

MIAMI-DADE EXPRESSWAY AUTHORITY (MDX)

FISCAL YEAR 2010-2014

TRANSPORTATION IMPROVEMENT PROGRAM



Project Number	Project Name		Phase	Expenditures Thru FY08	Projected FY09 Budget	FY10 THROUGH FY14 (\$000s)					Total Project Budget	
	Description	Project Limits				FY10	FY11	FY12	FY13	FY14		
11205	Interconnector from MIA to SR 112											
	Identify improvements to LeJeune Road, SR 112, and Iron Triangle Interchange. Develop a master plan for the future direct connection between SR 836 and SR 112 with coordination of right-of-way acquisition with Miami-Dade Transit Authority between NW 25th Street and SR 112 / NW 27th Avenue. Develop final design plans for interim improvements to LeJeune Road.	NW 25th Street/LeJeune Road to SR 112 / NW 27th Avenue	Project Development	\$7,973								\$7,973
			Final Design	\$748	\$103	\$58						\$909
			Right-of-Way	\$25,951	\$516							\$26,468
			Construction									\$0
			Design/Build									\$0
11209	SR 112 Infrastructure Modifications for Open Road Tolling											
	Removal of existing toll plaza, installation of gantries, shelter and signage, and reconstruction of the SR 112 roadway to accommodate highway-speed vehicle traffic for implementation of Open Road Tolling.	NW 17th Avenue to NW 12th Avenue	Project Development			\$102						\$102
			Final Design									\$0
			Construction									\$0
			Design/Build			\$506	\$7,248	\$875				\$8,629
11211			Central Boulevard Reconstruction									
	Includes 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		\$443	\$225						\$668
			Final Design									\$0
			Construction									\$0
			Design/Build			\$20,722	\$51,659	\$29,179				\$101,561
83602			SR 836 Mainline Reconstruction and Connections to MIA									
	Project development and preparation of conceptual Environmental Resource Permit for the future reconstruction of the SR 836 mainline to include Managed Lanes. Reconstruction of interchanges at NW 57th Avenue, NW 45th Avenue and LeJeune Road.	NW 57th Avenue to NW 34th Avenue	Project Development	\$5,772	\$30							\$5,801
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
83603			SR 836 / SR 112 Interconnector									
	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	\$64,759	\$11,002	\$10,807						\$86,568
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
83605			SR 836 Extension from NW 137th Avenue to NW 107th Avenue									
	Construction of a new 4 lane expressway extension on SR 836. Reconstruction of West 137th Avenue from SW 8th Street to NW 12th Street.	NW 137th Avenue to NW 107th Avenue	Project Development	\$5,677								\$5,677
			Final Design									\$0
			Right-of-Way	\$59,117	\$2,376							\$61,492
			Construction									\$0
			Design/Build	\$179,804	\$782							\$180,586
83608	SR 826 / SR 836 Interchange Improvements											
	Includes Design, Construction and Right-of-Way JPA w/ FDOT for partial funding of SR 826 / SR 836 interchange. Refer to FM 249581.	SR 826 Interchange to SR 836	Project Development	\$1,599	\$167	\$167						\$1,932
			Final Design	\$11,035								\$11,035
			Construction		\$10,059	\$10,059	\$25,059	\$25,309	\$25,309	\$25,309		\$197,031
			Design/Build									\$0
83611			SR 836 / I-95 Interchange Environmental Assessment									
	Coordination of operational improvements to SR 836 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	\$1,973	\$120	\$67						\$2,160
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0

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83617	SR 836 Landscaping											
	Landscaping Contract for 83605, 83612, and 83614.	NW 137th Avenue to NW 87th Avenue	Project Development	\$49	\$53							\$102
			Final Design	\$257	\$41							\$298
			Construction	\$3,266	\$1,094	\$895						\$5,254
			Design/Build									\$0
83618	SR 836 Southwest Extension											
	Preparation of concept report and PD&E Study for new expressway extension of SR 836 from NW 137th Avenue to SW 136th Street as part of the MDX Master Plan. Project to be incorporated into the MPO Long Range Transportation Plan.	SW 136th Street to NW 137th Avenue	Project Development	\$1,200	\$809	\$818	\$843	\$869	\$895	\$922		\$6,355
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
83622	SR 836 EB Auxiliary Lane											
	Construction of an additional auxiliary lane on SR 836 to match FDOT's SR 826 / SR 836 Interchange on the west and NW 42nd Avenue on the east, including SR 836 Contra-Flow Lane Study.	SR 826 / SR 836 Interchange to NW 42nd Avenue	Project Development	\$694	\$97							\$791
			Final Design									\$0
			Construction									\$0
			Design/Build	\$1	\$869	\$19,180	\$9,795					\$29,845
83624	SR 836 Infrastructure Modifications for Open Road Tolling											
	Removal of existing toll plaza, installation of gantries, shelter and signage, and reconstruction of the SR 836 roadway to accommodate highway-speed vehicle traffic for implementation of Open Road Tolling.	NW 22nd Avenue to NW 17th Avenue	Project Development			\$36	\$204	\$66				\$306
			Final Design									\$0
			Construction									\$0
			Design/Build						\$14,335	\$10,993		\$27,277
83625	SR 836 Emergency Ramp											
	Design and construction of access ramp from 107th Avenue to the MDX SR 836 Extension for exclusive use of emergency vehicles.	NW 107th Avenue to SR 836	Project Development		\$74							\$74
			Final Design			\$248						\$248
			Construction			\$1,225	\$1,876					\$3,101
			Design/Build									\$0
83627	SR 836 Express Bus Service Study											
	Study of current conditions and needed improvements for potential development of express bus service along the SR 836 outside shoulders in the eastbound and westbound directions; with potential park and ride lots at selected locations in coordination with Miami-Dade Transit.	NW 137th Avenue to 1-95	Project Development	\$13	\$13	\$3						\$28
			Final Design									\$0
			Right-of-Way		\$68	\$14						\$82
			Construction									\$0
			Design/Build									\$0
83628	SR 836 Auxiliary Lanes and Interchange Improvements											
	Project development for the construction of SR 836 Eastbound Auxiliary Lane from 42nd Ave. to 17th Ave.; SR 836 Westbound additional lanes from 27th Ave. to 57th Ave. and improvements to the SR 836/LeJeune Interchange as well as to the SR 836/27th Ave. Interchange.	27th Avenue to 57th Avenue	Project Development		\$1,180	\$846						\$2,026
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
83629	SR 836 Interchange Modifications at 87th Avenue											
	Reconstruction of the SR 836 Mainline and NW 87th Avenue Interchange to enhance operations.	SR 836 to 87th Avenue	Project Development		\$449	\$232						\$681
			Final Design			\$2,613	\$3,987					\$6,600
			Construction									\$0
			Design/Build									\$0
87404	SR 874 / Killian Parkway Interchange											
	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 and installation of sound barrier walls.	Homestead Extension of Florida Turnpike to Kendall Drive	Project Development	\$1,697								\$1,697
			Final Design	\$9,210	\$160							\$9,370
			Right-of-Way	\$580	\$24							\$604
			Construction	\$366	\$15,010	\$33,853	\$19,795	\$2,901				\$71,925
			Design/Build									\$0

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87407	SR 874 NB On-Ramp from Kendall Drive										
	Northbound ramp from Kendall Drive to SR 874.	Kendall Drive to SW 72nd Street	Project Development	\$745							\$745
			Final Design	\$3,231	\$12						\$3,243
			Construction	\$30,825	\$7,805						\$38,630
			Design/Build								\$0
87409	SR 874 Mainline Reconstruction										
	Reconstruction and modification of SR 874 mainline from Kendall Drive to SR 826 including the SR 874 / SR 878 interchange. Preparation of noise analysis report. Modifications to the SR 874 and 72nd Street Interchange.	Kendall Drive to SR 826	Project Development	\$632	\$135						\$767
			Final Design		\$3,169	\$5,963	\$483				\$9,615
			Construction				\$58,622	\$33,848			\$92,470
			Design/Build								\$0
87410	SR 874 Ramp Connector										
	Project development and preparation of concept report and PD& E Study for a connection from SR 874 to SW 136th Street as part of the MDX Master Plan and the MPO Long Range Transportation Plan.	SW 136th Street to SR 874	Project Development	\$846	\$566	\$467	\$131				\$2,011
			Final Design								\$0
			Construction								\$0
			Design/Build								\$0
87411	SR 874 / SR 826 Interchange Improvements										
	JPA with FDOT to contribute monies towards the reconstruction of the SR 874 / SR 826 Interchange to facilitate the construction of MDX Project 87409.	North of SR 874 / 826 Interchange to South of SR 874 / 826 Interchange	Project Development	\$7	\$117	\$13					\$138
			Final Design								\$0
			Right-of-Way								\$0
			Construction		\$30,008	\$15,001	\$15,001				\$60,010
			Design/Build								\$0
87412	SR 874 Infrastructure Modifications for Open Road Tolling										
	Installation of gantries, shelter and signage for implementation of Open Road Tolling.	Homestead Extension of Florida Turnpike to SR 826	Project Development		\$166	\$18					\$185
			Final Design								\$0
			Construction								\$0
			Design/Build		\$369	\$6,442	\$691				\$7,503
87801	SR 878 Infrastructure Modifications for Open Road Tolling										
	Installation of gantries, shelter and signage for implementation of Open Road Tolling.	SR 874 to U.S. 1	Project Development	\$0	\$126						\$126
			Final Design								\$0
			Construction								\$0
			Design/Build		\$252	\$4,393	\$472				\$5,117
92404	SR 924 Extension West to the Homestead Extension of the Florida's Turnpike										
	Project development and preparation of concept report and PD&E Study 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.	SR 826 to Homestead Extension of Florida Turnpike	Project Development	\$340	\$631	\$977	\$728	\$128			\$2,805
			Final Design								\$0
			Construction								\$0
			Design/Build								\$0
92405	SR 924 Infrastructure Modifications for Open Road Tolling										
	Removal of existing toll plaza, installation of gantries, shelter and signage, and reconstruction, milling and resurfacing of the SR 924 roadway to accommodate highway-speed vehicle traffic for implementation of Open Road Tolling. Also includes milling, resurfacing and misc. upgrades from NW 57th to 27th Avenues.	57th Avenue to 27th Avenue	Project Development	\$265	\$352						\$616
			Final Design	\$174							\$174
			Right-of-Way								\$0
			Construction		\$353						\$353
			Design/Build		\$817	\$18,017	\$9,178				\$28,013
92407	SR 924 Extension East to I-95										
	Preparation of PD&E Study for a new expressway extension from SR 924 east to I-95 as part of the MDX Master Plan and the MPO Long Range Transportation Plan.	NW 42nd Avenue to I-95	Project Development		\$404	\$900	\$547	\$96			\$1,947
			Final Design								\$0
			Construction								\$0
			Design/Build								\$0

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20002	Systemwide Planning											
	Systemwide planning studies.	Systemwide	Project Development	\$583	\$751	\$755						\$2,089
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
20003	U.S. 1 Managed Lanes											
	Preparation of PD&E Study to convert existing Busway into Managed Lane facility as part of the MDX Master Plan. Project to be incorporated into the MPO Long Range Transportation Plan.	SW 344 Street to SW 88 Street	Project Development	\$81	\$160	\$499	\$725	\$542	\$206			\$2,214
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
10006	MDX Remote Command Center											
	Procurement and installation of hardware equipment and software for collocating the operations of the MDX Remote Command Center with FDOT's SunGuide including provisions for general oversight and reporting at MDX headquarters.	MDX Headquarters	Project Development	\$232	\$20							\$252
			Final Design									\$0
			Construction									\$0
			Design/Build	\$962	\$483							\$1,445
10007	SR 112 Communications and Incident Mgmt. /Surveillance											
	Install communications system integrating FDOT and Miami-Dade County systems with MDX system. Install incident management and traffic surveillance equipment to SR 112.	Miami International Airport to I-95	Project Development	\$265								\$265
			Final Design									\$0
			Construction									\$0
			Design/Build	\$1,082	\$2,964	\$1,096						\$5,142
10009	SR 924 Communications and Incident Mgmt. /Surveillance											
	Install communications system integrating FDOT system with MDX system. Install incident management and traffic surveillance equipment to SR 924.	SR 826 to NW 27th Avenue	Project Development	\$260								\$260
			Final Design									\$0
			Construction									\$0
			Design/Build	\$1,736	\$2,633	\$974						\$5,342
10010	SR 874 / SR 878 Communications and Incident Mgmt. /Surveillance											
	Install communications system integrating SR 874 / SR 878 to Miami-Dade County system along U.S. 1. Install incident management and traffic surveillance equipment to SR 874 / SR 878.	SR 874 to U.S. 1	Project Development	\$173								\$173
			Final Design									\$0
			Construction									\$0
			Design/Build	\$1,257	\$2,725	\$1,008						\$4,991
10012	Open Road Tolling (ORT) Master Plan & Community Outreach											
	Development of ORT Master Plan to establish the phased implementation plan for the deployment of open road tolling systemwide, including community outreach efforts and the procurement of system integration services for systemwide implementation.	Systemwide	Project Development	\$1,861	\$724							\$2,584
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
10013	SR 924 Toll System Conversion											
	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		\$174	\$2,729						\$2,903
10014	SR 878 Toll System Conversion											
	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				\$1,467	\$345				\$1,812

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10015	SR 874 Toll System Conversion											
	SR 874 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	SR 826 to Homestead Extension of Florida Turnpike	Project Development								\$0	
			Final Design								\$0	
			Construction								\$0	
			Design/Build		\$2,968	\$697					\$3,665	
10016	SR 112 Toll System Conversion											
	SR 112 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	LeJeune Road to I-95	Project Development								\$0	
			Final Design								\$0	
			Construction								\$0	
			Design/Build					\$3,626			\$3,626	
10017	SR 836 Toll System Conversion											
	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						\$13,897		\$13,897	
10018	Systemwide Open Road Tolling Hardware/Software Development											
	Development of systemwide hardware and software and enhancements to the violation enforcement system to accommodate requirements from Open Road Tolling.	Systemwide	Project Development								\$0	
			Final Design								\$0	
			Construction								\$0	
			Design/Build		\$431	\$1,727	\$3,788	\$2,930	\$1,959		\$10,835	
	Contingency Cost				\$2,000	\$3,800					\$5,800	
TRANSPORTATION IMPROVEMENT PROGRAM TOTALS					\$427,294	\$103,886	\$171,891	\$211,874	\$100,369	\$56,601	\$37,224	\$1,187,015