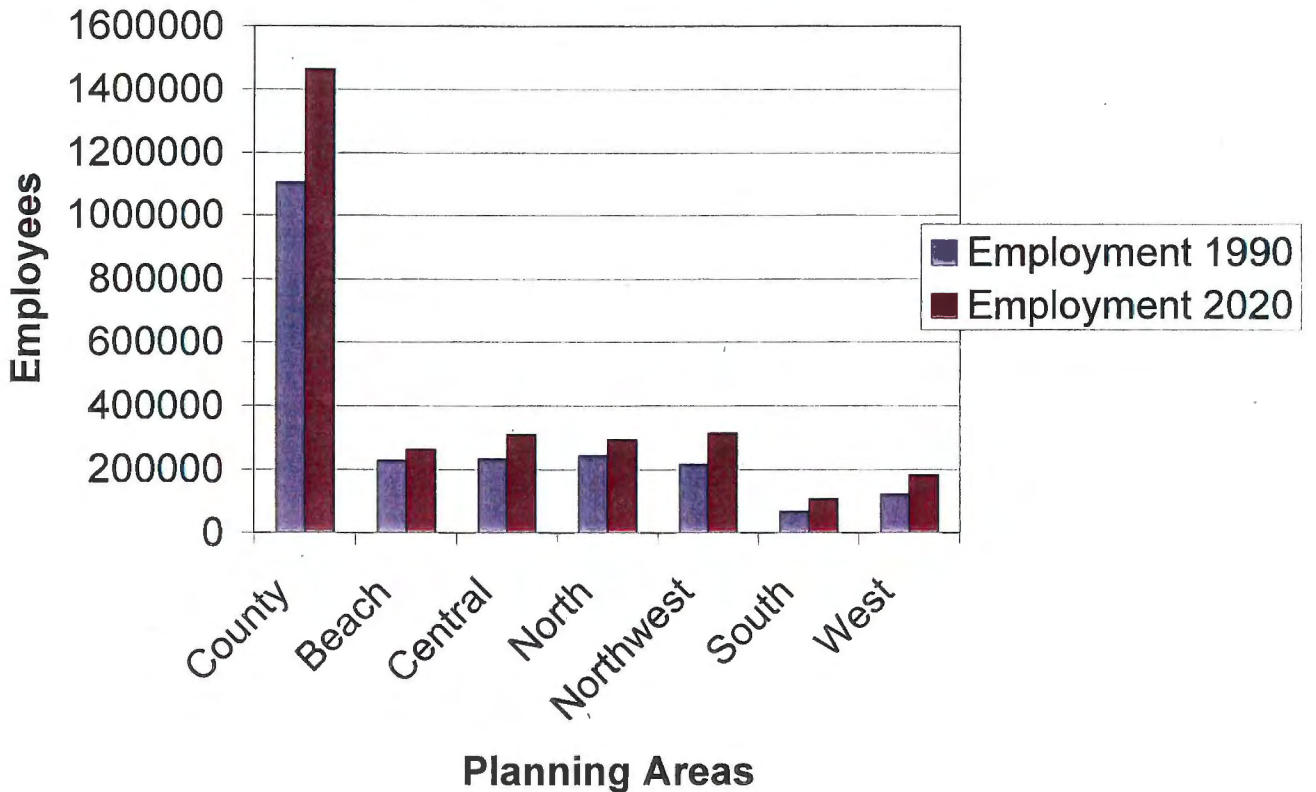
SIX AREAS OF ANALYSIS



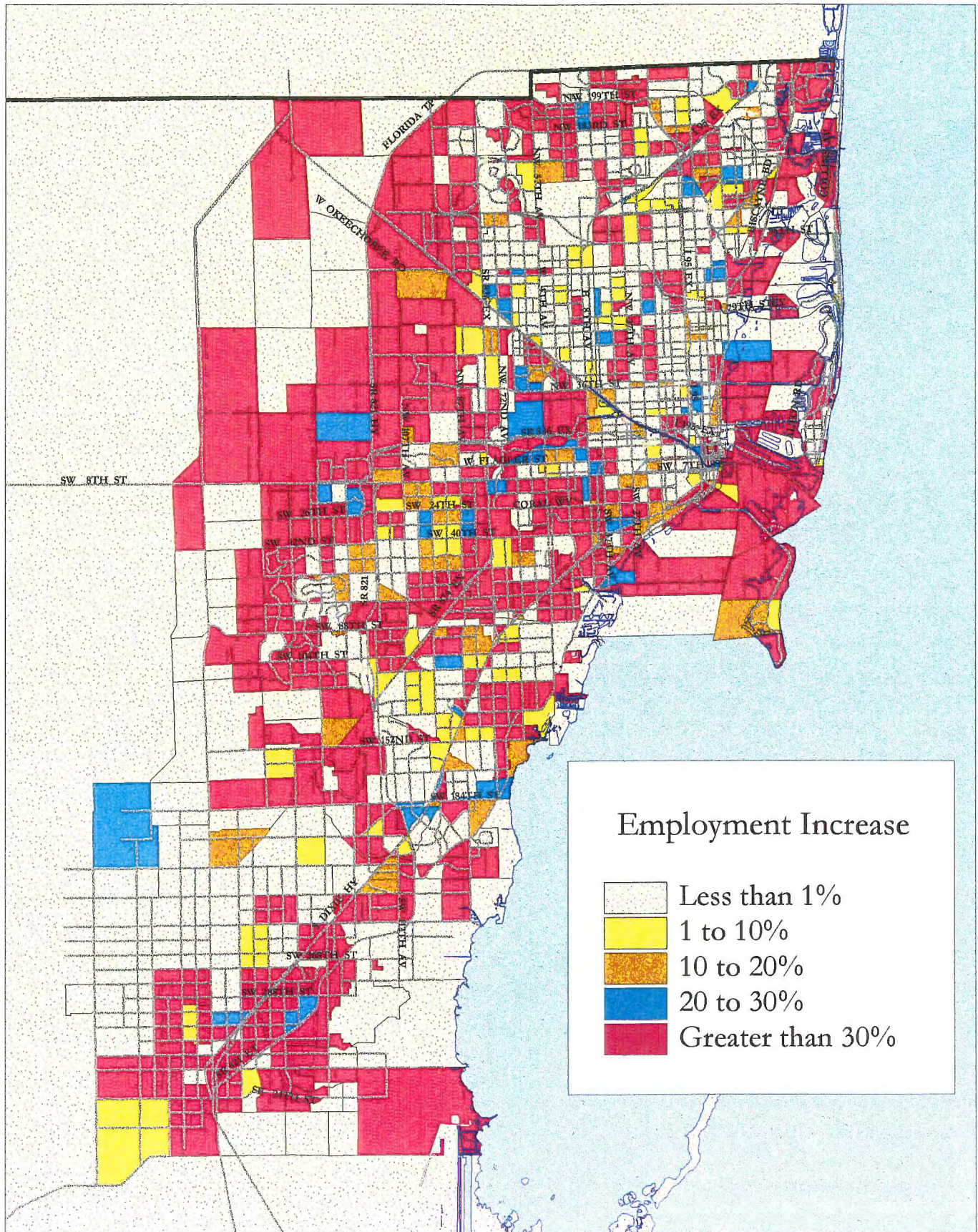
Total Permanent Population



Total Employment



Miami - Dade County Employment Growth 1990 to 2020



The Draft Needs Plan

The Draft Needs Plan was developed to depict all the major capital transportation facility improvements that would be needed through the Year 2020. The Plan was developed to show needs only, regardless of project costs. The list of projects shown is in addition to those improvements already approved in the County's five year Transportation Improvement Program (TIP).

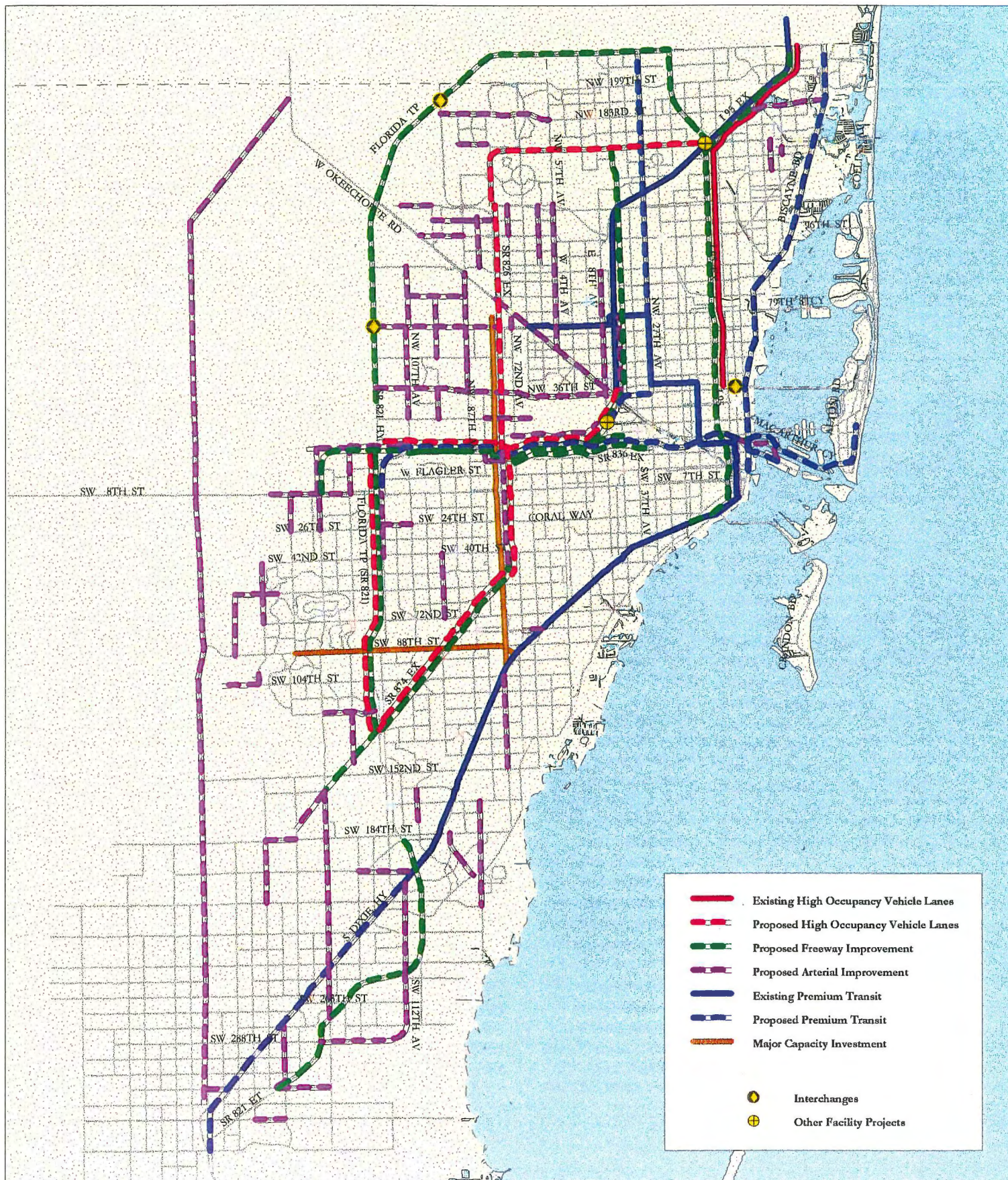
The map on the following page depicts the Draft Needs Plan projects. The list on the page following the map describes the projects's limits and proposed improvements/actions (i.e., 2 lanes, 4 lanes, etc.).

All of the Draft Needs Plan projects will not be constructed by the Year 2020, due to financial constraints. A subset of the recommended Needs Plan, referred to as the Recommended Cost Feasible Plan, represents the projects that transportation officials can reasonably expect to be able to afford to construct in Miami-Dade County through the Year 2020.

Miami-Dade Transportation Plan to the Year 2020

Draft Needs Plan

County-wide



- Existing High Occupancy Vehicle Lanes
 - Proposed High Occupancy Vehicle Lanes
 - Proposed Freeway Improvement
 - Proposed Arterial Improvement
 - Existing Premium Transit
 - Proposed Premium Transit
 - Major Capacity Investment
-
- ◆ Interchanges
 - ⊕ Other Facility Projects

MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2020

DRAFT NEEDS PLAN *

<u>Project Location</u>	<u>From</u>	<u>To</u>	<u>Proposed Improvements</u>
Airport Perimeter Road	NW 20th Street	NW 72nd Avenue	2 to 4 lanes
Allapattah Road Extension	H.E.F.T./Biscayne	H.E.F.T./Allapattah	Widen to 4 lanes
Bicycle/Pedestrian/Greenway Projects			To be determined
Buses			New and Replacement
Central Parkway/NW 37th Ave	SR 826	SR 112	Construct new 5 lanes
Franjo Road	SW 184th Street	Old Cutler Road	2 to 4 lanes
Golden Glades			Multimodal Terminal
H.E.F.T.	I-75	Florida's Turnpike	4 to 6 lanes
H.E.F.T.	NW 74th Street		Construct Interchange
H.E.F.T.	Quail Roost Drive	Campbell Drive	4 to 6 lanes
H.E.F.T.	SR 836	I-75	4 to 6 lanes
H.E.F.T.	SR 836	SR 874	6 to 8 lanes
H.E.F.T.	I-75 Interchange		Interchange Improvements
H.E.F.T.	Snapper Creek Service Plaza		Carpool/Rideshare Lot
H.E.F.T.	I-75	Florida's Turnpike	4 to 6 lanes
H.E.F.T.	SR 836	SR 874	6 to 8 lanes
I-195			Intelligent Corridor System
I-195	Miami Avenue		Interchange
I-395			Intelligent Corridor System
I-395	I-95	MacArthur Causeway	Reconstruction
I-395/I-95/SR 836	NW 17th Avenue	I-95	Interchange Improvements
I-75			Intelligent Corridor System
I-95			Intelligent Corridor System
I-95			Multimodal Master Plan Improvements
Interconnector	MIC	SR 112	New 6 lane
Interconnector	SR 836	MIC	New 6 lane
Kendall Corridor	Dadeland North	SW 147th Avenue	Premium Transit/Kendall
Krome Avenue	SW 8th Street	US 1	New 2 lane with access rights protectio
Krome Avenue	SW 8th Street	Okeechobee Road	New 2 lane with access rights protectio
LeJeune Road	SR 112	NW 103rd Street	5 to 6 lanes
MDTA Transit Center	Downtown Miami		Construct Downtown Bus Terminal
MIC			Premium Transit/MIC
NE 12th Avenue	NE 151st Street	NE 167th Street	Widen to 3 lanes/TOPICS Improvement
NE 15th Avenue	NE 159th Street	NE 163rd Street	Widen 2 to 3 lanes
NE 183rd Street	NE 6th Avenue	US-1	4 to 6 lanes
North Corridor	Earlington Heights	MIC	Premium Transit/North
North Corridor	MLK Jr. Plaza Station	Broward County Line	Premium Transit/North
NW 107th Avenue	NW 106th Street	NW 41st Street	New 4 lane
NW 122nd Street	Okeechobee Road	NW 87th Avenue	2 to 5 lanes
NW 12th Street	NW 110th Avenue	NW 107th Avenue	New 4 lane
NW 12th Street	NW 110th Avenue	NW 127th Avenue	2 to 4 lanes
NW 12th Street	NW 127th Avenue	NW 137th Avenue	2 to 4 lanes and new 4 lane
NW 138th Street	NW 107th Avenue	NW 97th Avenue	2 to 5 lanes
NW 170th Street	NW 77th Avenue	NW 87th Avenue	2 to 4 lanes
NW 183rd Street	I-75	NW 57th Avenue	4 to 6 lanes
NW 25th Street Viaduct	NW 68th Avenue	NW 82nd Avenue	4 to 6 lanes
NW 36th/41st Street	NW 42nd Avenue	H.E.F.T.	Express Street (ITS, grade separations)
NW 37th Avenue	NW North River Drive	NW 79th Street	2 to 5 lanes
NW 57th Avenue	Okeechobee Road	NW 138th Street	4 to 6 lanes
NW 62nd Avenue	NW I05th Street	NW 138th Street	Widen to 3 lanes

MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2020

DRAFT NEEDS PLAN *

Project Location	From	To	Proposed Improvements
NW 72nd Avenue	NW 122nd Street	NW 138th Street	2 to 3 lanes
NW 72nd Avenue	NW 74th Street	Okeechobee Road	4 lanes and bridge
NW 74th Street Parkway Extension	SR 826	H.E.F.T.	New 4 Lane
NW 7th Street	NW 77th Avenue	NW 82nd Avenue	New 4 lane
NW 82nd Avenue	NW 7th Street	NW 12th Street	New 4 lane
NW 87th Avenue	NW 58th Street	Okeechobee Road	New 4 lane
NW 87th Avenue	NW 36th Street	NW 58th Street	4 to 6 lanes
NW 90th Street	NW 107th Avenue	NW 87th Avenue	New 2 lane
NW 97th Avenue	NW 58th Street	NW 90th Street	New 4 lane
NW 97th Avenue	NW 25th Street	NW 41st Street	2 to 4 lanes
NW/SW 107th Avenue	NW 41st Street	NW 25th Street	4 to 6 lanes
Okeechobee Road	SR 112	SR 826	4 to 6 lanes
Port Tunnel	Port of Miami	I-395	Construct Tunnel
South Dixie Highway	SW 112th Avenue	SW 344th Street	Busway Extension
SR 112			Intelligent Corridor System
SR 826	Dadeland	NW 74th Street	Premium Transit/SR 826
SR 826	SR 874	SR 836	Queue Bypass Lanes
SR 826			Intelligent Corridor System
SR 826	NW 154th Street	Golden Glades Interchange	One HOV lane each direction
SR 826	Dadeland	NW 74th Street	Premium Transit/SR 826
SR 826	SR 874	SR 836	Queue Bypass Lanes
SR 826	SR 874	I-75	One HOV lane each direction
SR 826	SR 874	SR 836	Queue Bypass Lanes
SR 836	Downtown	Miami Beach	Premium Transit/Beach
SR 836	NW 72nd Avenue	NW 17th Avenue	Operational Improvements
SR 836	Seaport	Palmetto Expressway	Premium Transit/West
SR 836	H.E.F.T.	SR 112	Queue Bypass Lanes
SR 836			Intelligent Corridor System
SR 836	Palmetto Expressway	FIU	Premium Transit/West
SR 836	NW 107th Avenue	NW 87th Avenue	Roadway Improvements Project
SR 836	Seaport	Palmetto	Premium Transit/West
SR 836	Palmetto	FIU	Premium Transit/West
SR 836	Extension	NW 137th Avenue	New 6 lane
SR 836	H.E.F.T.	SR 112	Queue Bypass Lanes
SR 836 Corridor	HEFT	Interconnector	One HOV lane each direction
SR 874	H.E.F.T.	SR 826	Killian Southbound Improvements
SR 874	H.E.F.T.	SW 137th Avenue	New 6 lane expressway w/arterial to SW 147th Avenue
SR 874			Intelligent Corridor System
SR 874	H.E.F.T.	SR 826	Widening
SW 104th Street	SW 160th Avenue	SW 167th Avenue	New 4 lane
SW 107th Avenue	Quail Roost Drive	SW 160th Street	2 to 4 lanes
SW 112th Avenue	US 1	H.E.F.T.	4 to 6 lanes
SW 117th Avenue	SW 40th Street	SW 8th Street	2 to 4 lanes
SW 120th Street	SW 137th Avenue	SW 117th Avenue	4 to 6 lanes
SW 127th Avenue	SW 120th Street	SW 144th Street	New 4 lane
SW 137th Avenue	NW 12th Street	SW 8th Street	2 to 6 lanes
SW 137th Avenue	SW 8th Street	SW 26th Street	4 to 6 lanes
SW 137th Avenue	US 1	H.E.F.T.	2 to 4 lanes
SW 137th Avenue	SW 184th Street	US 1	New 2 lane
SW 147th Avenue	SW 8th Street	SW 26th Street	New 2 lane

MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2020

DRAFT NEEDS PLAN *

<u>Project Location</u>	<u>From</u>	<u>To</u>	<u>Proposed Improvements</u>
SW 152nd Avenue	US 1	SW 312th Street	2 to 4 lanes
SW 157th Avenue	SW 95th Street	SW 104th Street	2 to 4 lanes
SW 157th Avenue	SW 56th Street	SW 72nd Street	New 4 lane
SW 157th Avenue	SW 184th Street	SW 216th Street	New 2 lane
SW 157th Avenue	SW 42nd Street	SW 56th Street	New 2 lane
SW 167th Avenue	SW 56th Street	SW 88th Street	New 2 lane
SW 184th Street	SW 157th Avenue	SW 147th Avenue	2 to 4 lanes
SW 200th Street	US 1	Quail Roost Drive	2 to 4 lanes
SW 24th Street	SW 117th Avenue	SW 107th Avenue	4 to 6 lanes
SW 312th Street	SW 152nd Avenue	SW 137th Avenue	2 to 4 lanes
SW 312th Street (Phase 2)	SW 187th Avenue	SW 177th Avenue	Widen to 5 lanes
SW 328th Street	SW 162nd Avenue	SW 152nd Avenue	Widen to 4 lanes
SW 42nd/37th Avenue	MIC	Douglas Station	Premium Transit/SW 42nd/37th Ave.
SW 56th Street	SW 157th Avenue	SW 167th Avenue	New 2 lane
SW 56th Street	SW 152nd Avenue	SW 157th Avenue	New 4 lane
SW 77th Avenue	SW 104th Street	SW 152nd Street	2 to 4 lanes
SW 80th Street	SW 72nd Avenue	US 1	2 to 5 lanes
SW 87th Avenue	SW 168th Street	SW 216th Street	2 to 4 lanes
SW 8th Street	SW 127th Avenue	SW 152nd Avenue	4 to 6 lanes
SW 97th Avenue	SW 72nd Street	SW 40th Street	2 to 4 lanes
Turnpike	Golden Glades Toll Plaza	Broward County Line	6 to 8 lanes
Turnpike	I-95	Golden Glades Toll Plaza	4 to 6 lanes
US 1	Downtown	Broward County Line	Premium Transit/NE
W 127th Avenue	SW 8th Street	NW 12th Street	2 to 4 lanes
W 24th Avenue	W 52nd Street	W 76th Street	2 to 5 lanes
W 76th Street	W 28th Avenue	W 20th Avenue	2 to 5 lanes
W 76th Street	W 36th Avenue	W 28th Avenue	2 to 5 lanes

***PLEASE NOTE: The listing above is not considered to be a formal setting of priorities. Based on the Needs Plan (which includes all transportation improvements needed through 2020), a Cost Feasible Plan will be developed. The Cost Feasible Plan will include the highest priority projects that Miami-Dade County can afford. Thus, not every project listed above may be included in the Final Cost Feasible Plan.**



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