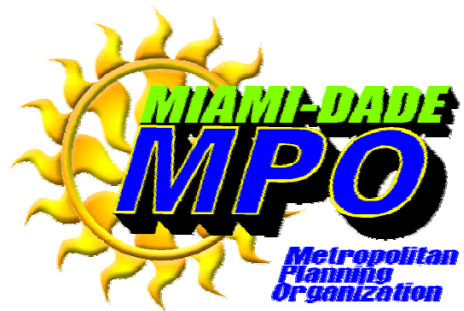


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TRANSPORTATION IMPROVEMENT PROGRAM





**TRANSPORTATION IMPROVEMENT PROGRAM
FISCAL YEARS 2011/2012 to 2015/2016**

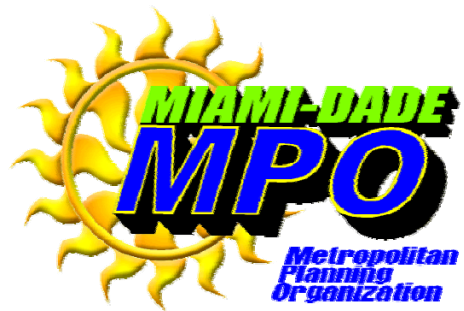
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METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA

Approved by MPO Governing Board on June 23, 2011

This document was prepared by the Metropolitan Planning Organization for the Miami Urbanized Area in collaboration With the Florida Department of Transportation, Miami-Dade Expressway Authority, Florida's Turnpike Enterprise, South Florida Regional Transportation Authority, Miami-Dade County Public Works Department, Miami-Dade Transit Agency, Miami-Dade Planning and Zoning Department, Miami-Dade County Aviation Department, Miami-Dade Seaport Department, Miami-Dade Department of Environmental Resources Management, Miami-Dade County Office of Strategic Business Management, and the Miami-Dade County Developmental Impact Committee.

The preparation of this report has been financed in part through grant(s) from
The Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation,
Under the State Planning and Research Program, Section 505 of Title 23, U.S. Code,
As well as Miami-Dade County, Florida.
The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation.



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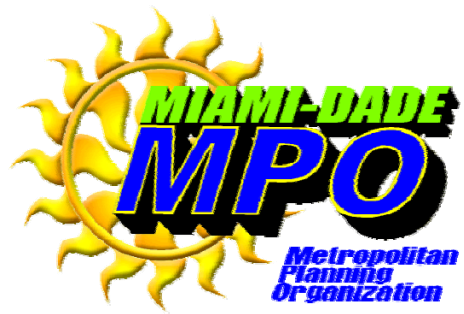


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A CITIZENS' GUIDE TO

THE TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Photo by Miami-Dade County Photographers



MESSAGE TO THE READER

Thank you for your interest and participation in the Miami Urban Area transportation planning process and in particular the Transportation Improvement Program (TIP).

What is the TIP?



The TIP is a staged multi-year program that prioritizes transportation improvement projects for federal, state and local funding. The TIP is also the capital improvements element of the long range transportation plan (LRTP). The TIP has a role in putting the LRTP into action.

TIP: Putting the Long Range Transportation Plan into action

Photo by Miami-Dade County Photographers



Picturing the projects contained in the 2035 Long Range Transportation Plan (LRTP) for Miami-Dade County as a warehouse full of transportation projects for the next 20-plus years, the TIP is the vehicle that carries those projects to market.

The TIP not only lists specific projects, but also the anticipated schedule and cost for each project. Like the LRTP, the projects in the TIP must be financially constrained, undergo a series of evaluations, and include opportunity for public comment.

Once compiled, review of the TIP begins. During this period of time there is a 30-day public review.

The TIP is a changing document. Frequently, projects may be added to meet changing priorities or to take advantage of a special opportunity. For this reason, the TIP may be changed after it is approved. It can be amended in order to add, change or delete projects for a variety of reasons. Amendments to the TIP must undergo the same review and public scrutiny as the original TIP.

Some basic facts about Miami-Dade County

Population

With a population of more than 2.4 million, Miami-Dade County is the most populous county in Florida and among the top 20 most populous metropolitan areas in the United States. By the year 2035, the region's population is expected to climb to approximately 3.2 million, while the number of households grows 40.7 percent, from the current 0.83 million to 1.2 million. In addition, the number of jobs in the county will increase from 1.3 million to over 1.9 million.

The region

Miami-Dade County is almost 2,300 square miles in area and encompasses thirty-one municipalities and the unincorporated area. The City of Miami is the County's most populous municipality, with a population of more than 417,451 inhabitants. There are 6 municipalities with populations over 50,000 and they are the City of Hialeah, City of Homestead, City of Miami, City of Miami Beach, City of Miami Gardens, and City of North Miami.

Transportation network

Miami-Dade's transportation network includes 40 miles of interstate freeways, 542 miles of major roadways, over 5,600 miles of local streets and roads, and 180 miles of bike paths. In all, that's over 6,000 mile that must be maintained, policed, cleaned and frequently repaved or rebuilt. In addition, there are 110 bridges, 130 miles of active railroad tracks, one major airport, and one seaport.

Public Transportation

Miami-Dade Transit (MDT) is the largest public transportation system in Florida, operating a fleet of more than 817 buses as well as Metrorail (the 22.6-mile elevated rail system) and Metromover (the 4.4-mile downtown people mover). MDT's buses travel approximately 3 million miles a month, with service throughout Miami-Dade County and commuter express service extending well into Broward County. Contracted bus service also is provided into Monroe County. The average daily ridership for Fiscal Year 2009-2010 was 224,200 boardings for bus; 58,800 boardings for rail and 26,200 boardings for our Metromover. Miami-Dade Transit buses travel approximately 2 ½ million miles each month.

Vehicles

In Miami-Dade County, there are 1.4 million passenger vehicles traveling our road network. In total, those vehicles travel 44 million miles daily; by 2035, that will increase to approximately 63 million miles daily. The typical household makes eight trips a day. The average resident of Miami-Dade County consumed 392 gallons of fuel in the year 2005 and traveled 18.7 average miles per day. These figures are expected to increase by at least 35 percent over the next twenty years.

The commute

Work trips account for nearly 20 percent of all travel in Miami-Dade County. On an average workday, 95 percent of the region's commuters travel to work by car, 5 percent by public transit. One percent walks or travels by some other means, such as bicycle, motorcycle, or taxi.

How to access the TIP on the web?



Photo by Miami-Dade County Photographers

The Transportation Improvement Program (TIP) document may be accessed through the website in two different ways.

- By visiting the MPO website at www.miamidade.gov/mpo - select “Downloads” from menu and get the Transportation Improvement Program documents
- You may also access the Interactive TIP document residing at the Miami-Dade County’s web portal at MY NEIGHBORGOOD site. You may access through the MPO website at www.miamidade.gov/mpo -- select “Resources” and from the drop down menu click on the InteracTIP option. This choice takes you to the Interactive TIP multimedia – the last icon is the My Neighborhood site.

The TIP’s Mechanics



Why is there a TIP?

The U. S. Department of Transportation will not approve use of federal funds for an improvement unless the project is identified in the TIP. Inclusion in the TIP does not, however, guarantee federal funding. The TIP is fiscally constrained with reasonable estimates of project costs balanced against anticipated funding. Projects not funded by the federal government are included in the TIP to provide a more comprehensive picture of the proposed allocation of transportation funds in the region.



Photo by Miami-Dade County Photographers



Who prepares the TIP?

The TIP is prepared by the Metropolitan Planning Organization (MPO) in cooperation with local transportation agencies. The Metropolitan Planning Organization (MPO) is the agency designated by the Governor of the State of Florida and certified by the federal government to carry out metropolitan transportation planning. The TIP is one of the MPO responsibilities.



How does the TIP work?

1. One year is current (the funded annual element); the remaining four are future.
2. Each year adds a new fifth year and advances a new annual period to current funded status.
3. Identifies funding levels, by source and type, and whether funds are to be used for: road capacity, preservation, bridges, transit capital, safety, non-motorized, right-of-way, study or other.
4. Improvements in the TIP are based on MPO-established priorities from LRTP.
5. TIP is consistent with the adopted 2035 Long Range Transportation Plan.



TIP consistency

The TIP must be consistent with the Long Range Transportation Plan (LRTP).



What fiscal years does this TIP include?

This TIP covers fiscal years 2012 to 2016. Fiscal years spanned are 2012, 2013, 2014, 2015 and 2016. Fiscal years, as opposed to calendar years, begin on July 1st and end on June 30th.

Fiscal Year 2012 -----	begins July 1, 2011 and ends June 30, 2012
Fiscal Year 2013 -----	begins July 1, 2012 and ends June 30, 2013
Fiscal Year 2014 -----	begins July 1, 2013 and ends June 30, 2014
Fiscal Year 2015 -----	begins July 1, 2014 and ends June 30, 2015
Fiscal Year 2016 -----	begins July 1, 2015 and ends June 30, 2016



What does the TIP include?

The TIP includes a prioritized listing of transportation improvement projects for the Miami-Dade County region for the next five fiscal years.



Who participates in putting the TIP together?

The MPO, with local transportation agencies and other stakeholders as follows (in alphabetical order):

1. Florida Department of Transportation (FDOT) District 6
2. Florida's Turnpike Enterprise
3. Miami-Dade Aviation Department
4. Miami-Dade Department of Environmental Resources Management
5. Miami-Dade Expressway Authority (MDX)
6. Miami-Dade Planning and Zoning Department
7. Miami-Dade Public Works Department
8. Miami-Dade Seaport Department
9. Miami-Dade Transit Agency (MDT)
10. Office of Strategic Business Management (OSMB)
11. South Florida Regional Transportation Authority (SFRTA)

The TIP's Technicalities



Who must approve the TIP locally?

The Metropolitan Planning Organization (MPO) Governing Board must approve the TIP.



Who must approve the TIP at the State level?

The Governor of the State of Florida must approve the TIP before the document becomes part of the State Transportation Improvement Program.



Who must approve the TIP at the federal level?

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) approve the TIP for funding purposes.

Where does the MPO get its authority?



Federal Law: From Title 23 U.S. Code -- “To carry out the transportation planning process a metropolitan planning organization shall be designated for each urbanized area with a population of more than 50,000 individuals”. In 1973, the Federal Transportation Act mandated that each urbanized area with 50,000 or more in population establish a Metropolitan Planning Organization (MPO). Federal law required that the Governor of the state designate the agency to serve as the MPO.

State Law: From 339.175 Florida Statutes: “It is the intent of the Legislature to encourage and promote the safe and efficient management, operation, and development of surface transportation systems” “to accomplish these objectives an MPO shall be designated for each urbanized area”. For large urban areas (over 200,000 in population), the Secretary of Transportation certifies these as Transportation Management Areas (TMAs). MPOs that are designated as TMAs have to be certified every three years.

TIP Program Funding



Where does Highway Funding come from?

Gasoline taxes, such as federal gas tax, state motor fuel tax, local option gas tax, voter gas tax, motor vehicle fees and road impact fees and automobile related user fees such as tolls.

Where does Transit Funding come from?

Transit funding comes from a combination of funds from the Federal Transit Administration (FTA), the State of Florida through the Florida Department of Transportation Public Transportation Office, Local Dedicated Source of Funding (half-penny sales tax) and Miami-Dade County's Budget (from local general funds).

2012 - 2016 TIP Review by Transportation Agencies



Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program (TIP)

Primary State Highways and Other Modal Projects

Florida Department of Transportation, District Six

This section of the TIP focuses on the Primary State Highways and Other Modal Projects which the Florida Department of Transportation (FDOT) District Six has programmed over the next five years. Projects listed include improvements to State Highways and to modal projects, which include transit, aviation, rail, seaport, freight, and bicycle/pedestrian modes.

The FDOT, District Six, *Primary State Highway and Intermodal Projects* section provides an overview of the following topics:

- The FDOT Five Year Work Program
- The Work Program Cycle
- Programs and Funding
- Major Intermodal Projects
- Strategic Intermodal System (SIS) Projects
- Intelligent Transportation System (ITS) Program
- Other Major Corridor Improvements
- Bicycle/Pedestrian Corridor Improvements
- Public Transportation Projects

The Florida Department of Transportation's Five Year Work Program

The FDOT District Six Work Program is a major component of the Miami-Dade Metropolitan Planning Organization's (MPO) TIP. The Work Program, which is updated annually, is a project specific list of transportation activities and improvements that the FDOT will undertake during the next five-year period. It is developed by the District in coordination with the Miami-Dade MPO, and is consistent with the MPO long range transportation plan, and MPO priorities. The projects must also meet the objectives of the 2060 Florida Transportation Plan (FTP). The first three years of the Adopted Work Program represent the State's commitment to undertake transportation projects that local governments may rely on for planning purposes, and for the development of capital improvement elements of the local government comprehensive plans.

The Work Program Cycle

The Department coordinates development of the work program with the MPO and input is received through public hearings held at various locations in the District. In the summer of 2010 FDOT began the new cycle to develop the “Tentative” Work Program for Fiscal Years (FY) 2011/2012 - 2015/2016. The final tentative program was sent to the Governor and the State Legislature for review in March of 2011, and will become effective on July 1, 2011.

Programs and Funding

Program Descriptions

For budgeting purposes the FDOT’s Work Program is comprised of five departmental programs: Product, Product Support, Operation and Maintenance, Administration, and Other. An overview of the different programs is summarized below:

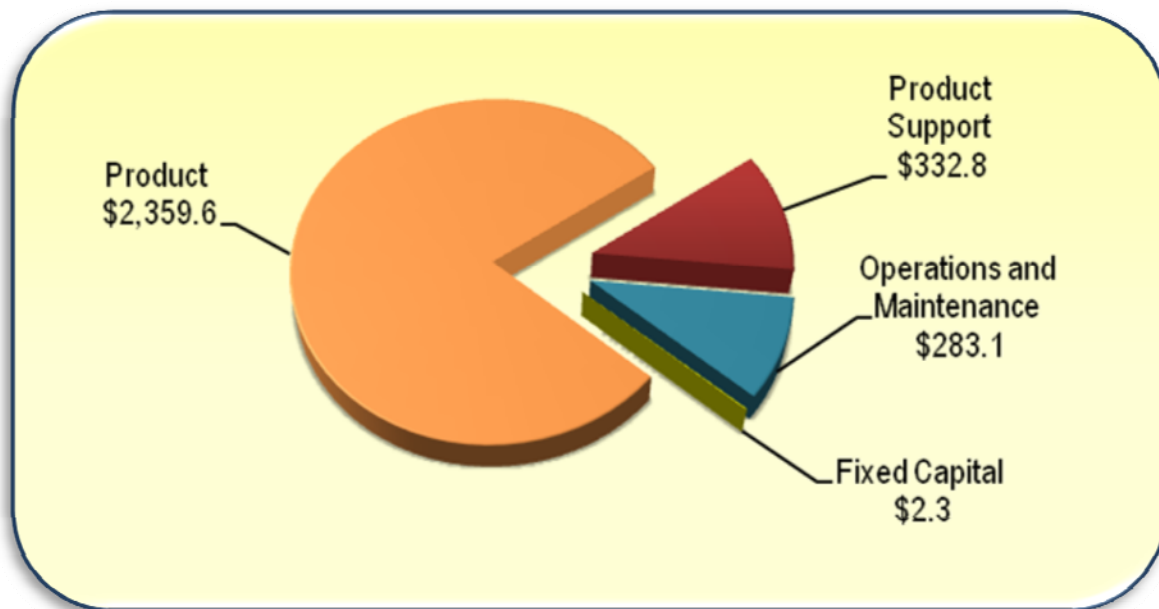
- **Product** - The FDOT’s Work Program Product consists of all transportation improvement projects for highways, bridges, and modal projects for public transportation, which include transit, aviation, rail, seaport, freight, and bicycle/ pedestrian modes. It also includes the land cost of right of way acquisition, resurfacing improvements for preservation of the transportation system, and safety programs.
- **Product Support** - Product Support includes preparation of planning studies, project development and environmental studies, design plans, right of way support costs for managing acquisition activities, environmental mitigation, construction engineering and inspection of projects noted above under the heading – Product. It also includes management and program oversight for public transportation grants.
- **Operations and Maintenance** - Operations and Maintenance includes the activities necessary to maintain and operate the transportation infrastructure once it is constructed. This includes routine roadway and roadside maintenance, bridge inspection, traffic engineering and operations, toll collection, and enforcement of motor carrier compliance laws.
- **Administration & Other** - Administration is comprised of work program development, financial services and budget, information systems, legal, personnel, and contract administration functions. It also includes construction and rehabilitation of department buildings and facilities. Other activities include debt service, State Infrastructure Bank (SIB) loan payback, maintenance of the FDOT’s mobile equipment, and operation of the FDOT warehouse and supply system.

Funding Overview

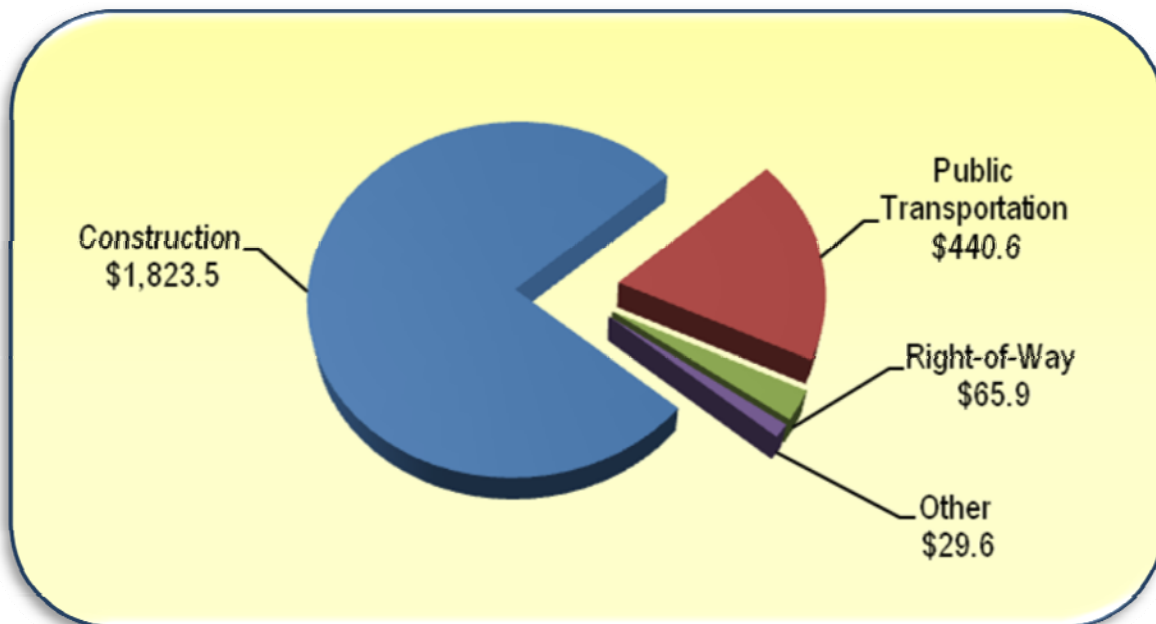
The Department's funds are allocated among seven Districts statewide. In the Miami-Dade urbanized area, District Six and the MPO determine the best use of Miami-Dade's share. The Department's resources are primarily from federal and state dedicated sources. The State Transportation Trust Fund and the Federal Highway Trust Fund receive revenue from specific tax sources for transportation purposes. Additional funding for Work Program projects comes from local and discretionary sources.

The Department has programmed approximately \$3 billion for transportation product, product support, operations & maintenance, and administration, over the next five years. The charts below provide a visual summary of the FY 2011/2012 - 2015/2016 Tentative Five Year Work Program costs. As shown in the charts, of the \$3 billion budget, the Department's total Product budget is \$2.36 billion. Approximately \$1.8 billion (or 77%) of the Product budget will go toward funding construction projects. These projects fall under four major construction categories: Capacity Improvement, Safety, Bridge, and Resurfacing. Approximately \$440 million (or 19%) of the Product budget will go toward Public Transportation programs and services. By statute, the Department must develop a program that is balanced to cash and revenue forecasts.

**FDOT, District Six, Total Budget Breakdown
Tentative Five Year Work Program
Fiscal Years 2011/2012 - 2015/2016**



FDOT, District Six, Product Budget Only Breakdown
Tentative Five Year Work Program
Fiscal Years 2011/2012 - 2015/2016



Major Projects

Several major projects funded in the FY 2011/2012 – 2015/2016 FDOT Work Program are highlighted in the following pages. The projects are organized into the following categories: Major Intermodal Projects; Strategic Intermodal System Projects; Intelligent Transportation System Program; Other Major Corridor Improvements; Bicycle/Pedestrian Corridor Improvements; and Public Transportation Improvements. FDOT, District Six, is comprised of Miami-Dade and Monroe Counties, however, only Miami-Dade projects are listed since Monroe is not part of the MPO planning area.

Major Intermodal Projects

Major Intermodal Projects can be defined as projects linking two or more transportation modes. One example of this project type is a transportation hub serving auto, transit, and pedestrian/bicycle travelers. The following are two Major Intermodal Project highlights in Miami-Dade County.

- **Miami Intermodal Center (MIC)**

The MIC Program includes the Rental Car Center, the MIC Central Station, the Miami International Airport (MIA) People Mover, the access roads and major highway improvements. The Rental Car Facility opened and began operations on July 13, 2010. The MIC/MIA People Mover and the Metro-Rail extension to the Airport, are currently under construction and the construction of the MIC Central Station is anticipated to begin in March 2011 with completion scheduled for April 2013.

The MIC Central Station is an intermodal facility designed to accommodate various transportation modes, thereby providing connectivity between the modes. Built around the

existing Tri-Rail tracks, the MIC Central Station will feature grade level tracks for Tri-Rail, Metrorail, AMTRAK, and future high-speed rail service. The MIC Central Station will also include service for intercity bus, private vehicle parking, Metro-Bus, taxis, and shuttle buses currently serving MIA.



Artist's rendering of the Miami Intermodal Center

- **NW 25th Street Reconstruction and Viaduct Construction**

The NW 25th Street reconstruction and viaduct construction is divided into two separate projects. The first project, from the Palmetto Expressway, east to 67th Avenue, is currently



Rendering of the NW 25th Street Viaduct

under construction, with completion scheduled for summer 2011. The second project, from the Palmetto Expressway, west to 89th Court, has a production letting date of July 2011. The overall project includes: 1) the widening and reconstructing of NW 25th Street; and 2) building a viaduct (an elevated bridge) to separate truck traffic bound for the airport, from 25th Street.

When both projects are completed, the viaduct will alleviate heavy truck volumes, and improve traffic flow, on NW 25 Street. It will also improve the movement of cargo to the west-side cargo facilities at Miami International Airport (MIA). The project will also provide direct access from the Palmetto Expressway to MIA. The Viaduct will route trucks over major intersections and railroad crossings.

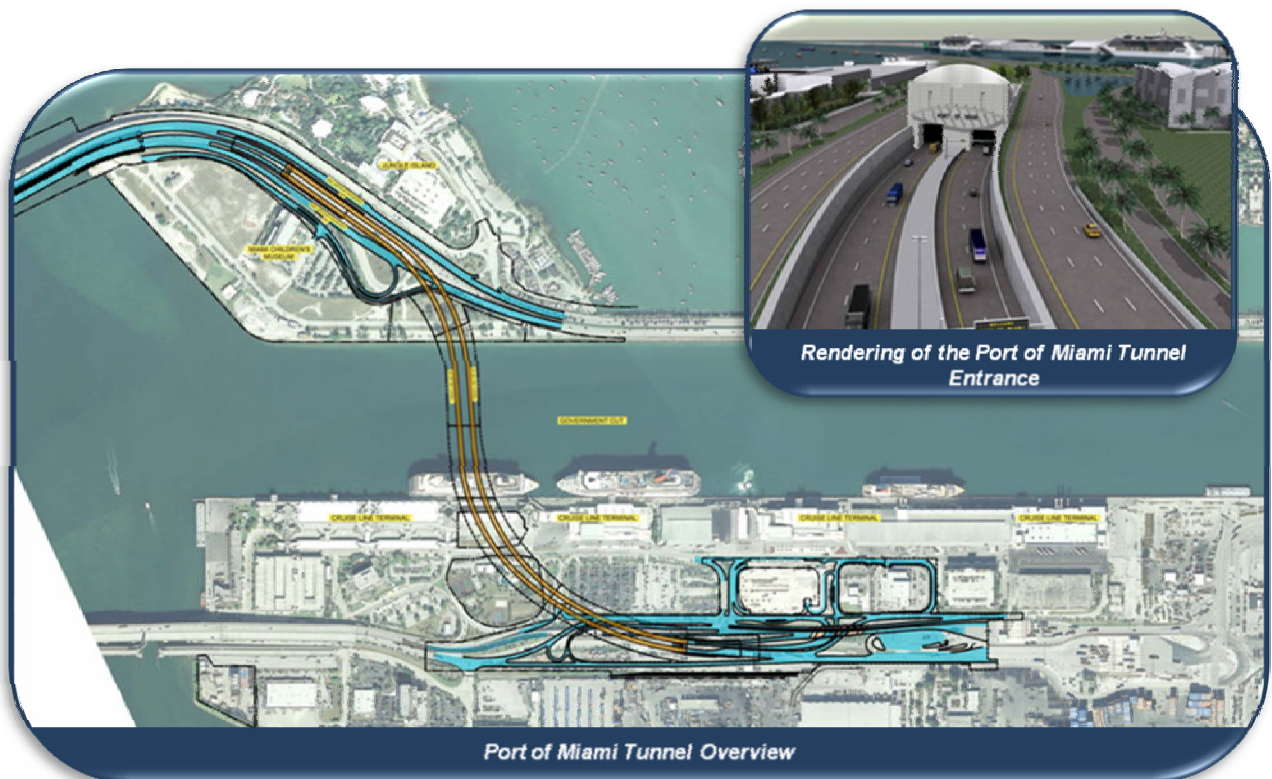
Strategic Intermodal System (SIS) Projects

The SIS is a statewide network of high-priority transportation facilities, including the State's commercial airports, deepwater seaports, freight rail terminals, passenger rail and intercity bus terminals, rail corridors, waterways and highways. These facilities are the workhorses of Florida's transportation system, carrying more than 99 percent of all commercial air passengers, virtually all waterborne freight tonnage, almost all rail freight, and more than 68 percent of all truck traffic and 54 percent of total traffic on the State Highway System. The following are SIS improvement projects in Miami-Dade County.

- **Port of Miami Tunnel Construction**

The Port of Miami Tunnel (POMT) project is a public-private partnership whereby the responsibility to design, build, finance, operate, and maintain the project is transferred to the private sector. The POMT is currently under construction by MAT (Miami Access Tunnel) Concessionaire, LLC, in partnership with the Florida Department of Transportation (FDOT), Miami-Dade County and the City of Miami. The project is anticipated to take a 55 months for design and construction. The concessionaire is required to operate and maintain the tunnel for a period of 35 years.

The POMT will link the Port directly to I-395 and I-95 via the MacArthur Causeway. It will improve traffic flow and safety in downtown Miami by reducing the number of cargo trucks and cruise related vehicles on congested downtown streets. The POMT will help the Port remain competitive in seeking additional freight generated by the Panama Canal expansion project. The Port is the community's second largest economic generator, providing 176,000 jobs, \$6.4 billion in wages, and \$17 billion in economic output.



- **SR 826/Palmetto Expressway Improvements**

Funding for the Palmetto Expressway improvements is included in the Work Program. Two projects are currently under construction. The largest project is the SR 826/836 interchange reconstruction. This project will enhance safety, increase capacity and increase the efficiency for motorists using the Interchange. The SR 826/836 interchange construction began in November 2009, and has a 5-year construction schedule, with completion in 2015. The second project is SR 826 reconstruction from Bird Road to Sunset, and includes the improved interchange with SR 874, the South Dade Expressway.

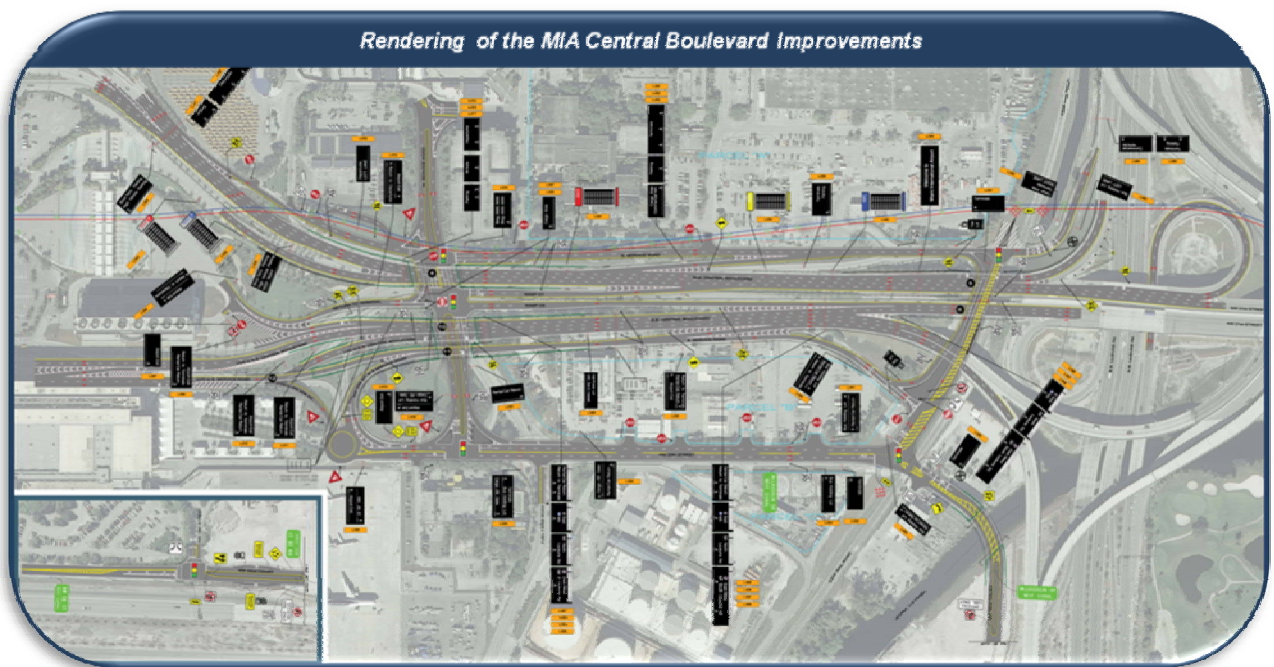


Rendering of the SR 836/SR 826 Interchange, looking North

- **Miami International Airport Central Boulevard Improvements**

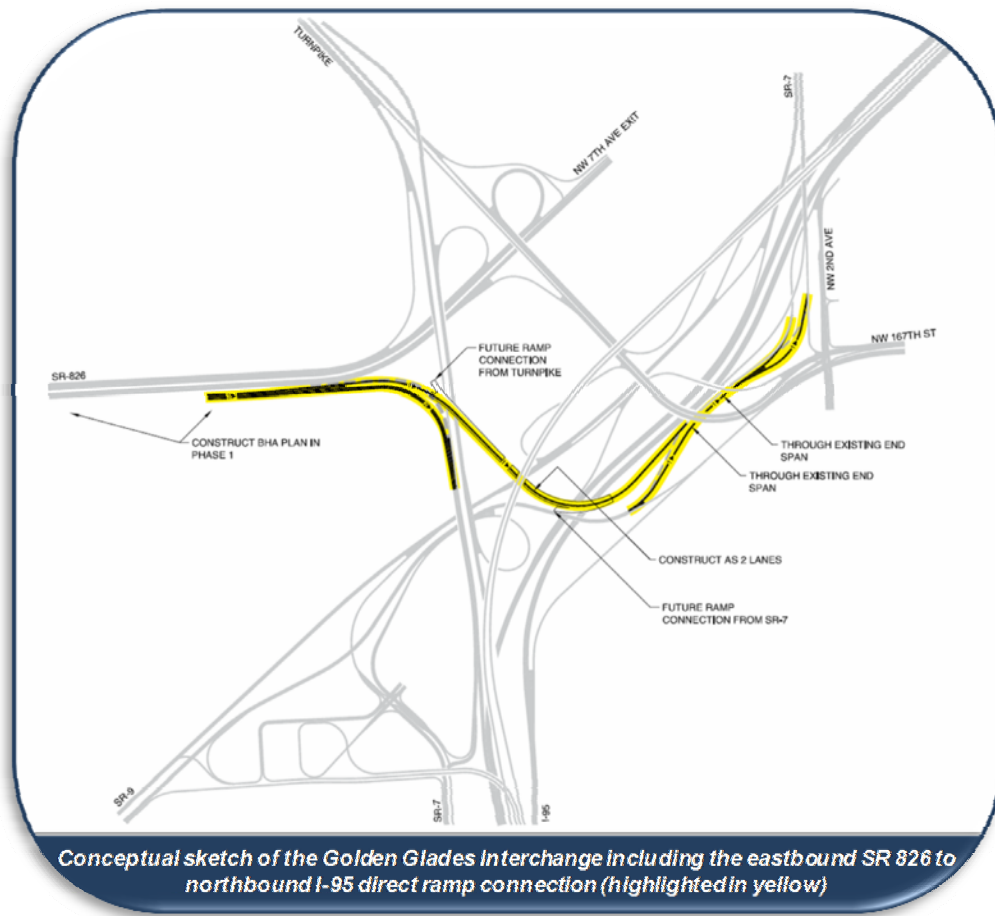
The Central Boulevard project will improve the main access roadway into the Airport. The project includes widening the roadway, and separating service and commercial traffic from airport passenger traffic. When completed, the upgraded roadway will link the Airport to the major highways, LeJeune Road, the Dolphin Expressway, and the Airport Expressway. Central Blvd will also be the direct link to the new Miami Intermodal Center (MIC).

The project is being accomplished through a partnership between the Florida Department of Transportation, the Miami-Dade Aviation Department, and Miami-Dade Expressway Authority. Under the agreement, FDOT has allocated \$36 million in matching state aviation funds, and MDX is designing and constructing the improvements.



- **SR 826 Eastbound to SR 9A/I-95 Northbound Ramp Connection**

Approximately \$55 million has been programmed for construction in FY 2016 for a direct ramp connection from eastbound SR 826 (Palmetto Expressway) to northbound I-95. This ramp connection, located within the Golden Glades interchange, will provide improved operations via a direct freeway-to-freeway connection between SR 826 and I-95, two of Miami-Dade's major expressways. Currently, the project development and environmental activities are underway.



- **SR 997/Krome Avenue Corridor Improvements**

The purpose of this project is to improve safety and operations along the Krome Avenue corridor, which has a unique mix of users ranging from commuters, to truck drivers, and farm tractors within the agricultural area. To date, the environmental process has been completed and Federal Location Design Acceptance has been issued for the segment from SW 136th Street to US 27. Construction and widening to 4 lanes will begin in FY 2015, for the section from Kendall Drive to SW 8th Street. Additional segments will be improved as funding becomes available.

Intelligent Transportation System (ITS) Program

Deployment of ITS techniques enables traffic to operate at an improved quality of service with virtually no disruption to adjacent property owners and at a fraction of the cost that it would take to physically widen the roadway. These projects include Closed Circuit Television Cameras (CCTV), roadway detectors and electronic message signs describing real-time roadway and traffic conditions. The Statewide 511 Traveler Information System provides travel information around the clock, for each ITS-instrumented roadway, and is available by dialing 511. Examples of projects are the 95 Express, I-95 ramp signaling, Road Ranger Service Patrols, electronic message signs, roadway traffic monitoring cameras, cable communication infrastructure expansion of ITS and continued expansion to additional roadways. Additional ITS elements are being implemented on current and upcoming projects such as the State Road 826/ State Road 836 Interchange Reconstruction Project and the State Road 826 project.



Other Major Corridor Improvements

Other major corridor improvements includes projects that are on the State Highway System, but are not on the SIS network. The following are two major corridor improvement projects in Miami-Dade County.

- **SR 823/NW 57th Avenue/Red Road Corridor Improvements**

This project includes reconstruction of the existing roadway and widening to 6 lanes with a raised median from Okeechobee Road to West 78th Street. It also includes milling and resurfacing the existing 6-lane divided facility from West 78th Street to West 84th Street. The retaining wall along the Red Road canal will be improved. The work also includes improved drainage, new sidewalks along the east side, new signalization, new lighting, and landscaping. The project will enhance safety, increase capacity, and increase efficiency for motorists using the corridor.

- **I-395 Corridor Improvements**

The Interim improvements include bridge widening, and milling and resurfacing, to improve the transition with the Port of Miami Tunnel improvements. The interim improvements are scheduled for construction in FY 2012-2013. The Department's goal is to have these improvements in place prior to the opening of the Port of Miami Tunnel in 2014.

Below is a selection of other major corridor improvements included in the 5-year work program.

Roadway	Project Type	Project Area
SR 5/South Dixie Highway	Resurfacing and reconstruction	Varying segments south of Kendall Drive to Cutler Bay
SR 959/SW 57 Avenue	Resurfacing	From US 1 to SW 8 Street
SR 7 / NW 7 th Avenue / NW 2 nd Avenue	Landscaping, resurfacing, rehabilitation and reconstruction	Varying segments from NW 6 Street to south of NW 215 Street
SR 916/NW 135/138 Street	Resurfacing and operational improvements	Several segments near I-95 and SR 826
SR 985/NW 107 Avenue	Add lane and rehabilitate pavement and resurfacing	From SW 12 street to Flagler Street and from Killian Parkway to Kendall Drive
SR 90/SW 8 th Street	Resurfacing and operational improvements	Between the Palmetto Expressway and the Turnpike

Bicycle/Pedestrian Corridor Improvements

The bicycle/pedestrian network is a component of the transportation system. The Department generally does not build stand-alone bicycle/pedestrian projects, but rather participates in funding these projects. Most projects are implemented by local agencies which handle the construction and management tasks. Often bicycle/pedestrian projects are funded through the Federal Transportation Enhancement Discretionary Program. Below is a snapshot of projects included in the FY 2011/2012-2015/2016 work program.



Roadway	Project Type	Project Area
Beachwalk Greenway	Bike path/trail	From Lummus Park to Washington Avenue
Miami River Greenway	Bike path/trail	From Miami Avenue to South Miami Avenue
Miami River Greenway 5 th Street Bridge	Bike path/trail	From South River Drive/NW 7 Avenue to NW 7 Street
Miami River Greenway	Bike path/trail	Between I-95 and NW 12 Avenue
Overtown Greenway	Bike path/trail	From NW 3 Avenue to NW 7 Avenue

FDOT, District Six - Primary State Highways and Other Modal Projects

Roadway	Project Type	Project Area
Old Cutler Trail	Bike path/trail	From SW 136 Street/SW 62 Avenue to Cartagena Place
Biscayne Trail	Bike path/trail	From Black Point Park to SW 138 Street and SW 137 Avenue; Along L-31 E Canal from SW 300 Street to SW 328 Street
Middle Recreation Path	Bike path/trail	Along the Dune from 46 Street to 64 Street
SR 823/NW 57 Avenue	Sidewalk enhancements	From NW 202 street/Honey Hill to Turnpike Exit Northside of HEFT
SR 922/NE 123 Street	Sidewalk enhancements	From West of North Bayshore Drive to East of North Bayshore Drive

Public Transportation Projects

Travel options are critical in an area such as Miami-Dade County. The Department works with the MPO, Miami-Dade Transit (MDT), Miami-Dade Aviation Department, the Port of Miami, and the South Florida Regional Transportation Authority to implement multiple projects. A sampling of projects from the work program include:



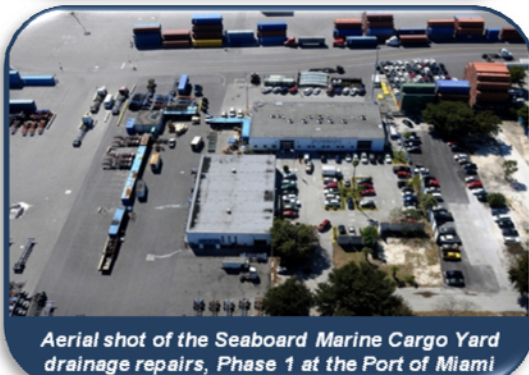
Photo of a Miami-Dade Transit bus



Photo of the MIA People Mover under construction



Photo of railroad crossing signal inspection



Aerial shot of the Seaboard Marine Cargo Yard drainage repairs, Phase 1 at the Port of Miami

Project Type and Project Name

Transit

State Transit Block Grant to MDT used for operating costs

MDT additional elevators at Dadeland North Metrorail Station

MDT Biscayne Boulevard Bus Enhancement

MDT I-95 Express Bus Service from Broward County to Downtown Miami

Aviation

Miami International Airport (MIA) Central Boulevard Improvement

MIA Park Six Garage (1670 spaces)

MIA Runway 8R/26L Resurfacing

MIA Concourse J & H A380 Gate Modifications

MIA Runway 12/30 Rehabilitation

MIA People Mover Transit Connector to the MIC

MIA Intersection improvements at NW 67 Avenue and SR 948/NW 36 Street

MIA Way Finding Signs

Rail

Passenger and Freight Rail Safety Projects

FEC Medley & Downtown Lead Track Improvements

Seaport

Cargo Container Yard Improvements

Dredging South Fisherman's Channel



Fiscal Years 2012 - 2016

Transportation Improvement Program (TIP)

“Moving Miami-Dade”

Miami-Dade Expressway Authority (MDX)

This section of the TIP focuses on mobility improvement projects which the Miami-Dade Expressway Authority (MDX) has programmed over the next five years. MDX is an agency of the state of Florida, created in 1994 pursuant to Chapter 348, Part I, Florida Statutes, for the purposes of and having the power to acquire, hold, construct, improve, maintain, operate, own and lease an expressway system located in Miami-Dade County. The Authority may also fix, alter, change, establish and collect tolls, rates, fees, rentals, and other charges for the services and facilities of such system and is further authorized to issue bonds. MDX is reported as an Independent Special District of the State of Florida and subject to the provisions of Chapter 189, Florida Statutes (Uniform Special District Accountability Act of 1989) and other applicable Florida Statutes.

MDX currently oversees, operates and maintains five tolled expressways constituting approximately 34 centerline-miles and 221 lane-miles of roadway in Miami-Dade County. The five toll facilities include: Dolphin Expressway (SR 836); Airport Expressway (SR 112); Don Shula Expressway (SR 874), Gratigny Parkway (SR 924) and the Snapper Creek Expressway (SR 878). MDX’s Mission is to “*serve as an innovative transportation agency dedicated to the enhancement of mobility in Miami-Dade County*”.

This section provides an overview of the following topics:

- The MDX Five Year Work Program
- The Work Program Cycle
- Programs and Funding
- Existing System Improvement Projects
- System Expansion Projects
- Facility Improvement Projects
- New Toll Expressway Projects

The Miami-Dade Expressway Authority’s Five Year Work Program

The Five-Year Work Program reflects and prioritizes the needs of MDX. As such, changes are made on an annual basis as priorities are re-evaluated, projects are completed, new projects are identified and the financial capabilities of MDX evolve. The Five-Year Work Program is an important tool used by MDX to effectively manage its program of System expansions and improvements. It identifies projects that MDX anticipates funding during the next five years, from project inception through construction.

The Work Program Cycle

In the summer of 2010 MDX began the new cycle to develop the “Tentative” Work Program for Fiscal Years (FY) 2012 - 2016. In December 2010 MDX held a public review meeting in conjunction with FDOT and FTE and posted its tentative program on the MDX website. The final tentative program will be presented to the Operations Committee for endorsement and to the MDX Board for approval and adoption in March 2011 and submitted to the Miami-Dade County Metropolitan Planning Organization (MPO).

Programs and Funding

Program Descriptions

MDX's Transportation Improvement Program includes expansion of, as well as capacity improvements to, the MDX highway system, planning projects geared towards improving mobility in Miami-Dade County and implementation of Intelligent Transportation and Open Road Toll Collection Systems.

Funding Overview

MDX's TIP is funded from toll revenues collected in the MDX System. Funding strategies are based on financial analyses performed during the Five-Year Work Program development process, which includes an annual analysis of availability of funds, monthly project schedules, projected cash draw down requirements updated on a quarterly basis, and ultimately, financial feasibility.

Projects included in the MDX FY 2012 - 2016 TIP are highlighted within the following pages. The projects have been organized by the following categories: Existing System Improvements, System Expansion, Facility Improvements, and New Toll Expressway.

Existing System Improvement Projects

The following projects are categorized as Existing System Improvements in the current Five-Year TIP and include widening or reconstruction within an existing roadway segment:

- **Projects 11209, 83624, 83631, 83632 – SR 112 and SR 836 Infrastructure Modifications for Open Road Tolling (ORT)**

These projects provide for the removal of the existing toll plazas, installation of gantries, shelters and signage, and reconstruction of the SR 112 and the SR 836 roadway to accommodate highway-speed vehicle traffic for the implementation of ORT. The conversion of SR 836 will take place in three phases, the East Section from NW 34th Avenue to I-95, West Section from

NW 137th to NW 87th Avenue and the Central Section from NW 87th Avenue to NW 45th Avenue. The estimated conversion date is FY 2012 for the SR 112 corridor and FY 2014 for the SR 836 corridor pending coordination with FDOT's SR 826 / SR 836 Interchange Improvements.



View of Typical ORT Mainline Gantry

- **Project 11211 – Central Boulevard Reconstruction**

The Central Boulevard is the primary vehicular access roadway connecting the Miami International Airport to SR 836 and SR 112, which are the most heavily traveled roadways on the MDX system and are part of the Florida Strategic Intermodal System. MDX has partnered with Miami-Dade Aviation Department (MDAD) and Florida Department of Transportation (FDOT) to reconstruct Central Boulevard where MDX will act as a 50% local funding partner and grant recipient from FDOT to administer the project on behalf of MDAD. A contract has been awarded to a Design-Build firm and construction is expected to be completed in FY 2013.



Central Blvd. project are looking East

- **Project 83608 – SR 826 / SR 836 Interchange Improvement**

MDX has partnered with FDOT for the right-of-way acquisition, design and construction of the mutually needed SR 826 / SR 836 Interchange Improvement. FDOT let the construction of this project in FY 2010 and completion is expected in FY 2015. MDX has contributed \$11 million towards the final design and will be contributing an additional \$196.5 million towards the construction. This project is of great significance as this interchange is the most congested in Miami-Dade County. This project is an example of MDX working together with its Transportation Partners in the delivery of significant improvements to mobility in Miami-Dade County.



SR 826 / SR 836 Interchange

- **Project 83611 – SR 836 / I-95 / I-395 Interchange**

MDX partnered with FDOT via a Joint Participation Agreement for the development of a PD&E and an Environmental Assessment for the SR 836 project from NW 17th Avenue to I-95, in conjunction with the on-going FDOT I-395 Planning Design & Engineering (“PD&E”) study. Continuing the partnership with FDOT this Work Program includes a 50% match by MDX for the Final Design phase of a total of \$10 million split between FY 2015 and FY 2016.

- **Project 83625 – SR 836 Emergency Ramp**

This project entails the construction of an emergency access ramp from west of NW 107th Avenue extending 0.3 miles westbound to the SR 836 Extension. It provides for emergency vehicle access to the SR 836 Extension and it’s scheduled to be completed in FY 2012.

- **Project 83627 - SR 836 Express Bus Service Study**

This project entails the evaluation of initiatives to support transit service on MDX’s facilities, including the Buses on Shoulder program and the assessment of a sustainable express bus service along the SR 836 corridor to improve mobility and link key destinations such as FIU, the Miami International Airport, Miami Intermodal Center, Downtown Miami and Miami Beach. The study

includes the identification of potential park-and-ride lots at selected locations in coordination with Miami-Dade Transit (MDT) and the impact of Transit Oriented Developments (TOD). The purpose of the project is to identify options to increase ridership, thus resulting in less congested roads as well as safer and more reliable trips.

- **Project 83628 – SR 836 Auxiliary Lanes and Interchange Improvements**

The current work program provides funding for the project development of a SR 836 Eastbound Auxiliary lane from 42nd Avenue to 27th Avenue; SR 836 westbound additional lanes from 27th Avenue to 57th Avenue as well as improvements to the SR 836 / LeJeune Interchange and the SR 836 / 27th Avenue Interchange. This will provide continuity to the auxiliary lanes that currently merge back into mainline traffic and improve operations in the existing interchanges. The preliminary engineering analysis is underway.

- **Project 83629 – SR 836 Interchange Modifications at 87th Avenue**

The current work program provides funding for the project development and final design of the reconstruction of the SR 836 Mainline and NW 87th Avenue interchange to 500 feet west of NW 82nd Avenue. The preliminary engineering is underway and final design is anticipated to begin in early FY 2012 and last for a period of 2 years. This improvement ties into MDX completed Project No. 83614 on the west and FDOT's SR 826 / SR 836 Interchange Improvements on the East and enhances operations on the SR 836 corridor.

- **Project 83630 – SR 836 / NW 14th Street Interchange Improvements**

This project provides a dedicated right-turn lane at NW 14th Street to northbound 10th Avenue. This improvement will allow emergency vehicles a more direct and safer path to the Ryder Trauma Center and other healthcare facilities in the area, as well as the reduction of traffic delays at this intersection, which tend to cause backups onto the SR 836 mainline. This project will be constructed in partnership with the University of Miami (UM) where UM will be conveying to MDX the right-of-way adjacent to the existing NW 14th Street ramp to allow for the expedited and most cost-effective completion of this project. Construction is anticipated to be completed in FY 2012.

- **Project 87404 – SR 874 / Killian Parkway Interchange**

The modification of the Killian Parkway Interchange, widening of the mainline from 4 to 6 lanes and removal of the existing toll plaza to facilitate ORT on SR 874 is under construction and on-track to be completed in FY 2012. This project significantly reduces the congestion and delays at the Killian Parkway interchange with SW 107th Avenue by splitting the movements from Southbound SR 874 to westbound Killian Parkway, and southbound SR 874 to northbound SW 107th Avenue. MDX has held a series of public meetings with the affected community to present project alternatives, receive their input and to keep them informed of any changes in upcoming activities. Through this process, MDX has coordinated the provision and location of noise abatement walls within the project limits.



SR 874 Widening & Noise Walls

- **Project 87409 – SR 874 Mainline Reconstruction**

Anticipated future traffic increase in this area of SR 874 resulted in MDX incorporating this project into its Five-Year Work Program. The project provides for widening from 4 to 6 lanes and resurfacing of the SR 874 mainline from Kendall Drive to SR 826 and will significantly enhance the capacity of the SR 874 corridor to tie into the adjacent FDOT SR 826 / Bird Road Interchange improvement project (see Project No. 87411 below) to the north, scheduled to be completed by FDOT in FY 2013. This project also ties in to MDX Project No. 87404 on the South. The 87409 project is a Design-Build project and will begin construction by early FY 2012.

- **Project 87802 – SR 878 / US 1 Interchange Improvements**

This project provides for the concept development of operational improvements at the intersection of SR 878 and US 1 pending results of feasibility study.

System Expansion Projects

- **Project 11205 – Interconnector from MIA to the Airport Expressway (SR 112)**

This project includes the identification of improvements to LeJeune Road (SR953), the Airport Expressway (SR 112) and the Airport Expressway (SR 112) interchange with US Route 27 and NW 36th Street (SR 948). The scope includes the development of a master plan for the future direct connection between the East-West Expressway (SR 836) and the Airport Expressway (SR 112) and final design plans completed in FY 2008 for improvements to adjacent collector-distributor roads to be constructed by FDOT. All identified right-of-way has been acquired from willing sellers between NW 25th Street and Airport Expressway (SR 112)/NW 27th Avenue in coordination with Miami-Dade Transit (MDT). MDX continues to coordinate with MDT and FDOT to ensure that the envelop for the ultimate SR 112 Interconnector is preserved until such time as MDX can fund its construction.

- **Project 83618 – SR 836 Southwest Extension**

MDX is evaluating the feasibility for a new 15 mile expressway extension of SR 836 from NW 137th Avenue to SW 136th Street as part of the MDX Master Plan and the Metropolitan Planning Organization's (MPO) Long-Range Transportation Plan. The PD&E Study is anticipated to begin in FY 2012.

- **Project 87410 – SR 874 Ramp Connector**

The PD&E Study is underway to provide a new 1.2 mile ramp connection from SR 874 to SW 136th Street as part of the MDX Master Plan and the Metropolitan Planning Organization's (MPO) Long-Range Transportation Plan and scheduled to be completed in FY 2012.

- **Project 92404 -SR 924 Extension West to the Homestead Extension of the Florida's Turnpike**

The PD&E Study is underway for a new 2.3 mile expressway extension of SR 924 to Florida's Turnpike in the vicinity of Okeechobee Road as part of the MDX Master Plan and the Metropolitan Planning Organization's (MPO) Long-Range Transportation Plan and is scheduled to be completed in FY 2012. This project also includes the construction of improvements on 138th Street as well as transfer of a portion of the existing right-of-way required for MDX Project No. 92404 to MDX.

- **Project 92407 – SR 924 Extension East to I-95**

The PD&E Study is underway for a new 3.1 mile expressway extension of SR 924 east to I-95 as part of the MDX Master Plan and the Metropolitan Planning Organization's (MPO) Long-Range Transportation Plan and is scheduled to be completed in early FY 2013.

Facility Improvement Projects

The following projects are categorized as Facility Improvements in the current Five-Year TIP and designate all non-routine maintenance and minor roadway and toll plaza, toll and Intelligent Transportation System (ITS) projects throughout the system:

- **Project 10013, 10014, 10015, 10016, 10017, 10018 – SR 878, SR 874, SR 112, SR 836 Hardware/Software Development for Full ORT Toll System Conversion**

A single contract has been awarded to a System Integrator (ETCC) for the implementation of the In-lane & Host System and Account Management Traffic Enforcement System (AMTES) for the full conversion to ORT system-wide. The SR 924 corridor was converted in late FY 2010, the SR 874 and SR 878 corridors in early FY 2011, minor coordination will continue until early FY 2012. The SR 112 is anticipated to be converted in FY 2012 and SR 836 by FY 2014 pending coordination with FDOT's SR 826 / SR 836 Interchange Improvements.

- **Project 10019 – Systemwide Implementation of Dynamic Message Signs (DMS)**

As of FY 2010 MDX will have completed its implementation of Intelligent Transportation System (ITS) which includes communications systems, incident management and traffic surveillance equipment for SR 112, SR 924, SR 874 and SR 878 which is all linked to the SunGuide Transportation Management Center to help traffic operations on the MDX system. This project provides for the installation of Dynamic Message Signs Systemwide that will display live traffic condition information collected by the MDX ITS surveillance system thus improving operations throughout the MDX System. Implementation of this project is anticipated to be completed by FY 2013.



Typical Dynamic Message Sign (DMS)

- **Project 10021 – Systemwide ITS Improvements**

This project provides for concept development for ITS improvements as identified in the updated MDX ITS Master Plan intended to maximize the existing roadway system through the use of technology.

New Toll Expressways

The following projects are categorized as New Toll Expressways in the Five-Year TIP and include construction of new alignments of designated State Roads that will be added to the system:

- **Project 20001 – Connect 4 Xpress**

This project provides for a new 9.7 mile expressway connecting SR 112, SR 836, SR 924 and SR 826, the Palmetto Expressway, including system interchanges with SR 112 and SR 924 and potential service interchanges with NW 54th Street, NW 79th Street and NW 103rd Street with connectors to NW 37th Avenue. A PD&E Study is anticipated to begin in FY 2012. The project's PD&E phase is in the MDX Master Plan and the MPO LRTP.

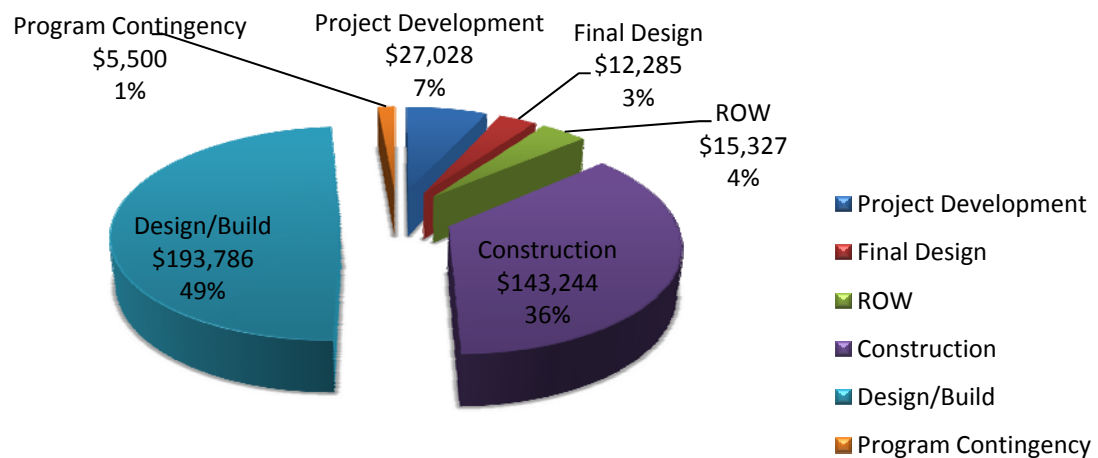
- **Project 20003 – U.S. 1 Express Lanes**

This project includes funding for the preparation of a PD&E Study to convert the existing Busway along U.S. 1 into a Managed Lane facility by constructing grade separations at key cross roads thus eliminating the need for traffic to stop at main intersections. This project is part of the MDX Master Plan and the MPO Long Range Transportation Plan. It is anticipated that the PD&E will begin in FY 2011 and will evaluate a 20 mile segment from SW 344 Street to SW 88th Street.

- **Project 20004 – MIC – Dadeland Busway**

This project includes funding for the preparation of a study to evaluate the feasibility of running bus service from the Miami Intermodal Center (MIC) to Dadeland along an existing FEC ROW.

MDX Budget Breakdown by Work Program Phase
Five Year Work Program
Fiscal Years 2012 - 2016



Total Budget
\$397.2 million



Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program (TIP)

Florida's Turnpike Enterprise

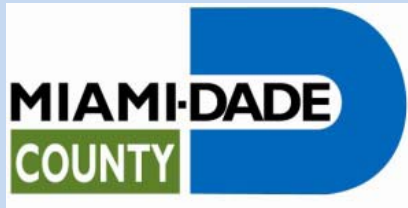
Florida's Turnpike Enterprise is an agency of the Florida Department of Transportation, overseeing a 460 mile system of limited – access toll highways. The Turnpike Mainline extends from north Miami to a junction with Interstate 75 in north central Florida. It passes through the counties of Miami-Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River, Okeechobee, Osceola, Orange, Lake and Sumter. The Turnpike System includes the 47 mile Homestead Extension (HEFT) in Miami-Dade and Broward Counties; among other facilities statewide.

Florida's Turnpike is a user-financed facility that uses toll revenues, sale of services (Service Plazas), and bonds to pay for new construction and maintenance of the entire system. The Turnpike does not receive any gas taxes.

Miami-Dade County Turnpike Planned Projects

- Addition of auxiliary lanes between NW 74th Street and NW 106th Street Interchanges
- Addition of auxiliary lanes between Kendall Drive and Bird Road Interchanges
- Traffic signal installation at SW 211th Street and NB HEFT Frontage Road
- Interchange improvements at the following locations:
 - SW 8th Street Interchange
 - Bird Road Interchange
 - Kendall Drive
- Interchange ramp intersection turn lane improvements at the following locations:
 - Coral Reef Drive/SW 117th Avenue Interchange
 - NW 12th Street Interchange
- Project Development and Environment Study to widen Homestead Extension from U.S. 1 (MP 0) to U.S. 1 (MP 13)
- Project Development and Environment Study to widen Turnpike Mainline from Golden Glades/I-95 to Homestead Extension (MP 0X – 4X) and Homestead Extension from NW 27th Avenue to Turnpike Mainline (MP 47)
- ROW phase for project to Widen Homestead Extension from Eureka Drive to Kendall Drive





Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program (TIP)

Secondary Road Program – Secondary Gas Tax

Miami-Dade County Public Works Department

The program is divided into two distinct categories. The first section includes all new road construction or rehabilitation projects and the second section deals with the continuing projects that have fund allocations yearly.

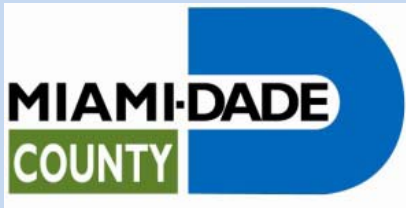
Road Construction Projects

- SW 147 Avenue from SW 22 Terrace to SW 10 Street
- N 95 Street from East of I-95 (NW 6 Avenue) to NE 2 Avenue
- NE 16 Avenue from NE 123 Street to NE 135 Street
- NW 138 Street from NW 107 Avenue to I-75
- NW 72 Avenue from NW 74 Street to Okeechobee Road

Continuing Program Projects

Bridge Repair and Painting	Beautification Improvements
Guardrail Safety Improvements	Pavement Markings Contract
Railroad Improvements	Maintenance of Roads and Bridges
Safety Lighting	Street Lighting Maintenance
Traffic Control Devices (Equipment & Materials)	Traffic Signal Loop Repairs
Special Taxing District	Local Grant Match for MPO
Pavement Markings Crew	Mast Arm Upgrades
Traffic Signal Materials	Capitalization of Traffic Signals and Signs Crew
Road and Bridge Emergency Bridge Repairs/Improvements/Painting	ADA Hotline Projects





Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program (TIP)

Road Impact Fee

Miami-Dade County Public Works Department

On December 6, 1988, the Board of County Commissioners adopted Dade County Road Impact Fee Ordinance No. 88-112, which provides for the fair share assessment of road impact fees on new building construction in Miami-Dade County, including municipalities. The County has been divided into nine road impact fee benefit districts. Fees collected within each district will be expended for roadway capacity improvements within each district.

Each district program includes four improvement categories: Road and Bridge Projects, Resurfacing, Traffic Operations Projects to Increase Capacity and Safety (T.O.P.I.C.S.), and Traffic Control Devices.

ROAD AND BRIDGE PROJECTS

Capacity improvements along arterials and collectors

CONTINUING PROGRAM PROJECTS

Resurfacing

Paving, widening, drainage, striping



***T.O.P.I.C.S.* (Traffic Operations Projects to Increase Capacity and Safety)**

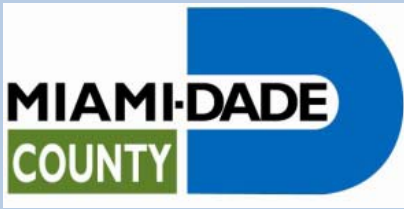
Intersection Improvements



Traffic Control Devices

Signalization





Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program

Three Cents Local Option Gas Tax

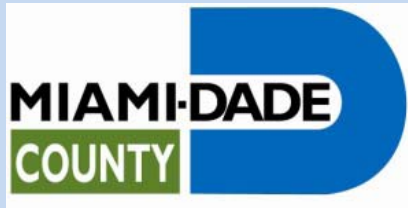
Introduction

The Capital Improvement Local Option Fuel Tax, authorized by Section 336.025 (1) (B), Florida Statutes became effective January 1, 1994. It was reduced from five cents to three cents on September 1, 1996. In accordance with state statute, proceeds of this tax have been programmed for transportation expenditures needed to meet the requirements of the capital improvement element of the adopted comprehensive plan.

FY 2010-11 Projected Municipal Distribution

The actual distribution to the municipalities for FY 2010-11 will be based on a weighted formula which accounts for percentage of population (from the Florida Estimates of Population, April 1, 2009 – Bureau of Economic and Business Research, University of Florida) and the centerline mileage of municipal roadway for each incorporated area (from the “2009 City/County Mileage Report” – Florida Department of Transportation prepared in the Spring of 2010) with data reported as of September 30, 2009. The figures contained herein were calculated using these same reports. This estimate for FY 2010-11 will be sent to the municipalities at the time the County files its official estimate with the Florida Department of Revenue in June 2010.

In FY 2010-11, the estimated net revenue for the Capital Improvement Local Option Fuel Tax projected as of May 1, 2010 was \$25.146 million at 95 percent with \$6.538 million to be distributed to the municipalities and \$18.608 million to be distributed to the County (26 percent to the municipalities and 74 percent to the County according to the current interlocal agreement). The State of Florida is allowed to impose a 7.3 percent administrative fee. The FY 2010-11 estimate reflects little to no growth from the current year in fuel tax revenues after three years of decline resulting from lower fuel consumption due to volatile fuel prices and the national economic downturn.



Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program (TIP)

People's Transportation Plan (PTP)

Miami-Dade County Public Works Department

On the November 5, 2002 ballot, voters approved the People's Transportation Plan (PTP), which provides for a half percent sales surtax to fund major transportation improvements.

The Citizens' Independent Transportation Trust (CITT), a group of citizens who function as an independent decision-making body, was created to oversee the construction and management of the PTP's 25-year, \$17 billion transportation plan. The Public Works Department (PWD) has worked closely with the CITT to provide a wide range of roadway and neighborhood improvements.

The PWD PTP Work Program for FY 2012 totals over \$80 Million. The plan includes the two categories from the PTP Ordinance that relate to the PWD; major highway road improvements and neighborhood improvement projects.

Major Highway Road Improvement Projects

Major road and bridge projects under construction or will begin construction include, but are not limited to:

- NW 37 Avenue from North River Drive to NW 79 Street
- NE 2 Avenue from NE 43 Street to NE 62 Street
- SW 62 Avenue from SW 24 Street to NW 7 Street
- SW 62 Avenue from SW 70 Street to SW 64 Street
- SW 27 Avenue from US1 to Bayshore Drive
- SW 137 Avenue from H.E.F.T. to US1
- SW 137 Avenue from US1 to SW 184 Street
- Old Cutler Road from SW 97 Avenue to SW 87 Avenue
- NW 87 Avenue from NW 154 Street to NW 186 Street
- NW 138 Street Bridge over Miami River Canal
- NW 74 Street from H.E.F.T to State Road 826



Major Countywide Highway Road Improvement Projects

ATMS - Advanced Traffic Management System

Neighborhood Improvement Projects

The PWD, as part of the PTP, has been tasked with coordinating and constructing various categories of Neighborhood Improvement Projects.

To address the various non-site specific categories discussed in the PTP Ordinance the Department created “The Neighborhood Improvement Projects Formula” to allocate funds. The formula takes into account population in the Unincorporated Municipal Service Area for each commission district, the needs as reported to the Department, the percentage of maintained arterial and collector lane miles, and a portion is evenly distributed to each district. PTP Neighborhood Improvements include modifications of intersections; resurfacing of local and arterial roads; installation / repairs of guardrails; installation of school flashing signals, enhancement of greenways and bikeways, A.D.A. curb cuts / repairs, pavement markings, roadway lighting, traffic calming, traffic signals, and traffic sign replacement / repair. Such improvements also include replacement / repair of sidewalks, repair / installation of drainage and landscape beautification (including community image enhancements) related to the development, construction, operation or maintenance of roads and bridges in the County or to the expansion, operation or maintenance of bus and fixed guideway system.

The Neighborhood Improvement Projects include:

- Site Specific Neighborhood Improvement Sites
- Non-Site Specific Neighborhood Improvement Sites
- Countywide Neighborhood Improvements
- School Flashing Signals Program



Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program (TIP)

Private Sector Improvements

Miami-Dade County Public Works Department is in charge of the Private Sector Improvements Program which addresses road improvement commitments to be made by private developers during the regional and local development approval process.

The improvements listed are necessary to help mitigate traffic impacts of specific large development projects such as Developments of Regional Impact (DRI) and other zoning requests reviewed by the Miami-Dade County Development Impact Committee (DIC) and approved by the Community Zoning Appeals Board (CZAB) or the Board of County Commissioners (BCC). These road improvement commitments are contained in County Commission zoning resolutions and/or documents proffered by development interests to the Commission. In some cases, especially DRI development orders, sketch drawings of the improvements are attached to these legal documents. The last column of the table in this section contains either the Commission Resolution Number or the official record book/page number associated with each improvement, which is necessary to obtain copies of the associated legal document from official County records or the Miami-Dade County Department of Planning and Zoning.

Unlike other parts of the TIP, the construction of improvements in this section are normally not linked to specific dates, but instead, are usually dependent upon the construction schedule of a specific development project, which can vary considerably according to the market and other conditions.

This section addresses road improvement commitments to be made by private developers as part of the land development process.



Fiscal Years 2011/2012 - 2015/2016



Transportation Improvement Program

Airport Development Improvements

Miami-Dade County Aviation Department

The Miami-Dade County Transportation Improvement Program includes capital improvements for the Aviation Department for the continued development of Miami International Airport and the General Aviation Administration Airports (GAA - OPF, TMB, X51 & TNT). The funding for this program is primarily from revenue generated by the Aviation Department and from Federal and State grants. Major projects at Miami-Dade County's airports include phases of the following:



	Dollars in Million (Funded)	
MIA - Mover DBOM	\$	278.20
MIA - Construction of Park 6 Structural Garage	\$	63.30
MIA - E-Satellite System Automatic People Mover APM System	\$	63.00
MIA - Central Terminal Near Terminal Improvements	\$	41.50
MIA - Runway 8R/26L Runway Rehabilitation - Taxiway N Pavement Lighting	\$	36.60
MIA - Pavement Rehabilitation and Overlay of Runway 12/30 & Taxiways P & Q	\$	32.00
MIA - Perimeter Road Widening & Realignment	\$	24.00
MIA - Concourse E and E Satellite Improvements	\$	21.00
MIA - Wayfinding and Signage Master Plan Implementation	\$	17.00
MIA - A380 Gates Modifications	\$	14.80
MIA - Concourse D East Roof Rehabilitation (Reroofing) Project	\$	8.00
MIA - 67 th Avenue ROW and Improvement	\$	7.90
MIA - Additional Air Cargo Apron in the Westside Cargo Area	\$	7.00
MIA - Foreign Object Debris (FOD) Detection System	\$	5.00
OPF - Rehabilitation Runway 9L-27R Taxiways & Aprons	\$	6.30
TOTAL:	\$	625.60



Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program (TIP)

Multimodal Seaport Development

The Dante B. Fascell Port Of Miami-Dade (“Port Of Miami”)

TRANSPORTATION IMPROVEMENT PROGRAM STRATEGY

The Transportation Improvement Program (TIP) for the Port of Miami, known as the Cruise Capital of the World and the Cargo Gateway of the Americas, is comprised of a total of \$3.2 billion in funded projects over the next five years. The Seaport Department’s TIP for Fiscal Years 2012-2016 reflects the Port’s in-progress strategy of optimizing land use and enhancing throughput capacity to meet the demands of the cargo and cruise industries.

As part of the Capital Development Program, the Port of Miami is dedicated to continue to meet industry demands by supporting the following Capital Improvement Projects:

- Miami Harbor Phase III Dredge
- Port of Miami Tunnel
- Intermodal and Rail Reconnections
- Cargo Container Yards
- Cruise Terminals and Parking
- Gantry Cranes
- Seaport Security



The Port continues to aggressively seek grant funding from local, state and federal sources. This year’s TIP reflects support from Department of Transportation (DOT), Maritime Administration (MARAD) with \$22.7 million in Tiger II Discretionary grant funds for the support of the Intermodal and Rail Reconnection project. The Florida Department of Transportation (FDOT) continues to support POM infrastructure projects with \$35.6 million over next five years for the Miami Harbor Phase III project. The U.S. Department of Homeland Security provides support for security projects under the Port Security Grant Programs. These agencies and the Port’s partners continue to be part of the established goals to support the program.

Miami Harbor Phase III Dredge

The Port of Miami obtained Congressional Authorization through the Water Resources Development Act of 2007 for Phase III of the Miami Harbor Dredging project. At -50’ feet, the port will be able to double its cargo capacity and accommodate the Post Panamax ships being built.

Port of Miami Tunnel

This project, led by FDOT and supported by the City of Miami and the Port, will directly connect POM to I-395. The tunnel will alleviate congestion by diverting a significant portion of traffic from

Port of Miami – Multimodal Seaport Development

downtown streets, since the Port's only current access/egress is through the Port Boulevard Bridge which intersects downtown.

Intermodal and Rail Reconnection

This project, led by the POM, has three components. 1) The rehabilitation of the Rail Road Bascule Bridge which connects the Port of Miami to the mainland. 2) The construction of additional on-port rail lines and gantry system. 3) The construction of an on-port Intermodal Apron.

Cargo Container Yards

As part of its contracts with the cargo terminal operators, the Port is committed to improving drainage and pavement in the terminals as well as constructing two new seawalls over the next several years.

Cruise Terminals and Parking

Cruise terminal improvements are preparing the Port for larger cruise ships. These projects include upgrading existing terminals D&E and F&G.

Gantry Cranes

The Port currently has twelve rail mounted gantry cranes and intends to increase efficiency by purchasing an additional four cranes, for a total of sixteen. To prepare for the additional cranes, the Port must upgrade the crane rails by strengthening the foundation and constructing tie downs and stow pins.

Seaport Security

Security continues to be an item of national significance; therefore the Port of Miami operates under the Title 33 Code of Federal Regulations (CFR) Part 105 and receives support from the Department of Homeland Security (DHS) to fund security projects eligible under the Port Security Grants Program (PSGP).





Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program

Public Transportation Improvements

Miami-Dade Transit

Specific Aspects Of The Program

The FY 2011 Transportation Improvement Program includes funding over the next five years for the following projects:

Urban Corridor Development: State Transit Corridor Program funds will be used for the continuation of several successful South Miami-Dade Busway routes as well as the Flagler MAX route, Busway Max, and I-95 Dade-Broward Express route.



Metromover glides through downtown Miami

Routine Replacement and enhancement

Metrorail Replacement: Based on the final negotiated price to rehabilitate the existing 136 rail car fleet, current operating and market conditions, and the results of life cycle cost analyses of new versus rehab, the County has determined that the procurement of new rail cars in lieu of rehabilitation would present a best value procurement option for the County at this time. The Board of County Commissioners (Board) and Citizens' Independent Transportation Trust (CITT) approved the \$401 million procurement of 136 new Metrorail vehicles featuring more comfortable interiors and a self-diagnostic system to address mechanical issues before they result in failures. The Request for Proposals (RFP No. 654) was issued March 31, 2009. Car manufacturers Alstom, Breda, and CAF submitted proposals on September 25, 2009. The MDT Project Team completed evaluation of the proposals and negotiations with the 2 responsive proposers. The Department of Procurement Management has completed its Responsibility Reviews and the County Manager's memorandum to recommend award to the selected car builder is currently being finalized. Notice to

Proceed is scheduled for mid 2011 with delivery of the vehicles scheduled to begin in the last quarter of 2013.

Metromover Replacement: MDT awarded a contract on January 24, 2006 to Bombardier Transportation for the purchase of 29 Mover vehicles. The first part of the contract was to replace the existing Metromover Phase I vehicles. All 12 Phase I replacement vehicles have been delivered, tested and commissioned to revenue service. The warranty period for the 12 Phase I replacement vehicles expired in March 2010.

On May 6, 2008, the Board of County commissioners (Board) approved the County Manager's recommendation to purchase the optional Phase II 17 new Metromover replacement vehicles that were included in the contract with Bombardier. The CITT forwarded a favorable recommendation on this amendment during its March 26, 2008 meeting. Notice to Proceed for the 17 Phase II vehicle option was issued effective July 17, 2008. Four of the 17 Phase II vehicles ordered have been received by MDT and delivery of the remaining 13 is expected be completed by August 2011.

Automated Fare Collection: This project will essentially be completed in FY2012 pending the installation of the fare panel.

Buses: Miami Dade Transit (MDT) continues its bus replacement program. MDT will be replacing forty-three buses this calendar year. Funding for this program is provided through various sources including the People's Transportation Plan (PTP), Florida Department of Transportation (FDOT) and Federal funding sources. MDT obtained delivery of thirteen 40-foot diesel-electric hybrid buses for fleet replacement in August 2010. These buses were put into service in the fall of 2010. In addition, twenty-five 60-foot diesel-electric hybrid buses are currently in service – sixteen are being used on the inter-county I-95 Dade-Broward Express bus route and nine on the Kendall Cruiser bus route. These twenty-five buses were put into service in the summer of 2010. MDT is also in pre-production meetings for the manufacture of five 40 foot diesel-electric hybrids which began delivery in late 2010, and will be in service by April 2011.



Metrobus Operator



Transit riders about to board the Metrorail

Safety and Security: Funding is programmed to purchase security equipment to continue upgrades and installations of closed circuit camera television systems (CCTV) and its respective software components, and to continue the replacement of fire detection and reporting systems. MDT's commitment to the safety and security of the MDT system, patrons, and employees are the highest of priorities. Therefore, staff has completed the installation of digital monitoring equipment at several key locations throughout MDT. In an effort to further complement its existing security infrastructure, MDT continues to aggressively add state-of-the-art technology to both reduce crime and to aid law enforcement in proactively securing and safeguarding the system. FDOT Rule 14-15.017(2.2.1), however, prevents us from disclosing these improvements/installations in greater detail

Park & Ride Sites

Miami-Dade Transit (MDT) continues to plan and construct additional park and ride facilities designed to address parking demand from transit patrons throughout Miami-Dade County.

Serving the South Miami-Dade Busway:



Metrobus with FREE WiFi for Transit customers



Brickell Metrorail station in downtown Miami

New facilities along the Busway include:

SW 344 Street: MDT is planning to build a 266 space parking lot with bus bays and shelters, located west of the southern end of the Busway between NW 2nd Avenue and NW 3rd Avenue at 344th Street (Palm Drive), in Florida City. This has an anticipated opening in the summer of 2013.

Quail Roost Drive: MDT is pursuing the purchase of approximately 3.5 acres of vacant property adjacent to the Busway (located between SW 184 Street and SW 186 Street) on which a park and ride lot would be constructed. It is estimated that the lot would have up to 350 parking spaces and six kiss and ride spaces. The facility will include fencing, landscaping, lighting and a canopy for waiting passengers.

Serving other bus routes:

SW 127th Avenue / Kendall Drive: MDT is planning to construct a park and ride lot on approximately 2.8 acres at the southeast corner of SW 88th Street (Kendall Drive) and SW 127 Avenue with about 180 spaces. This park and ride will serve the Kendall Cruiser which began service in June 2010.

Douglas Road Metrorail Station: MDT is planning to repair and restore the park and ride lot under the Metrorail guideway located just south of the Douglas Road Station. Procurement of the construction contractor for this lot, with approximately 50 spaces, is anticipated to start June 2011.

Other Transit Facilities

Northeast Passenger Activities Center (NEPAC)

The proposed NEPAC is anticipated to be an enhanced bus hub that will connect circular, regional, and premium bus routes within the area. This transit center would have replaced and / or supplemented the existing bus terminal located near the Mall at 163 Street. There are currently 15 bus routes that serve the existing bus terminal at the Mall at 163 Street. However, after failed attempts to reach an agreement with the City of North Miami Beach on a final site selection, MDT is no longer able to move forward with this project as originally defined.

MDT is now moving forward with making improvements to two existing transit hubs – the Mall at 163rd Street and the Aventura Mall. Both facilities are located in the northeast part of the County and are major destinations with important bus connections. The new project is now called the “Northeast Transit Hub Enhancement” project.

7th Avenue Transit Village (NW 7th Avenue / NW 62 Street)

This proposed Miami-Dade Transit joint development project is expected to provide space for an enhanced transit facility within the context of an active, mixed-use development including space for housing, community-serving activities and functions in addition to retail use. This project was advertised in September 2010. Developer selection and ground lease is scheduled for Board approval in March 2011.

Pedestrian Overpass at University Metrorail Station

This project encompasses the construction of a Pedestrian Overpass over US-1/South Dixie Highway at Mariposa Court, at the University Metrorail Station. This overpass is a low profile pedestrian bridge structure comprised of two vertical circulation towers providing access/egress to the pedestrian bridge that spans across US-1/South Dixie Highway. One tower is located at the southwest corner of Mariposa Court, directly across from the University Metrorail Station. The other tower is located to the west of US-1/South Dixie Highway between the Metrorail guideway and US-1/South Dixie Highway. The project is expected to be completed by December 2013.

Rapid Transit Corridor Development

AirportLink Metrorail Extension Project (f/k/a Miami Intermodal Center (MIC) - Earlington Heights Connector):



South to north view of main canopy of AirportLink

Miami-Dade County broke ground on a 2.4-mile extension of Metrorail that will extend from the existing Earlington Heights Station at 2100 NW 41 Street along State Road 112 to the Miami Intermodal Center (MIC), the county's future central transportation hub under construction next to the Miami International Airport (MIA). This Miami-Dade Transit project includes a multilevel station at the MIC featuring landscaping, an entry plaza and other passenger amenities. The MIC will serve as a central transfer point for Metrorail, Metrobus, Tri-Rail, Amtrak, Greyhound, tour buses, taxi cabs, and rental cars. An automated people mover will connect the MIC to the MIA. This project will provide residents and visitors with direct Metrorail access to MIA. With this project, Miami-Dade County joins the ranks of major metropolitan areas around the world with rapid transit connections to their airports. Estimated project cost is \$506 million, with scheduled completion date of spring 2012.

Incremental Improvements

North Corridor (NW 27th Avenue Enhanced Bus)

MDT is currently pursuing incremental improvements along this corridor by providing approximately 13 miles of enhanced bus service from the Miami Intermodal Center (MIC) at the Miami International Airport to NW 215th Street. This enhanced bus project will feature specially-branded hybrid buses as well as strategic park and ride locations. The land at NW 215th Street has been purchased. This project is in the planning phase and is expected to start revenue service in 2016.

East-West Corridor (SR 836 Express Enhanced Bus)

MDT is currently pursuing incremental improvements along this corridor by providing approximately 13 miles of enhanced bus service from SW 8th Street /SW 147th Avenue to the Miami Intermodal Center (MIC) at the Miami International Airport. This enhanced bus project will feature specially-branded hybrid buses as well as strategic park and ride locations. This project is in the planning phase and is expected to start revenue service in 2016.



Fiscal Years 2011/2012 - 2015/2016

Transportation Improvement Program

Public Transportation Improvements

South Florida Regional Transportation Authority

The South Florida Regional Transportation Authority's (SFRTA) mission is to provide greater mobility in South Florida, thus improving the economic viability and the quality of the Community, Region and State. SFRTA operates the Tri-Rail Commuter Rail System. SFRTA, per its legislation, is charged with the responsibility of having the overall authority to coordinate, develop and operate a regional transportation system within the area served. The following projects are included in SFRTA's Capital Budget and Five Year Plan in the Fiscal Year 2012 thru 2016 period.



Tri-Rail Station And Parking Lot Improvements

SFRTA's Planning Department completed a Tri-Rail Parking and Circulation Study in April, 2007. The study, which was updated in 2008, evaluated parking facilities and various other passenger amenities (i.e. bike racks, signage, trash receptacles and benches, etc.) at all Tri-Rail stations. As a result of the study, recommended parking, access and miscellaneous improvements and upgrades to various Tri-Rail stations are programmed for implementation in the next five years including Opa-Locka and Golden Glades.

Tri-Rail/Metrorail 79th Street Station Improvements

As part of the Segment 5 Double Tracking Project, a new northbound station platform was added at the 79th Street Tri-Rail/Metrorail Station. In order to facilitate vertical and horizontal traffic movement between the two major modes of transit (Tri-Rail and Metrorail), SFRTA will construct a new East Connection to accommodate the new East (i.e., northbound) platform. Funds are programmed in current year and next two fiscal years for the construction phase of these improvements.

Ticket Vending Machines With Smart Card Technology

SFRTA is implementing universal fare card technology, usually referred to as smart card, to enhance the efficiency of intermodal transfers throughout south Florida. SFRTA has programmed capital funds for the procurement and implementation of a new generation of Ticket Vending Machines with Smart Card Technology to provide a seamless regional transportation system.

Planning And Capital Development

SFRTA's short and long term planning efforts and activities conducted by the Planning Department are included in this line item. This item facilitates the performance of planning and capital development studies and projects such as the Transit Development Plan (TDP), the development of a station-area Transit Oriented Development (TOD) plan for 18 Tri-Rail stations, and other studies and plans.



General Engineering Consultants

This budget item provides funding for the hiring of General Engineering Consultants. All contracts will be work-order based. Design work in support of parking and station improvements is underway.

Operation Department Projects

Included as part of SFRTA's budget line item for operational support projects, are miscellaneous improvements at the Hialeah Yard such as carwash and rewiring of the mechanical shop.

Rolling Stock Overhaul / Spare Parts

Rolling stock is one of SFRTA's major capital investments and must be well maintained to maximize its service life. SFRTA's capital budget includes a line item that funds the overhaul and rehabilitation of rail equipment, the purchase of spare components, painting of rail equipment, and other train related maintenance items



Capital Improvement Projects

Capital improvement projects include funds for laying down additional storage tracks rail at the Hialeah Yard to store new rail equipment overnight, the purchase backup generators for stations, an elevator monitoring system, office and telecommunication equipment for SFRTA's Customer Service Center, replacement of the On-Board GPS System, leasehold improvements and the purchase of new and replacement vehicles for SFRTA's fleet.

Rolling Stock

Purchase of additional trains will allow SFRTA to continue to run twenty-minute service headways during rush hour, which is a requirement of the Full Funding Grant Agreement (FFGA) between SFRTA and the Federal Transit Administration (FTA). As part of its capital improvement program, SFRTA is planning to purchase new rolling stock including 14 rail cars (10 cab cars and 4 coaches) during the next fiscal years. Additionally, Stimulus funds are also being used to purchase new locomotives.

Preventive Maintenance

The projects under this line item include preventive maintenance expenses incurred by SFRTA, which are allowable expenditures of capital funds under FTA guidelines. Capitalized preventive maintenance costs include such items as rolling stock maintenance, station maintenance and ticket vending machine maintenance.

Appendix A
Completed Highway Project Listings

Completed Projects

Completed Projects in 2010 Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Completion Date
1	SR 25/NW 36 STREET RAILROAD SIGNAL	41643725201	AT CROSSING # 628377P	RAILROAD SIGNAL	January-10
2	(ADA) STRUCTRE RELOC DRAINAGE IMPROVEMENTS	41807855201	BISC.PK,MIA.SHORES,N.MIA, N.MIA.BCH,SRFSDE,GLDN.BCH	DRAINAGE IMPROVEMENTS	January-10
3	(ADA) STRUCTRE RELOC DRAINAGE IMPROVEMENTS	41807865201	CORAL GABLES, W.MIAMI, S.MIAMI, PINECRST,FL.CITY	DRAINAGE IMPROVEMENTS	January-10
4	(ADA) STRUCTRE RELOC DRAINAGE IMPROVEMENTS	41807875201	HIALEAH, HIALEAH GARDENS, MEDLEY, OPA-LOCKA	DRAINAGE IMPROVEMENTS	January-10
5	(ADA) STRUCTRE RELOC DRAINAGE IMPROVEMENTS	41807885201	MIAMI BCH, MIAMI SPRINGS, MIAMI, VIRGINIA GARDENS	DRAINAGE IMPROVEMENTS	January-10
6	SR 907/ALTON RD	42382915201	AT ALLISON DRIVE	DRAINAGE/RETE NTION	January-10
7	SR 922/NE 123 ST	41807115201	FROM BISCAYNE BOULEVARD TO E BAYSHORE DRIVE	RESURFACING	January-10
8	SR 90/US-41/TAMIAMI	41949615201	FROM TRAIL FROM MP 0 TO 10.00 AND FROM MP 24.7 TO 25.7	SAFETY PROJECT	January-10
9	NE 87 ST	42640915201	FROM NE 2 AVENUE TO NE 4 ROAD	RESURFACING	January-10
10	NW 67 AVE/LUDLAM RD	42641815201	AT NW 38 TERRACE AND AT NW 40 STREET	DRAINAGE IMPROVEMENTS	January-10
11	SR 916/NW/NE 135 ST	41985615201	FROM NW 47TH AVENUE TO NW 30TH AVENUE	RESURFACING	February-10
12	SR A1A / I-395	25168615201	FROM NW 7 AVENUE_EAST TO ALTON ROAD	ADV TRAVELER INFORMATION SYSTEM	February-10
13	SR 826/PALMETTO EXPY	41476025201	FROM NW 25 ST INTERCHANGE TO I-75	ITS SURVEILLANCE SYSTEM	February-10
14	SR 5/US-1/BISCAYNE BLVD	40564125201	FROM NE 67 STREET TO NE 87 STREET	LANDSCAPING	March-10

Completed Projects

Completed Projects in 2010 Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Completion Date
15	SR 826/PALMETTO EXPY	24965125201	FROM N.W. 47 STREET TO N.W. 62 STREET	LANDSCAPING	April-10
16	SR 9A / I-95 EXPRESS	41545615201	FROM N OF SR 836/I-395 TO GOLDEN GLADES INTERCHANGE	ADD SPECIAL USE LANE	April-10
17	PERIMETER ROAD INTERMODAL HUB CAPACITY	41820815201	FROM NW 72 AVENUE TO NW 57 AVENUE	INTERMODAL HUB CAPACITY	May-10
18	SR A1A/MCARTHUR CSWY	41463515201	FROM RAMP TO WATSON ISLND TO E OF TERMINAL ISLAND	RESURFACING	May-10
19	SR 5/US-1/S. DIXIE	42351715201	AT SW 344 STREET	INTERSECTION (MODIFY)	May-10
20	SR 826 AT NW 122 ST	41611715201	FROM WEST 21ST COURT TO EAST OF WEST 20TH AVE.	INTERCHANGE RAMP (MODIFY)	May-10
21	SR 112 / I-195	40557845201	FROM BISCAYNE WATERWAY TO SR 907/ALTON ROAD	RESURFACING	June-10
22	SR 25/OKEECHOBEE RD	42269915201	AT NW 154 AVENUE (TRAFFIC SIGNAL)	TRAFFIC SIGNALS	June-10
23	SR 7/NW 5TH ST BRIDGE	41280815201	FROM BRIDGE FROM NW 3RD ST TO NW 8TH ST _870659	REPLACE MOVABLE SPAN BRIDGE	July-10
24	SUNGUIDE CONTROL CTR	25023875201	ITS COMMUNICATION SYSTEM	BUILDING REPAIR	July-10
25	SR 933/NW 12 AVENUE	24964025201	FROM NW 7 STREET TO NW 8 TERRACE	LANDSCAPING	September-10
26	SR 9A / I-95	41774029201	ITS EQUIPMENT REPLACEMENT	ITS COMMUNICATION SYSTEM	November-10
27	SR 992/SW 152 STREET	42355215201	AT SW 112 AVENUE	INTERSECTION IMPROVEMENT	November-10
28	SR 968/W. FLAGLER ST	41985015201	784' E OF SW 87 AVE. TO 384' OF SW 78 AVE	RESURFACING	November-10

Completed Projects

Completed Projects in 2010 Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Completion Date
29	SR 25/NW 36 STREET	42351515201	FROM NW 17 AVE INTERSECTION TO NW 22 AV INTERSECTION	INTERSECTION IMPROVEMENT	November-10
30	SR 944/NW 54 STREET	42351815201	AT NW 22 AVENUE	INTERSECTION IMPROVEMENT	November-10
31	SR 9A/I-95	42303615201	FROM SOUTHBOUND RAMP TO SW 7TH STREET	BRIDGE- REPAIR/REHABILI TATION	December-10
32	SR 9A / I-95	42705515201	ALONG EVACUATION ROUTES (SR 9A / I-95)	RETROFITTING / TRAFFIC SIGNAL UPDATE	December-10
33	SR 860/MIAMI GARDENS DR	40773615201	FROM NW 84TH COURT TO NW 68 AVE	RESURFACING	December-10
34	SR 860/MIAMI GARDENS DR	40773625201	FROM NW 68 AVENUE TO NW 59 AVE	RESURFACING	December-10
35	SR 9A / I-95	41067995201	FROM SR 5/US-1 TO N.W. 8TH STREET	LANDSCAPING	December-10

List includes projects completed January 1 through December 31, 2010.

Completed Projects

Completed Projects in 2010 Florida's Turnpike Enterprise

#	Project Name	Project Number	Limits	Phase	Estimated Completion Date
1	Okeechobee Plaza ORT Conversion		Okeechobee Plaza	Construction	April 2010
2	NW 74 th Street Interchange		NW 74 th Street	Construction	April 2010
3	Resurfacing HEFT		MP 0 (S. Dixie Highway) – MP 9 (Allapattah Rd.)	Construction	July 2010

Completed Projects

Completed Projects in 2010 Miami-Dade Expressway Authority (MDX)

#	Project Name	Project Number	Limits	Type of Work	Completion Date
1	SR 836 Landscaping	83617	92 Ave. to NW 137 Ave.	Landscape improvements	January-10

List includes projects completed January 1 through December 31, 2010.

Completed Projects

Completed Projects in 2010 Miami-Dade County Public Works Department

#	Project Name	From	To	Type of Work	Completion Date
1	NW 72 Avenue	NW 74 Street	Okeechobee Road	Widen to 4 lanes	Construction completed
2	NE 2 Avenue	NE 91 Street	NE 105 Street	Roadway improvements	Construction completed
3	SW 162 Avenue	SW 47 Street	SW 48 Terrace	Widen to 4 lanes	Construction completed
4	SW 47 Street	SW 162 Court	SW 160 Avenue	Widen to 3 lanes	Construction completed
5	SW 117 Avenue/ SW 122 Street			Intersection improvement	Construction completed
6	SW 137 Avenue/ SW 284 Street			Traffic signal	Construction completed
7	US-1/SW 336 Street			Traffic signal	Construction completed
8	Blue Road/San Amaro Drive			Roundabout	Construction completed
9	Blue Road/Alhambra Circle			Roundabout	Construction completed
10	Segovia Street/ Biltmore Way			Roundabout	Construction completed
11	Kendall Drive/Red Road			Intersection improvement	Construction completed
12	Le Jeune Road/Sevilla Avenue			Traffic signal	Construction completed
13	SW 72 Avenue	SW 40 Street	SW 20 Street	Street/Traffic operational improvements	Construction completed
14	SW 160 Street	SW 147 Avenue	SW 137 Avenue	New 4 lanes	Construction completed

Completed Projects

Completed Projects in 2010 Miami-Dade County Public Works Department

#	Project Name	From	To	Type of Work	Completion Date
15	SW 157 Avenue	SW 136 Street	SW 120 Street	New 4 lanes	Construction completed
16	NW 74 Street	NW 87 Avenue	NW 84 Avenue	Road reconstruction	Construction completed
17	NW 74 Street	NW 107 Avenue	NW 87 Avenue	New 6 lanes	Construction completed

Appendix B
Under Construction Highway Project Listings

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
1	SR 976/SW 40 ST	41809315201	FROM SW 57TH AVENUE TO WEST OF SW 38 AVENUE	RESURFACING	January-11
2	SR A1A FLYOVER	25006325201	SUNNY ISLES BOULEVARD BRIDGE NO. 870706	BRIDGE-REPAIR/REHABILITATION	January-11
3	SR 94/KENDALL DR	42351415201	WEST OF SW 99 COURT TO EAST OF SW 98 COURT	INTERSECTION IMPROVEMENT	January-11
4	Miami Intermodal Center: GMP 5	40680005201	AUTOMATED PEOPLE MOVER PLATFORM	NEW CONSTRUCTION	January-11
5	SR 90/SW 8 ST	42557815201	SR 90/SW 8 ST @ FLORIDA TURNPIKE - ADD SPECIAL USE LANE	INTERSECTION IMPROVEMENT	January-11
6	Miami Intermodal Center: GMP 4A	249937-5 249937-6	RENTAL CAR CENTER INCL SUPPORT BUILDING, QTA, RR, CSL AND MTAR	NEW CONSTRUCTION	February-11
7	N.W. 87TH AVE	40561525201	FROM NW 58TH STREET TO NW 74TH STREET	NEW ROAD CONSTRUCTION	February-11
8	SR 934/79 ST CSWY	41506025201	PHASE 2 SUBSTRUCT REPAIRS	BRIDGE-REPAIR/REHABILITATION	February-11
9	SR A1A/COLLINS AVE	42457915201	FROM 63RD STREET TO 75TH STREET	RESURFACING	February-11
10	SUNGUIDE CONTROL CTR	25023885201	ITS COMMUNICATION SYSTEM	BUILDING REPAIR (PHASE 2)	February-11
11	SR 5/US-1	24985645201	FROM MM 115.94 TO SW 344 ST. (W/ EXCEP)	FLEXIBLE PAVEMENT RECONSTRUCT.	March-11

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
12	SR 826/NW 167 ST.	42352015201	AT SR 817/NW 27TH AVENUE NW 27TH AVE EB OFFRAMP	INTERSECTION IMPROVEMENT	March-11
13	SR 944/HIALEAH DR	41823915201	FROM EAST 4TH AVENUE TO EAST 10TH AVENUE	RESURFACING	April-11
14	SR A1A/COLLINS AVE	41808915201	SOUTH OF 26TH STREET TO INDIAN CREEK DRIVE	RESURFACING	April-11
15	SR 5/US-1/BISCAYNE BLVD	42351215201	AT NE 191 ST INTERSECTION IMPROVEMENTS	INTERSECTION IMPROVEMENT	April-11
16	SR 916/NW 135 ST	42351825201	FROM NW 7 AVENUE - NW 6 AVENUE	INTERSECTION IMPROVEMENT	April-11
17	SR 860/MIAMI GARDENS DR	42521715201	AT NE 15 AVENUE	INTERSECTION IMPROVEMENT	May-11
18	SR 5-US1	24985625201	FROM MILE MARKER 121.32 TO MILE MARKER 124.18	FLEXIBLE PAVEMENT RECONSTRUCT.	May-11
19	SR 9A/I-95	42521615201	AT SR 860/MIA GDNS DRIVE (INSTALL RAMP SHOULDER)	INTERSECTION IMPROVEMENT	June-11
20	Miami Intermodal Center: GMP 6A	40680025201	GMP-6A - NW 37 AVENUE. WATER MAIN, NW 25 STREET PUMP STATION, MIC SCREEN WALL	NEW CONSTRUCTION	June-11
21	SR 826/PALMETTO EXPY	24965325201	FROM NW 81 ST (FEC R/R) TO NW 99 ST (WEST 41 ST.)	LANDSCAPING	June-11
22	SR 9A/I-95	41545645201	FROM NB I-95 EXIT TO NB SR 91(INCLUDES AUX. LANE)	WIDEN/RESURFACE EXIST LANES	July-11

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
23	SR 94/SW 88 STREET	42513915201	AT SW 87 AVENUE	INTERSECTION IMPROVEMENT	July-11
24	NW 25TH ST	25118525201	FROM SR 826 TO NW 67TH AVE	ADD LANES & RECONSTRUCT	July-11
25	NW 25TH ST	40566535201	VIADUCT FROM SR 826 TO NW 68 AVENUE	NEW ROAD CONSTRUCTION	July-11
26	SR 112/AIRPORT EXPY	41841415201	RAMP Z TO SR 9A/I-95	BRIDGE - PAINTING	July-11
27	SR 5/US-1/BISCAYNE	40557835201	BLVD FROM NE 36TH STREET TO NE 38TH STREET	RESURFACING	July-11
28	SR 5/US-1/BISCAYNE	41462415201	BLVD FROM NE 15TH STREET TO NE 35TH TERRACE	FLEXIBLE PAVEMENT RECONSTRUCT.	July-11
29	SR 973/SW 87TH AVE	41985215201	FROM SW 8TH STREET TO WEST FLAGLER STREET	RESURFACING	August-11
30	SR 934/NE 82 STREET	41064635201	FROM SR 5/BISCAYNE BLVD TO NE BAYSHORE COURT	RESURFACING	August-11
31	SR 90/SW 8TH STREET	42313415201	FROM 1,215'E OF KROME (SR 997) TO 600'E OF SW 153 PL	RESURFACING	August-11
32	SR 90/SW 8TH STREET	42529115201	AT SW 142 AVENUE	TRAFFIC SIGNALS	August-11
33	SR 934/NW/NE 71ST ST	41982515201	FROM BAY DRIVE TO SR A1A/COLLINS AVE	RESURFACING	September-11

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
34	SR 934/NORMANDY DR	41809515201	FROM RUE NOTRE DAME TO BAY DRIVE EAST (W/B)	RESURFACING	October-11
35	SR 934/NORMANDY DR	42261615201	FROM W. OF BAY DR WEST TO RUE NOTRE DAME (W/B)	RESURFACING	October-11
36	SR 934/71ST STREET	42261715201	FROM W. OF BAY DRIVE WEST TO BAY DRIVE EAST (E/B)	RESURFACING	October-11
37	SR 934/71ST STREET	42261715202	FROM W. OF BAY DRIVE WEST TO BAY DRIVE EAST (E/B)	RESURFACING	October-11
38	SR 972/CORAL WAY	42090915201	FROM S.W. 12 AVENUE TO S.W. 15 ROAD	LIGHTING	October-11
39	RESURFACING	41809415201	FROM NW 176TH STREET TO 1200' S OF NW 215 ST.	RESURFACING	October-11
40	SR 823/NW 57 AVE	24994125201	FROM WEST 19 STREET TO WEST 23 STREET	ADD LANES & RECONSTRUCT	November-11
41	SR 823/NW 57 AVE	24994135201	FROM OKEECHOBEE ROAD TO WEST 19TH ST.	ADD LANES & RECONSTRUCT	November-11
42	SR A1A/MCARTHUR CSWY /5TH ST	41463615201	FROM WEST AVENUE TO COLLINS AVENUE	RESURFACING	November-11
43	M-PATH EXTENSION	41279535201	FROM DADELAND S. STATION TO S.W. 67 AVENUE	BIKE PATH/TRAIL	November-11
44	SR 948/NW 36 STREET	42420715201	FROM NW 79 AVENUE TO NW 74 AVENUE	SIDEWALK	December-11

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
45	SR 826/PALMETTO EXPY	24965025201	FROM N.W. 31 STREET TO N.W. 47 STREET	LANDSCAPING	December-11
46	SR A1A/INDIAN CREEK	24994015201	FROM 63RD STREET TO ABBOTT AVENUE	INTERSECTION (MINOR)	December-11
47	SR A1A/INDIAN CREEK	24994015202	FROM 63RD STREET TO ABBOTT AVENUE	INTERSECTION (MINOR)	December-11
48	SR 907/63RD ST	40793515201	BASCULE BRIDGE	BRIDGE-REPAIR/REHABILITATION	December-11
49	SR 5/US-1/S. DIXIE	41062525201	FROM 400' S OF SW 284 ST. TO 340' N OF SW 266 ST.	FLEXIBLE PAVEMENT RECONSTRUCT.	December-11
50	SR 915/NE 6 AVENUE	42508115201	AT NE 159 STREET	INTERSECTION IMPROVEMENT	December-11
51	SR 922/NE 123 STREET	42508615201	AT US 1/SR5	INTERSECTION IMPROVEMENT	December-11
52	SR 5/BRICKELL AVENUE	41247315201	FROM S OF S.E. 25TH ROAD TO S.E. 4TH STREET	RIGID PAVEMENT REHABILITATION	February-12
53	SR 826/PALMETTO EXPY	24903515201	FROM N OF SUNSET DR/SW 72 STREET TO SW 32ND STREET	INTERCHANGE (MODIFY)	February-12
54	SR 112/I-195	40557815201	FROM I-95 (NW 10TH AVE) TO BISCAYNE BA	BRIDGE-REPAIR/REHABILITATION	May-12
55	SR 5/US-1/S. DIXIE	41062515201	FROM S.W. 304TH STREET TO 400' S OF SW 284 ST.	FLEXIBLE PAVEMENT RECONSTRUCT	October-12

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Florida Department of Transportation District 6

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
56	PORT OF MIAMI TUNNEL	25115635201	PORT OF MIAMI TO SR 836/I-395	NEW CONSTRUCTION	May-14
57	SR 826/SR 836	24958115201	N OF SW 8 ST TO S OF NW 25 ST & FM NW 87 TO 57 AVE'S	INTERCHANGE (MODIFY)	February-15

List includes all projects let as of December 2010.

**2011 TIP Projects Under Construction
Florida's Turnpike Enterprise**

#	Project Name	Limits	Phase	Estimated Completion Date
1	HEFT All-Electronic Tolling	MP 0 (S. Dixie Highway) – MP 47 (Miramar Toll Plaza)	Construction	September 2011
2	Resurfacing HEFT	MP 16 (Coral Reef Drive) – MP 20.4 (Kendall Drive)	Construction	July 2012
3	Resurfacing Mainline Spur	MP 0X (Golden Glades) – MP 3.3 (Homestead Extension)	Construction	November 2011

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Miami-Dade Expressway Authority (MDX)

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
1	SR 826/SR 836 Interchange Improvements	83608	SR 826 Interchange to SR 836	Interchange Modification (JPA with FDOT)	November-14
2	SR 836 Eastbound Auxiliary Lane	83622	SR 826/SR 836 Interchange to NW 42nd Ave.	Additional Capacity	June-11
3	SR 874 / Killian Parkway Interchange Improvements	87404	Homestead Extension of Florida's Turnpike to Kendall Drive	Mainline Reconstruction	November-11
4	SR 874 Infrastructure Modifications for Open Road Tolling	87412	Homestead Extension of Florida's Turnpike to SR 826	Rdwy. Reconstruction, Demolition, Gantry, Signs Installation	March-11
5	SR 878 Infrastructure Modifications for Open Road Tolling	87801	SR 874 to U.S. 1	Rdwy. Reconstruction, Gantry, Signs Installation	March-11
6	SR 924 Infrastructure Modifications for Open Road Tolling	92405	57th Avenue to 27th Avenue	Rdwy. Reconstruction, Demolition, Gantry, Signs Installation	March-11
7	SR 874 / SR 878 Communications and Incident Mgmt. /Surveillance	10010	SR 874 to U.S. 1	ITS	February-11
8	SR 924 Toll System Conversion	10013	SR 826 to NW 27th Ave.	ORT In-Lane Hardware/Software	July-11
9	SR 878 Toll System Conversion	10014	SR 874 to U.S. 1	ORT In-Lane Hardware/Software	July-11
10	SR 874 Toll System Conversion	10015	SR 826 to the Homestead Extension of the Florida's Turnpike	ORT In-Lane Hardware/Software	July-11
11	SR 112 Toll System Conversion	10016	Le Jeune Road to I-95	ORT In-Lane Hardware/Software	June-12

**2011 TIP Projects Under Construction
Miami-Dade Expressway Authority (MDX)**

#	Project Name	Project Number	Limits	Type of Work	Estimated Completion Date
12	SR 836 Toll System Conversion	10017	NW 137 th Ave. to I-95	ORT In-Lane Hardware/Software	July-14

List includes all projects let, but not completed from December 2010 to date.

Under Construction Highway Project Listings

2011 TIP Projects Under Construction Miami-Dade County Public Works Department

#	Project Name	From	To	Description	Status
1	NW 97 Avenue	NW 138 Street	NW 154 Street	New 4 lanes	Under construction
2	NW 138 Street	NW 107 Avenue	I-75	Widen to 6 lanes, canal relocation	Under construction
3	SW 184 Street	SW 147 Avenue	SW 137 Avenue	Widen to 4 lanes	Under construction
4	Ponce de Leon Boulevard	Alcazar Avenue	Salamanca Avenue	4 lanes with left turn bays	Under construction
5	W 68 Street	W 19 Court	W 17 Court	Add lane south side, signalization	Under construction
6	SW 62 Avenue	SW 24 Street	NW 7 Street	Street improvements	Under construction
7	SW 62 Avenue	SW 70 Street	SW 64 Street	5 to 2 lanes	Under construction

