

MIAMI-DADE EXPRESSWAY AUTHORITY



Fiscal Year 2015-2019 Work Program

BOARD APPROVED FEBRUARY 2014

The Miami-Dade Expressway Authority (MDX)

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 222 lane-miles of roadway in Miami-Dade County, Airport Expressway (SR 112); Dolphin Expressway (SR 836); Don Shula Expressway (SR 874); the Snapper Creek Expressway (SR 878) and the Gratigny Parkway (SR 924). MDX's Mission is to *“serve as an innovative transportation agency dedicated to the enhancement of mobility in Miami-Dade County”*.

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

The Five-Year Work Program identifies and prioritizes projects that MDX anticipates funding during the next five years. Funding for these projects may be total or partial depending of the phase of the project and the availability of funds. 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 preservation, expansion and improvements.

The basis for the Five-Year Work Program is the MDX Long-Range Master Transportation Plan (LRMTP) which includes projects of regional significance that MDX is examining for future implementation. On an annual basis MDX evaluates the financial feasibility of projects in the LRMTP, those that are financially feasible are incorporated into the Five-Year Work Program, and those that are not deemed yet feasible remain in the LRMTP. The number of projects or phases of projects added to the Five-Year Work Program is contingent upon MDX's ability to fund them while maintaining existing programs.

The Work Program Cycle

In the summer of 2013 MDX began the new cycle to develop the “Tentative” Work Program for Fiscal Years (FY) 2015 - 2019. In December 2013 MDX participated in a public review meeting with FDOT and FTE and provided information for projects to be included in its tentative work program. In February 2014 MDX posted in the website the final Tentative Work Program and advertised (2 times) an online review session to invite the public to review the projects and provide comments. The final program was presented to the Operations Committee for endorsement and to the MDX Board for approval and adoption in February 2014.

Programs and Funding

Program Descriptions

The Five-Year Work Program consists of three aspects of infrastructure construction:

- Five-Year Transportation Improvement Program (TIP) which 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.
- Five-Year Capital Improvement Program (CIP) which includes improvements to MDX assets other than highway facilities and system-wide roadway improvement projects.
- Five-Year Renewal and Replacement Program (R&R) which includes budget for comprehensive system maintenance or repairs, not recurring annually and renewals and replacements; repairs or replacements resulting from an emergency caused by some unforeseen or extraordinary occurrence; and all or any part of any System Improvement.

Funding Overview

MDX's Five-Year Work Program is funded from toll revenues collected on 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 2015 - 2019 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. Projects in the CIP and R&R Programs are included in summary for reference.

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 – 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 two phases, the East Section from NW 62nd Avenue to I-95 and the West Section from NW 137th to SR 826. The estimated conversion date is FY 2015.

- **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 early FY 2016. 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 and is an example of MDX working together with its Transportation Partners to deliver substantial improvements to mobility in Miami-Dade County.
- **Project 83611 – SR 836 / I-95 Interchange Improvements**

MDX partnered with FDOT by entering into a Joint Participation Agreement (JPA) for the development of an Environmental Assessment for the SR 836 project from NW 17th Avenue to I-95, in conjunction with the on-going FDOT I-395 Project Development and Environment (“PD&E”) study which has been completed. MDX will continue to partner with FDOT to advance the Right-Of-Way phase which has been started and the Design-Build phase which is anticipated to begin in FY 2015.
- **Project 83625 – SR 836 Extension Westbound Access Ramp**

This project entails the construction of an access ramp from west of NW 107th Avenue extending 0.3 miles westbound to the SR 836 Extension. The use of the ramp was originally envisioned for emergency vehicle access only, however after evaluation, MDX modified the design so that it can be used as a public use ramp in order to maximize its benefits. The revised schedule reflects a completion date in FY 2016.
- **Project 83628 – SR 836 Operational, Capacity and Interchange Improvements**

The current Five-Year Work Program provides funding for the right-of-way acquisition and design-build of an additional eastbound and westbound lane on SR 836 from west of NW 57th Avenue to NW 17th Avenue as well as improvements to the SR 836/ NW 57th Avenue Interchange, the SR 836 / LeJeune Interchange, the SR 836 / NW 27th Avenue Interchange and the SR 836/ NW 17th Avenue Interchange. This will provide additional capacity on the mainline and improve operations in and around the existing interchanges resulting in an improved level of service and safety. The Design-Build phase is scheduled to begin in FY 2015.
- **Project 83629 – SR 836 Interchange Modifications at 87th Avenue**

The current Five-Year Work Program provides funding for the reconstruction of the SR 836 Mainline and NW 87th Avenue interchange. The final design has begun and is anticipated to be completed in FY 2014. This improvement ties into MDX completed Project No. 83614 on the west and MDX Project No. 83608 currently under construction on the east. This improvement will enhance operations and improve safety on the SR 836 corridor.
- **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 was placed in service in FY 2012. This project significantly reduced the congestion and delays on the southern half of SR 874 and on the Killian Parkway interchange in the vicinity of SW 107th Avenue. As part of this project MDX has programmed funds for an additional phase to provide operational improvements by adding a fourth lane to Killian Parkway westbound.

System Expansion Projects

The following projects are categorized as System Expansions in the current Five-Year TIP and include all construction of new roadway segments on new alignments adjacent to the existing system that will increase the total centerline miles of the system:

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

MDX is evaluating the feasibility of a new 15 mile expressway extension of SR 836 from NW 137th Avenue to the southwest Kendall area. Project development is the only phase currently funded in the Five-Year Work Program. The extension of SR 836 is envisioned as a multimodal facility, used also by express transit buses that would address the existing transportation needs of a vast community of thousands of existing residents living in the south western areas of Miami-Dade County west of the Turnpike.

- **Project 87410 – SR 874 Ramp Connector to SW 128th Street**

The PD&E Study has been completed for a new 1.2 mile ramp connection from SR 874 to SW 128th Street. A portion of this project is currently being constructed by the Florida's Turnpike Enterprise under an interagency agreement with MDX as part of a larger project to widen the HEFT and reconstruct the HEFT/SR 874 Interchange. MDX will be starting the Design-Build phase for the balance of the project in FY 2015.

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

The PD&E Study is substantially complete for a new 2.3 mile expressway extension of SR 924 to Florida's Turnpike in the vicinity of Okeechobee Road. The right-of-way activities will begin as soon as the Study is complete. The final design phase is scheduled to begin in early FY 2016. Construction of this project is not yet funded, except for a 1.6 mile section of NW 138th Street, which has been reconstructed to a predominantly 6 lane section.

- **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 and it's scheduled to be completed in FY 2016. No other phases of this project are included in the MDX Five-Year Work Program at this point.

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:

- **Projects 10016 and 10017 – SR 112 and SR 836 Toll System Conversion**

As of early FY 2011, the SR 924, SR 874 and SR 878 corridors had been converted to ORT. These projects provide for the conversion of SR 112 and SR 836 to complete the system-wide conversion to ORT. Both corridors are scheduled to be converted in FY 2015.

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

As of FY 2010 MDX completed its systemwide implementation of an ITS network which included communications systems, incident management and traffic surveillance equipment. This network is linked to the SunGuide Transportation Management Center to help traffic operations on the System. Through this project, by FY 2015, MDX will install DMS system-wide that will display live traffic condition information collected by the MDX ITS surveillance system thus further improving operations and safety throughout the System.

- **Project 10021 – Systemwide ITS Improvements**

This project provides for concept development and construction of ITS improvements 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**

Project development study of a potential new expressway connecting SR 836, SR 112, SR 924 and SR 826. The PD&E Study will include evaluation of system interchanges with SR 112, SR 924 and SR 826 as well as potential service interchanges with NW 54th Street, NW 79th Street and NW 103rd Street with connectors to NW 37th Avenue. The PD&E Study is scheduled to begin in FY 2016 and is the only phase currently included in the Five-Year Work Program.

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

MDX is evaluating potential enhancements to the existing Miami-Dade Transit Busway that could improve existing transit service and safety as well as traffic operations at existing intersections. It will also evaluate the use of any excess capacity of the Busway by private vehicles paying a toll, which in turn would ease congestion in the parallel U.S. 1 corridor. The study is underway and is anticipated to be completed in FY 2015.

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

This project provides for the start of the concept development of operational improvements to facilitate bus service from the Miami Intermodal Center (MIC) to Dadeland pending the results of a feasibility study. It was previously scheduled to begin in FY 2013, but is now shifted to FY 2015.

Five-Year Work Program Priorities



Safety

MDX’s first priority is to provide safe roadways. To that end MDX has a systematic safety program to identify locations in the system that may be deficient and including in its Five-Year Work Program safety projects aimed to reduce the number of traffic crashes and injuries on its system. Safety components are included on every MDX project.

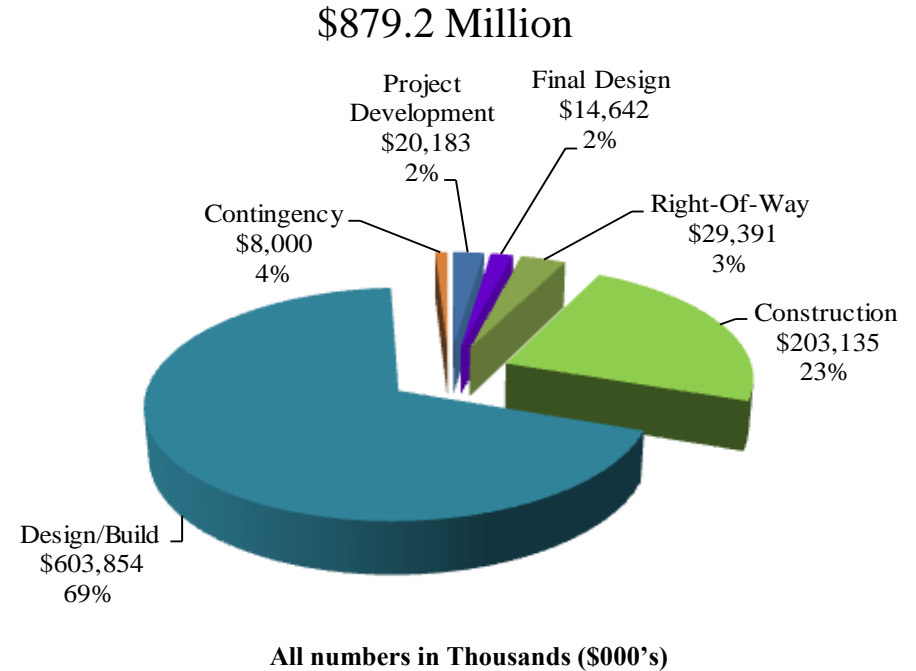
System Preservation

The second priority is to preserve the roadways and bridges in good condition. For this purpose MDX annually funds a series of renewal and replacement projects that include resurfacing of the roadway and other non-routine repairs.

Mobility Improvements

Once safety and system preservation projects have been funded, MDX funds mobility improvement projects. These reduce congestion by adding capacity to the roadways through the construction of new lanes; or increasing capacity by expanding its current expressway network.

Five-Year Work Program Breakdown



Five-Year Work Program Accomplishments

- \$1.2 billion invested in projects to date resulting in the generation of over 13,000 jobs into the local economy.
- Approximately \$0.30 of every dollar of contracts awarded by MDX go to Small and Local businesses.
- 32 new lane miles have been added to the MDX system.
- 87% of the system resurfaced to date and 100% scheduled to be completed in FY 2015.
- Intelligent Transportation System Network installed system-wide to provide users with live traffic information and emergency alerts.

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FISCAL YEAR 2015-2019



WORK PROGRAM SUMMARY

	Program Name	Programmed in 5-Years (\$000's)					TOTAL
		FY15	FY16	FY17	FY18	FY19	
TIP	Transportation Improvement Program						
		\$170,569	\$221,735	\$251,462	\$139,299	\$63,449	\$846,514
R&R	Renewal and Replacement Program						
		\$12,394	\$2,873	\$4,590	\$1,452	\$93	\$21,402
CIP	Capital Improvement Program						
		\$1,109	\$6,515	\$3,665	\$0	\$0	\$11,289
PROGRAM TOTALS		\$184,072	\$231,123	\$259,717	\$140,750	\$63,542	\$879,205

Includes contingency

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TRANSPORTATION IMPROVEMENT PROGRAM

Project Number	Project Name		Phase	Expenditures Thru FY13	Projected FY14 Budget	FY15 THRU FY19 (\$000s)					Total Project Budget	
	Description	Project Limits				FY15	FY16	FY17	FY18	FY19		
11209	SR 112 Infrastructure Modifications for Open Road Tolling											\$14,466
	Removal of existing toll plaza, installation of gantries, shelter and on & off system signage, and modification to the SR 112 roadway in the area of the gantries to accommodate highway-speed vehicle traffic for implementation of Open Road Tolling.	NW 22nd Street to NW 12th Avenue	Project Development	\$235								\$235
			Final Design	\$2,095	\$77							\$2,173
			Right-of-Way									\$0
			Construction	\$183	\$7,125	\$4,156	\$594					\$12,058
			Design/Build									\$0
11211	Central Boulevard Reconstruction											\$60,899
	JPA with FDOT and Miami International Airport for partial funding and construction of Central Boulevard, the primary access roadway between MIA and SR 112 and SR 836.	Airport Terminals to SR 836 & SR 112	Project Development	\$663								\$663
			Final Design									\$0
			Right-of-Way									\$0
			Construction									\$0
			Design/Build		\$49,287	\$10,949						\$60,236
83603	SR 836 / SR 112 Interconnector											\$86,628
	Funding JPA for acquisition of ROW by FDOT for Interconnector from SR 836 to Central Boulevard. Design and construction by FDOT of C-D roads to access MIC and MIA from SR 836 with provisions for connections to SR 836 Managed Lanes. Refer to FDOT FM 250234 1 005 06, and FM 250234 2 005 06.	SR 836 to NW 28th Street	Project Development	\$86,570	\$58							\$86,628
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
83608	SR 826 / SR 836 Interchange Improvements											\$213,904
	Includes Design, Construction and Right-of-Way JPA w/ FDOT for partial funding of SR 826 / SR 836 interchange. Refer to FM # 249581.	NW 82nd Avenue to SR 826 / SR 836 Interchange	Project Development	\$1,655								\$1,655
			Final Design	\$11,035								\$11,035
			Right-of-Way	\$120	\$280							\$400
			Construction	\$78,092	\$25,599	\$25,489	\$25,134	\$46,500				\$200,814
			Design/Build									\$0
83611	SR 836 / I-95 Interchange Improvements											\$304,497
	Coordination of operational improvements to SR 836 eastbound from NW 17th Avenue to I-95 Interchange with City of Miami, FDOT-6, and others. JPA established with FDOT.	NW 17th Avenue to I-95	Project Development	\$2,394	\$2,385	\$882						\$5,662
			Final Design									\$0
			Right-of-Way		\$4,768	\$2,682						\$7,450
			Construction									\$0
			Design/Build			\$9,059	\$28,442	\$90,374	\$81,259	\$54,449		\$291,385
83618	SR 836 Southwest Extension											\$10,642
	Preparation of concept report and PD&E Study for new expressway extension of SR 836 from NW 137th Avenue to the southwest Kendall area as part of the MDX Master Plan and the MPO Long Range Transportation Plan.	NW 137th Avenue to SW Kendall Area	Project Development	\$2,132	\$1,020	\$1,901	\$2,341	\$1,607	\$1,314	\$327		\$10,642
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
83624	SR 836 Infrastructure Modifications for Open Road Tolling (EAST SECTION)											\$27,168
	Existing toll plaza modifications, installation of gantries, shelters and on & off system signage, and reconstruction of the SR 836 roadway to accommodate highway-speed vehicle traffic for implementation of Open Road Tolling.	NW 62nd Avenue to I-95 / I-395	Project Development	\$1,317								\$1,317
			Final Design									\$0
			Construction	\$500	\$160							\$660
			Design/Build	\$2,858	\$13,227	\$9,105						\$25,190
83625	SR 836 Extension - Westbound Access Ramp											\$4,837
	Design and construction of a public-use access ramp from west of NW 107th Avenue to SR 836 westbound extension.	NW 107th Avenue to SR 836 Westbound	Project Development	\$43	\$44							\$86
			Final Design	\$599	\$10							\$609
			Construction	\$15								\$15
			Design/Build		\$660	\$2,848	\$619					\$4,127
83628	SR 836 Operational, Capacity and Interchange Improvements											\$207,821
	Project development and Design-Build for the construction of SR 836 Eastbound Auxiliary Lane from NW 57th Ave. to Le Jeune Road; SR 836 Eastbound additional lane from Le Jeune Road to NW 27th Avenue; SR 836 Westbound additional lane from 17th Ave. to 57th Ave. and improvements to the interchanges at NW 57th Ave., Le Jeune Road, NW 27th Ave. and NW 17th Ave.	NW 57th Avenue to NW 17th Avenue	Project Development	\$4,413	\$1,893	\$210						\$6,517
			Final Design									\$0
			Right-of-Way		\$2,696	\$6,743	\$4,117					\$13,556
			Construction									\$0
			Design/Build			\$30	\$27,123	\$72,969	\$54,951	\$31,967	\$706	\$187,748

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TRANSPORTATION IMPROVEMENT PROGRAM

Project Number	Project Name		Phase	Expenditures Thru FY13	Projected FY14 Budget	FY15 THRU FY19 (\$000s)					Total Project Budget	
	Description	Project Limits				FY15	FY16	FY17	FY18	FY19		
83629	SR 836 Interchange Modifications at 87th Avenue											\$88,972
	Reconstruction of the NW 87th Avenue Interchange and SR 836 Mainline to 500 feet west of NW 82nd Avenue.	SR 836 West of 82nd Avenue to NW 97th Avenue	Project Development	\$717								\$717
			Final Design	\$4,818	\$2,421	\$50						\$7,290
			Right-of-Way									\$0
			Construction		\$37	\$14,718	\$23,914	\$21,216	\$15,079	\$6,002		\$80,965
			Design/Build									\$0
83630	SR 836 and NW 14th Street Off-Ramp Widening											\$257
	Widening of Westbound Exit Ramp at NW 14th Street and SR 836.	SR 836 at NW 10th Avenue	Project Development	\$24								\$24
			Final Design	\$227	\$6							\$233
			Right-of-Way									\$0
			Construction									\$0
			Design/Build									\$0
83631	SR 836 Infrastructure Modifications for Open Road Tolling (WEST SECTION)											\$12,716
	Modification of existing toll plaza and installation of gantries and on & off system signage, and modification to the SR 836 roadway and ramps in the area of the existing toll plaza.	NW 137th Avenue to NW 62nd Avenue	Project Development	\$1,141	\$127							\$1,268
			Final Design									\$0
			Right-of-Way									\$0
			Construction									\$0
			Design/Build			\$1,832	\$7,900	\$1,717				\$11,449
87404	SR 874 / Killian Parkway Interchange											\$98,995
	Modification of Killian Parkway Interchange and provision for new northbound and southbound electronic toll collection gantries. Includes removal of existing northbound and southbound toll plazas; roadway widening, installation of sound barrier walls and extension of 4th lane on Killian Parkway from west of 107th Avenue to Miami -Dade College entrance.	Homestead Extension of Florida's Turnpike to Kendall Drive	Project Development	\$1,697								\$1,697
			Final Design	\$9,678	\$39							\$9,717
			Right-of-Way									\$0
			Construction	\$85,677	\$635	\$1,269						\$87,581
			Design/Build									\$0
87409	SR 874 Mainline Reconstruction											\$66,876
	Widening and resurfacing of SR 874 mainline from Kendall Drive to SR 826. Preparation of noise analysis report and installation of sound barrier walls.	Kendall Drive to SR 826	Project Development	\$825								\$825
			Final Design	\$5,953	\$1							\$5,954
			Right-of-Way	\$13								\$13
			Construction	\$216								\$216
			Design/Build	\$48,703	\$11,164							\$59,867
87410	SR 874 Ramp Connector to SW 128th Street											\$114,294
	New connection from SR 874 to SW 128th Street as part of the MDX Master Plan and the MPO Long Range Transportation Plan.	SW 128th Street to SR 874	Project Development	\$3,217	\$1,729	\$973						\$5,919
			Final Design									\$0
			Right-of-Way	\$9	\$919	\$3,693	\$18					\$4,638
			Construction									\$0
			Design/Build		\$5,000	\$15,821	\$47,502	\$29,218	\$6,196			\$103,737
92404	SR 924 Extension West to the Homestead Extension of the Florida Turnpike											\$42,122
	Project development, preparation of concept report, PD&E Study and advanced Right-of-Way activities for a new expressway extension from SR 924 west to the Homestead Extension of the Florida's Turnpike (HEFT) as part of the MDX Master Plan and the MPO Long Range Transportation Plan.	Existing SR 924 to Homestead Extension of Florida's Turnpike	Project Development	\$3,679	\$410	\$230						\$4,319
			Final Design			\$1,352	\$6,894	\$4,596	\$676			\$13,517
			Right-of-Way	\$27	\$358	\$4,341	\$6,669	\$1,128				\$12,523
			Construction	\$11,763								\$11,763
			Design/Build									\$0

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TRANSPORTATION IMPROVEMENT PROGRAM

Project Number	Project Name		Phase	Expenditures Thru FY13	Projected FY14 Budget	FY15 THRU FY19 (\$000s)					Total Project Budget	
	Description	Project Limits				FY15	FY16	FY17	FY18	FY19		
92407	SR 924 Extension East to I-95											\$3,840
	PD&E Study for a new expressway extension from SR 924 at 32nd Avenue east to I-95 as part of the MDX Master Plan and the MPO Long Range Transportation Plan.	Existing SR 924 at NW 32nd Avenue to I-95	Project Development	\$3,369	\$231	\$188	\$52					\$3,840
			Final Design									\$0
			Right-of-Way									\$0
			Construction									\$0
			Design/Build									\$0
20001	Connect 4 Express											\$10,692
	Project development for new expressway connecting SR 836, SR 112 and SR 924. Includes 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.	SR 836 to SR 924	Project Development	\$1,334			\$655	\$1,872	\$2,808	\$1,965		\$10,692
			Final Design									\$0
			Right-of-Way									\$0
			Construction									\$0
			Design/Build									\$0
20003	U.S. 1 Express Lanes											\$9,968
	Preparation of PD&E Study to convert existing Busway into Managed Lane facility as part of the MDX Master Plan and the MPO Long Range Transportation Plan.	SW 344 Street to SW 88 Street	Project Development	\$4,942	\$3,216	\$1,809						\$9,968
			Final Design									\$0
			Right-of-Way									\$0
			Construction									\$0
			Design/Build									\$0
20004	MIC-Dadeland Busway											\$25
	Preparation of study to evaluate feasibility of running bus service from the MIC to Dadeland.	Miami Intermodal Center to Dadeland	Project Development			\$25						\$25
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
10013	SR 924 Toll System Conversion											\$3,351
	SR 924 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	SR 826 to NW 27th Avenue	Project Development									\$0
			Final Design									\$0
			Construction									\$0
			Design/Build		\$2,687	\$664						\$3,351
10014	SR 878 Toll System Conversion											\$1,854
	SR 878 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	US-1 to SR 874	Project Development									\$0
			Final Design									\$0
			Construction									\$0
			Design/Build		\$1,379	\$475						\$1,854
10015	SR 874 Toll System Conversion											\$4,088
	SR 874 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	Homestead Extension of Florida's Turnpike to SR 826	Project Development									\$0
			Final Design									\$0
			Construction									\$0
			Design/Build		\$2,850	\$1,239						\$4,088
10016	SR 112 Toll System Conversion											\$4,811
	SR 112 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	Lefebvre Road to I-95	Project Development									\$0
			Final Design									\$0
			Construction									\$0
			Design/Build		\$218	\$1,506	\$3,088					\$4,811
10017	SR 836 Toll System Conversion											\$19,020
	SR 836 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	NW 137th Avenue to I-95	Project Development									\$0
			Final Design									\$0
			Construction									\$0
			Design/Build		\$568	\$5,708	\$12,743					\$19,020

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	Description	Project Limits				FY15	FY16	FY17	FY18	FY19	
10018	Systemwide Open Road Tolling Hardware/Software Development										\$13,603
	Development of systemwide hardware and software and enhancements to the account management toll enforcement system to accommodate requirements for Open Road Tolling.	Systemwide	Project Development								\$0
			Final Design								\$0
			Construction								\$0
			Design/Build	\$8,850	\$4,752						\$13,603
10019	Systemwide Implementation of Dynamic Message Signs (DMS)										\$12,401
	Procurement and installation of dynamic message signs (DMS) at specific locations throughout the MDX System to provide travelers information on traffic conditions.	Systemwide	Project Development	\$414							\$414
			Final Design								\$0
			Construction								\$0
			Design/Build	\$1,090	\$6,321	\$4,577					\$11,988
10021	Systemwide ITS Improvements										\$750
	Concept development and preparation of procurement documents for systemwide ITS improvements resulting from ITS Master Plan recommendations.	Systemwide	Project Development		\$60	\$593	\$98				\$750
			Final Design								\$0
			Construction								\$0
			Design/Build								\$0
			Contingency Cost			\$7,000					\$7,000
TRANSPORTATION IMPROVEMENT PROGRAM TOTALS				\$450,291	\$119,832	\$170,569	\$221,735	\$251,462	\$139,299	\$63,449	\$1,446,497.85

MIAMI-DADE EXPRESSWAY AUTHORITY (MDX)

FISCAL YEAR 2015-2019



CAPITAL IMPROVEMENT PROGRAM

Project Number	Project Name		Phase	Expenditures Thru FY13	Projected FY14 Budget	FY15 THRU FY19 (\$000s)					Total Project Budget
	Description	Project Limits				FY15	FY16	FY17	FY18	FY19	
40025	Integrated Financial Contract Management System										\$568
	Procurement and implementation of an Integrated Financial Contract Management System.	Systemwide	Project Development								\$0
			Final Design								\$0
			Construction	\$8	\$560						\$568
			Design/Build								\$0
40027	Systemwide Safety Improvements										\$6,054
	Safety improvements including those resulting from and recommended through the MDX systemwide safety studies.	Systemwide	Project Development	\$174	\$1						\$175
			Final Design	\$568	\$127						\$695
			Construction	\$3,282	\$1,712	\$190					\$5,184
			Design/Build								\$0
40037	Improvements to the SR 836 Bridge over the Miami River										\$276
	Replacement of bridge fender system, lighting and access ladder to protect bridge piers from vessel impacts at the Miami River and removal of the fender system at the Tamiami Canal Bridge.	SR 836	Project Development	\$38							\$38
			Final Design	\$239							\$239
			Construction								\$0
			Design/Build								\$0
40040	Systemwide Landscaping Improvements (Phase II)										\$4,325
	Implementation of landscape on specific segments sytemwide.	Systemwide	Project Development	\$117	\$24						\$141
			Final Design	\$260	\$161						\$421
			Construction	\$3,300	\$463						\$3,764
			Design/Build								\$0
40041	SR 924 ORT System Replacement										\$2,892
	SR 924 ORT System Replacement	SR 826 to NW 27th Avenue	Project Development								\$0
			Final Design								\$0
			Construction								\$0
			Design/Build				\$1,851	\$1,041			\$2,892
40042	SR 878 ORT System Replacement										\$2,346
	SR 878 ORT System Replacement	US-1 to SR 874	Project Development								\$0
			Final Design								\$0
			Construction								\$0
			Design/Build				\$1,501	\$844			\$2,346
40043	SR 874 ORT System Replacement										\$4,943
	SR 874 ORT System Replacement	Homestead Extension of Florida's Turnpike SR 826	Project Development								\$0
			Final Design								\$0
			Construction								\$0
			Design/Build				\$3,163	\$1,779			\$4,943
40044	SR 924 Drainage Improvements at NW 32nd Avenue										\$753
	Upgrade the SR 924 drainage infrastructure at NW 32nd Avenue.	NW 32 Avenue to NW 32 Avenue	Project Development								\$0
			Final Design		\$84	\$45					\$129
			Construction			\$624					\$624
			Design/Build								\$0
			Contingency Cost			\$250				\$250	
CAPITAL IMPROVEMENT PROGRAM TOTALS				\$7,985	\$3,132	\$1,109	\$6,515	\$3,665	\$0	\$0	\$22,406.86

MIAMI-DADE EXPRESSWAY AUTHORITY (MDX)

FISCAL YEAR 2015-2019



RENEWAL AND REPLACEMENT PROGRAM

Project Number	Project Name		Phase	Expenditures Thru FY13	Projected FY14 Budget	FY15 THRU FY19 (\$000s)					Total Project Budget
	Description	Project Limits				FY15	FY16	FY17	FY18	FY19	
30021	Systemwide Pavement Rehabilitation										\$4,774
	Pavement rehabilitation on SR 836 & SR 924 to include pavement evaluation, identification and prioritization of repairs as part of the R&R program.	SR 836 / SR 924	Project Development	\$110							\$110
			Final Design	\$556	\$6						\$562
			Construction	\$4,102							\$4,102
			Design/Build								\$0
30024	Systemwide Facilities Upgrades										\$2,374
	Systemwide facilities upgrade to include HVAC and miscellaneous upgrades at the MDX Headquarters building.	Systemwide	Project Development	\$97	\$30						\$127
			Final Design	\$22	\$78						\$100
			Construction	\$400		\$1,746					\$2,146
			Design/Build								\$0
30026	SR 836 Drainage Trough Replacement from NW 57th Ave. to I-95										\$183
	Drainage trough replacement at isolated locations along the SR 836 corridor from NW 57th Avenue to I-95.	NW 57th Avenue to I-95	Project Development								\$0
			Final Design	\$173	\$6						\$180
			Construction	\$3							\$3
			Design/Build								\$0
30028	SR 836 Bridge Rehabilitation from NW 57 Ave. to I-95										\$330
	Perform structural improvements to bridges along the SR 836 corridor from NW 57th Avenue to I-95.	NW 11th Street to I-95	Project Development	\$6							\$6
			Final Design	\$158	\$6						\$164
			Construction	\$160							\$160
			Design/Build								\$0
30029	Systemwide Bridge Rehabilitation and Joint Repairs										\$5,878
	Perform bridge rehabilitation and joint repairs systemwide per the Long-Range R&R Program.	Systemwide	Project Development	\$125	\$75						\$200
			Final Design	\$304	\$73	\$27					\$404
			Construction	\$472		\$4,322	\$480				\$5,274
			Design/Build								\$0
30030	SR 112 Milling, Resurfacing and Misc. Upgrades from NW 21st Street to NW 27th Avenue										\$6,259
	Perform milling and resurfacing along SR 112 mainline and ramps from NW 21st Street to NW 27th Avenue; provide pavement markings, perform sign inventory and upgrade to latest standards, upgrade lighting, perform minor drainage work and develop RRR Report.	NW 21st Street to NW 27th Avenue	Project Development	\$113	\$0						\$113
			Final Design	\$563	\$3						\$566
			Construction	\$12	\$5,066	\$501					\$5,579
			Design/Build								\$0
30031	SR 112 Milling, Resurfacing and Misc. Upgrades from NW 27th Avenue to 12th Avenue										\$6,025
	Perform milling and resurfacing along SR 112 mainline and ramps from NW 27th Avenue to 12th Avenue; provide pavement markings, perform sign inventory and upgrade to latest standards, upgrade lighting, perform minor drainage work and develop RRR Report.	NW 27th Avenue to 12th Avenue	Project Development	\$101	\$0						\$101
			Final Design	\$544	\$0						\$544
			Construction	\$16	\$3,916	\$1,448					\$5,379
			Design/Build								\$0
30033	Systemwide Pavement Markings Rehabilitation (Phase II)										\$815
	Systemwide improvements including installation and replacement of Roadway Pavement Markings (RPM), thermoplastic pavement markings, audible and vibratory pavement markings, rumble strips and high performance tape. Funding includes improvements recommended in FY 2013 to FY 2015 of the Long-Range R&R Program.	Systemwide	Project Development		\$34						\$34
			Final Design		\$85						\$85
			Construction			\$625	\$71				\$696
			Design/Build								\$0
30034	SR 924 Milling & Resurfacing from SR 826 to MM 1.2										\$1,302
	Milling and Resurfacing of SR 924 from SR 826 to Mile Marker 1.2 per the Long-Range R&R Program.	SR 826 to MM 1.2	Project Development			\$81					\$81
			Final Design			\$117					\$117
			Construction				\$1,104				\$1,104
			Design/Build								\$0

MIAMI-DADE EXPRESSWAY AUTHORITY (MDX)

FISCAL YEAR 2015-2019



RENEWAL AND REPLACEMENT PROGRAM

Project Number	Project Name		Phase	Expenditures Thru FY13	Projected FY14 Budget	FY15 THRU FY19 (\$000s)					Total Project Budget	
	Description	Project Limits				FY15	FY16	FY17	FY18	FY19		
30035	SR 924 Light Pole Removal / Installation										\$140	
	Removal and installation of light poles on SR 924 at the Ljeune / Douglas Connector Interchange per the Long-Range R&R Program.	SR 924	Project Development	\$1	\$4						\$5	
			Final Design		\$20						\$20	
			Construction		\$84	\$31					\$115	
			Design/Build								\$0	
30036	SR 836 Overhead Signature Gantries & Sign Structure Coating										\$1,101	
	Coating of overhead signature structures on SR 836 per the Long-Range R&R Program.	137th Ave to NW 87th Avenue	Project Development	\$18	\$44						\$63	
			Final Design								\$0	
			Construction								\$0	
			Design/Build				\$945	\$93				\$1,039
30037	Systemwide Class V Coating (Phase I)										\$2,805	
	Class V Coating of bridges, noise walls, and barrier walls system-wide per the Long-Range R&R Program.	Systemwide	Project Development		\$72						\$72	
			Final Design		\$80	\$240					\$320	
			Construction			\$1,560	\$853				\$2,413	
			Design/Build								\$0	
30038	Systemwide Pavement Markings Rehabilitation (Phase III)										\$1,167	
	Systemwide improvements including installation and replacement of Roadway Pavement Markings (RPM), thermoplastic pavement markings, audible and vibratory pavement markings, rumble strips and high performance tape. Funding includes improvements recommended	Systemwide	Project Development					\$31	\$31		\$63	
			Final Design						\$86		\$86	
			Construction						\$926	\$93	\$1,019	
			Design/Build								\$0	
30039	Systemwide Class V Coating (Phase II)										\$4,138	
	Class V Coating of bridges noise walls and barrier walls system-wide in FY 2017 per the Long-Range R&R Program.	Systemwide	Project Development				\$142				\$142	
			Final Design				\$130	\$318			\$448	
			Construction					\$3,225	\$323		\$3,548	
			Design/Build								\$0	
30040	HVAC Replacement at 97th Avenue and 137th Avenue Tolling Points										\$221	
	HVAC Replacement at 97th Avenue and 137th Avenue Tolling Points	SR 836 to 97th & 137th Avenue	Project Development					\$13			\$13	
			Final Design					\$22			\$22	
			Construction					\$169	\$17		\$186	
			Design/Build								\$0	
30041	Systemwide Lighting Upgrades										\$880	
	Systemwide Lighting Upgrades per the Long-Range R&R Program.	Systemwide	Project Development					\$34			\$34	
			Final Design					\$90			\$90	
			Construction					\$687	\$69		\$756	
			Design/Build								\$0	
			Contingency Cost			\$750					\$750	
RENEWAL AND REPLACEMENT PROGRAM TOTALS					\$8,057	\$9,682	\$12,394	\$2,873	\$4,590	\$1,452	\$93	\$39,140.67