

MIAMI-DADE EXPRESSWAY AUTHORITY (MDX)

FISCAL YEAR 2011-2015

TRANSPORTATION IMPROVEMENT PROGRAM



Project Number	Project Name		Phase	Expenditures Thru FY09	Projected FY10 Budget	FY11 THROUGH FY15 (\$000s)					Total Project Budget
	Description	Project Limits				FY11	FY12	FY13	FY14	FY15	
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	\$755	\$107	\$48					\$909
			Right-of-Way	\$26,044	\$424						\$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 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 17th Avenue to NW 12th Avenue	Project Development		\$208	\$77					\$284
			Final Design			\$538	\$53				\$591
			Construction				\$7,199				\$7,199
			Design/Build								\$0
11211	Central Boulevard Reconstruction										
	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	\$253	\$415						\$668
			Final Design								\$0
			Construction								\$0
			Design/Build		\$1,641	\$24,137	\$35,861	\$23,724			\$85,363
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. Purchase of right-of-way to facilitate drainage requirements.	NW 57th Avenue to NW 34th Avenue	Project Development	\$5,787	\$15						\$5,801
			Final Design								\$0
			Right-of-Way		\$1,985						\$1,985
			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	\$75,759	\$10,809						\$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	\$60,397	\$2,000						\$62,396
			Construction								\$0
			Design/Build	\$179,941							\$179,941
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	\$1,653	\$279						\$1,932
			Final Design	\$11,035							\$11,035
			Construction	\$14	\$10,069	\$15,069	\$25,069	\$25,069	\$25,069	\$25,069	\$197,031
			Design/Build								\$0

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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	\$2,089	\$464	\$95					\$2,648
			Final Design								\$0
			Construction								\$0
			Design/Build								\$0
83617	SR 836 Landscaping										
	Landscaping Contract for 83605, 83612, and 83614.	NW 137th Avenue to NW 87th Avenue	Project Development	\$92	\$28						\$120
			Final Design	\$276	\$21						\$298
			Construction	\$4,461	\$775						\$5,236
			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 and the MPO Long Range Transportation Plan.	SW 136th Street to NW 137th Avenue	Project Development	\$1,361	\$549	\$1,591	\$1,871	\$1,325	\$554		\$7,251
			Final Design								\$0
			Construction								\$0
			Design/Build								\$0
83622	SR 836 EB Auxiliary Lane										
	Design and construction of an eastbound auxiliary lane along SR 836 from west of NW 57th Ave to NW 42 Ave.	SR 826 / SR 836 Interchange to NW 42nd Avenue	Project Development	\$943							\$943
			Final Design								\$0
			Construction								\$0
			Design/Build	\$427	\$11,881	\$8,604					\$20,912
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		\$63	\$288					\$351
			Final Design				\$724				\$724
			Construction					\$12,355	\$7,144		\$19,499
			Design/Build								\$0
83625	SR 836 Emergency Ramp										
	Design and construction of emergency access ramp from west of NW 107th Avenue westbound to SR 836 Extension. Includes emergency vehicle opening between 127th and 137th Avenues.	NW 107th Avenue to SR 836	Project Development	\$16	\$74						\$90
			Final Design		\$253	\$137					\$390
			Construction			\$1,052	\$2,601				\$3,654
			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 I-95	Project Development	\$90	\$192	\$108					\$390
			Final Design								\$0
			Right-of-Way	\$15	\$12						\$27
			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 27th 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	\$317	\$2,165	\$1,227					\$3,709
			Final Design				\$7,363	\$1,508			\$8,871
			Construction								\$0
			Design/Build								\$0

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83629	SR 836 Interchange Modifications at 87th Avenue											
	Reconstruction of the SR 836 Mainline and NW 87th Avenue Interchange to 500 feet west of NW 82nd Avenue.	SR 836 West of 82nd Avenue to 87th Avenue	Project Development	\$109	\$474	\$97						\$681
			Final Design			\$2,613	\$3,987					\$6,600
			Construction									\$0
			Design/Build									\$0
83630	SR 836 and NW 14 Street Interchange Improvements											
	Widening of Westbound Exit Ramp at NW 14th Street and SR 836.	SR 836 at NW 14 Street	Project Development		\$31							\$31
			Final Design		\$25	\$75						\$99
			Right-of-Way			\$10						\$10
			Construction			\$476	\$256					\$732
			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's Turnpike to Kendall Drive	Project Development	\$1,697								\$1,697
			Final Design	\$9,282	\$84							\$9,366
			Right-of-Way	\$582	\$22							\$604
			Construction	\$25,425	\$22,018	\$22,486	\$2,342					\$72,272
			Design/Build									\$0
87409	SR 874 Mainline Reconstruction											
	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	\$0							\$825
			Final Design	\$193	\$4,324	\$886						\$5,403
			Construction			\$34,017	\$51,927					\$85,944
			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	\$992	\$950	\$534						\$2,477
			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	Project Development	\$9	\$107	\$22						\$138
		South of SR 874 / 826 Interchange	Final Design									\$0
			Construction	\$30,000	\$15,005	\$15,005						\$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 on SR 874.	Homestead Extension of Florida's Turnpike to SR 826	Project Development	\$121								\$121
			Final Design	\$9	\$82							\$91
			Construction		\$170							\$170
			Design/Build	\$22	\$2,624	\$829						\$3,475
87801	SR 878 Infrastructure Modifications for Open Road Tolling											
	Installation of gantries, shelter and signage for implementation of Open Road Tolling on SR 878.	SR 874 to U.S. 1	Project Development	\$108								\$108
			Final Design	\$7	\$64							\$72
			Construction		\$141							\$141
			Design/Build	\$22	\$2,090	\$660						\$2,772

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92404	SR 924 Extension West to the Homestead Extension of the Florida 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's Turnpike	Project Development	\$700	\$1,147	\$1,324	\$471					\$3,642
			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	\$637								\$637
			Final Design	\$209	\$63							\$271
			Construction	\$352	\$374							\$726
			Design/Build	\$55	\$11,843	\$8,576						\$20,473
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	\$253	\$1,386	\$1,611	\$585					\$3,835
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
20001	Connect 4 Xpress											
	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 112 to SR 924	Project Development	\$784	\$100	\$397	\$4,770	\$3,965	\$967			\$10,982
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
20002	Systemwide Planning											
	Systemwide planning studies.	Systemwide	Project Development	\$1,619	\$376	\$94						\$2,089
			Final Design									\$0
			Construction									\$0
			Design/Build									\$0
20003	U.S. 1 Express Lanes											
	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	\$192	\$2,143	\$3,314	\$1,770					\$7,418
			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. Upgrades to MDX Headquarter's Server room.	MDX Headquarters	Project Development	\$232								\$232
			Final Design									\$0
			Construction		\$480							\$480
			Design/Build		\$984	\$0						\$985
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		\$3,783	\$1,454						\$5,237

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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	\$4,797	\$652						\$5,449
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	\$3,733	\$1,669						\$5,402
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	\$24	\$2,906	\$434					\$3,365
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		\$1,449	\$216					\$1,665
10015	SR 874 Toll System Conversion										
	SR 874 toll system conversion from the existing toll collection system to an Open Road Tolling (ORT) system.	Homestead Extension of Florida's Turnpike SR 826	Project Development								\$0
			Final Design								\$0
			Construction								\$0
			Design/Build		\$2,771	\$875					\$3,645
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				\$2,448	\$366			\$2,814
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				\$857	\$4,442	\$2,494		\$7,794
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	\$722	\$8,693	\$2,745					\$12,159

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10019	Systemwide Implementation of Dynamic Message Signs (DMS)										
	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	\$109	\$56						\$166
			Final Design								\$0
			Construction								\$0
			Design/Build			\$1,365	\$5,886	\$1,280			
10020	ITS Master Plan										
	Development/update of ITS Master Plan to identify future use of technology, benefits of ITS applications for operational improvements, perform local and regional ITS system analysis and prepare an interagency communications plan.	NW 137th Avenue to I-95	Project Development	\$172	\$185						\$357
			Final Design								\$0
			Construction								\$0
			Design/Build								\$0
			Contingency Cost	\$600	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,600
TRANSPORTATION IMPROVEMENT PROGRAM TOTALS				\$474,552	\$131,024	\$156,872	\$156,041	\$74,034	\$36,228	\$25,069	\$1,125,424