

# **INITIAL RECOMMENDATIONS**

## **APRIL 2010 APPLICATIONS TO AMEND THE COMPREHENSIVE DEVELOPMENT MASTER PLAN**

**FOR MIAMI-DADE COUNTY, FLORIDA**



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INITIAL  
RECOMMENDATIONS

APRIL 2010 APPLICATIONS TO AMEND THE  
COMPREHENSIVE DEVELOPMENT MASTER PLAN

August 25, 2010

Miami-Dade County Department of Planning and Zoning  
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## **INTRODUCTION**

This report contains the Department of Planning and Zoning's (DP&Z) initial recommendations addressing applications to amend the Comprehensive Development Master Plan (CDMP), which were filed for consideration during the April 2010 Plan Amendment Review Cycle. A total of five (5) applications were filed during the April 2010 filing period; two Land Use Plan map applications by private parties (Application Nos. 1 and 2), and three text applications (Application Nos. 3, 4 and 5) by the Miami-Dade County Department of Planning and Zoning (DP&Z). An additional text amendment (Application No. 6) was filed by DP&Z and included in this report. Application No. 1 was withdrawn by the applicant. Application No. 2 was removed from the cycle. Therefore, the report contains the recommendations for the remaining four applications with their necessary corresponding background information and analyses upon which the recommendations are based.

### **Application Review Process and Schedule of Activities**

Following is a summary of the Plan review, amendment activities and schedule that will be followed by this cycle to comply with the CDMP procedural requirements contained in Section 2-116.1, Code of Miami-Dade County and State law. The Schedule of Activities on page vi lists the principal activities that will occur under this process and indicates the timeframes for those activities in accordance with the State requirements and the County Code.

For this amendment cycle, the application filing period extended from April 1 through April 30, 2010. Miami-Dade County's adopted procedures allow for the filing of requests to amend all provisions of the CDMP at this time.

The CDMP amendment process involves two phases. The first phase occurs between the time applications are filed and the time the Board of County Commissioners (Board) conducts its first hearing and takes action to transmit standard applications to the Florida Department of Community Affairs (DCA) and other associated State agencies for possible review and comment, and/or adopt eligible small-scale Land Use Plan (LUP) map amendments on an expedited schedule. Also in this first phase, the County may adopt its annual update to the Capital Improvement Element (CIE) of the CDMP and transmit it to DCA on an expedited schedule. During the first phase, affected and neighboring property owners are notified of the nearby LUP map amendment requests. Section 2-116.1 authorizes Community Councils to conduct public hearings and issue recommendations on applications that directly affect their areas. These hearings must be held before the Planning Advisory Board (PAB), acting as the County's "Local Planning Agency", and the Board. However, no community council hearings will be held as there are no LUP map applications remaining in this April 2010 Cycle, as stated above.

The DP&Z will submit its initial recommendations to the PAB regarding each requested change, no later than August 25, 2010. The PAB is scheduled to hold a public hearing on October 4, 2010 to receive comments and recommendations on the proposed amendments, and to formulate recommendations to the Board regarding adoption of the CIE Annual Update and the transmittal to DCA of the standard amendments. The Board is currently scheduled to hold a public hearing on November 3, 2010 to take final action on the CIE Annual Update, and to consider transmittal of the other requested amendments to DCA. "Transmittal" of a proposed amendment to the State for initial review does not constitute adoption of requested amendments.

The second phase of the review, addressing the standard applications, begins after transmittal of the applications to the DCA and associated State agencies. The CDMP amendment procedures in Section 2-116.1 of the County Code provide that the DCA will be requested by the County to review and comment on all transmitted amendment proposals. The DCA is expected to return comments addressing all transmitted amendment proposals in February 2011, approximately within 75 days of the transmittal date. The PAB will then conduct its final public hearing(s) within 30 days after receiving comments from the DCA. No later than 60 days after receiving comments from the DCA, the Board could conduct a public hearing and take final action on the applications. During the DCA review period, the DP&Z will also review comments received at the transmittal hearings and any additional submitted material and may issue a "Revised Recommendations" report reflecting any new information prior to the final public hearings. Final action by the Board will be to adopt, adopt with change, or not adopt each of the transmitted applications.

Outside this regular CDMP amendment process, requests to amend the CDMP can be made by the Board under a special amendment process, or by a party having an application undergoing the Development of Regional Impact (DRI) process requesting a concurrent amendment to the CDMP. Procedures for processing such special or DRI-related amendments are established in Section 2-116.1 of the Miami-Dade County Code.

### **Capital Improvements Element (CIE) Amendment**

The CIE Annual Update may be adopted by a local government with only one public hearing. Thus, the Board of County Commissioners may adopt this amendment (Application No. 3) at the public hearing on November 3, 2010. Under this expedited process, the local government does not transmit the annual update as a proposed amendment and the DCA does not issue an Objections, Recommendations and Comments report. Instead, the local government simply adopts the CIE Annual Update at a duly noticed public hearing, sends the adopted application to the DCA, and the DCA publishes a Notice of Intent after conducting a compliance review.

### **Additional Information**

Anyone having questions regarding any aspect of the CDMP review and amendment process should visit or call the Metropolitan Planning Section of the Miami-Dade County Department of Planning and Zoning at 111 NW 1st Street, Suite 1220; Miami, Florida 33128-1972; telephone 305/375-2835.

TABLE 1  
SCHEDULE OF ACTIVITIES  
APRIL 2010 CDMP AMENDMENT CYCLE

Pre-application Conference for the Private Sector	March 1- March 30, 2010
Application Filing Period	April 1- April 30, 2010
Deadline to withdraw Application and obtain Return of Full Fee. Notify applicant of deficiencies.	May 7, 2010
Deadline for resubmittal of unclear or incomplete Applications	Seventh business day after Notice of deficiency
Applications Report published by DP&Z	June 7, 2010
Deadline for submitting Technical Reports	June 30, 2010
Deadline for submitting Declarations of Restrictions to be considered in the Initial Recommendations Report	July 28, 2010
Initial Recommendations Report released by DP&Z	August 25, 2010
Planning Advisory Board (PAB), acting as Local Planning Agency (LPA), Public Hearing to formulate Recommendations regarding Adoption of Small-Scale Amendments and Capital Improvements Element update; and Transmittal of Standard Amendment requests to DCA	October 4, 2010* County Commission Chamber 111 NW 1st Street Miami, Florida 33128
Board of County Commissioners Hearing and Action on Adoption of Small-Scale Amendment and Capital Improvements Element update; and Transmittal of Standard Amendment requests to DCA	November 3, 2010* County Commission Chamber 111 NW 1 Street Miami, Florida 33128
Transmittal to DCA for State review	November, 2010**
Deadline for Filing Supplementary Reports by the Public	Forty-five (45) days after Commission transmittal hearing
Receipt of DCA Objections, Recommendations and Comments (ORC) report	February, 2011** (Approximately 75 days after transmittal)
Public Hearing and Final Recommendations: Planning Advisory Board (Local Planning Agency)	Specific date(s) to be set in March, 2011* (Within 30 days after receipt of DCA ORC report)
Public Hearing and Final Action on Applications: Board	Specific date(s) to be set in April, 2011* (No later than 60 days after receipt of DCA ORC report)

Note: \* Date is subject to change. All hearings will be noticed by newspaper advertisement.  
\*\* Estimated Date.

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**Summary of Initial Recommendations**  
**April 2010 Applications to Amend the Comprehensive Development Master Plan for Miami-Dade County, Florida**  
**August 25, 2010**

<b>Application Number/Type</b>	<b>Location/Acreage/Requested Amendment</b>	<b>BCC District/Commissioner</b>	<b>DP&amp;Z Initial Recommendation August 25, 2010</b>	<b>Local Planning Agency Recommendation October 4, 2010</b>	<b>BCC Recommendation November 3, 2010</b>
3/ Standard	<p>Miami-Dade County Department of Planning and Zoning/Marc C. LaFerrier, AICP, Director</p> <p><u>Update to the Capital Improvements Element</u></p> <p>Tables of Proposed Projects. Modify the following currently adopted tables as indicated in the application and related information: Table 2, Aviation; Table 3, Coastal Management; Table 4, Conservation; Table 5, Drainage; Table 6, Park and Recreation; Table 7, Seaport; Table 8, Sewer Facilities; Table 9, Solid Waste Management; Table 10, Traffic Circulation; Table 11, Mass Transit; and Table 12, Water Facilities.</p>	Countywide	Adopt		
4/ Standard	<p>Miami-Dade County Department of Planning and Zoning/Marc C. LaFerrier, AICP, Director</p> <p><u>Amendment to the CDMP</u></p> <p>Add A New Optional Community Health And Design Element</p>	Countywide	Adopt and Transmit		
5/ Standard	<p>Miami-Dade County Department of Planning and Zoning/Marc C. LaFerrier, AICP, Director</p> <p><u>Amendment to the Land Use Element</u></p> <p>Revise the Open Land Subarea 4 (East Everglades Residential Areas) text on Page I-63 of the Land Use Element to include agriculture production and limited raising of livestock in the list of allowable uses.</p>	Countywide	Adopt With Change and Transmit		

<b>Application Number/Type</b>	<b>Location/Acreage/Requested Amendment</b>	<b>BCC District/Commissioner</b>	<b>DP&amp;Z Initial Recommendation August 25, 2010</b>	<b>Local Planning Agency Recommendation October 4, 2010</b>	<b>BCC Recommendation November 3, 2010</b>
6/ Standard	<p>Miami-Dade County Department of Planning and Zoning/Marc C. LaFerrier, AICP, Director</p> <p><u>Amendment to the Land Use Element</u></p> <p>Add a new text section to allow Bed and Breakfast Lodgings in all residential community land use categories.</p>	Countywide	Adopt and Transmit		

Source: Miami-Dade County Department of Planning and Zoning

Notes: NA: Not Applicable; Du/ac: Dwelling units per gross acre; DP&Z: Department of Planning and Zoning; BCC: Board of County Commissioners



# Application No. 3

## TEXT AMENDMENT

### APPLICATION SUMMARY

Applicant/Representative:	Miami-Dade County Department of Planning and Zoning / Marc C. LaFerrier, AICP, Director
Element(s) to be Amended	CAPITAL IMPROVEMENTS ELEMENT
Requested Text Changes	<p>In the CIE Schedules of Improvements--Tables of Proposed Projects. Modify the following currently adopted tables as indicated in the application and related information: Table 2, Aviation; Table 3, Coastal Management; Table 4, Conservation; Table 5, Drainage; Table 6, Park and Recreation; Table 7, Seaport; Table 8, Sewer Facilities; Table 9, Solid Waste Management; Table 10, Traffic Circulation; Table 11, Mass Transit; and Table 12, Water Facilities.</p> <p>Revise any other summary table or related text in the Capital Improvements Element as necessary to be consistent with the additions, deletions, or changes made by Part A of this application.</p> <p>Revise the Introduction and Implementation Schedules of Improvements to adopt by reference the 2010 Transportation Improvement Plan (TIP), plus the 2010 Miami-Dade Public Schools Facilities Work Program and to provide definitions of future growth and existing deficiencies</p>
Amendment Type:	Standard Amendment – Only One Hearing Required

### RECOMMENDATIONS

Staff:	<b>ADOPT</b> (August 25, 2010)
Planning Advisory Board (PAB) acting as Local Planning Agency:	<b>To Be Determined</b> (October 4, 2010)
Board of County Commissioners:	<b>To Be Determined</b> (November 3, 2010)

Staff recommends: **ADOPT** the proposed text amendment for the following reasons:

1. The tables presenting the proposals to update the schedules of programmed improvements in the Capital Improvements Element (CIE) appear on the following pages. The schedule for preparing these proposals is necessitated by the need to coordinate the preparation and update of the CDMP CIE and the production of the County's Capital Budget and Multi-Year Capital Plan, in particular, the formulation of the County Manager's proposed budget, which was published in July. The schedule for publishing April cycle CDMP amendment Applications reports precedes the schedule for preparing the capital budget. Thus, the updated tables of CIE projects are not finalized at the time of printing of the Applications report and are presented in this report. The recommended tables (Table Nos. 2 through 12) reflect the proposed budget.
2. In accordance with Chapter 163, Part II, Florida Statutes as modified by the Growth Management Act of 2005, the addition or deletion of projects, along with the deferral or delay the dates of construction projects, in the Schedules of Improvements of the (CIE), must be accomplished by Plan amendment. The identification of a change in the scheduled date of construction of a project in a Plan amendment is a new requirement of the Growth Management Act. Previously this change could be accomplished by adopting an ordinance. Changes to the Schedules of Improvements that do not require an amendment but may be adopted by ordinance and transmitted to the Florida Department of Community Affairs (DCA) for record keeping purposes only include the following: a) corrections and modifications concerning costs of a project already included in the adopted schedule; b) corrections and modifications concerning revenue sources; and c) acceptance of facilities pursuant to dedications, which are consistent with the plan.

As conditions and priorities in the community change, the programs of capital facilities for the respective functional areas require modification. The requested changes contained in the application were initiated by the various operating departments and include, when necessary, adjustments to the scheduling, project costs, or revenue levels and sources.

3. There are numerous reasons why operating departments propose to add or delete projects or defer or delay the dates of construction projects. Generally they do so in following their department's capital improvements strategy, which, in turn, is driven, by their functional plans and the associated element(s) of the CDMP. Most often, projects are added as needed and deleted as they are finished or are no longer needed. The scheduled date of construction of capital projects is the time construction commences or the completion date. Both the start and completion dates are essential for determining if the CDMP and maintenance of Level of Service standards are financially feasible.
4. The Department is recommending additional changes to the Schedules of Improvements to reflect state laws and regulations. To meet the requirements of Section 163.3177(3)(a) 6 of the Florida Statutes (F.S.), the projects of the Florida Department of Transportation, Turnpike Enterprise and the Miami-Dade Expressway Authority, which are in the Transportation Improvement Program for Fiscal Years 2010/2011 to 2014/2015 (TIP) of the Metropolitan Planning Organization (MPO) for the Miami Urbanized Area and are relied on to ensure concurrency and financial feasibility, must be added to the schedule for traffic circulation. The local comprehensive plan, such as the CDMP, is now required to demonstrate financial feasibility. Rule 9J-5.016(4)(a)1.b of the Florida Administrative Code (F.A.C.) requires that the schedules demonstrate consistency with the individual elements of the comprehensive plan. The Schedules of Improvements has been revised to incorporate these changes.

5. The Department is also providing additional information to DCA in regard to committed and planned revenues to fund the Schedule of Improvements for the Capital Improvements Element. A Capital Revenue Summary by Source and a list of the relevant enforceable development agreements to finance projects funded by "Developer Fees/Donations" is included as part of this application.

## **Requested Text Amendments**

- A. In the CIE Schedules of Improvements--Tables of Proposed Projects, modify the following currently adopted tables as indicated in the attached tables: Table 2- Aviation; Table 3- Coastal Management; Table 4-Conservation; Table 5-Drainage; Table 6-Park and Recreation; Table 7-Seaport; Table 8-Sewer Facilities; Table 9-Solid Waste Management; Table 10-Traffic Circulation; Table 11-Mass Transit; and Table 12-Water Facilities
- B. Proposed additions are listed under the heading "Proposed Additions, April 2010 CDMP Amendment Cycle". Proposed deletions are indicated by strike through and footnoted accordingly. All other Proposed Projects already exist in the CIE and remain essentially unchanged.
- C. Revise any other summary table or related text in the Capital Improvements Element as necessary to be consistent with the additions, deletions, or changes made by Part A of this application.
- D. Revise the next to last paragraph in the Introduction on pages IX-1 and IX-2 as follows<sup>1</sup>:

Since Miami-Dade County has a large and sophisticated Capital Budget and Multi-Year Capital Plan, it is not necessary for the CIE to contain detailed financial analysis. The capital improvements contained in the CIE are a subset of the County's Capital Plan and the financial analysis contained therein is incorporated by reference in the CIE. Capital improvements associated with the construction of primary state highways, the turnpike and expressways are not addressed in the County's Capital Budget and Multi-Year Capital Plan but rather are the responsibility of the Florida Department of Transportation and the Miami-Dade Expressway Authority. To address the financial feasibility of non-county roadways that are needed to meet LOS requirements the most recent adopted Transportation Improvement Program for Fiscal Years ~~2009/2010-2011~~ to ~~2013/2014~~2010/2011-2015/2016 (TIP) of the Metropolitan Planning Organization for the Miami Urbanized Area (MPO), specifically the sections on Primary State Highways, Turnpike Enterprise and Miami-Dade Expressway Authority, will be incorporated by reference into the CIE.

- E. Revise the Implementation Schedules of Improvements on page IX-21 as follows:

The following pages deal with the implementation of the CIE. The capital projects forthcoming from each functional element are listed for the period ~~2009/2010-2014/2015~~ 2010/2011-2015/2016 along with the cost, location, expected revenues and funding source. These are the latest schedules of projects, which have been adjusted to incorporate changes adopted by the County Commission through the April ~~2009/10~~ amendment review cycle. Additionally, those capital improvements for non-county

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<sup>1</sup> Underlined words are proposed additions. ~~Strike through~~ words are proposed deletions. All other words exist in the Plan and will remain unchanged.

roadways, as listed in the Transportation Improvement Program for Fiscal Years 2009~~10~~/2010~~11~~ to 2013~~4~~/2014~~5~~ (TIP) and approved by the Metropolitan Planning Organization (MPO) for the Miami Urbanized Area on ~~May 28, June 17, 2009~~10 are incorporated by reference into the CIE. Furthermore, those capital improvements for educational facilities, as listed in the Miami-Dade County Public Schools Facilities Work Program dated September 2009~~10~~ and adopted by the Miami-Dade School Board, are incorporated by reference into the CIE.

Preceding a section containing the project listings is a section containing brief narratives which describe current local practices for the particular services, presents level of service standards, if any, and discusses how capital investments are prioritized. The relationship to the Land Use Element is indicated and operating cost implications are set forth, where applicable. In all instances, project and other cost figures originate with operational departments, which have direct responsibility for, and experience in, the functional area. The basis for their cost estimates range from actual bid prices to application of standard formulae for deriving such estimates.

The capital improvements identified herein are all derived from the functional elements and fall into three categories. First, there are those projects arising from the individual elements LOS standards. These are further subdivided into those meeting existing deficiencies, those accommodating growth, or simply replacement projects. A project meets existing deficiency in an area if it provides capacity improvements necessary to satisfy LOS requirements for the current population and/or service demands. A project addresses future growth in an area if it provides capacity improvements necessary to satisfy LOS requirements for the future based on growth assumptions regarding population and/or service demands. Often, a project is a combination of deficiency correction and future capacity addition. Another class of projects has their basis in the objectives and policies of a functional element and do not have definitive LOS standards. Finally, a few projects are included which are required to mitigate unsafe or hazardous conditions. In all instances, the schedules of improvements are consistent with the individual elements.

### **Capital Improvements Element Schedule Modifications**

During each CDMP amendment cycle, some or all of the CDMP's schedules of capital improvements may be proposed for revision for a variety of reasons. During the April cycle, typically all schedules are revised. This section briefly outlines the functional capital facility programs proposed for amendment this cycle, and explains the more significant proposed amendments recommended for approval in 2010.

The FY 2009-10 Capital Improvements Element (CIE) adopted in December 2009 contained 494 active projects with a total cost of \$17.85 billion. The largest expenditures are for Water and Sewer facilities with 47.0 percent of the total, followed by Transit-related projects with 18.9 percent. Aviation makes up another 14.9 percent, Highways and roads 7.3 percent, Seaport close to 5.3 percent, and Park and Recreation just under 3.6 percent of total programmed expenditures. Aviation, water and sewer, and traffic projects have long been the dominant components of the CIE. Due to the injection of funding from the ½ cent transit surtax, as well as funding from the voter approved General Obligation Bond (GOB) program, the mass transit and park and recreation areas have increased their proportion in recent years.

The Schedule of Improvements for the FY 2010-11 proposed CIE has cost totals similar to the values of the previous program, but the expenditures are much lower. There are 394 active projects with a total cost of \$17.86 billion and six-year programmed expenditures of \$8.09 billion. Also included are 59 new projects costing \$422.63 million with \$196.41 million planned expenditures over the six FY 2010/11 – 2015/16 periods. The largest share (38.5 percent of cost) of this new CIE is in Sewer/Water facilities followed by Aviation (36.7 percent) and Mass Transit (10.3 percent).

## **Aviation**

The aviation component has consistently been one of the largest in dollar terms since the inception of the CIE process in 1988. The Miami-Dade Aviation Department (MDAD) is responsible for planning and carrying out renovation and upgrading of existing, and construction of new facilities to meet current and forecasted commercial passenger, cargo, and general aviation demand at Miami International Airport (MIA), plus four other active General Aviation airports (GAA), and one training facility.

The currently adopted CIE (April 2009 cycle) contains nine aviation projects at a total cost of \$6.44 billion. About 20.9 percent is proposed for expenditure over the six-year program period, a percentage below the previous year, with absolute expenditures about \$1.12 billion lower from the previous program cycle. During the FY 2009-10 budget and multi-year capital plan, \$1.35 billion was programmed and many projects were carried out in the following areas: terminals, concourses, support facilities, cargo facilities, landside improvements, and airside improvements. However, by far the bulk of the program (63.1 percent) is to be found in the first category, a total of about \$848.90 million. Projects completed and in use at MIA include Runway 8R-26L pavement rehabilitation with taxiways, portions of North Terminal (D-Extension with 17 gates) and a Regional Commuter Facility (RCF), additional lane at Arrival and Departure drives, as well as new concessions for passenger comfort and convenience.

For the 2010-11 budget year, this capital programming is being continued; i.e. terminal, concourse, and gate expansion at MIA along with increases in cargo handling capacity; necessary airside and landside improvements (roads and parking) and a variety of support projects, including about \$71.34 million for various improvements in the general aviation airports. For the current 2010/11–2015/16 period though programmed funding has decreased by about 48.8 percent from the previous six-year period.

Overall, the proposed April 2010-cycle Aviation Schedule of Improvements plans expenditures of almost \$689.41 million, well below the previous program cycle. However, the total cost of the program, at \$6.56 billion, is slightly above the prior year. Almost all is funded from a combination of State and federal grants, revenue bond funds, current capital outlay and passenger facility charges. The proposed program maintains the nine active projects from the previous one. There are no new proposed projects.

This new schedule of improvements embodies the strategy of emphasizing capabilities changes of MIA to handle existing and future demand levels for passengers and cargo operations in an efficient manner. The Department is engaged in a \$6.556 billion capital improvement program to make the airport a more desirable and efficient transportation center. Aeronautical activities at MIA are being enhanced by continuing construction of the North Terminal adding 1.8 million square feet of new terminal/concourse space in addition to the existing 1.7 million square feet; the completed terminal will have 48 swing gates, two regional jet gates, and the capability of handling 250 flights per day; completion date is projected in 2011. In addition, other

components of the existing terminals with additional international and domestic gates along with renovated portions of existing concourses will give extra support to the passenger traffic from international flights. During 2010-11, in addition to a new North Terminal, key elements of the program include expansion of the South Terminal, improvements to the Central Terminal, construction of an elevated automated people mover system known as the "MIA Mover," roadway and facilities improvements, major security modifications, and replacement of business systems.

## **Coastal Management**

The Miami-Dade County Department of Environmental Resources Management (DERM) administers the coastal management program as reflected in Table 3 of the Schedule of Improvements. Its primary aim is beach restoration and preservation. The program focuses on initiating and coordinating federal and/or State projects essential to the protection and recreational viability of the County's ocean shoreline.

The adopted (April 2009 cycle) Coastal Management Schedule of Improvements includes three projects at a cost of \$77.49 million, with planned expenditures at \$45.61 million. The total cost is higher than the previous year, but the six-year expenditures are lower. During FY 2009-10, only one beach re-nourishment project is to be completed with programmed expenditure at the \$20.64 million level.

The currently recommended Coastal Schedule of Improvements contains two active projects with a six-year expenditure program of \$32.53 million, significantly lower than the previous year, while total cost of the program at \$63.14 million is down by about 18.5 percent. There are no newly proposed projects, while there is one proposed deletion (project #2, Baywalk Bike Path - BBCBP) due to completion. There is one beach re-nourishment project with \$7.40 million planned expenditures over the amount in FY 2010-11.

## **Conservation**

The Conservation Element of the CDMP provides direction for the protection and conservation of Miami-Dade County's natural resources. Projects with this purpose are included in the Conservation Schedule of Improvements of the CIE, which has emphasized protection of natural water bodies and unique endangered lands. Since the advent of the Stormwater Utility program, the focus has been heavily on major and local drainage improvements. However, as a result of changes in the Proposed Resource Allocation Plan during the previous three fiscal years, the bulk of these activities are now devoted mostly to the administrative function of the program. The presently adopted program for FY 2009-10 contains nine projects at a total cost of \$275.12 million, with expenditures programmed at \$52.41 million. The total cost for FY 2009-10 is \$94.13 million below the previous year and so are the six-year expenditures at about \$20.00 million lower from the previous program cycle.

Major activity during FY 2009-10 includes continued acquisitions of environmentally endangered lands, as the Department of Environmental Resources Management (DERM) offers to purchase close to 975 acres of such lands and provides for active restoration and preservation of wetlands and environmentally valuable uplands. A little over \$8.54 million was programmed for this purpose. Over the fiscal year, a small number of local drainage projects have been carried out. Of the \$52.41 million to be expended during the 2009/10 – 2014/15 programming period, most was devoted to a variety of drainage improvements for the Community Rating System (CRS) program. In addition, several individual drainage projects were completed.

The April 2010-cycle recommended program for Conservation continues these efforts at about the same scale as the last year from the number of ongoing projects perspective. This is due to the transfer of drainage related activities to Public Works Department. The current program will cost \$267.29 million, which is a drop from the previous year, with only \$45.03 million planned to be expended over the six-year period. There are nine active projects with no proposed additions.

## **Drainage**

The Miami-Dade County Public Works Department has been responsible for eliminating or controlling localized stormwater drainage problems, and has an ongoing program directed to that purpose. As a result of the recommendations made during the summer of 2006, all drainage, design, and construction activities formerly housed in DERM were transferred to the Public Works Department. This includes secondary canal maintenance, street swiping, and drain cleaning funded by the Stormwater Utility program.

The currently adopted (April 2009 cycle) Drainage Schedule of Improvements contains 43 projects costing a total of \$98.87 million, with six-year programmed expenditures at the \$60.54 million level. As a result of the abovementioned transfer of drainage improvements activities from DERM to Public Works Department, the April 2010 recommended capital program for Drainage has total cost and programmed expenditures similar to the levels of last year. With the drainage projects from DERM added, the proposed plan will have a total cost of \$88.99 million. Over the six-year program, \$29.03 million exclusively for roadway drainage improvements will be expended. There are 33 ongoing projects with six newly proposed ones. Ten projects are being deleted; project numbers 4, 5, 6, 34, 38, 39, 40, and 41 due to completion. Funding sources for project numbers 11 and 42 have been assigned to other higher priority projects; as a result, the projects are being cancelled.

## **Park and Recreation**

The Miami-Dade County Park and Recreation Department builds, maintains, operates or manages an extensive and diversified system of parks, other recreational and cultural facilities along with open spaces, to serve the people of Miami-Dade County. Department facilities range from tot-lots and local parks serving unincorporated area neighborhoods, to metropolitan and regional parks, golf courses, marinas, and the Zoo Miami that serve the entire County. Overall, the Department manages 263 parks encompassing over 12,848 acres. It also is responsible for historic sites and nature preserves.

Historically faced with huge unfunded capital needs, in recent years this situation has been somewhat relieved. This is due to the approval, late in 1996, of the Safe Neighborhood Parks (SNP) bond program and the Mayor's FY 1998-99 Quality Neighborhoods Improvement Program (QNIP). The former is exclusively for parks, while the latter also funds other local capital projects such as sidewalks and street resurfacing. Aside from these sources, the Building Better Community (BBC) Bond Program has also provided additional funding to meet the Departments' capital needs.

However, even with the utilization of these and a wide assortment of other funding sources, the Department is proceeding with a capital program that is less ambitious than previously anticipated. Because BBC GOB program funding remains low as a result of limited debt service millage capacity, the currently adopted FY 2009-10 capital budget and multi-year plan shows

programmed expenditures at \$325.84 million with a total cost of \$620.60 million, which is a drop from the previous year. During the first year (2009-10), the Department was budgeted to make improvements at several projects, the largest being the Area-wide and Local Parks – Park Improvements, as well as SNPBP – Local Park Developments at combined expenditures of \$10.21 million.

In light of the changes in current economic conditions and related needs, the presently recommended Park and Recreation schedule lists 98 active projects including six new additions, at a total cost of \$485.93 million and programmed outlays of \$114.46 million. These projects are covering a wide range of activities, most relatively small expenditures on local parks. But there are also significant improvements being made at the larger parks, including large expenditures at the Tropical Park, Zoo Miami – Ph III – Improvements and Entry Way, Crandon Park, and Arcola Lakes Park. Fifteen projects are being deleted. Project numbers 5, 6, 7, 8, 9, 10, 18, 25, 56, 92, 94, and 106 have been completed. Project numbers 12 and 107 are being put on-hold in current budget due to lack of funding and project #35 is transferred to Town of Cutler Bay. Project #114 was shifted to Park and Recreation from the Traffic Circulation schedule.

The FY 2010-11 capital budget and multi-year plan is 84.0 percent funded by the voter-approved GOB program, about 5.9 percent from park impact fees, 2.0 percent from QNIP II Bond and Safe Neighborhood Parks Proceeds combined, and 1.0 percent from (COR). The remaining 7.1 percent comes primarily from State and Federal grants and financing proceeds. Of the total ongoing program, about 34.6 percent is devoted to Metropolitan Parks – Renovation. About 9.5 percent of the expenditures are allocated to Zoo Miami improvements. As a result of the economic downturn, during FY 2010-11, the Department plans to implement a smaller number of park projects than the projects implemented in the previous year funded by a combination of Impact Fees, QNIP, and SNP dollars.

## **Seaport**

The Miami-Dade County Seaport Department manages and operates the Port of Miami, which is the busiest passenger cruise home port in the world and the 11th ranked busiest containerized cargo port in the United States. The Seaport Department is responsible for meeting the infrastructure needs of the cruise and cargo industries, ensuring the Port of Miami is managed efficiently and effectively, and expanding, renovating, and maintaining the Port's facilities to meet industry growth for both cargo and cruise operations. The Department promotes cruise and cargo growth through infrastructure enhancements and throughput capacity improvements combined with aggressive foreign and domestic marketing program.

The presently adopted (FY 2009-10) Capital Improvements Element contains a Seaport component listing a six-year expenditure program of \$473.78 million and a total cost of \$574.57 million. There are a total of 29 projects. The program is somewhat evenly loaded with 55.4 percent of the total expenditures being planned for the first three years. The single largest project in the FY 2009-10 capital program is dredging the southern part of Lummus Island - Phase III with a total cost of 156.29 million. Other major projects are for the Seaport Tunnel and the Container Yard Improvements – Seaboard with outlays of \$143.50 million and \$47.95 million, respectively. Together these three projects account for 60.5 percent of the total cost of the program. If capital costs for the on-going Construction Supervision were added, just these four projects constitute almost two thirds of the FY 2009-10 capital investments.



In this (April 2010 cycle) recommended Schedule of Improvements, there are 29 ongoing projects with five new projects being proposed and one project, #33, reinstated for future funding, while eleven are being deleted; project numbers 2, 3, 4, 13, 15, 18, 21, and 28 are listed as deletions from the program due to completion. Project #14 is being deleted as new Terminal A will not be build and moved to unfunded. Project numbers 10 and 16 are withdrawn as no longer required at this time.

This 2009-10 capital program embodies continued investment in new and improved berthing, cruise terminal facilities, security, and traffic circulation enhancement and throughput projects. Both the cost and the six-year expenditure figures are lower than those from the previous year.

A number of security installation and upgrades will be done on the Port. A wide variety of infrastructure improvements have expenditures of \$25.92 million. Likewise, passenger area facilities will be expanded including Cruise Terminals B and C improvements, as well as Cruise Terminals D and E finalization and upgrades for new service at a combined cost of \$24.24 million. The largest project in terms of cost is for the Port of Miami Tunnel (\$165.58 million) followed by Dredge III for the southern part of Lummus Island (\$155.00 million). Other general port improvements and channel deepening will also be accomplished.

For the entire six-year programming period, the Seaport identifies 24 projects with expenditures of \$464.18 million, mostly funded by Seaport revenue bonds. The total cost of these projects is \$645.79 million.

### **Sewer Facilities**

The Miami-Dade Water and Sewer Department (WASD) is the largest water and sewer utility in the Southeastern U.S. The Department has a major capital program to build and maintain wastewater collection and treatment infrastructure. About 99 percent of the wastewater generated in Miami-Dade County is collected and treated by this agency, utilizing three large regional wastewater facilities with a capacity of 368 million gallons per day. The Department serves approximately 336,272 wastewater retail customers and provides wholesale sewer service to 11 municipalities within Miami-Dade County.

The currently adopted capital schedule (April 2009 cycle) contains expenditures of \$2,897.68 million for the period 2009/10-2014/15, with a total cost of \$4,699.84 million for 37 projects. The 2009-10 program reflected continuation of the major, expedited capital program to meet the requirements and deadlines of two settlement agreements with the Florida State Department of Environmental Protection and two consent decrees with the U.S. Environmental Protection Agency. Almost all of the required improvements have been put in place, except for consent decree projects addressing the collection system, such as pump station improvements and peak flow requirements. During FY 2009-10, the program expenditure total is \$337.48 million. The largest expenditures include \$147.57 million for the South District W.W.T.P. - High Level Disinfection facilities, \$21.26 million for Sanitary Sewer System Extension, \$15.96 for Peak Flow Management Facilities, and \$14.45 million for Wastewater Treatment Plants Replacement and Renovation. These four projects constitute 59.0 percent of the program's first year expenditures.

For the period FY 2010/11 – 2015/16, recommended expenditures total close to \$3,398.46 million with the total cost at \$5,031.57 million for 34 active projects and three proposed deletions; one of the latter due to completion (#25), project #31 is cancelled, and #36 is now part of project #39. There are nine proposed additions, of which only two are truly new projects,

#45 and #46; the remaining seven (#38 to #44) are being reclassified as GOB funded projects. Both the cost and the expenditures levels are higher than the previous year.

Over the course of the 2010-2015 six-year program period, the Water and Sewer Department will continue to pursue a capital strategy aimed at overcoming the deficiencies specified in the Consent Decrees through a series of improvements to the wastewater collection, transmission, treatment and disposal systems. A total of 394.69 million is programmed for FY 2010-11. Many upgrades go beyond merely correcting the deficiencies identified by the State and federal governments. This is especially true at the Central and South Wastewater Treatment Plants, systemwide peak flow pumping capacity, infiltration reduction, wastewater reuse, corrosion control program, and several sewer line extensions. Primary funding for the overall program is from wastewater revenue bonds and connection charges.

### **Solid Waste Disposal**

Miami-Dade County's Department of Solid Waste Management (DSWM) collects garbage and trash in the unincorporated Miami-Dade County and participating municipalities. It contracts for the curbside collection of recyclable materials also. It is responsible for all trash and garbage disposal in the County and also regulates all waste collection, transportation of waste, and recycling. This service system incorporates three regional transfer stations and associated fleet, two operating landfills, and the Resources Recovery facility (one of the largest waste-to-energy facilities in the world) and a co-located ashfill. In addition, the Department operates 13 Trash and Recycling (T&R) Centers in the Waste Collection Service Area (WCSA) and provides waste transfer and disposal services countywide to municipalities and private haulers. A large fleet of trucks and other equipment is maintained in order to carry out these and other activities. For its collection services, the Solid Waste Management Department has completed the conversion from a manual to automated technology.

The existing adopted capital program lists 35 projects costing \$169.16 million, with \$103.11 million to be expended over the 2009/10-2014/15 period. The cost of the program is \$37.91 million below the previous year, but planned expenditures are \$9.26 million higher than the previous program cycle. The Solid Waste Management capital program, guided by the 1995 Strategic Plan and the 1996 Master Plan, contains projects directed at the broad areas of Environmental Projects, Waste Collection, and Waste Disposal.

The recommended Solid Waste Management Schedule of Improvements for FY 2010/11–2015/16 has cost values higher than the previous year, as are the six-year expenditures. There are 30 active projects with one proposed addition and five deletions. While total cost is now \$197.00 million, planned expenditures are \$109.64 million. Project numbers 11 and 13 are or will be completed within the fiscal year. Project numbers 34 and 35 are being deleted as not applicable to CIE. Project #32 is no longer a capital project. The proposed addition has a total cost of \$32.37 million and planned expenditures of 22.45 million for the Municipal Landfill Closure project.

During the first three years of the Capital Program, about 76.1 percent of the program expenditures are devoted to waste disposal environmental projects. These include Resource Recovery Plant (RRP) retrofits, cell closures (at the Resource Recovery Plant, North Dade, South Dade, and Virginia Key landfills) plus other remediation projects. About 16.4 percent of the program is concerned with waste disposal. There are a number of small projects covering the full range of disposal activities. At the Resources Recovery facility, a new cell is planned to be constructed at a cost of \$3.85 million. Three other cells (#3, #4, and #5) are under

construction at the South Miami-Dade facility at a cost of \$13.63 million, 14.60 million, and \$15.73 million each, respectively. Waste collection projects constitute only about 2.2 percent of the program. Major emphasis is being placed on improvements at existing T&R Centers and the construction of a new T&R Center in West/Southwest Miami-Dade. For the most part, these projects will be completed during the 2010/11 – 2011/12 fiscal years as more than two thirds of the funding is programmed in the first three years of the six-year plan. Major funding comes from waste disposal revenues, followed by Future Solid Waste Revenue Bonds and waste collection revenues.

## **Traffic Circulation**

The Miami-Dade County Public Works Department is responsible for constructing and maintaining the County's roadway and bridge infrastructure system, which totals 662 arterial and 2,649 local centerline road miles, as well as 171 bridges on arterial roads and 33 bridges on local roads. Basically, this includes many of the section-line and most half-section line roads, all collector roads and most of the various bridges in the County. In addition, all local roads in unincorporated Miami-Dade are maintained. Capacity improvements typically consist of widening and/or reconstructing roadways, replacement of bridges and reconfiguring intersections. Countywide Street and roadway signage (2,750 traffic signal controllers, 21,500 streetlights, and 450,000 street and traffic signs) are also this department's responsibility.

The presently adopted (FY 2009-10) Traffic Circulation component of the CIE contained 157 projects totaling \$936.01 million in cost. Expenditures of \$660.53 million were heavily programmed during the first three years of the 2009/10-2014/15 period, with 82.3 percent of the outlay found there. The largest category of expenditures was for projects funded by the People's Transportation Plan (PTP) bond program at \$280.18 million, which is 39.9 percent of the total for all projects. Public Works is responsible for carrying out the building of several new roads, widening many others, resurfacing, new operational improvements and new curbs and gutters as set forth in the PTP. The second largest category was for projects funded by Secondary Gas Tax at \$106.35 million, or about 15.1 percent of the total. The third largest category was for projects funded by the new GOB program at \$86.18 million, or about 12.3 percent of the total expenditures. The projects include unspecified infrastructure improvements in each Commission District, several bike path projects, and a few bridge expenditures. The majority of the other projects was funded by secondary gas tax, and causeway tolls, and was applied to the usual array of road and bridge projects.

During the current year (2009-10), the Department's budget includes funding to maintain 171 bridges on arterial roads and 33 bridges on local roads, 662 arterial and 2,649 local centerline road miles, 2,692 traffic signals and 510 school flashing warning lights, 2,750 traffic signal controllers, 21,500 streetlights on state and County roads, and approximately 450,000 street and traffic signs.

As recommended, the new 2010/11 – 2015/16 program is considerably below the prior year's program and will have a total cost of \$685.27 million for 117 ongoing projects and 17 newly proposed ones. The six-year expenditure plan is for \$443.09 million, which is well below the prior year's program. Forty projects are listed as deletions from the program; project numbers 2, 10, 16, 29, 36, 39, 45, 52, 60, 62, 81, 137, 148, and 156 being completed. Project numbers 90, 91, 92, 95, 97, 100, 146, and 147 are now unfunded and grouped in project "Improvements to Intersections." Project numbers 100, 101, 102, and 106 are now unfunded and grouped in project "Resurfacing and Pavement Markings of Arterial Roads." Project numbers 109, 110, 111, 115, and 157 are now unfunded and grouped in project "Traffic Control Devices." Project

#143 is deleted as no longer needed and project #140 was shifted to the Park and Recreation schedule. Project numbers 25, 78, 139, 141, and 144 are being deleted as not applicable to CIE. The remaining projects (numbers 123, 145, and 154) are listed as deletions for several reasons, the most significant due to funding shifts or reprogramming priorities. The new projects have a total cost of \$11.70 million and planned expenditures of \$6.28 million.

This 2010/11 – 2015/16 multi-year Public Works Capital plan is similar to previous versions with inclusion of projects both countywide and in unincorporated Miami-Dade. As it did last year, following its new Business Plan, the Department has segmented the capital program into two parts: Neighborhood and Unincorporated Area Municipal Services, and Transportation. The latter is the largest component, \$658.41 million in cost versus \$198.12 million, while six-year expenditures are \$498.72 versus \$71.78 million. The Transportation part includes Causeway Improvements, Major Road Improvements, Traffic Control Systems, Infrastructure Improvements, and ADA Accessibility Improvements. The Neighborhood and Unincorporated Area Municipal Services part includes Drainage Improvements, Infrastructure Improvements, Mosquito Control (not addressed herein) and Local Road Improvements. In Transportation, the expenditures decrease throughout the six-year programming period, much less so in the Neighborhood/UMSA program, where expenditures decrease in the second through fifth year and then increase for the last year of the six-year period.

## **Mass Transit**

Miami-Dade Transit (MDT) is the 14<sup>th</sup> largest public transit system in the country (based on passenger trips) and the largest transit agency in Florida. A large capital program is necessary for the purpose of constructing and maintaining facilities and acquiring equipment necessary to provide transportation services to the public. The transit system has four major components; Metrobus, Metrorail, Metromover, and Special Transportation Services (STS) which is a demand-response door-to-door service. MDT provides 29.2 million miles of Metrobus revenue service along 93 routes with a fleet of 772 full-sized buses and 75 minibuses, 2 contracted routes, a 22.2 mile elevated Metrorail system, a 20-mile Bus Rapid Transit (BRT) line that is the largest in the United States, and a 4.4-mile elevated Automated People Mover (Metromover) system. The passage by County voters of the one-half cent sales tax in 2002 to be used primarily for transportation provides a dedicated funding source for transportation improvements and is expected to generate more than \$150 million annually, which has opened the door to applying for federal and state matching funds. Thus, a much expanded and viable transit system can be planned and put into place. The various elements were compiled prior to the vote in a document entitled The Peoples Transportation Plan (PTP). MDT, working with the Citizens Independent Transportation Trust (CITT), is in the process of implementing the PTP.

The capital program for FY 2009-10 has total costs of \$2.28 billion and expenditures of \$1.71 billion through the year 2014-15. The single largest component was for Capitalization of Preventive Maintenance. The next highest expenditure was for the Earlington Heights/MIC Connector, then for Rail Vehicle Replacement, Bus Acquisition, and the Infrastructure Renewal Plan (IRP). Together, these five projects account for 84.1 percent of the budgeted six-year expenditures. Approximately \$23.72 million was budgeted for the Automated Fare Collection System project for FY 2009-10. The remaining funds in this expanded capital program were used to construct and modify park and ride facilities and for planning, administration, and contingency. Funding comes from federal grants, State of Florida (FDOT) funds, County bonds, and the new surtax supported bonds.

Expenditures for Metrorail include vehicle replacement, repair and maintenance of Metrorail and Metromover facilities, as well as Metromover vehicle replacement. The largest outlay for the bus system is the acquisition of new buses (\$97.38 million). Equipment purchases include a variety of items ranging from the Automated Vehicle Locator/Monitoring and Radio System, tools and equipment for repair, to bus security and surveillance monitoring devices.

The proposed FY 2010-11 capital program consists of 30 active projects, three new ones, and 14 deletions. A significant amount of reprogramming has occurred resulting in cost and expenditures changes with values well below the prior year program. The cost at \$1,998.0 million is almost 12.4 percent lower than the previous year as is the expenditure level at \$1,481.1 million or lower by 13.1 percent. Of the three newly proposed projects, the Upgrade and/or Replace Bus Tracker and Automatic Vehicle Locating System project accounts for 53.4 percent of the total cost. Fourteen projects are marked as deletions from the program; project numbers 12, 13, 17, 22, 25, 28, 39, 40, 41, and 43 have been completed and project #30 was shifted to the Traffic Circulation schedule. Project numbers 6, 9, and 10 are being deleted as not applicable to CIE. The funding breakdown for the six-year expenditures is as follows: People's Transportation Bond Program \$754.36 million; Federal grants \$530.02 million; and State of Florida-FDOT \$81.78 million. These three sources comprise 92.5 percent of total expenditures. MDT expenditures decrease during the first three years then jump up and increase over the next two years and decrease again over the last year.

## **Water Facilities**

The Miami-Dade Water and Sewer Department (WASD) provides portable water to most residents and businesses within Miami-Dade County. Approximately 417,813 water retail customers are served and 13 municipalities purchase water wholesale. This is accomplished by the operation of three regional and five smaller water treatment plants, with water supply coming from 95 water supply wells (grouped into 14 wellfields) in the Biscayne Aquifer. The capital program necessary to accomplish this includes wellfield development, the expansion and upgrade of water treatment facilities, pumping capacity and related infrastructure. The Department implements water conservation measures and provides high quality drinking water. In providing these water services, the Department interacts with and is regulated by various federal and State agencies, the Miami-Dade County Health Department, the South Florida Water Management District, as well as the Department of Environmental Resources Management.

The April 2009-cycle adopted program has 20 active projects costing \$1,674.82 million with \$1,329.73 million to be spent by FY 2014-15. Both the total cost figure and the six-year expenditures are much higher than the prior year's program. Several revenue sources were used to fund a variety of water supply and quality projects. However, just six projects, excluding project number 19 and its components, account for about 73.6 percent of the six-year expenditures. These are Safe Drinking Water Act Modifications, Water Distribution System Extension Enhancements, Wellfield Improvements, Water System Maintenance and Upgrades, Water Treatment Plant – Hialeah/Preston Improvements, and South Miami Heights Water Treatment Plant and Wellfield. All of these projects are ongoing with various subcomponents completed each year.

The currently recommended Schedule of Improvements shows a higher total cost than the previous year at \$1,836.56 million, but the expenditures level is lower at \$1,282.62 million for all the 31 projects. The capital outlay predominately accounted for by the Safe Drinking Water Act Modification – Surface Water Treatment (SWT) and Disinfectant/Disinfection by Product (D-

DBP) regulations. There are eleven proposed additions, of which only two are truly new projects, #30 and #31; the remaining nine (#21 to #29) are being reclassified as GOB funded projects.

Like the capital programs before it, this six-year schedule of improvements is aimed at meeting current and future needs for water pumping, treatment, transmission, and distribution capacity. Water quality is given high priority also, as dictated by various federal and State regulations and guidelines.

TABLE 2

April 2010

## AVIATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
1)	MIA -North Terminal Development (NTD) Miami International Airport	2/2012	2,506,371 2,794,474	327,119 41,612	24,111 21,515	0 0	0 0	0 0	0 0	351,230 63,127	0 0	2,857,601 2,857,601	821,917, 1145,3763, 3764
2)	MIA - Support Facility Improvements Miami International Airport	2/2011	867,124 997,744	188,844 58,224	0 0	0 0	0 0	0 0	0 0	188,844 58,224	0 0	1,055,968 1,055,968	124,406, 821,1145, 1189,3763
3)	MIA - Roadways and Parking Miami International Airport	2/2017	161,516 162,473	6,956 5,999	5,000 5,000	5,000 5,000	5,000 5,000	5,000 5,000	5,000 5,000	31,956 30,999	20,959 20,959	214,431 214,431	406,821, 1189,3763
4)	MIA - Airside Improvement Projects Miami International Airport	2/2011	320,201 327,403	10,194 2,992	0 0	0 0	0 0	0 0	0 0	10,194 2,992	0 0	330,395 330,395	124,406, 821,3763
5)	General Aviation Airports	2/2011	67,619 70,274	3,720 1,065	0 0	0 0	0 0	0 0	0 0	3,720 1,065	0 0	71,339 71,339	124,821, 1189,3763
6)	MIA - Mover Miami International Airport	2/2011	211,832 256,663	65,700 32,971	12,102 0	0 0	0 0	0 0	0 0	77,802 32,971	0 0	289,634 289,634	821,3763, 3764
7)	MIA - Other Terminal Projects Miami International Airport	2/2011	473,882 489,947	21,437 5,372	0 0	0 0	0 0	0 0	0 0	21,437 5,372	0 0	495,319 495,319	124,406, 821,1189, 3763
8)	MIA - South Terminal Development Miami International Airport	2/2011	1,057,852 1,060,908	3,755 699	0 0	0 0	0 0	0 0	0 0	3,755 699	0 0	1,061,607 1,061,607	124,406, 821,1145, 1189,3763
9)	MIA - Cargo Development Miami International Airport	2/2011	179,172 179,172	468 468	0 0	0 0	0 0	0 0	0 0	468 468	0 0	179,640 179,640	124,821, 1189,3763
TOTALS			5,845,569 6,339,058	628,193 149,402	41,213 26,515	5,000 5,000	5,000 5,000	5,000 5,000	5,000 5,000	689,406 195,917	20,959 20,959	6,555,934 6,555,934	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Source: Miami-Dade County Aviation Department and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.

TABLE 3

April 2010

## COASTAL MANAGEMENT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
1)	Biscayne Bay Restoration & Shoreline Stab. Biscayne Bay and Tributaries	1/2011	676	1,824	0	0	0	0	0	1,824	0	2,500	470,885,
			676	1,824	0	0	0	0	0	1,824	0	2,500	
2)	<del>Baywalk Bike Path — BBCBP</del>	<del>1/2009</del>	<del>5,419</del>	<del>1,100</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>1,100</del>	<del>0</del>	<del>6,519</del>	640,650,
	<del>— East Shoreline of Parcel B, East of AAA &amp; N of Port Blvd</del>		<del>5,604</del>	<del>915</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>915</del>	<del>0</del>	<del>6,519</del>	885,999, 1135
3)	M-D County Beach Erosion & Renourishmer Countywide	3/-N/A	29,430	7,401	500	10,200	10,200	1,906	500	30,707	500	60,637	11,13,14,
			29,430	7,401	500	10,200	10,200	1,906	500	30,707	500	60,637	17,21,142, 834
TOTALS			30,106	9,225	500	10,200	10,200	1,906	500	32,531	500	63,137	
			30,106	9,225	500	10,200	10,200	1,906	500	32,531	500	63,137	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade County Department of Environmental Resources Management and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.



TABLE 4

April 2010

## CONSERVATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
1)	Environmentally Endangered Lands Program Various Sites	3/-N/A	134,825 193,954	5,461 3,100	5,500 1,600	5,500 2,100	6,816 2,100	5,500 2,100	5,501 2,100	34,278 13,100	72,057 34,106	241,160 241,160	11,13,14,23- 25,620,640, 660,1082
2)	Local Drainage Improvements for CRS Program Various Sites	1/2015	1,550 0	755 1,550	1,000 755	1,000 1,000	1,000 1,000	0 1,000	0 0	3,755 5,305	0 0	5,305 5,305	630
3)	Drainage Improvements Within Comm. District 01 Commission District 1	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5,129 5,129	5,129 5,129	23
4)	Drainage Improvements NW 95 St. NW 95 St. to NW 100 St. from NW 36 Ave. to NW 34 Ave	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	500 500	500 500	0 0	500 500	23
5)	Drainage Improvements SW 127 Ave SW 127 Ave. to SW 128 Ave. from SW 58 St. to SW 65 St	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	750 750	750 750	23
6)	Drainage Improvements Within Comm. District 02 Commission District 2	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,576 1,576	1,576 1,576	23
7)	Drainage Improv. North Miami Beach Boulevard North Miami Beach Blvd from NE 17 Ave. to US-1	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,500 1,500	1,500 1,500	23
8)	Drainage Improvements SW 157 Ave SW 42 St. to SW 64 St. (SW 157 Ave Canal)	1/2011	218 218	1,282 1,282	0 0	0 0	0 0	0 0	0 0	1,282 1,282	0 0	1,500 1,500	11, 13, 14, 17
9)	Local Drainage Improvements Various Sites	1/2017	2,622 2,622	1,457 1,457	3,759 3,759	0 0	0 0	0 0	0 0	5,216 5,216	2,029 2,029	9,867 9,867	11,13,14,17, 18,23,26, 1133
TOTALS			139,215 196,794	8,955 7,389	10,259 6,114	6,500 3,100	7,816 3,100	5,500 3,100	6,001 2,600	45,031 25,403	83,041 45,090	267,287 267,287	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade County Department of Environmental Resources Management and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.

TABLE 5

April 2010

## DRAINAGE

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										
1)	Roadway Drainage Improv. in the Uninc.Area Unincorporated Miami-Dade County	1/2015	0	2,500	2,500	1,500	2,000	2,000	0	10,500	0	10,500	630	
			0	2,500	2,500	1,500	2,000	2,000	0	10,500	0	10,500		
2)	Drainage Impr.Carribean Blvd@C-1NCanal Cr. Carribean Blvd between FL Turnpike & Anchor Rd	1/2013	186	116	1,600	1,123	0	0	0	2,839	0	3,025	630	
			186	116	1,600	1,123	0	0	0	2,839	0	3,025		
3)	Drainage Improvements Coral Way to SW 21 St.from SW 67 Ave. to SW 72 Ave	1/2017	0	0	0	0	0	0	0	0	750	750	23	
			0	0	0	0	0	0	0	0	750	750		
4)	Drainage Improvements Midway — NW 78 to NW 84 Ave. from NW 7 St. to NW 10 St.	1/2009	0	4,500	2,504	0	0	0	0	7,004	0	7,004	630,1135	
			0	673	3,827	2,504	0	0	0	7,004	0	7,004		
5)	Drainage Improvements NW 67 Ave — NW 20 St to NW 74 St (FL E Coast Borrow Ditch C Dr.)	1/2010	1,743	2,277	0	0	0	0	0	2,277	0	4,020	1135	
			1,743	2,277	0	0	0	0	0	2,277	0	4,020		
6)	Drainage Improvements SW 112 Ave — SW 112 Ave- SW 117 Ave and SW 44 St- SW 48 St	1/2011	650	100	0	0	0	0	0	100	0	750	1135	
			650	100	0	0	0	0	0	100	0	750		
7)	Drainage Improvements SW 160 St SW 160 St- SW 180 St from SW 102 Ave- SW 114 Ave	1/2011	906	756	0	0	0	0	0	756	0	1,662	630	
			906	756	0	0	0	0	0	756	0	1,662		
8)	Drainage Improvements SW 26 St SW 26 St - SW 42 St and SW 137 Ave - SW 144 Ave	1/2009	3,475	154	0	0	0	0	0	154	0	3,629	11, 13, 14,	
			3,475	154	0	0	0	0	0	154	0	3,629	17, 630	
9)	Drainage Improvements SW 42 Terr SW 42 Terr -SW 53 St from SW 127 Ave- SW 132 Ave	1/2018	0	0	0	0	0	0	0	0	2,550	2,550	630	
			0	0	0	0	0	0	0	0	2,550	2,550		
10)	Drainage Improvements SW 72 St SW 72 St- SW 80 St from SW 52 Ave- SW 57 Ave	1/2010	0	0	0	0	0	0	0	0	0	0	23	
			0	0	0	0	0	0	0	0	0	0		
11)	Drainage Improvements SW 81 St — SW 81 St- SW 83 St from SW 79 Ave- SW 87 Ave	1/2013	0	0	0	110	495	0	0	605	0	605	630	
			0	0	0	110	495	0	0	605	0	605		
12)	Drainage Improvements SW 92 Ave	1/2013	0	0	0	0	0	0	0	0	1,250	1,250	23	

TABLE 5

April 2010

## DRAINAGE

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	SW 92 Ave from W Flagler St to SW 8 St		0	0	0	0	0	0	0	0	1,250	1,250	
13)	Drainage Improv. Within Comm. District 03 Commission District 3	1/2017	0	0	0	0	0	0	0	0	135	135	23
			0	0	0	0	0	0	0	0	0	135	
14)	Drainage Improv. Within Comm. District 04 Commission District 4	1/2017	0	0	0	0	0	0	0	0	960	960	23
			0	0	0	0	0	0	0	0	0	960	
15)	Drainage Improv. Within Comm. District 05 Commission District 5	1/2017	0	0	0	0	0	0	0	0	1,000	1,000	23
			0	0	0	0	0	0	0	0	0	1,000	
16)	Drainage Improv. Within Comm. District 06 Commission District 6	1/2017	0	0	0	0	0	0	0	0	4,894	4,894	23
			0	0	0	0	0	0	0	0	0	4,894	
17)	Drainage Improv. Within Comm. District 07 Commission District 7	1/2017	0	0	0	0	0	0	0	0	1,270	1,270	23
			0	0	0	0	0	0	0	0	0	1,270	
18)	Drainage Improv. Within Comm. District 08 Commission District 8	1/2017	0	0	0	0	0	0	0	0	529	529	23
			0	0	0	0	0	0	0	0	0	529	
19)	Drainage Improv. Within Comm. District 10 Commission District 10	1/2017	545	0	0	0	0	0	0	0	728	1,273	13,14,23
			545	0	0	0	0	0	0	0	0	728	
20)	Drainage Improv. Within Comm. District 11 Commission District 11	1/2017	504	0	0	0	0	0	0	0	1,381	1,885	11,13,14,23
			504	0	0	0	0	0	0	0	0	1,381	
21)	Drainage Improv. Within Comm. District 12 Commission District 12	1/2017	0	0	0	0	0	0	0	0	3,315	3,315	23
			0	0	0	0	0	0	0	0	0	3,315	
22)	Drainage Improv. Within Comm. District 13 Commission District 13	1/2017	0	0	0	0	0	0	0	0	874	874	23
			0	0	0	0	0	0	0	0	0	874	
23)	Master Plan Basinwide Drain.Impr.Com.Dist.01 Commission District 1	1/2017	0	0	0	0	0	0	0	0	1,500	1,500	23
			0	0	0	0	0	0	0	0	0	1,500	

TABLE 5

April 2010

## DRAINAGE

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										
24)	Master Plan Basinwide Drain.Impr.Com.Dist.02 Commission District 2	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2,000 2,000	2,000 2,000	23	
25)	Master Plan Basinwide Drain.Impr.Com.Dist.04 Commission District 4	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,600 1,600	1,600 1,600	23	
26)	Master Plan Basinwide Drain.Impr.Com.Dist.07 Commission District 7	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,370 1,370	1,370 1,370	23	
27)	Master Plan Basinwide Drain.Impr.Com.Dist.08 Commission District 8	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4,227 4,227	4,227 4,227	23	
28)	Master Plan Basinwide Drain.Impr.Com.Dist.10 Commission District 10	1/2017	542 542	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5,013 5,013	5,555 5,555	11,23	
29)	Master Plan Basinwide Drain.Impr.Com.Dist.11 Commission District 11	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4,875 4,875	4,875 4,875	23	
30)	Master Plan Basinwide Drain.Impr.Com.Dist.12 Commission District 12	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4,633 4,633	4,633 4,633	23	
31)	Master Plan Basinwide Drain.Impr.Com.Dist.13 Commission District 13	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,638 1,638	1,638 1,638	23	
32)	Reserve for High Priority Drainage Projects Unincorporated Miami-Dade County	1/2015	0 0	500 500	500 500	500 500	500 500	500 500	0 0	2,500 2,500	0 0	2,500 2,500	630	
33)	Stormwater Pump Stations Telemetry Unincorporated Miami-Dade County	1/2011	332 332	831 831	0 0	0 0	0 0	0 0	0 0	831 831	0 0	1,163 1,163	11,13,14, 17	
34)	<del>Drainage Impr.Proj SW 94 Ave —SW 94 Ave from SW 8 St to SW 15 St</del>	<del>1/2010</del>	<del>0 0</del>	<del>325 325</del>	<del>0 0</del>	<del>0 0</del>	<del>0 0</del>	<del>0 0</del>	<del>0 0</del>	<del>325 325</del>	<del>0 0</del>	<del>325 325</del>	630	
35)	Drainage Retrofit Of Arterial Roadways Countywide	3/2012	0 0	1,000 1,000	1,000 1,000	1,000 1,000	1,000 1,000	1,000 1,000	0 0	5,000 5,000	0 0	5,000 5,000	630	

TABLE 5

April 2010

## DRAINAGE

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										
36)	Drainage Impr.- NW 68 St and NW 32 Ave NW 68 St and NW 32 Ave	1/2011	804 804	91 91	0 0	0 0	0 0	0 0	0 0	91 91	0 0	895 895	13, 14, 17	
37)	Drainage Impr.- SW 77 Ave SW 77 Ave, from SW 88 St to SW 98 St	1/2010	320 320	36 36	0 0	0 0	0 0	0 0	0 0	36 36	0 0	356 356	13, 14	
38)	Drainage Impr. Proj. NE 18 Pl- NE 18 PL from NE 211 Terr to NE 214 Terr	1/2010	0 0	675 675	0 0	0 0	0 0	0 0	0 0	675 675	0 0	675 675	630	
39)	Drainage Impr. Proj. NW 17 Ave NW 17 Ave and NW 28 St to NW 34 St	1/2010	0 0	620 620	0 0	0 0	0 0	0 0	0 0	620 620	0 0	620 620	630,1116	
40)	Drainage Impr. San Simeon Way San Simeon Way from NE 205 St to NE 215 St	1/2011	0 0	400 400	400 400	0 0	0 0	0 0	0 0	800 800	0 0	800 800	630	
41)	Drainage Impr. SW 56 St SW 56 St from SW 139 Ave to SW 140 Ave	1/2011	845 845	45 45	45 45	0 0	0 0	0 0	0 0	90 90	0 0	935 935	1135	
42)	Drainage Impr. SW 9 Terr SW 9 Terr from SW 92 Ave to SW 93 Ave	1/2012	0 0	165 165	0 0	0 0	0 0	0 0	0 0	165 165	0 0	165 165	1135	
43)	San Sebastian Drainage Impr. Project Uninc. Miami-Dade County	3/2012	355 355	312 312	738 738	0 0	0 0	0 0	0 0	1,050 1,050	0 0	1,405 1,405	14,26, 630,1184	
Subtotals			7,969 7,969	6,296 6,296	6,338 6,338	4,124 4,124	3,506 3,506	3,500 3,500	0 0	23,764 23,764	46,492 46,492	78,225 78,225		
Proposed Additions, April 2010 CDMP Amendment Cycle														
44)	CDBG Drainage Improvements Countywide Countywide	1/2011	0 579	579 0	0 0	0 0	0 0	0 0	0 0	579 0	0 0	579 579	3770	
45)	Coral Gables Waterway Agreement 3	1/2011	5,000	1,900	0	0	0	0	0	1,900	0	6,900	3770	

TABLE 5

April 2010

## DRAINAGE

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	SW 72 Av & South Waterway Dr.		5,000	1,900	0	0	0	0	0	1,900	0	6,900	
46)	Drainage Improvements Tropical Estates	1/2011	300	433	0	0	0	0	0	433	0	733	630
	SW 102 Ave to SW 107 Ave & SW 28 St to SW 56 St		300	433	0	0	0	0	0	433	0	733	
47)	Seaboard Acres Pump Station Retrofit	1/2013	0	200	1,810	272	0	0	0	2,282	0	2,282	630
	Memorial Hwy & NE 131 St		0	200	1,810	272	0	0	0	2,282	0	2,282	
48)	Drainage Improv. in Commission District 4	1/2011	146	40	0	0	0	0	0	40	0	186	630
	Commission District 4		146	40	0	0	0	0	0	40	0	186	
49)	Drainage Improv. SW 68 Ave & SW 15 St.	1/2011	58	27	0	0	0	0	0	27	0	85	630
	SW 68 Ave & SW 15 St		85	0	0	0	0	0	0	0	0	85	
Subtotals of Proposed Additions			5,504	3,179	1,810	272	0	0	0	5,261	0	10,765	
			6,110	2,573	1,810	272	0	0	0	4,655	0	10,765	
TOTALS			13,473	9,475	8,148	4,396	3,506	3,500	0	29,025	46,492	88,990	
			14,079	8,869	8,148	4,396	3,506	3,500	0	28,419	46,492	88,990	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami- Dade County Public Works Department and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.

TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
1)	Park Benefit District (PBD)No.1Local Park De Park Benefit District 1	3/2013	2,641 6,021	2,061 375	875 0	819 0	0 0	0 0	0 0	3,755 375	0 0	6,396 6,396	501
2)	Park Benefit District (PBD)No.2Local Park De Park Benefit District 2	3/2013	6,231 14,917	2,723 240	1,970 0	4,233 0	0 0	0 0	0 0	8,926 240	0 0	15,157 15,157	501
3)	Park Benefit District (PBD)No.3Local Park De Park Benefit District 3	3/2013	4,594 6,879	810 200	932 0	743 0	0 0	0 0	0 0	2,485 200	0 0	7,079 7,079	501
4)	Southridge Park - BBCBP 19355 SW 114 Ave.	3/2017	2,696 2,696	804 804	0 0	0 0	0 0	0 0	0 0	804 804	4,100 4,100	7,600 7,600	13,14,17, 23
5)	SNPBP—Local Park Development —Unincorporated Miami-Dade County	—3/2010	20,670 24,882	4,212 0	0 0	0 0	0 0	0 0	0 0	4,212 0	0 0	24,882 24,882	927
6)	SNPBP—Local Park Improvements —Unincorporated Miami-Dade County	—3/2010	14,420 15,850	1,430 0	0 0	0 0	0 0	0 0	0 0	1,430 0	0 0	15,850 15,850	927
7)	SNPBP—Pool Improv. & Development —Various Sites	—3/2010	2,360 3,000	640 0	0 0	0 0	0 0	0 0	0 0	640 0	0 0	3,000 3,000	927
8)	SNPBP—Local Parks Per Capita Allocation —Unincorporated Miami-Dade County	—3/2010	9,450 10,250	800 0	0 0	0 0	0 0	0 0	0 0	800 0	0 0	10,250 10,250	927
9)	SNPBP—Bayside Park Improvements —Countywide	—3/2010	11,133 12,900	1,767 0	0 0	0 0	0 0	0 0	0 0	1,767 0	0 0	12,900 12,900	927
10)	SNPBP—ADA Compliance —Countywide	—3/2009	1,500 1,500	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,500 1,500	927
11)	Boating Related Improvements Countywide	3/2016	1,268 1,408	330 300	350 300	330 300	330 300	300 300	300 300	1,940 1,800	0 0	3,208 3,208	840

TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
12)	<del>Park Facilities Sewer Connections</del> <del>Countywide</del>	<del>3/2012</del>	<del>1,755</del> <del>1,805</del>	<del>50</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>50</del> <del>0</del>	<del>0</del> <del>0</del>	<del>1,805</del> <del>1,805</del>	650
13)	QNIP Bond Phase II - Local Park Improv . Unincorporated Miami-Dade County	3/2011	1,840 4,745	2,905 0	0 0	0 0	0 0	0 0	0 0	2,905 0	0 0	4,745 4,745	1087
14)	A.D. Barnes Park - BBCBP (Proj #24) 3401 SW 72 Ave.	3/2014	1,081 1,081	0 0	333 1,000	0 0	2,586 1,919	0 0	0 0	2,919 2,919	0 0	4,000 4,000	11,13,14, 27
15)	QNIP Bond Phase IV - Local Park Improv. Unincorporated Miami-Dade County	3/2011	809 853	44 0	0 0	0 0	0 0	0 0	0 0	44 0	0 0	853 853	1131
16)	Country Club of Mia Com.Cen.(Ferri Pr.)BBCI Miami Gardens Dr and Old Elm Rd	3/2011	1,523 1,523	577 577	0 0	0 0	0 0	0 0	0 0	577 577	0 0	2,100 2,100	13, 14, 17
17)	Beach Maintenance Facility - BBCBP Vicinity of 76 St and Collins Ave	3/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	500 500	500 500	23
18)	<del>Bird Lakes Park - BBCBP</del> <del>SW 144 Ave &amp; SW 47 St</del>	<del>3/2009</del>	<del>283</del> <del>283</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>283</del> <del>283</del>	1135
19)	Biscayne Shores Park - BBCBP NE 116 St & NE 14 Ave	3/2018	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,500 1,500	1,500 1,500	23, 24
20)	Briar Bay Park - BBCBP SW 128 St & 90 Ave	3/2012	58 250	142 0	50 0	0 0	0 0	0 0	0 0	192 0	0 0	250 250	13, 14
21)	Chuck Pezoldt Park - BBCBP SW 168 St & 157 Ave	<del>3/2014</del> 3/2017	10 10	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4,340 4,340	4,350 4,350	14, 23
22)	Colonial Drive Park - BBCBP 10750 SW 156 Ter	<del>3/2014</del> 3/2017	535 535	0 0	0 0	0 0	0 0	0 0	0 0	0 0	790 790	1,325 1,325	11, 13, 14, 23
23)	Continental Park - BBCBP	3/2011	248	77	0	0	0	0	0	77	0	325	13, 14, 17



TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
	10000 SW 82 Ave		248	77	0	0	0	0	0	77	0	325	
24)	Country Lake Park - BBCBP	3/2018	0	0	0	0	0	0	0	0	2,500	2,500	23, 24
	NW 195 St & NW 87 Ave		0	0	0	0	0	0	0	0	2,500	2,500	
25)	Country Village Park - BBCBP	3/2010	1,378	200	0	0	0	0	0	200	0	1,578	1135
	6550 NW 188 Ter		1,378	200	0	0	0	0	0	200	0	1,578	
26)	Deerwood Bonita Lakes Park - BBCBP	3/2011	617	158	0	0	0	0	0	158	0	775	14, 17
	SW 144 St & 122 Ave		617	158	0	0	0	0	0	158	0	775	
27)	Domino Park-West Perrine - BBCBP	3/2011	70	148	0	0	0	0	0	148	0	218	13, 14, 17
	SW 171 St & 104 Ave		70	148	0	0	0	0	0	148	0	218	
28)	Eden Lakes Park - BBCBP	3/2012	0	0	1,500	0	0	0	0	1,500	0	1,500	26
	SW 162 Ave & 47 St		0	0	1,500	0	0	0	0	1,500	0	1,500	
29)	Gloria Floyd Area - BBCBP	3/2013	0	0	0	0	0	0	0	0	250	250	23
	SW 126 St & 109 Ave	3/2017	0	0	0	0	0	0	0	0	250	250	
30)	Gwen Cherry Park - CD 2 -BBCBP	3/2011	2,418	82	0	0	0	0	0	82	0	2,500	11, 13, 14
	2591 NW 71 St		2,500	0	0	0	0	0	0	0	0	2,500	
31)	Homestead Bayfront Park - BBCBP	3/2012	2,796	854	350	0	0	0	0	1,204	0	4,000	11, 13, 14
	9698 NW Canal Dr		2,796	854	350	0	0	0	0	1,204	0	4,000	17, 27
32)	Ives Estates District Park - BBCBP	3/2016	676	0	0	0	0	0	0	0	19,324	20,000	11, 13, 14
	NE 16 Ave & NE 209 St	3/2019	676	0	0	0	0	0	0	0	19,324	20,000	23, 24, 25
33)	Jefferson Reaves Sr. Park - BBCBP	3/2017	94	0	0	0	0	0	0	0	106	200	11, 23
	3100 NW 50 St		94	0	0	0	0	0	0	0	106	200	
34)	Lago Mar Park - BBCBP	3/2011	114	0	0	0	0	0	0	0	886	1,000	11, 13, 14

TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	SW 162 Ave & SW 80 St	3/2017	114	0	0	0	0	0	0	0	886	1,000	23
35)	Lakes by the Bay Park - BBCBP	3/2018	0	0	1246	2254	0	12	61	3,573	927	4,500	1135
	SW 216 St & SW 85 Ave		0	0	1246	2254	0	12	61	3,573	927	4,500	
36)	Leisure Lakes Park - BBCBP	3/2012	55	0	1,220	0	0	0	0	1,220	0	1,275	13, 14, 26
	29305 Illinois Rd		55	0	1,220	0	0	0	0	1,220	0	1,275	
37)	Local Parks - Com.District 02 - BBCBP	3/2017	0	0	0	0	0	0	0	0	1,500	1,500	23
	Various Sites		0	0	0	0	0	0	0	0	1,500	1,500	
38)	Local Parks - Com.District 04 - BBCBP	3/2017	104	0	0	0	0	0	0	0	223	327	11, 13, 23
	Various Sites		104	0	0	0	0	0	0	0	223	327	
39)	Local Parks - Com.District 10 - BBCBP	3/2019	719	66	0	0	0	0	0	66	3,215	4,000	11, 14, 17,
	Various Sites		719	66	0	0	0	0	0	66	3,215	4,000	23, 24, 25
40)	Local Parks - Com.District 11- BBCBP	3/2019	871	21	60	0	0	0	0	81	2,548	3,500	11, 13, 14
	Various Sites		901	51	0	0	0	0	0	51	2,548	3,500	17, 23, 24
													25
41)	Local Parks - Com.District 13 - BBCBP	3/2017	608	0	0	0	0	0	0	0	675	1,283	11, 13, 14
	Various Sites		608	0	0	0	0	0	0	0	675	1,283	23
42)	Marva Bannerman Park - BBCBP	3/2017	0	0	0	0	0	0	0	0	150	150	23
	4830 NW 24 Ave.		0	0	0	0	0	0	0	0	150	150	
43)	Medsouth Park - BBCBP	3/2013	0	0	0	0	0	0	0	0	700	700	23
	SW 280 St. ans SW 130 Ave.	3/2017	0	0	0	0	0	0	0	0	700	700	
44)	Naranja Park - BBCBP	3/2012	1,175	825	0	0	0	0	0	825	0	2,000	11, 13, 14,
	14150 SW 264 St.		1,175	825	0	0	0	0	0	825	0	2,000	17
45)	North Glade Park (Meadow Wood Prk)BBCBP	3/2013	139	0	100	1,300	0	0	0	1,400	0	1,539	13, 18

TABLE 6

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## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	17355 NW 52 Ave.		139	0	1,400	0	0	0	0	1,400	0	1,539	
46)	North Shorecrest & Military Trail Park- BBCBP	3/2017	0	0	0	0	0	0	0	0	500	500	23
	801 NE 88 St.		0	0	0	0	0	0	0	0	500	500	
47)	North Trail Park - BBCBP	3/2013	0	0	930	829	0	0	0	1,759	0	1,759	18
	NW 8 St. and NW 127 Ave.		0	0	1,759	0	0	0	0	1,759	0	1,759	
48)	Oak Grove Park - BBCBP	<del>3/2013</del>	441	0	0	0	0	0	0	0	177	618	13, 14, 23
	690 NE 159 St.	3/2017	441	0	0	0	0	0	0	0	177	618	
49)	Olympic Park - BBCBP	<del>3/2014</del>	129	0	0	0	0	0	0	0	1,471	1,600	11, 13, 23
	8601 SW 152 Ave.	3/2017	129	0	0	0	0	0	0	0	1,471	1,600	
50)	Royal Colonial Park - BBCBP	<del>3/2013</del>	24	0	0	0	0	0	0	0	1,376	1,400	14, 23
	SW 147 Ave. and SW 280 St.	3/2017	24	0	0	0	0	0	0	0	1,376	1,400	
51)	Sergeant Joseph Delancy Park- BBCBP	<del>3/2012</del>	1,449	550	0	0	0	0	0	550	500	2,499	11, 13, 14,
	14450 Boggs Dr.	3/2017	1,449	550	0	0	0	0	0	550	500	2,499	17, 23
52)	Sharman Park - BBCBP	3/2012	0	0	600	0	0	0	0	600	0	600	27
	SW 219 St. and 123 Ave.		0	0	600	0	0	0	0	600	0	600	
53)	South Dade Park - BBCBP	<del>3/2014</del>	450	0	0	0	0	0	0	0	4,550	5,000	11, 13, 14,
	16350 SW 280 St.	3/2018	450	0	0	0	0	0	0	0	4,550	5,000	23, 24
54)	Southridge Park Improvements	3/2011	3,934	428	0	0	0	0	0	428	0	4,362	927,1087
	19355 SW 114 Ave.		4,362	0	0	0	0	0	0	0	0	4,362	
55)	West Perrine Park - BBCBP	<del>3/2012</del>	28	0	0	0	0	0	0	0	4,972	5,000	13, 14, 23
	17121 SW 104 Ave.	3/2017	28	0	0	0	0	0	0	0	4,972	5,000	
56)	Westwind Lakes Park - BBCBP	<del>3/2009</del>	2400	0	0	0	0	0	0	0	0	2,400	1135

TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	<del>SW 69 St. and SW 152 Ave.</del>		2400	0	0	0	0	0	0	0	0	2,400	
57)	Wild Lime Park - BBCBP 11341 SW 147 Ave.	<del>3/2013</del> 3/2018	0	0	0	0	0	0	0	0	1,500	1,500	23, 24
			0	0	0	0	0	0	0	0	1,500	1,500	
58)	African Heritage Cultural Arts Center - BBCBP 2166 NW 62 St.	3/2017	0	0	0	0	0	0	0	0	1,000	1,000	23
			0	0	0	0	0	0	0	0	1,000	1,000	
59)	Amelia Earhart Park - BBCBP (Proj #45) 11900 NW 42 Ave.	3/2019	828	103	3,932	0	0	0	0	4,035	18,137	23,000	11, 13, 14, 17, 18, 23, 24, 25, 26
			828	103	3,932	0	0	0	0	4,035	18,137	23,000	
60)	Arcola Lakes Park - BBCBP 1301 NW 83 St.	3/2012	518	2,482	3,000	0	0	0	0	5,482	0	6,000	11, 13, 14, 17
			518	5,482	0	0	0	0	0	5,482	0	6,000	
61)	Camp Matecumbe (Boystown) - BBCBP SW 120 St. and SW 137 Ave.	3/2017	480	0	50	0	0	0	0	50	5,470	6,000	11, 13, 14, 23, 27
			480	0	50	0	0	0	0	50	5,470	6,000	
62)	Camp Owaissa Bauer - BBCBP 17001 SW 264 St.	3/2011	867	132	0	0	0	0	0	132	0	999	11, 13, 14, 17
			867	132	0	0	0	0	0	132	0	999	
63)	Chapman Field Park - BBCBP 13601 Old Cutler Rd.	3/2017	1,184	266	0	0	0	0	0	266	3,550	5,000	11, 13, 17, 23
			1,184	266	0	0	0	0	0	266	3,550	5,000	
64)	Charles Deering Estate - BBCBP 16701 SW 72 Ave.	3/2017	1,097	203	50	0	0	0	0	253	3,650	5,000	11, 14, 17, 18, 23
			1,104	196	50	0	0	0	0	246	3,650	5,000	
65)	Crandon Park - BBCBP 4000 Crandon Blvd.	3/2019	7,654	1,805	4,604	0	0	0	0	6,409	8,937	23,000	11, 13, 14, 17, 18, 23, 24, 25, 27
			7,655	1,805	4,603	0	0	0	0	6,408	8,937	23,000	
66)	Greynolds Park - BBCBP 17530 W Dixie Hwy	3/2017	372	0	1,000	0	2,178	0	0	3,178	3,450	7,000	11, 14, 23, 27
			372	0	1,000	0	2,178	0	0	3,178	3,450	7,000	
67)	Haulover Park - BBCBP	3/2018	7,892	295	1,243	0	0	0	0	1,538	13,570	23,000	11, 13, 14,

TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
	10801 Collins Ave.		7,892	295	1,243	0	0	0	0	1,538	13,570	23,000	17, 23, 24, 25, 27
68)	Homestead Air Reserve Park - BBCBP	3/2019	261	0	1,065	400	750	750	1,121	4,086	10,710	15,057	11, 14, 18,
	SW 268 St. and SW 129 Ave.		261	0	2,465	1,621	0	0	0	4,086	10,710	15,057	23, 24, 25, 27
69)	Kendall Indian Hammocks Park - BBCBP	3/2017	60	0	0	0	0	0	0	0	5,940	6,000	11, 13, 23
	11395 SW 79 St.		60	0	0	0	0	0	0	0	5,940	6,000	
70)	Kendall Soccer Park - BBCBP	<del>3/2014</del>	4,900	0	0	0	0	0	0	0	850	5,750	11, 13, 14,
	SW 127 Ave. and 80 St.	3/2017	4,900	0	0	0	0	0	0	0	850	5,750	23, 650
71)	Larry and Penny Thompson Park - BBCBP	3/2019	157	0	0	0	0	0	0	0	6,443	6,600	11, 13, 23,
	12451 SW 184 St.		157	0	0	0	0	0	0	0	6,443	6,600	24, 25
72)	Matheson Hammock Park - BBCBP	3/2017	2,035	0	0	0	0	0	0	0	3,965	6,000	11, 13, 14,
	9610 Old Cutler Rd.		2,035	0	0	0	0	0	0	0	3,965	6,000	23
73)	Zoo Miami-Const.of Amazon+&PhIV-BBCBP	3/2019	18,719	0	0	0	0	0	0	0	12,281	31,000	11, 13, 18
	12400 SW 152 St.		18,719	0	0	0	0	0	0	0	12,281	31,000	
74)	Zoo Miami-Const.of PhV-FI Exhibit - BBCBP	3/2012	2,155	599	0	0	0	0	0	599	27,623	30,377	11, 13, 14,
	12400 SW 152 St.		2,155	599	0	0	0	0	0	599	27,623	30,377	17, 18
75)	Zoo Miami-Ph III-Impr. & Entry Way - BBCBP	<del>3/2014</del>	4,747	2,167	1,220	1,308	1,482	1,076	0	7,253	0	12,000	11, 13, 14,
	12400 SW 152 St.	3/2018	6,013	734	2,695	0	2,558	0	0	5,987	0	12,000	17, 18
76)	Redland Fruit & Spice Park - BBCBP	<del>3/2014</del>	2,705	0	0	0	0	0	0	0	1,295	4,000	11, 13, 14,
	24801SW 187 Ave.	3/2017	2,705	0	0	0	0	0	0	0	1,295	4,000	23
77)	Tamiami Park - BBCBP	3/2017	1,349	0	0	0	0	0	0	0	6,651	8,000	11, 13, 14,
	11201 SW 24 St.		1,349	0	0	0	0	0	0	0	6,651	8,000	23
78)	Trail Glades Range - BBCBP	3/2012	4,994	1,558	1,448	0	0	0	0	3,006	0	8,000	11, 13, 14,

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April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	SW 8 St. and 177 Ave.		4,994	1,558	1,448	0	0	0	0	3,006	0	8,000	17, 27
79)	Tree Islands Park - BBCBP	<del>3/2012</del>	567	17	46	0	0	0	0	63	4,370	5,000	11, 13, 14,
	SW 24 St. and SW 142 Ave.	3/2017	566	18	46	0	0	0	0	64	4,370	5,000	17, 18, 23
80)	Tropical Park - BBCBP	3/2017	1,976	56	1,000	1,500	2,662	2,000	936	8,154	8,370	18,500	11, 13, 14,
	7900 SW 40 St.		2,032	0	2,500	0	2,662	2,936	0	8,098	8,370	18,500	23, 27
81)	West Kendall District Park - BBCBP	3/2019	0	0	0	0	0	0	0	0	23,000	23,000	23, 24, 25
	SW 120 St. and 167 Ave.		0	0	0	0	0	0	0	0	23,000	23,000	
82)	Greenways & Trails-CDist.01-BBCBP(Pr#51)	3/2013	297	113	2,053	1,297	0	0	0	3,463	0	3,760	13, 14, 17,
	Various Sites		410	0	3,350	0	0	0	0	3,350	0	3,760	18, 821, 1002
83)	Greenways & Trails-CDist.09-BBCBP(Pr#51)	3/2014	472	490	1,433	1,000	800	0	0	3,723	0	4,195	14, 18, 20,
	Various Sites		962	0	2,433	0	800	0	0	3,233	0	4,195	821
84)	Greenways & Trails-CDist.08-BBCBP(Pr#51)	3/2012	699	358	2,093	0	0	0	0	2,451	0	3,150	13, 14, 18
	Various Sites		1,057	0	2,093	0	0	0	0	2,093	0	3,150	
85)	Three Bridges Greenway Projects	3/2011	180	758	0	0	0	0	0	758	0	938	821
	Various Sites		938	0	0	0	0	0	0	0	0	938	
86)	Dade County Auditorium - BBCBP	3/2017	0	0	0	0	73	927	1,000	2,000	6,000	8,000	23, 27
	2901 W. Flagler St.		0	0	0	0	2,000	0	0	2,000	6,000	8,000	
87)	Joseph Caleb Center Auditorium - BBCBP	3/2018	600	0	0	0	0	0	0	0	1,400	2,000	11, 14, 23,
	5400 NW 22 Ave.		600	0	0	0	0	0	0	0	1,400	2,000	24
88)	Marina Capital Plan	<del>3/2012</del>	2,878	1,706	1,262	90	300	800	0	4,158	0	7,036	885, 970,
	Various Sites	3/2015	4,535	1,565	112	230	275	319	0	2,501	0	7,036	1008,3766
89)	Westchester Arts Center - BBCBP	<del>3/2014</del>	84	0	0	0	0	0	0	0	3,916	4,000	11, 13, 14,

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## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	11201 SW 24 St.	3/2017	84	0	0	0	0	0	0	0	3,916	4,000	23
90)	Areawide & Local Parks - Park Improvements Countywide	3/2014	0	3,000	0	0	0	0	0	3,000	0	3,000	650
			0	3,000	0	0	0	0	0	3,000	0	3,000	
91)	Country Club of Miami C. Center (Ferri Prop.)	3/2010	1600	740	0	0	0	0	0	740	0	2,340	13, 14, 17
	— Miami Gardens Dr and Old Elm Rd		2340	0	0	0	0	0	0	0	0	2,340	
92)	Country Club of Miami Golf Course Improv.	3/2010	4358	384	0	0	0	0	0	384	0	4,742	650,999
	— 7620 Oakmont Cir		4742	0	0	0	0	0	0	0	0	4,742	
93)	Goulds Park - BBCBP	3/2013	996	305	0	0	0	0	0	305	364	1,665	11, 13, 14,
	21805 SW 114 Ave	3/2017	996	305	0	0	0	0	0	305	364	1,665	17, 23, 927
94)	Local Parks Projects Donated by CD-08	3/2009	1325	130	0	0	0	0	0	130	0	1,455	1164
	— Various Sites		1455	0	0	0	0	0	0	0	0	1,455	
95)	QNIP Bond Phase V - Local Park Improv. Unincorporated Miami-Dade County	3/2011	1,216	391	0	0	0	0	0	391	0	1,607	1184
			1,607	0	0	0	0	0	0	0	0	1,607	
96)	Miami Metrozoo Entertainment Area	2/2014	0	0	0	1063	0	0	0	1,063	0	1,063	507
	W&S Improvements - 12400 SW 152 St.		0	0	0	1063	0	0	0	1,063	0	1,063	
97)	Miami Metrozoo Entertainment Area	2/2014	0	0	0	451	0	0	0	451	0	451	507
	Lift Station & Sanitary Force Main-12400 SW 152 St.		0	0	0	451	0	0	0	451	0	451	
98)	Greenways & Trails - Black Creek /Bisc. Trls South Miami-Dade County	3/2011	550	450	0	0	0	0	0	450	0	1,000	821
			1,000	0	0	0	0	0	0	0	0	1,000	
99)	Greenways & Trails-Black Creek Trail,Seg B South Miami-Dade County	3/2011	0	0	900	0	0	0	0	900	0	900	821
			900	0	0	0	0	0	0	0	0	900	
										0			
100)	Haulover Beach Ocean Rescue - BBCBP	3/2011	1,577	523	0	0	0	0	0	523	0	2,100	11, 13, 14,

TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
	Haulover Beach Park		1,577	523	0	0	0	0	0	523	0	2,100	17, 1225
101)	West Perrine Senior Citizen Center - BBCBP SW 102 Ave and SW 172 St	3/2011	85	415	0	0	0	0	0	415	0	500	14, 17
			85	415	0	0	0	0	0	0	415	0	
102)	Bikepath Improvements Along Canals-BBCBF Various Sites	3/2012 3/2017	49	170	56	0	0	0	0	226	725	1,000	11, 14, 17, 18, 23
			49	170	56	0	0	0	0	0	226	725	
103)	Bikepath Imp On Snapper Creek Trail-BBCBF SW 117 Ave from SW 16 St - SW 107 Ave@SW 75	3/2014 3/2017	0	0	0	0	0	0	0	0	500	500	23
			0	0	0	0	0	0	0	0	0	500	
104)	Bikepath On Snake Creek Bridge - BBCBP I-95 at Snake Creek Canal	3/2012 3/2017	140	0	0	0	0	0	0	0	860	1,000	13, 14, 23
			140	0	0	0	0	0	0	0	0	860	
105)	Ludlam Bikepath - BBCBP FEC railroad from D-Land North to NW 12	3/2014 3/2017	293	400	291	0	0	0	0	691	1,735	2,719	23, 821
			984	0	0	0	0	0	0	0	0	1,735	
106)	Gwen Cherry Park Improvements 2591 NW 71 St	3/2009	257	100	0	0	0	0	0	100	0	357	650
			357	0	0	0	0	0	0	0	0	0	
107)	Brothers to the Rescue Mem. Park Parking Lot 7360 SW 24 St	1/2010	150	75	0	0	0	0	0	75	0	225	650
			225	0	0	0	0	0	0	0	0	0	
108)	New Haitian Comm. Center - BBCBP 690 NE 159 St	3/2014 3/2019	82	50	68	0	0	0	0	118	9,800	10,000	13, 14, 17, 18, 23, 24 25
			82	50	68	0	0	0	0	0	118	9,800	
	Subtotals		111,260	32,417	36,084	15,363	11,161	5,853	3,357	104,235	252,065	467,560	
			136,569	22,441	36,273	3,665	12,692	3,555	300	78,926	252,065	467,560	
Proposed Additions, April 2010 CDMP Amendment Cycle													
109)	Parking Pay Stations	3/2011	0	900	0	0	0	0	0	900	0	900	3766



TABLE 6

April 2010

## PARK and RECREATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
			2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	(In Thousands of Dollars)				
	Various Sites		900	0	0	0	0	0	0	0	0	900	
110)	CDBG Park Capital Improvements	3/2011	460	190	0	0	0	0	0	190	0	650	190
	Various		650	0	0	0	0	0	0	0	0	650	
111)	QNIP - Local Park Improv.	3/2011	525	139	0	0	0	0	0	139	0	664	1227
	Unincorporated Miami-Dade County		664	0	0	0	0	0	0	0	0	664	
112)	Zoo Miami-Amphitheatre Canopy & Seat.Area	3/2011	4,587	2,237	0	0	0	0	0	2,237	0	6,824	198,1106
	Zoo Miami		6,824	0	0	0	0	0	0	0	0	6,824	
113)	Safe Neig/hood Parks (SNP) Challenge Grant	3/2011	1,740	90	0	0	0	0	0	90	0	1,830	930
	Countywide		1,830	0	0	0	0	0	0	0	0	1,830	
114)	Miami River Greenway	3/2015	827	400	2,324	2,000	0	1,949	0	6,673	0	7,500	11,13,14,
	City of Miami		1,227	0	4,324	0	0	1,949	0	6,273	0	7,500	18,26,27
	Subtotals of Proposed Additions		8,139	3,956	2,324	2,000	0	1,949	0	10,229	0	18,368	
			12,095	0	4,324	0	0	1,949	0	6,273	0	18,368	
	TOTALS		119,399	36,373	38,408	17,363	11,161	7,802	3,357	114,464	252,065	485,928	
			148,664	22,441	40,597	3,665	12,692	5,504	300	85,199	252,065	485,928	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade County Park and Recreation Department and Department of Planning and Zoning.

Data provided by the Office of Strategic Business Management.

TABLE 7

April 2010

## SEAPORT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
1)	Gantry Container Cranes 13 & 14 Dante B. Fascell Port of Miami-Dade	1/2012	1,033 1,033	0 0	11,000 11,000	11,000 11,000	0 0	0 0	0 0	22,000 22,000	0 0	23,033 23,033	1000
2)	<del>Dredging Phase II Mitigation</del> <del>Oleta River North Miami</del>	<del>1/2011</del>	<del>3,066</del> <del>3,066</del>	<del>10</del> <del>10</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>10</del> <del>10</del>	<del>0</del> <del>0</del>	<del>3,076</del> <del>3,076</del>	1000
3)	<del>Waterside Surveillance Phase 2</del> <del>Dante B. Fascell Port of Miami-Dade</del>	<del>1/2009</del>	<del>2,762</del> <del>2,762</del>	<del>50</del> <del>50</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>50</del> <del>50</del>	<del>0</del> <del>0</del>	<del>2,812</del> <del>2,812</del>	1000,1141
4)	<del>Cruise Provisioning Inspection Facility</del> <del>Dante B. Fascell Port of Miami-Dade</del>	<del>1/2009</del>	<del>1,434</del> <del>1,434</del>	<del>20</del> <del>20</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>20</del> <del>20</del>	<del>0</del> <del>0</del>	<del>1,454</del> <del>1,454</del>	1000,1141
5)	Riprap Improvements to Pilot House Area Dante B. Fascell Port of Miami-Dade	1/2011	2,310 2,310	50 50	0 0	0 0	0 0	0 0	0 0	50 50	0 0	2,360 2,360	199,1000
6)	Communications Command & Control Center Dante B. Fascell Port of Miami-Dade	1/2011	6,872 6,872	30 30	0 0	0 0	0 0	0 0	0 0	30 30	0 0	6,902 6,902	1000,1141
7)	Seaport Tunnel Dante B. Fascell Port of Miami-Dade	2/2014	100,000 100,000	0 0	0 0	0 0	55,000 55,000	0 0	0 0	55,000 55,000	0 0	155,000 155,000	12, 1000
8)	Dredge III Dante B. Fascell Port of Miami-Dade	2/2015	7,132 7,132	2,997 2,997	24,000 24,000	73,730 73,730	55,000 55,000	2,725 2,725	0 0	158,452 158,452	0 0	165,584 165,584	142,821, 1000
9)	Cruise Terminal B & C Improvements Dante B. Fascell Port of Miami-Dade	1/2011	17,675 17,675	200 200	0 0	0 0	0 0	0 0	0 0	200 200	0 0	17,875 17,875	198,821, 1000
10)	<del>Electrical Feeder System Upgrade</del> <del>Dante B. Fascell Port of Miami-Dade</del>	<del>1/2009</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>3,000</del> <del>3,000</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>3,000</del> <del>3,000</del>	<del>0</del> <del>0</del>	<del>3,000</del> <del>3,000</del>	1000
11)	Infrastructure Improvements Dante B. Fascell Port of Miami-Dade	<del>1/2013</del> 1/2015	5,263 5,263	8,857 8,857	2,525 2,525	2,500 2,500	4,055 4,055	2,721 2,721	0 0	20,658 20,658	0 0	25,921 25,921	821,1000, 1141
12)	Gantry Berth Reinforcements Dante B. Fascell Port of Miami-Dade	3/2013	0 0	0 0	1,000 1,000	5,000 5,000	0 0	0 0	0 0	6,000 6,000	0 0	6,000 6,000	1000
13)	<del>Portwide Access Controls at Wharf Gates</del>	<del>1/2009</del>	<del>2,148</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>2,148</del>	1000,1141

TABLE 7

April 2010

## SEAPORT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
	— Dante B. Fascell Port of Miami-Dade		2,148	0	0	0	0	0	0	0	0	2,148	
14)	Wastewater Transmission Improvements	—1/2009	0	500	2,500	6,000	2,000	3,000	0	14,000	0	14,000	1000
	— Dante B. Fascell Port of Miami-Dade		0	500	2,500	6,000	2,000	3,000	0	14,000	0	14,000	
15)	Parking Garage Terminal D	—3/2010	11,620	1,538	0	0	0	0	0	1,538	0	13,158	821,1000
	— Dante B. Fascell Port of Miami-Dade		11,620	1,538	0	0	0	0	0	1,538	0	13,158	
16)	Container Yard Imp AP Moeller Maersk (APM)	—1/2014	0	1,000	3,000	3,000	3,000	3,000	3,000	16,000	0	16,000	1000
	— Dante B. Fascell Port of Miami-Dade		0	1,000	3,000	3,000	3,000	3,000	3,000	16,000	0	16,000	
17)	Container Yard Improvements - Seaboard	—1/2011	19,095	8,743	8,743	4,820	4,820	0	0	27,126	0	46,221	821,1000
	Dante B. Fascell Port of Miami-Dade	1/2014	19,095	8,743	8,743	4,820	4,820	0	0	27,126	0	46,221	
18)	Container Yard Stormceptor	—1/2009	1,400	100	0	0	0	0	0	100	0	1,500	1000
	— Dante B. Fascell Port of Miami-Dade		1,400	100	0	0	0	0	0	100	0	1,500	
19)	Gantry Crane Electrification	1/2011	820	1,580	0	0	0	0	0	1,580	0	2,400	821,1000
	Dante B. Fascell Port of Miami-Dade		820	1,580	0	0	0	0	0	1,580	0	2,400	
20)	Gantry Crane Refurbishment & Upgrade	—1/2009	50	2,133	1,150	0	0	0	0	3,283	0	3,333	1000
	Dante B. Fascell Port of Miami-Dade	1/2012	50	2,133	1,150	0	0	0	0	3,283	0	3,333	
21)	Cruise Terminals D and E Finalization	—2/2010	1,114	100	0	0	0	0	0	100	0	1,214	1000
	— Dante B. Fascell Port of Miami-Dade		1,114	100	0	0	0	0	0	100	0	1,214	
22)	Cruise Terminals D & E Upgrds for New Serv.	—2/2009	2,212	2,153	2,000	0	0	0	0	4,153	0	6,365	198,821,
	Dante B. Fascell Port of Miami-Dade	2/2012	2,212	2,153	2,000	0	0	0	0	4,153	0	6,365	1000
23)	Construction Supervision	3/2016	4,900	4,900	4,900	4,900	4,900	4,900	4,900	29,400	0	34,300	1000
	Dante B. Fascell Port of Miami-Dade		4,900	4,900	4,900	4,900	4,900	4,900	4,900	29,400	0	34,300	
24)	Fender Replacements	3/2011	527	10	0	0	0	0	0	10	0	537	1000
	Miami-Dade Seaport		527	10	0	0	0	0	0	10	0	537	
25)	Dredge III Bulkhead Strengthening	2/2013	2,000	15,500	25,000	20,000	0	0	0	60,500	0	62,500	821,1000
	Dante B. Fascell Port of Miami-Dade		2,000	15,500	25,000	20,000	0	0	0	60,500	0	62,500	

TABLE 7

April 2010

## SEAPORT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
26)	Access Controls for Federal TWIC Dante B. Fascell Port of Miami-Dade	2/2011	3,018 3,018	50 50	0 0	0 0	0 0	0 0	0 0	50 50	0 0	3,068 3,068	1000,1141
27)	Security Upgrades for Terminals D & E Dante B. Fascell Port of Miami-Dade	2/2011	2,009 2,009	30 30	0 0	0 0	0 0	0 0	0 0	30 30	0 0	2,039 2,039	1000,1141
28)	<del>South Wharf Access Road Dante B. Fascell Port of Miami-Dade</del>	<del>3/2010</del>	<del>0 0</del>	<del>500 500</del>	<del>0 0</del>	<del>0 0</del>	<del>0 0</del>	<del>0 0</del>	<del>0 0</del>	<del>500 500</del>	<del>0 0</del>	<del>500 500</del>	1000
29)	Cargo Gateway Security Susters Dante B. Fascell Port of Miami-Dade	1/2012	0 0	0 0	1,750 1,750	0 0	0 0	0 0	0 0	1,750 1,750	0 0	1,750 1,750	821,1000
Subtotals			174,916 174,916	47,233 47,233	82,068 82,068	121,950 121,950	123,775 123,775	10,346 10,346	4,900 4,900	390,272 390,272	0 0	565,188 565,188	
<u>Proposed Additions, April 2010 CDMP Amendment Cycle</u>													
30)	Wharf 1 Repairs Dante B. Fascell Port of Miami-Dade	1/2011	2,459 2,459	10 10	0 0	0 0	0 0	0 0	0 0	10 10	0 0	2,469 2,469	821,1000
31)	Cargo Bulkhead Rehabilitation Dante B. Fascell Port of Miami-Dade	1/2013	0 0	5,000 5,000	10,000 10,000	5,000 5,000	0 0	0 0	0 0	20,000 20,000	0 0	20,000 20,000	1000
32)	Cruise Terminals Bulkhead Repair Dante B. Fascell Port of Miami-Dade	1/2011	200 200	2,100 2,100	0 0	0 0	0 0	0 0	0 0	2,100 2,100	0 0	2,300 2,300	1000
33)	Railroad Bridge Improvement Dante B. Fascell Port of Miami-Dade	1/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3,837 3,837	3,837 3,837	1000
34)	Terminal Bulkhead Future Repair Dante B. Fascell Port of Miami-Dade	2/2015	0 0	0 0	0 0	0 0	20,000 20,000	20,000 20,000	0 0	40,000 40,000	0 0	40,000 40,000	1000
35)	Terminal F & G Upgrades Dante B. Fascell Port of Miami-Dade	1/2013	200 200	3,800 3,800	3,000 3,000	5,000 5,000	0 0	0 0	0 0	11,800 11,800	0 0	12,000 12,000	1000

TABLE 7

April 2010

## SEAPORT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
Subtotals of Proposed Additions			2,859	10,910	13,000	10,000	20,000	20,000	0	73,910	3,837	80,606	
			2,859	10,910	13,000	10,000	20,000	20,000	0	73,910	3,837	80,606	
TOTALS			177,775	58,143	95,068	131,950	143,775	30,346	4,900	464,182	3,837	645,794	
			177,775	58,143	95,068	131,950	143,775	30,346	4,900	464,182	3,837	645,794	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade County Seaport Department and Department of Planning and Zoning.

Data provided by the Office of Strategic Business Management.

TABLE 8

April 2010

## SEWER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
1)	Central M-D W.W.Tr.Mains & Pump St. Impr. W.W. System - Central District Area	3/2013	5,727 6,727	23,980 22,980	21,180 21,180	5,213 5,213	0 0	177,000 177,000	0 0	227,373 226,373	0 0	233,100 233,100	490,521, 1171,1222, 1262,1264
2)	Gravity Sewer Renovations Systemwide	1/2013	23,949 23,949	10,552 10,552	7,260 7,260	9,900 9,900	7,500 7,500	7,500 7,500	7,500 7,500	50,212 50,212	0 0	74,161 74,161	490,1170, 1171,1262, 1264
3)	Sanitary Sewer Improvements Systemwide	1/2014	494 6,895	1,939 800	1,775 689	1,075 0	775 0	775 0	775 0	7,114 1,489	776 0	8,384 8,384	497,521
4)	W.W. General Maintenance & Office Facilities Systemwide	3/2014	840 840	6,694 6,694	24,715 24,715	18,010 18,010	7,100 7,100	4,700 4,700	4,000 4,000	65,219 65,219	4,022 4,022	70,081 70,081	490,521, 1171,1262, 1264
5)	W.W. Telemetry System Systemwide	3/2011	6,169 6,169	2,626 2,626	0 0	0 0	0 0	0 0	0 0	2,626 2,626	0 0	8,795 8,795	490,1262, 1264
6)	Lift Station Upgrades & Struct. Maint. Impr. Systemwide	3/2013	8,412 8,412	3,475 3,475	6,476 6,476	8,752 8,752	9,741 9,741	9,741 9,741	6,212 6,212	44,397 44,397	0 0	52,809 52,809	490,1171, 1262,1264
7)	South District W.W.Tr. Mains&Pump St. Impr. W.W. System - South District Area	3/2013	714 714	2,460 2,460	5,983 5,983	28 28	0 0	0 0	0 0	8,471 8,471	0 0	9,185 9,185	521,1171, 1262,1264
8)	Wastewater System Maint. & Upgrades Systemwide	3/2013	18,166 18,166	10,328 10,328	10,417 10,417	10,417 10,417	10,417 10,417	10,417 10,417	10,417 10,417	62,413 62,413	0 0	80,579 80,579	490
9)	Pump Station Improvements Program Systemwide	3/2013	43,468 48,610	13,142 8,000	13,078 13,078	11,600 11,600	5,700 5,700	0 0	0 0	43,520 38,378	0 0	86,988 86,988	490,521,1170, 1171,1222, 1262,1264
10)	Corrosion Control Facilities Improvements Systemwide	1/2013	10,925 10,925	2,060 2,060	3,569 3,569	3,000 3,000	3,000 3,000	3,000 3,000	1,370 1,370	15,999 15,999	0 0	26,924 26,924	1170,1171 1262,1264
11)	Wastewater Engineering Studies Systemwide	3/2010	400 400	500 500	100 100	0 0	0 0	0 0	0 0	600 600	0 0	1,000 1,000	1171,1222, 1262
12)	Sanitary Sewer System Extension	3/2014	39,982	7,168	4,089	2,113	2,113	2,113	2,113	19,709	548	60,239	490,1026,

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## SEWER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
	Systemwide		42,982	5,668	2,589	2,113	2,113	2,113	2,113	16,709	548	60,239	1171,1262,1264
13)	Peak Flow Management Facilities Systemwide	<del>4/2016</del> 1/2018	18,330 21,356	24,453 24,482	93,784 90,730	120,485 120,484	240,865 240,865	211,512 211,512	109,621 109,621	800,720 797,694	165,555 165,555	984,605 984,605	490,521,1170, 1171,1179, 1262,1264
14)	W.W. Equipment & Vehicles Systemwide	3/2013	22,805 32,321	13,232 13,232	8,575 8,244	8,233 5,562	5,562 5,562	5,562 5,562	5,562 5,562	46,726 43,724	6,514 0	76,045 76,045	490
15)	Central District Upgrades - W.W.T.P. Virginia Key	3/2015	5,021 10,175	23,877 21,499	47,718 44,942	28,742 28,742	12,875 12,875	2,390 2,390	0 0	115,602 110,448	0 0	120,623 120,623	490,521, 1170,1171 1262,1264
16)	North District Upgrades - W.W.T.P. 2575 NE 151 St.	<del>3/2013</del> 3/2016	4,520 4,520	17,801 17,801	51,156 51,156	33,768 33,768	18,471 18,471	3,909 3,909	77 77	125,182 125,182	0 0	129,702 129,702	490,521, 1170,1171 1262,1264
17)	South District Upgrades - W.W.T.P. 8950 SW 232 St.	1/2015	7,904 7,904	17,351 17,351	36,236 36,236	13,691 13,691	1,279 1,279	1,279 1,279	0 0	69,836 69,836	0 0	77,740 77,740	521,1170, 1171,1262, 1264
18)	W.W. Treatment Repl. & Renovation. Systemwide	3/2013	19,949 19,949	8,417 8,417	4,289 4,289	4,289 4,289	4,289 4,289	4,289 4,289	4,289 4,289	29,862 29,862	5,434 5,434	55,245 55,245	490,1171 1262
19)	Pump Station Generators & Misc. Upgrades Systemwide	3/2014	1,375 1,375	9,660 9,660	13,395 13,395	14,545 14,545	12,965 12,965	15,840 15,840	6,300 6,300	72,705 72,705	0 0	74,080 74,080	490,1171, 1262,1264
20)	W.W.T.P. Automation Enhancements. Systemwide	3/2013	7,237 7,237	1,638 1,638	3,123 3,123	4,581 4,581	1,827 1,827	0 0	0 0	11,169 11,169	0 0	18,406 18,406	521,1170, 1171,1262, 1264
21)	W.W.T.P. Miscellaneous Upgrades Wastewater Treatment Plants	3/2014	159 159	3,155 3,155	4,454 4,454	1,484 1,484	3,097 3,097	2,869 2,869	0 0	15,059 15,059	0 0	15,218 15,218	1171,1262, 1264
22)	North M-D W.W.Tr. Mains & Pump St. Improv. Wastewater System - North District Area	3/2013	4,471 4,471	1,490 1,490	12,350 12,350	7,000 7,000	0 0	0 0	0 0	20,840 20,840	0 0	25,311 25,311	1170,1171 1262,1264
23)	South District W.W.T.P Expansion (Ph III) 8950 SW 232 St.	<del>3/2015</del> 2/2017	2,187 2,187	2,583 2,583	2,530 2,530	5,162 5,162	4,348 4,348	10,397 10,397	9,200 9,200	34,220 34,220	327 327	36,734 36,734	490,521, 1171,1262,

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## SEWER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
24)	South District W.W.T.P.-High Level Disinfect. 8950 SW 232 St.	2/2014	335,811 365,496	119,675 94,151	59,476 55,316	7,588 7,587	437 437	0 0	0 0	187,176 157,491	0 0	522,987 522,987	1264 490,521,951, 1170,1171, 1177,1262,126
25)	<del>Village of Key Biscayne Reuse Distr. System</del> <del>Village of Key Biscayne</del>	<del>3/2009</del>	<del>1,095</del> <del>2,000</del>	<del>905</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>905</del> <del>0</del>	<del>0</del> <del>0</del>	<del>2,000</del> <del>2,000</del>	<del>914</del>
26)	Biscayne Bay Coastal Wetlands Rehydr.Pilot Systemwide	2/2015	4,335 4,335	1,000 1,000	3,500 3,500	3,500 3,500	2,500 2,500	4,814 4,814	0 0	15,314 15,314	0 0	19,649 19,649	914,961
27)	North Dist.W.W.T.P.Reuse Projects - Plant W.W. System - North District Area	2/2012	1,021 1,021	6,736 6,736	6,740 6,740	0 0	0 0	0 0	0 0	13,476 13,476	0 0	14,497 14,497	914,961
28)	Central District W.W.T.P. Reuse Project W.W. System - Central District Area	2/2013	3,961 3,961	1,500 1,500	9,597 9,597	17,509 17,509	0 0	0 0	0 0	28,606 28,606	0 0	32,567 32,567	490, 521, 914, 961
29)	South District W.W.T.P. Reuse Project Ph. 1 (30 mgd)	2/2015	20,000 20,000	15,000 15,000	75,000 75,000	150,000 150,000	50,000 50,000	20,000 20,000	0 0	310,000 310,000	0 0	330,000 330,000	521,961
30)	West District W.R.P. Canal Recharge Ph. 2 (21 mgd) (WR-B) Land Acquisition	2/2025	10,040 10,040	1,129 1,129	2,248 2,248	2,249 2,249	2,249 2,249	11,383 11,383	586,308 586,308	605,566 605,566	0 0	615,606 615,606	961
30B)	West District W.R.P. - Injection Well Pump St W.W. Systemwide	3/2015	0 0	0 0	0 0	0 0	0 0	8 8	804 804	812 812	57,396 57,396	58,208 58,208	961
30C)	West District W.R.P. - Biosolids Proc. Fac. W.W. Systemwide	3/2015	0 0	0 0	0 0	0 0	0 0	0 0	4 4	4 4	106,326 106,326	106,330 106,330	961
31)	<del>North District W.W.T.P. Injection Wells Impr.</del> <del>ND Floridian Aq. Monitoring W.W. Systemwide</del>	<del>3/2015</del>	<del>240</del> <del>412</del>	<del>172</del> <del>0</del>	<del>360</del> <del>360</del>	<del>2,731</del> <del>2,731</del>	<del>1,325</del> <del>1,325</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>4,588</del> <del>4,416</del>	<del>0</del> <del>0</del>	<del>4,828</del> <del>4,828</del>	914,961
32)	South District W.W.T.P - Pipeline from SD to Metrozoo W.W. System - South District Area	3/2015	3,337 3,337	12,871 12,871	12,072 12,072	0 0	0 0	0 0	0 0	24,943 24,943	0 0	28,280 28,280	521,961



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## SEWER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
33)	CL-E 72 Inch Influent to Proposed W.D.W. Reclamation Plant (WDWRP)	3/2015	0 0	0 0	0 0	0 0	0 0	0 0	4 4	4 4	95,794 95,794	95,798 95,798	961
34)	SR-D 72 Inch Reclaimed Water Pipeline SDWWTP to FPL (Turkey Pt)	3/2015	0 0	0 0	0 0	0 0	95,000 95,000	0 0	0 0	95,000 95,000	0 0	95,000 95,000	961
35)	WE-B Deep Injection Well	3/2015	0 0	0 0	0 0	0 0	0 0	0 0	4 4	4 4	82,726 82,726	82,730 82,730	961
36)	Miami Springs Sewer System — Miami Springs	3/2013	515 513	622 622	413 415	0 0	0 0	0 0	0 0	1,035 1,037	0 0	1,550 1,550	1135
37)	Outfall Legislation Systemwide	3/2020	136 136	6,028 6,028	16,647 16,647	4,878 4,878	1,846 1,846	29,882 29,882	138,807 138,807	198,088 198,088	386,394 386,394	584,618 584,618	1171,1262, 1264
Subtotals			632,085 695,181	372,692 335,866	561,892 548,985	500,543 496,795	505,281 504,506	539,380 538,605	893,367 892,592	3,373,155 3,317,349	911,812 904,522	4,917,052 4,917,052	
Proposed Additions, April 2010 CDMP Amendment Cycle													
38)	Mun/WASD Projects - (GOB) -17-19 Various	3/2010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	19,895 19,895	19,895 19,895	18
39)	Upgrade of Miami Spr.Pump St. -(GOB)-17-23 Various	3/2010	909 909	0 0	0 0	0 0	0 0	0 0	0 0	0 0	641 641	1,550 1,550	14,18
40)	Needs Assessments Projects -(GOB)-17-21 Various (Wastewater 20%)	3/2010	1,230 1,231	330 329	0 0	0 0	0 0	0 0	0 0	330 329	3,328 3,328	4,888 4,888	11,13,14, 17,23,24
41)	NW 37 Ave Industrial Dev. Area -(GOB)-17-18 NW 37th Ave & NW 36 St (W.Water 50%)	3/2010	322 322	0 0	764 1,764	1,000 0	1,000 1,000	0 0	0 0	2,764 2,764	1,914 1,914	5,000 5,000	11,13,14, 23,26,27
42)	Perrine /Cutler Improv. -(GOB)-17-17	3/2010	942	5,342	393	0	0	0	0	5,735	3,112	9,789	11,13,17,

TABLE 8

April 2010

## SEWER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
	Various (Wastewater 70%)		1,033	5,251	393	0	0	0	0	5,644	3,112	9,789	18,23,24
43)	System Enhancements -(GOB)-17-13	3/2010	2,534	1,322	155	0	0	0	0	1,477	10,993	15,004	11,14,17,
	Various (Wastewater 50%)		2,534	1,322	155	0	0	0	0	1,477	10,993	15,004	18,23,24, 25
44)	System Improvements Project -(GOB)-17-12	3/2010	967	0	0	0	0	0	0	0	42,423	43,390	11,13,14,
	Various (Wastewater 50%)		967	0	0	0	0	0	0	0	42,423	43,390	23,24
45)	W.W. Pipes & Infrastructure Projects	2/2011	0	10,000	0	0	0	0	0	10,000	0	10,000	490
	Various		0	10,000	0	0	0	0	0	10,000	0	10,000	
46)	W.W. Rate Enhancement Projects	2/2011	0	5,000	0	0	0	0	0	5,000	0	5,000	490
	Various		0	5,000	0	0	0	0	0	5,000	0	5,000	
Subtotals of Proposed Additions			6,904	21,994	1,312	1,000	1,000	0	0	25,306	82,306	114,516	
			6,996	21,902	2,312	0	1,000	0	0	25,214	82,306	114,516	
TOTALS			638,989	394,686	563,204	501,543	506,281	539,380	893,367	3,398,461	994,118	5,031,568	
			702,177	357,768	551,297	496,795	505,506	538,605	892,592	3,342,563	986,828	5,031,568	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade Water and Sewer Department and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.

TABLE 9

April 2010

## SOLID WASTE MANAGEMENT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
1)	South Dade Landfill - Cell 3 Closure 24000 SW 97 Ave.	3/2012	13,405 13,405	190 190	35 35	0 0	0 0	0 0	0 0	225 225	0 0	13,630 13,630	450,966 972,1027, 1140 450
2)	Environmental Improvements Various Sites	3/2017	0 0	100 100	100 100	100 100	100 100	100 100	100 100	600 600	100 100	700 700	
3)	South Dade Landfill Gr/water Remediation 24000 SW 97 Ave.	3/2017	578 578	50 50	50 50	20 20	10 10	10 10	42 42	182 182	10 10	770 770	450,1027
4)	Trash & Recycling Center Improvements Various Sites	3/2017	0 0	100 100	100 100	100 100	100 100	100 100	100 100	600 600	100 100	700 700	451
5)	Collection Facility Improvements Various Sites	3/2017	0 0	100 100	100 100	100 100	100 100	100 100	100 100	600 600	100 100	700 700	451
6)	Resources Recovery Cells 17 & 18 Closure 6990 NW 97 Ave.	3/2012	2,365 2,365	610 610	25 25	0 0	0 0	0 0	0 0	635 635	0 0	3,000 3,000	450
7)	North Dade Landfill Gas Extr.Syst. - (Phase I 21500 NW 47 Ave.	3/2017	1,093 2,165	105 0	105 0	105 0	105 0	105 0	290 0	815 0	257 0	2,165 2,165	1027,1140
8)	Disposal Facilities Improvements Countywide	3/2011	0 0	100 100	100 100	100 100	100 100	100 100	100 100	600 600	100 100	700 700	450
9)	North Dade Landfill Gr/water Remediation 21500 NW 47 Ave.	3/2017	0 0	200 200	1,000 1,000	130 130	50 50	50 50	50 50	1,480 1,480	20 20	1,500 1,500	450
10)	Central Transfer Station Compactor Repl. 1150 NW 20 St.	3/2012	2,787 2,787	150 150	1,263 1,263	0 0	0 0	0 0	0 0	1,413 1,413	0 0	4,200 4,200	450,1027
11)	NE Transfer Station Compactors Repl/ment 18701 NE 6 Ave.	3/2009	1,951 1,951	1,000 1,000	49 49	0 0	0 0	0 0	0 0	1,019 1,019	0 0	2,970 2,970	450,1027
12)	West/Southwest Trash & Recycling Center 28900 SW 202 Ave	3/2014	319 319	40 40	100 100	1,271 1,271	300 300	0 0	0 0	1,711 1,711	0 0	2,030 2,030	451

TABLE 9

April 2010

## SOLID WASTE MANAGEMENT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
13)	<del>58th St. Home Chem. Coll. C &amp; Area Drain. Im.</del> <del>NW 58th St. and NW 87 Ave.</del>	<del>3/2010</del>	321 321	160 160	29 29	0 0	0 0	0 0	0 0	189 189	0 0	510 510	450
14)	NE Transfer St. Surge Pit Tipping Floor Roof 18701 NE 6th Ave.	3/2012	422 422	200 200	78 78	0 0	0 0	0 0	0 0	278 278	0 0	700 700	450
15)	NE Transfer St. Surge Pit Tunnel Roof 18701 NE 6th Ave.	3/2012	398 398	140 140	12 12	0 0	0 0	0 0	0 0	152 152	0 0	550 550	450
16)	Replacement of Scales at Disp. Facilities Various Sites	3/2017	0 0	40 40	0 0	40 40	0 0	40 40	40 40	160 160	40 40	200 200	450
17)	South Dade Landfill Cell 5 Closure 24000 SW 97 Ave.	3/2023	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15,730 15,730	15,730 15,730	965
18)	Virginia Key Landfill Study and Closure Grant Virginia Key	3/2013	650 28,285	2,550 0	24,625 0	17,825 17,365	0 0	0 0	0 0	45,000 17,365	0 0	45,650 45,650	965,1140
19)	South Dade Landfill Cell 4 Closure 24000 SW 97 Ave.	3/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	14,600 14,600	14,600 14,600	965
20)	South Dade Landfill Cell 5 Construction 24000 SW 97 Ave.	3/2014	996 954	848 848	5,952 6,665	4,336 3,665	2,783 2,783	0 0	0 0	13,919 13,961	0 0	14,915 14,915	11,13,14, 17,18,20, 450
21)	Scalehouse Expansion Project Various Sites	3/2013	413 413	100 100	100 100	287 287	0 0	0 0	0 0	487 487	0 0	900 900	450
22)	Resources Recovery Cell 20 Construction 6990 NW 97 Ave.	3/2013	300 300	100 100	2,000 2,000	1,450 1,450	0 0	0 0	0 0	3,550 3,550	0 0	3,850 3,850	450
23)	North Dade Landfill East Cell Closure 21500 NW 47 Ave.	3/2017	0 0	0 0	0 0	0 0	100 100	400 400	0 0	500 500	19,450 19,450	19,950 19,950	450,965
24)	Resources Recovery Ash Landfill Cell 19 Cl.	3/2016	0	10	190	1,500	1,000	250	50	3,000	0	3,000	450

TABLE 9

April 2010

## SOLID WASTE MANAGEMENT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	6990 NW 97 Ave.		0	0	200	1,500	1,000	250	50	3,000	0	3,000	
25)	New Access Rd to Home Chem.Coll. Cent. 8831 NW 58 St	3/2014	405	0	295	80	80	0	0	455	0	860	450
			405	0	295	80	80	0	0	455	0	860	
26)	Disposal Facility Exit Scales Various Sites	3/2013	0	0	50	50	0	0	0	100	0	100	450
			0	0	50	50	0	0	0	100	0	100	
27)	Resources Recov. Ash Landfill Cell 20 Clos. 6990 NW 97 Ave	3/2016	0	0	0	0	0	0	5,000	5,000	0	5,000	450
			0	0	0	0	0	0	5,000	5,000	0	5,000	
28)	West Transfer Station Tipping Floor 2900 SW 72 Ave	3/2013	213	100	300	37	0	0	0	437	0	650	450
			213	100	300	37	0	0	0	437	0	650	
29)	58 Street Truckwash Facility 8831 NW 58 St.	3/2012	90	100	810	0	0	0	0	910	0	1,000	450,451
			90	100	810	0	0	0	0	910	0	1,000	
30)	Disposal System Facilities B/up Power Gen. Various Sites	3/2012	260	20	98	0	0	0	0	118	0	378	450
			260	20	98	0	0	0	0	118	0	378	
31)	S Dade Landfill Cell 4 Gas Extr.&Odor Contrc 24000 NW 97 Ave	3/2015	280	100	420	350	100	100	50	1,120	100	1,500	450
			280	100	420	350	100	100	50	1,120	100	1,500	
32)	<del>Bus Stop Litter Bin Replacement</del> <del>Unincorporated Miami-Dade County</del>	<del>3/2009</del>	0	0	0	0	0	0	0	0	0	0	650
			0	0	0	0	0	0	0	0	0	0	
33)	Resources Recovery - Cap.Improv.Proj. 6990 NW 97 Ave	3/2012	1,856	2,500	644	0	0	0	0	3,144	0	5,000	450,1106
			1,856	2,500	644	0	0	0	0	3,144	0	5,000	
34)	<del>3A New Facility Building</del> <del>18701 NE 6 Ave</del>	<del>3/2011</del>	200	1,680	670	0	0	0	0	2,350	0	2,550	450,451
			200	1,680	670	0	0	0	0	2,350	0	2,550	
35)	<del>58 Street Building Renovation</del> <del>8831 NW 58 St</del>	<del>3/2011</del>	0	600	50	0	0	0	0	650	0	650	451
			0	600	50	0	0	0	0	650	0	650	

TABLE 9

April 2010

## SOLID WASTE MANAGEMENT

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										
Subtotals			26,830	8,553	38,552	27,881	4,928	1,355	5,922	87,192	50,607	164,629		
			55,495	5,888	14,545	26,645	4,823	1,250	5,632	58,784	50,350	164,629		
<u>Proposed Additions, April 2010 CDMP Amendment Cycle</u>														
36)	Munisport Landfill Closure Grant	3/2013	9,925	1,500	12,500	8,449	0	0	0	22,449	0	32,374	450,1140	
	NE 145 St and Biscayne Blvd		32,374	0	0	0	0	0	0	0	0	32,374		
Subtotals of Proposed Additions			9,925	1,500	12,500	8,449	0	0	0	22,449	0	32,374		
			32,374	0	0	0	0	0	0	0	0	32,374		
TOTALS			36,755	10,053	51,052	36,330	4,928	1,355	5,922	109,641	50,607	197,003		
			87,869	5,888	14,545	26,645	4,823	1,250	5,632	58,784	50,350	197,003		

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade County Department of Solid Waste Management and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.

TABLE 10

April 2010

## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
1)	Traffic Control Devices - Equip. & Materials Countywide	1/2025	0	750	750	750	750	750	0	3,750	0	3,750	670
			0	750	750	750	750	750	0	3,750	0	3,750	
2)	Widen NE 15 Ave from 159 St to NE 163 St.	1/2010	5,451	743	0	0	0	0	0	743	0	6,194	500
	NE 15 Ave from NE 159 St to NE 163 St.		6,194	0	0	0	0	0	0	0	0	6,194	
3)	Causeway Toll System Upgrade Rickenbacker & Venetian Causeway	3/2010	999	3,501	0	0	0	0	0	3,501	0	4,500	440,3371
			999	3,501	0	0	0	0	0	3,501	0	4,500	
4)	Road Resurfacing - Unincorp. M-D County Unincorporated Miami-Dade County	3/2025	0	150	0	0	0	0	0	150	0	150	1107
			0	150	0	0	0	0	0	150	0	150	
5)	Railroad Improvements Countywide	3/2025	50	200	50	50	50	50	0	400	0	450	670
			200	50	50	50	50	50	0	250	0	450	
6)	Street Lighting Maintenance Various Sites	3/2025	0	3,000	3,000	3,000	3,000	3,000	0	15,000	0	15,000	670,821
			0	3,000	3,000	3,000	3,000	3,000	0	15,000	0	15,000	
7)	Bridge Repair and Painting Countywide	3/2025	400	500	400	400	400	400	0	2,100	0	2,500	670
			500	400	400	400	400	400	0	2,000	0	2,500	
8)	Maintenance of Roads & Bridges Countywide	3/2025	0	500	500	500	500	500	0	2,500	0	2,500	670
			0	500	500	500	500	500	0	2,500	0	2,500	
9)	Widen NW 87 Ave NW 87 Ave from NW 154 St.- 186 St.	3/2012	1,696	6,500	6,369	0	0	0	0	12,869	0	14,565	1107,1116
			1,696	6,500	6,369	0	0	0	0	12,869	0	14,565	
10)	Widen SW 127 Ave	1/2009	8,400	5,042	0	0	0	0	0	5,042	0	13,442	500,1107,
	SW 127 Ave from SW 88 St to 120 St		8,400	5,042	0	0	0	0	0	5,042	0	13,442	1116
11)	KTC Intersection Improvements Killian Pkwy, various Intersections	2/2010	0	180	0	0	0	0	0	180	0	180	507
			0	0	0	0	0	0	0	180	0	180	

TABLE 10

April 2010

## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
12)	KTC Traffic Signals Sunset Drive, SW 157 & 162 Ave.	2/2010	0	250	0	0	0	0	0	250	0	250	507
			0	0	0	0	0	0	0	250	0	250	
13)	SW 137 Ave, Sunset Dr to Kendall Dr Widen to 6 lanes	1/2010	0	1,000	0	0	0	0	0	1,000	0	1,000	507
			0	1,000	0	0	0	0	0	1,000	0	1,000	
14)	SW 137 Ave, Miller Dr to Sunset Dr Widen to 6 lanes	3/2015	0	0	0	0	0	0	0	0	1,000	1,000	507
			0	0	0	0	0	0	0	0	1,000	1,000	
15)	Widen NW 74 St NW 74 St from HEFT to SR826	1/2010	30,022	2,500	1,500	6,000	5,593	0	0	15,593	0	45,615	500,821,
			30,022	2,500	1,500	6,000	5,593	0	0	15,593	0	45,615	1107,1116
16)	<del>NW 127 Ave.: NW 8 St. to SW 12 St.</del> <del>Widen to 4 Lanes</del>	<del>3/2009</del>	0	3,900	0	0	0	0	0	3,900	0	3,900	507
			0	3,900	0	0	0	0	0	3,900	0	3,900	
17)	NW 17 St.: NW 127 Ave. to NW 137 Ave. New 4 Lanes	2/2010	0	3,800	0	0	0	0	0	3,800	0	3,800	507
			0	3,800	0	0	0	0	0	3,800	0	3,800	
18)	NW 137 Ave.: NW 12 St. to NW 17 St. New 4 Lanes	2/2010	0	1,900	0	0	0	0	0	1,900	0	1,900	507
			0	1,900	0	0	0	0	0	1,900	0	1,900	
19)	NW 25 St.: NW 127 Ave. to NW 132 Ave. New 2 Lanes	2/2010	0	1,200	0	0	0	0	0	1,200	0	1,200	507
			0	1,200	0	0	0	0	0	1,200	0	1,200	
20)	NW 122 Ave.: NW 25 St. to NW 41 St. New 2 Lanes	2/2010	0	2,500	0	0	0	0	0	2,500	0	2,500	507
			0	2,500	0	0	0	0	0	2,500	0	2,500	
21)	Guardrail Safety Improvements Countywide	1/2025	0	100	100	100	100	100	0	500	0	500	670
			0	100	100	100	100	100	0	500	0	500	
22)	Widening SW 184 Street SW 184 St from SW 137 Ave.- 147 Ave.	1/2011	3,700	2,385	0	0	0	0	0	2,385	0	6,085	500
			3,700	2,385	0	0	0	0	0	2,385	0	6,085	



TABLE 10

April 2010

## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
23)	Beautification Improvements Countywide	3/2025	2,700 2,900	2,700 2,500	2,500 2,500	2,500 2,500	2,500 2,500	2,500 2,500	0 0	12,700 12,500	0 0	15,400 15,400	670
24)	People's Transp. Plan Neighborhood Improv. Countywide	3/2013	11,622 11,622	10,840 10,840	9,956 9,956	11,300 11,300	9,391 9,391	0 0	0 0	41,487 41,487	0 0	53,109 53,109	1116
25)	<del>Rickenbacker Bearcut Fishing Catwalk Demo.</del> <del>Rickenbacker Causeway</del>	<del>3/2017</del>	400 400	300 300	0 0	0 0	0 0	0 0	0 0	300 300	0 0	400 400	1135
26)	Widen SW 328 St SW 328 St from US-1 to SW 162 Ave	<del>1/2014</del> 1/2015	0 0	4,000 4,000	400 400	400 400	400 400	400 400	0 0	5,600 5,600	0 0	5,600 5,600	500
27)	Reconstruction of SW 62 Avenue From SW 64 St to SW 70 St.	3/2012	1,390 1,390	1,200 1,200	257 257	0 0	0 0	0 0	0 0	1,457 1,457	0 0	2,847 2,847	1107,1116
28)	Improvements on SW 62 Ave From SW 24 St to NW 7 St.	3/2011	7,464 7,464	2,515 2,515	0 0	0 0	0 0	0 0	0 0	2,515 2,515	0 0	9,979 9,979	1107,1116
29)	<del>Widen SW 160 Street</del> <del>SW 160 St from SW 137 Ave SW 147 Ave</del>	<del>3/2010</del>	6,345 6,345	1,595 1,595	0 0	0 0	0 0	0 0	0 0	1,595 1,595	0 0	7,940 7,940	1107,1116
30)	Construction of NW 138 St Bridge NW 138 St and the Miami River Canal	1/2012	680 680	3,125 3,125	2,725 2,725	0 0	0 0	0 0	0 0	5,850 5,850	0 0	6,530 6,530	1107,1116
31)	Improvements on NE 2 Ave (NE 36 - 43 St) From NE 36 St to NE 43 St.	3/2012	5 5	0 0	3,385 3,385	0 0	0 0	0 0	0 0	3,385 3,385	0 0	3,390 3,390	1107,1116
32)	Improvements on NE 2 Ave (NE 43 - 62 St) From NE 43 St to NE 62 St.	<del>3/2010</del> 3/2013	5 5	0 0	4,600 4,600	4,525 4,525	0 0	0 0	0 0	9,125 9,125	0 0	9,130 9,130	1107,1116
33)	Advanced Traffic Management Syst.(ATMS) Countywide	3/2010	23,577 23,577	16,000 16,000	14,499 14,499	4,672 4,672	0 0	0 0	0 0	35,171 35,171	0 0	58,748 58,748	500,821, 1090,1107, 1116

TABLE 10

April 2010

## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										
34)	Venetian Causeway Steetscape Venetian Causeway	1/2011	4,569 7,169	3,300 700	0 0	0 0	0 0	0 0	0 0	3,300 700	0 0	7,869 7,869	350,440 500,821	
35)	Americans with Disabilities Act Hotline Proj. Countywide	3/2025	216 400	184 0	0 0	0 0	0 0	0 0	0 0	184 0	0 0	400 400	1137	
36)	<del>Constr. of SW 157 Ave. from SW 136 St. to SW 120 St.</del> <del>SW 157 Ave. from SW 120 St. to SW 136 St.</del>	<del>3/2010</del>	<del>4,944</del> 4,944	<del>4,441</del> 4,441	<del>0</del> 0	<del>0</del> 0	<del>0</del> 0	<del>0</del> 0	<del>0</del> 0	<del>4,441</del> 4,441	<del>0</del> 0	<del>9,385</del> 9,385	1107,1116	
37)	Infrastr. Improv. in the Uninc. Area - CD 01 To be Determined	<del>3/2014</del> 3/2019	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,500 1,500	1,500 1,500	23,24,25	
38)	Widen SW 27 Ave. from US-1 to Bayshore Dr. SW 27 Ave. from US-1 to Bayshore Dr.	3/2013	935 935	1,800 1,800	1,600 1,600	1,600 1,600	0 0	0 0	0 0	5,000 5,000	0 0	5,935 5,935	1107,1116	
39)	<del>Widen SW 136 St. from SW 139 Ave to 154 Ave</del> <del>SW 136 St. from SW 139 Ave SW 154 Ave</del>	<del>3/2009</del>	<del>5,730</del> 5,730	<del>1,285</del> 1,285	<del>0</del> 0	<del>0</del> 0	<del>0</del> 0	<del>0</del> 0	<del>0</del> 0	<del>1,285</del> 1,285	<del>0</del> 0	<del>7,015</del> 7,015	1107,1116	
40)	Street Light Retrofit Countywide	3/2010	5,005 5,005	906 906	0 0	0 0	0 0	0 0	0 0	906 906	0 0	5,911 5,911	1107,1116	
41)	Widen SW 137 Ave. from HEFT to US-1 137 Ave from HEFT to US-1	3/2012	792 792	3,500 3,500	5,500 5,500	0 0	0 0	0 0	0 0	9,000 9,000	0 0	9,792 9,792	1107,1116	
42)	Bike Path Constr. on Old Cutler Road From SW 184 St to SW 220 St	3/2011	0 0	245 245	0 0	0 0	0 0	0 0	0 0	245 245	0 0	245 245	17	
43)	Infrastr. Improv. in the Uninc. Area - CD 12 To be Determined	3/2019	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	941 941	941 941	23,24,25	
44)	Infrastr. Improv. in the Uninc. Area - CD 08 To be Determined	3/2019	869 869	330 330	0 0	0 0	0 0	0 0	0 0	330 330	4,304 4,304	5,503 5,503	11,14,17 23,24,25	

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
45)	<del>Improv. on SW 180 St. from SW 137 Ave. to SW 147 Ave.</del> <del>SW 180 St. from SW 137 Ave. to SW 147 Ave.</del>	<del>3/2010</del>	1,443	154	0	0	0	0	0	154	0	1,597	1107,1116
			1,443	154	0	0	0	0	0	154	0	1,597	
46)	Improv. on NE 2 Ave. from NE 20 St.- NE 36 NE 2 Ave. from NE 20 St. to NE 36 St.	3/2012	5	0	3,945	0	0	0	0	3,945	0	3,950	1107,1116
			5	0	3,945	0	0	0	0	3,945	0	3,950	
47)	Infrastr. Improv. in the Uninc. Area - CD 07 To be Determined	<del>3/2016</del> 3/2019	1,870	80	0	0	0	0	0	80	3,900	5,850	11,13,14, 17,23,24, 25
			1,870	80	0	0	0	0	0	80	3,900	5,850	
48)	Infrastr. Improv. in the Uninc. Area - CD 09 To be Determined	<del>3/2014</del> 3/2018	2,367	0	0	0	0	0	0	0	1,633	4,000	11,14,23, 24
			2,367	0	0	0	0	0	0	0	1,633	4,000	
49)	Rights-Of-Way Acquis. for Const. Proj.in CD To Be Determined	3/2011	5,897	3,103	0	0	0	0	0	3,103	0	9,000	1116
			5,897	3,103	0	0	0	0	0	3,103	0	9,000	
50)	Refurbi.SW 296 St. Sonov.Bridge Over C-103 SW 296 St. Sonovoid Bridge Over C-103	3/2009	62	0	338	0	0	0	0	338	0	400	11, 14, 27
			60	340	0	0	0	0	0	340	0	400	
51)	Infrastr. Improv. in the Uninc. Area - CD 06 To be Determined	3/2019	61	0	0	0	0	0	0	0	5,162	5,223	11,23,24, 25
			61	0	0	0	0	0	0	0	5,162	5,223	
52)	<del>Improv. on SW 142 Ave. from SW 26 St. to SW 42 St.</del> <del>SW 142 Ave. from SW 26 St. to SW 42 St.</del>	<del>3/2011</del>	580	200	200	94	0	0	0	494	0	1,074	500
			580	200	200	94	0	0	0	494	0	1,074	
53)	Infrastr. Improv. in the Uninc. Area - CD 13 To be Determined	<del>3/2016</del> 3/2019	0	0	0	0	0	0	0	0	500	500	23,24,25
			0	0	0	0	0	0	0	0	500	500	
54)	Widen SW 137 Ave. from US-1 to SW 184 St. SW 137 Ave. from US-1 to SW 184 St.	3/2014	524	1,389	7,832	7,000	5,000	0	0	21,221	0	21,745	1107,1116
			524	1,389	7,832	7,000	5,000	0	0	21,221	0	21,745	
55)	Bikepaths Construction in District 10 To be Determined	3/2019	4	0	0	0	0	0	0	0	696	700	11,14,24, 25
			4	0	0	0	0	0	0	0	696	700	

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
56)	Renovation of the Miami Ave.Bridge over MR Miami Ave. over the Miami River	3/2012	563 563	2,363 2,363	274 274	0 0	0 0	0 0	0 0	2,637 2,637	0 0	3,200 3,200	13,14,17, 18
57)	Improv. on NE 2 Ave. from W Little River Can NE 2 Ave. from NE 62 St. to WLR Canal	3/2013	13 13	0 0	3,917 3,917	1,000 1,000	0 0	0 0	0 0	4,917 4,917	0 0	4,930 4,930	1107,1116
58)	Widen NW 37 Ave.from N.River Dr. -NW 79 St. NW 37 Ave. from N. River Dr. to NW 79 St.	<del>3/2014</del> 3/2014	1,052 1,052	127 127	5,000 5,000	7,500 7,500	2,170 2,170	0 0	0 0	14,797 14,797	0 0	15,849 15,849	1107,1116
59)	Rights-Of-Way Acquis.for Const.Proj.in CD 1 Various Sites	3/2011	8,216 8,216	100 100	0 0	0 0	0 0	0 0	0 0	100 100	0 0	8,316 8,316	1116
60)	<del>Improv. on SW 72 Ave. from SW 20 St. to SW 40 St.</del> <del>SW 72 Ave. from SW 20 St. to SW 40 St.</del>	<del>3/2010</del>	<del>1,612</del> <del>1,612</del>	<del>197</del> <del>197</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>197</del> <del>197</del>	<del>0</del> <del>0</del>	<del>1,809</del> <del>1,809</del>	1107,1116
61)	Infrastr. Improv. in the Uninc. Area - CD 03 To be Determined	<del>3/2016</del> 3/2019	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	910 910	910 910	23,24,25
62)	<del>Constr. of SW 157 Ave. from SW 112 to 120 St.</del> <del>SW 157 Ave. from SW 112 St. to SW 120 St.</del>	<del>3/2010</del>	<del>4,420</del> <del>4,420</del>	<del>1,450</del> <del>1,450</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>0</del> <del>0</del>	<del>1,450</del> <del>1,450</del>	<del>0</del> <del>0</del>	<del>5,870</del> <del>5,870</del>	1116
63)	Infrastr. Improv. in the Uninc. Area Com.D. 05 To be Determined	<del>3/2016</del> 3/2019	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	577 577	577 577	23,24,25
64)	Improv. on SW 176 St. from US-1 - SW 107 St. SW 176 St. from US-1 to SW 107 Ave.	3/2013	416 416	0 0	2,000 2,000	2,724 2,724	0 0	0 0	0 0	4,724 4,724	0 0	5,140 5,140	1107,1116
65)	Widen SW 312 St. from SW 177 Ave-187 Ave. SW 312 St. from SW 177 Ave.to SW 187 Ave.	2/2013	11 11	443 443	3,000 3,000	2,280 2,280	0 0	0 0	0 0	5,723 5,723	0 0	5,734 5,734	1107,1116
66)	Renovate NW 22 Ave.Basc.Brid.over the MR NW 22 Ave. over the Miami River	<del>3/2014</del> 3/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,000 1,000	1,000 1,000	23

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										
67)	Rights-Of-Way Acquis. for Const. Proj.in CD Various Sites	3/2012	474 474	150 150	3,077 3,077	0 0	0 0	0 0	0 0	3,227 3,227	0 0	3,701 3,701	1107,1116	
68)	Commodore Bike Trail Various Sites	3/2011	800 1,000	200 0	0 0	0 0	0 0	0 0	0 0	200 0	0 0	1,000 1,000	11,13,14	
69)	Infrastr. Improv. in the Uninc. Area-Com.D.11 To be Determined	<del>3/2016</del> 3/2019	2,909 2,909	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,590 1,590	4,499 4,499	11,13,14 23,24,25	
70)	Infrastr. Improv. in the Uninc. Area- Com.D 04 To be Determined	<del>3/2016</del> 3/2019	435 435	7 7	0 0	0 0	0 0	0 0	0 0	7 7	807 807	1,249 1,249	11,14,17 23,24,25	
71)	Constr. of Old Cutler Rd Bridge Over C-100 C Old Cutler Rd and SW 173 St	3/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	800 800	800 800	23	
72)	Renovation of the Palmer Lake Bridge 2600 S. River Dr.	3/2017	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3,000 3,000	3,000 3,000	18-25	
73)	School Speedzone Flashing Signals Various Sites	3/2013	8,851 8,851	2,250 2,250	2,250 2,250	1,449 1,449	0 0	0 0	0 0	5,949 5,949	0 0	14,800 14,800	1107,1116	
74)	Infrastr. Improv. in the Uninc. Area-Com.D.10 To be Determined	3/2018	10 10	2 2	0 0	0 0	0 0	0 0	0 0	2 2	0 0	12 12	11,13,14 23,24,25	
75)	Renovate Tamiami Swing Bridge 2000 S River Dr.	<del>1/2011</del> 1/2017	1,837 1,912	1,475 1,400	162 162	0 0	0 0	0 0	0 0	1,637 1,562	0 0	3,474 3,474	13,14,17, 18,23,500	
76)	Constr. of SW 157 Ave. from SW 152 St.-184 SW 157 Ave. from SW 152 St. to SW 184 St.	3/2013	1,285 1,285	2,750 2,750	6,000 6,000	1,690 1,690	0 0	0 0	0 0	10,440 10,440	0 0	11,725 11,725	1107,1116	
77)	Rights-Of-Way Acquis. for Const. Proj.in CD To Be Determined	3/2012	22,115 22,115	3,269 3,269	4,341 4,341	0 0	0 0	0 0	0 0	7,610 7,610	0 0	29,725 29,725	1107,1116	

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Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
78)	<del>Americans With Dis. Act (ADA) Compl. Proj. —Countywide</del>	<del>3/2014</del>	<del>8,606</del>	<del>1,409</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>1,409</del>	<del>0</del>	<del>10,015</del>	1135
			<del>8,648</del>	<del>1,367</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>1,367</del>	<del>0</del>	<del>10,015</del>	
79)	Infrastr. Improv. in the Uninc. Area Com.D. 02 To be Determined	3/2019	546	0	0	0	0	0	0	0	1,754	2,300	11,23,24, 25
			546	0	0	0	0	0	0	0	1,754	2,300	
80)	Bike Path Constr. on W Dixie Highway W Dixie Hwy from Ives Dairy Rd & MG Dr	<del>3/2013</del> 3/2017	0	0	0	0	0	0	0	0	120	120	23
			0	0	0	0	0	0	0	0	120	120	
81)	<del>Improv. on NW 7 St. from NW 37 Ave. to NW 72 Ave. —NW 7 St. from NW 37 Ave. to NW 72 Ave.</del>	<del>3/2009</del>	<del>2,110</del>	<del>664</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>664</del>	<del>0</del>	<del>2,774</del>	1107,1116
			<del>2,110</del>	<del>664</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>664</del>	<del>0</del>	<del>2,774</del>	
82)	Sonovoid Bridge Improv. Program Countywide	3/2017	3,270	331	0	0	0	0	0	331	0	3,601	11,13,14, 17,23
			3,270	331	0	0	0	0	0	331	0	3,601	
83)	Improv.on SW 216 St.from the FT.-SW 127 Ave. SW 216 St. from the Fl. Turnp. to SW 127 Ave.	3/2014	913	167	500	5,000	3,500	0	0	9,167	0	10,080	1107,1116
			913	167	500	5,000	3,500	0	0	9,167	0	10,080	
84)	Improv.on SW 264 St. from US-1 to SW 137 SW 264 St. from US-1 to SW 137 Ave.	3/2013	407	0	2,118	2,489	0	0	0	4,607	0	5,014	1107,1116
			407	0	2,118	2,489	0	0	0	4,607	0	5,014	
85)	Rights-Of-Way Acquis. for Const. Proj.in CD Various Sites	1/2012	697	578	3,050	0	0	0	0	3,628	0	4,325	1107,1116
			697	578	3,050	0	0	0	0	3,628	0	4,325	
86)	Safety Lighting Countywide	3/2025	0	0	500	500	500	500	0	2,000	0	2,000	670
			0	0	500	500	500	500	0	2,000	0	2,000	
87)	Capitalization of Traffic Signals & Signs Crews Countywide	1/2009	0	3,993	3,993	3,993	3,993	3,993	0	19,965	0	19,965	670
			0	3,993	3,993	3,993	3,993	3,993	0	19,965	0	19,965	
88)	Illuminated Street Signs Various Sites	1/2013	5,937	1,570	1,500	1,000	0	0	0	4,070	0	10,007	350,670, 821,1107, 1116
			5,937	1,570	1,500	1,000	0	0	0	4,070	0	10,007	

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
89)	Improvements on Arterial Roads Countywide	1/2011	262 262	0 0	500 500	500 500	0 0	0 0	0 0	1,000 1,000	0 0	1,262 1,262	1107,1116
90)	Improvements to Intersections in RIF Distr.1 — Road Impact Fee D4	1/2014	7 7	0 0	0 0	0 0	8 8	0 0	0 0	8 8	0 0	15 15	500
91)	Improvements to Intersections in RIF Distr.2 — Road Impact Fee D2	1/2014	19 19	0 0	0 0	0 0	19 19	0 0	0 0	19 19	0 0	38 38	500
92)	Improvements to Intersections in RIF Distr.3 — Road Impact Fee D3	1/2014	149 149	515 515	425 425	792 792	792 792	92 92	0 0	2,616 2,616	0 0	2,765 2,765	500
93)	Improvements to Intersections in RIF Distr.5 Road Impact Fee D5	1/2015	0 0	297 297	61 61	61 61	61 61	46 46	0 0	526 526	0 0	526 526	500
94)	Improvements to Intersections in RIF Distr.6 Road Impact Fee D6	1/2015	0 0	72 72	19 19	19 19	19 19	19 19	0 0	148 148	0 0	148 148	500
95)	Improvements to Intersections in RIF Distr.7 — Road Impact Fee D7	1/2014	34 34	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	34 34	500
96)	Improvements to Intersections in RIF Distr.8 Road Impact Fee D8	1/2014	0 0	617 617	59 59	59 59	59 59	59 59	0 0	853 853	0 0	853 853	500
97)	Improvements to Intersections in RIF Distr.9 — Road Impact Fee D9	1/2014	35 35	12 12	35 35	35 35	35 35	0 0	0 0	117 117	0 0	152 152	500
98)	Improv. to S Bayshore Dr from Darwin - Merc; S Bayshore Dr from Darwin St to Mercy Way	3/2015	116 116	398 398	0 0	0 0	0 0	640 640	0 0	1,038 1,038	0 0	1,154 1,154	500,1107, 1116
99)	Mast Arm Upgrades Countywide	1/2013	3,015 4,441	1,426 0	1,426 1,426	3,589 3,589	0 0	0 0	0 0	6,441 5,015	0 0	9,456 9,456	500, 670, 1083

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
100)	Resurface Arterial Streets — RIF Distr.1 — Road Impact Fee D1	1/2014	7	0	0	0	7	0	0	7	0	14	500
			7	0	0	0	7	0	0	7	0	14	
101)	Resurface Arterial Streets — RIF Distr.2 — Road Impact Fee D2	1/2014	19	0	0	0	19	0	0	19	0	38	500
			19	0	0	0	19	0	0	19	0	38	
102)	Resurface Arterial Streets — RIF Distr.3 — Road Impact Fee D3	1/2014	0	516	425	541	459	91	0	2,032	0	2,032	500
			0	516	425	541	459	91	0	2,032	0	2,032	
103)	Resurface Arterial Streets - RIF Distr.5 Road Impact Fee D5	1/2015	0	297	61	61	61	46	0	526	0	526	500
			0	297	61	61	61	46	0	526	0	526	
104)	Resurface Arterial Streets - RIF Distr.6 Road Impact Fee D6	1/2014	0	72	19	19	19	19	0	148	0	148	500
			0	72	19	19	19	19	0	148	0	148	
105)	Resurface Arterial Streets - RIF Distr.8 Road Impact Fee D8	1/2015	0	617	59	59	59	59	0	853	0	853	500
			0	617	59	59	59	59	0	853	0	853	
106)	Resurface Arterial Streets — RIF Distr.9 — Road Impact Fee D9	1/2014	34	12	34	34	34	0	0	114	0	148	500
			34	12	34	34	34	0	0	114	0	148	
107)	Rickenbacker Csway Barrier Islands Prot.Imp Rickenbacker Causeway	1/2012	3,247	1,081	3,172	0	0	0	0	4,253	0	7,500	907,3771
			7,500	0	0	0	0	0	0	0	0	7,500	
108)	Special Taxing District Landsc.& Maintenance Countywide	3/2014	0	280	280	280	280	280	0	1,400	0	1,400	670
			0	280	280	280	280	280	0	1,400	0	1,400	
109)	Traffic Control Devices — Signalization RIF D1 — Road Impact Fee D1	1/2014	6	0	0	0	100	0	0	100	0	106	500
			6	0	0	0	100	0	0	100	0	106	
110)	Traffic Control Devices — Signalization RIF D2 — Road Impact Fee D2	1/2014	19	0	0	0	100	0	0	100	0	119	500
			19	0	0	0	100	0	0	100	0	119	



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Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
111)	<del>Traffic Control Devices—Signalization RIF D3</del> —Road Impact Fee D3	1/2014	0	515	425	542	460	92	0	2,034	0	2,034	500
			0	515	425	542	460	92	0	2,034	0	2,034	
112)	Traffic Control Devices - Signalization RIF D5 Road Impact Fee D5	1/2015	0	297	61	61	61	46	0	526	0	526	500
			0	297	61	61	61	46	0	526	0	526	
113)	Traffic Control Devices - Signalization RIF D6 Road Impact Fee D6	1/2015	0	72	19	19	19	19	0	148	0	148	500
			0	72	19	19	19	19	0	148	0	148	
114)	Traffic Control Devices - Signalization RIF D8 Road Impact Fee D8	1/2015	0	617	59	59	59	59	0	853	0	853	500
			0	617	59	59	59	59	0	853	0	853	
115)	<del>Traffic Control Devices—Signalization RIF D9</del> —Road Impact Fee D9	1/2014	35	35	35	35	35	0	0	140	0	175	500
			35	35	35	35	35	0	0	140	0	175	
116)	Widen NW 138 St from I-75 to NW 107 Ave NW 138 St from I-75 to NW 107 Ave	<del>1/2009</del> 1/2015	4,750	2,110	2,110	2,110	2,110	1,210	0	9,650	0	14,400	500,670
			4,750	2,110	2,110	2,110	2,110	1,210	0	9,650	0	14,400	688
117)	Widen SW 344 St from SW 182 to 192 Ave SW 344 St from SW 182 to 192 Ave	2/2013	0	550	3,700	0	0	0	0	4,250	0	4,250	507
			0	550	3,700	0	0	0	0	4,250	0	4,250	
118)	Rickenbacker/WM Powell Bridge Str.Repairs Rickenbacker Causeway	1/2011	750	0	0	0	0	0	0	0	0	750	440,3771
			50	700	0	0	0	0	0	700	0	750	
119)	Traffic Signal Loop Repairs Various Sites	2/2015	150	500	500	400	400	400	0	2,200	0	2,350	670
			654	105	391	400	400	400	0	1,696	0	2,350	
120)	Traffic Signal Materials Countywide	1/2025	0	600	600	600	600	600	0	3,000	0	3,000	670
			0	600	600	600	600	600	0	3,000	0	3,000	
121)	Venetian Bridge Design Venetian Causeway	<del>1/2009</del> 1/2013	1,550	1,350	1,350	1,350	0	0	0	4,050	0	5,600	440,907,
			3,200	800	800	800	0	0	0	2,400	0	5,600	#####

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
122)	Venetian Bridge Rehabilitation Venetian Causeway	1/2011	3,610 5,789	3,639 1,460	0 0	0 0	0 0	0 0	0 0	3,639 1,460	0 0	7,249 7,249	440,1090, 3771
123)	<del>Widen SW 328 St</del> <del>SW 328 St from SW 137 Ave to SW 152 Ave</del>	<del>1/2010</del>	0 0	0 0	0 0	0 0	1,073 1,073	2,000 2,000	0 0	3,073 3,073	0 0	3,073 3,073	500
124)	Intersection Improv.at NW 12 St & NW 111 A NW 12 St & NW 111 Ave.	2/2013	0 0	0 0	0 0	30 30	250 250	0 0	0 0	280 280	0 0	280 280	507
125)	Widen NW 111 Ave from 4LD to 5LD NW 111 Ave from NW 12 St to NW 14 St	2/2013	0 0	0 0	0 0	80 80	800 800	0 0	0 0	880 880	0 0	880 880	507
126)	Intersection Improv.at NW 111 Ave & NW 14 NW 111 Ave & NW 14 St	2/2013	0 0	0 0	0 0	30 30	250 250	0 0	0 0	280 280	0 0	280 280	507
127)	Widen NW 14 St from 4LD to 5LD NW 14 St from NW 111 Ave to NW 107 Ave	2/2013	0 0	0 0	0 0	140 140	1,600 1,600	0 0	0 0	1,740 1,740	0 0	1,740 1,740	507
128)	Intersection Improv.at NW 14 St & NW 107 A NW 14 St & NW 107 Ave.	2/2013	0 0	0 0	0 0	30 30	250 250	0 0	0 0	280 280	0 0	280 280	507
129)	Widen NW 107 Ave NW 107 Ave from NW 14 St to NW 12 St	2/2013	0 0	0 0	0 0	60 60	600 600	0 0	0 0	660 660	0 0	660 660	507
130)	Construct Bridge over C-4 Canal to connect SW 8 St to SW 139 Ave	2/2012	0 0	0 0	3,000 3,000	0 0	0 0	0 0	0 0	3,000 3,000	0 0	3,000 3,000	507
131)	Install Traffic Signal at the Intersection of SW 139 Ave and SW 8 St	2/2012	0 0	0 0	30 30	0 0	0 0	0 0	0 0	30 30	0 0	30 30	507
132)	Extend SW 139 Ave north from SW 8 St as a 4-Lane Roadway for 1,700 feet	2/2012	0 0	0 0	1,500 1,500	0 0	0 0	0 0	0 0	1,500 1,500	0 0	1,500 1,500	507

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
133)	Build SW 172 Ave as a 4LD Roadway from Kendall Dr to theoretical SW 88 St	2/2012	0	200	1,950	0	0	0	0	2,150	0	2,150	507
			0	200	1,950	0	0	0	0	2,150	0	2,150	
134)	Signalize the Intersection of Kendall Dr. and SW 172 Ave	2/2013	0	0	30	280	0	0	0	310	0	310	507
			0	0	30	280	0	0	0	310	0	310	
135)	Capital Infrastr.Improv. on Rickenbacker Causeway	3/2015	77	100	100	100	100	100	0	500	0	577	440
			77	100	100	100	100	100	0	500	0	577	
136)	Improvements on Old Cutler Road from SW 87 Ave to SW 97 Ave on Old Cutler Rd	2/2012	450	4,200	3,000	0	0	0	0	7,200	0	7,650	1116
			450	4,200	3,000	0	0	0	0	7,200	0	7,650	
137)	N. Miami Beach Pedestr. Bridge (NE 13 Ave) — NE 13 Ave and NE 177 St	—3/2009	0	550	0	0	0	0	0	550	0	550	500
			550	0	0	0	0	0	0	0	0	550	
138)	Road & Bridge Emerg.Bridge Rep/Impr/Paint. Countywide	1/2025	0	100	100	100	100	100	0	500	0	500	670
			0	100	100	100	100	100	0	500	0	500	
139)	Lot Clearing — Throughout Miami Dade County	—3/2009	0	1,030	0	0	0	0	0	1,030	0	1,030	650
			0	1,030	0	0	0	0	0	1,030	0	1,030	
140)	Miami River Greenway — City of Miami	—3/2012	640	1,210	5,400	250	0	0	0	6,860	0	7,500	1135
			640	1,210	5,400	250	0	0	0	6,860	0	7,500	
141)	Repair & Repl.Fishing Piers@Old WP Bridge — Key Biscayne	—3/2011	664	1,926	0	0	0	0	0	1,926	0	2,590	1135
			664	1,926	0	0	0	0	0	1,926	0	2,590	
142)	Rickenbacker C/Way Hobie N Side Barrier Rickenbacker Causeway	3/2016	0	0	0	0	0	150	1,850	2,000	0	2,000	440
			0	0	0	0	0	150	1,850	2,000	0	2,000	
143)	Rickenbacker Causeway Toll Plaza Infr. Mod. — Rickenbacker Causeway	—3/2012	0	0	0	1,000	0	0	0	1,000	0	1,000	440
			0	0	0	1,000	0	0	0	1,000	0	1,000	

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
144)	<del>Rickenbacker Concrete Jersey Barrier Paint.</del> <del>— Rickenbacker Causeway</del>	<del>—3/2011</del>	0	300	0	0	0	0	0	300	0	300	440
			0	300	0	0	0	0	0	300	0	300	
145)	<del>Improv. to Inter. At NW 154 St &amp; NW 122 Ave</del> <del>— NW 154 St and NW 122 Ave</del>	<del>—3/2014</del>	0	0	0	0	0	1,100	0	1,100	0	1,100	500
			0	0	0	0	0	1,100	0	1,100	0	1,100	
146)	<del>Improv. to Intersect. In RIF Dist. 04</del> <del>— Road Impact Fee District 4</del>	<del>—3/2014</del>	0	3	3	38	70	70	0	184	0	184	500
			0	3	3	38	70	70	0	184	0	184	
147)	<del>Resurface Arterial Streets—RIF Distr.4</del> <del>— Road Impact Fee D4</del>	<del>—3/2014</del>	0	3	3	39	70	70	0	185	0	185	500
			0	3	3	39	70	70	0	185	0	185	
148)	<del>Resurfacing NW 95 St East of I-95</del> <del>— NW 95 St East of I-95</del>	<del>—3/2011</del>	0	450	0	0	0	0	0	450	0	450	670
			0	450	0	0	0	0	0	450	0	450	
149)	Improv. on Ponce De Leon Blvd Ponce De Leon Blvd from Alcazar Ave to Salamanca	1/2011	2,708	200	0	0	0	0	0	200	0	2,908	380,500
			2,708	200	0	0	0	0	0	200	0	2,908	
150)	Improv. on Ponce De Leon Blvd Ponce De Leon Blvd from Salamanca Ave - SW 8 St	1/2014	0	0	239	418	418	418	0	1,493	0	1,493	500
			0	0	239	418	418	418	0	1,493	0	1,493	
151)	Countywide Infrastr. Improv. Stimulus Project Various Sites	1/2011	14,820	9,880	0	0	0	0	0	9,880	0	24,700	821
			14,820	9,880	0	0	0	0	0	9,880	0	24,700	
152)	Road Impr. W 68 St. from W 19 Ct to W 17 C City of Hialeah	3/2012	800	300	241	0	0	0	0	541	0	1,341	500
			800	300	241	0	0	0	0	541	0	1,341	
153)	Widen Caribbean Blvd. From Coral Sea Rd. to SW 87 Caribbean Blvd. From Coral Sea Rd. to SW 87 Ave.	3/2012	1,000	5,000	5,186	0	0	0	0	10,186	0	11,186	1116
			1,000	5,000	5,186	0	0	0	0	10,186	0	11,186	
154)	<del>Widen NW 47 Ave. from NW 183 St to MD/BC Line</del> <del>— City of Miami Gardens</del>	<del>—3/2014</del>	0	0	0	750	1,000	1,000	0	2,750	0	2,750	500
			0	0	0	750	1,000	1,000	0	2,750	0	2,750	

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
(In Thousands of Dollars)														
155)	Widen NW 7 Ave. from NW 183 St. to 199 St RIF District 03	1/2010	951 951	2,111 2,111	2,111 2,111	0 0	0 0	0 0	0 0	4,222 4,222	0 0	5,173 5,173	500	
156)	Widen SW 162 Ave. from SW 48 Ter. to 47 St. (Eden Lake) RIF District 05	1/2010	1,000 1,000	600 600	0 0	0 0	0 0	0 0	0 0	600 600	0 0	1,600 1,600	500	
157)	Traffic Control Devices – Signalization Rd Impact Fee Road Impact Fee District 04	1/2014	0 0	3 3	3 3	38 38	69 69	69 69	0 0	182 182	0 0	182 182	500	
Subtotals			206,565 219,384	142,926 134,396	143,465 139,296	82,971 82,421	47,130 47,130	18,463 18,463	1,850 1,850	436,805 423,986	30,194 30,194	673,564 673,564		
Proposed Additions, April 2010 CDMP Amendment Cycle														
158)	Bicycle Safety Projects Rickenbacker Causeway and Crandon Blvd	1/2015	0 0	875 875	884 884	893 893	902 902	911 911	0 0	4,465 4,465	0 0	4,465 4,465	440	
159)	QNIP Infrastructure Impr. in Uninc Area -CD (To be Determined	3/2011	1,122 1,399	277 0	0 0	0 0	0 0	0 0	0 0	277 0	0 0	1,399 1,399	1087, 1184	
160)	QNIP Infrastructure Impr. in Uninc Area -CD (To be Determined	3/2011	103 153	50 0	0 0	0 0	0 0	0 0	0 0	50 0	0 0	153 153	1184	
161)	QNIP Infrastructure Impr. in Uninc Area -CD (To be Determined	3/2011	12 108	96 0	0 0	0 0	0 0	0 0	0 0	96 0	0 0	108 108	1184	
162)	QNIP Infrastructure Impr. in Uninc Area -CD (To be Determined	3/2011	315 359	44 0	0 0	0 0	0 0	0 0	0 0	44 0	0 0	359 359	1087,1184	
163)	QNIP Infrastructure Impr. in Uninc Area -CD (To be Determined	3/2011	282 465	183 0	0 0	0 0	0 0	0 0	0 0	183 0	0 0	465 465	1133,1184, 1217	

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
164)	QNIP Infrastructure Impr. in Uninc Area -CD ( To be Determined	3/2011	992 1,203	211 0	0 0	0 0	0 0	0 0	0 0	211 0	0 0	1,203 1,203	1184,1217
165)	QNIP Infrastructure Impr. in Uninc Area -CD ` To be Determined	3/2011	364 564	200 0	0 0	0 0	0 0	0 0	0 0	200 0	0 0	564 564	1087,1184,1217
166)	QNIP Infrastructure Impr. in Uninc Area -CD ` To be Determined	3/2011	794 819	32 7	0 0	0 0	0 0	0 0	0 0	32 7	0 0	826 826	1087,1133
167)	Rights-of-way Acq. for constr.Of proj. in CD 0 Various Sites	3/2011	1,234 1,234	166 166	0 0	0 0	0 0	0 0	0 0	166 166	0 0	1,400 1,400	1116
168)	Rights-of-way Acq. for constr.Of proj. in CD 0 Various Sites	3/2011	5,897 5,897	3,103 3,103	0 0	0 0	0 0	0 0	0 0	3,103 3,103	0 0	9,000 9,000	1116
169)	Rights-of-way Acq. for constr.Of proj. in CD 0 Various Sites	3/2011	474 474	150 150	3,077 3,077	0 0	0 0	0 0	0 0	3,227 3,227	0 0	3,701 3,701	1107,1116
170)	Rights-of-way Acq. for constr.Of proj. in CD 0 Various Sites	3/2011	697 697	578 578	3,050 3,050	0 0	0 0	0 0	0 0	3,628 3,628	0 0	4,325 4,325	1107,1116
171)	Rights-of-way Acq. for constr.Of proj. in CD 1 Various Sites	3/2011	22,115 22,115	3,269 3,269	4,341 4,341	0 0	0 0	0 0	0 0	7,610 7,610	0 0	29,725 29,725	500,821,1107,1116
172)	Rights-of-way Acq. for constr.Of proj. in CD 1 Various Sites	3/2011	8,216 8,216	100 100	0 0	0 0	0 0	0 0	0 0	100 100	0 0	8,316 8,316	1116
173)	Improvements on SW 137 Ave and SW 344 St SW 137 Ave and SW 344 St	3/2011	200 320	120 0	0 0	0 0	0 0	0 0	0 0	120 0	0 0	320 320	500
174)	Improv.on Old Cutler Rd .-Resurf. Kendall Dr. Old Cutler Rd from Kendall Dr to Red Rd		0 0	261 261	179 179	0 0	0 0	0 0	0 0	440 440	0 0	440 440	500

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## TRAFFIC CIRCULATION

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
Subtotals of Proposed Additions			5,418	2,515	1,063	893	902	911	0	6,284	0	11,702	
			6,624	1,309	1,063	893	902	911	0	5,078	0	11,702	
TOTALS			211,983	145,441	144,528	83,864	48,032	19,374	1,850	443,089	30,194	685,266	
			226,008	135,705	140,359	83,314	48,032	19,374	1,850	429,064	30,194	685,266	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade Public Works Department and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.

TABLE 11  
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Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
1)	Bus Acquisition Countywide	3/2016	0	15,734	12,462	27,534	21,589	16,589	0	93,908	0	93,908	125,821, 1116,3711
			0	15,734	12,462	27,534	21,589	16,589	0	93,908	0	93,908	
2)	Central Control Overhaul 111 NW 1st St.	1/2013	3,690	14,734	12,171	1,185	0	0	0	28,090	0	31,780	821,1116
			3,690	14,734	12,171	1,185	0	0	0	28,090	0	31,780	
3)	Security & Safety Equipment Countywide	3/2016	0	1,775	544	571	600	630	661	4,781	0	4,781	123,688, 821,3711
			0	1,775	544	571	600	630	661	4,781	0	4,781	
4)	Rail Vehicle Replacement 6601 NW 72 Ave	3/2019	40,565	25,969	28,878	48,420	108,685	121,731	31,260	364,943	1,676	407,184	1116
			40,565	25,969	28,878	48,420	108,685	121,731	31,260	364,943	1,676	407,184	
5)	ADA Improvements & Equipment Countywide	3/2016	0	240	252	265	278	292	307	1,634	0	1,634	123,3711
			0	240	252	265	278	292	307	1,634	0	1,634	
6)	Capital Project Adm. Planning & Monitoring —Countywide	3/2014	470	494	520	546	573	602	632	3,367	0	3,837	123
			470	494	520	546	573	602	632	3,367	0	3,837	
7)	Passenger Amenities & Transit Enhanc/ents Countywide	1/2016	0	519	545	572	601	631	662	3,530	0	3,530	123,3711
			0	519	545	572	601	631	662	3,530	0	3,530	
8)	Facility and Equipment Rehabilitation Countywide	3/2012	0	240	252	265	278	292	307	1,634	0	1,634	123,3711
			0	240	252	265	278	292	307	1,634	0	1,634	
9)	Bus Tools & Equipment —Countywide	3/2012	218	229	240	252	265	278	292	1,556	0	1,774	123
			218	229	240	252	265	278	292	1,556	0	1,774	
10)	Metrorail & Metromover Tools & Equip. —Countywide	3/2012	400	420	441	463	486	510	536	2,856	0	3,256	123
			400	420	441	463	486	510	536	2,856	0	3,256	
11)	Fare Collection Equipment Countywide	3/2011	60,843	1,805	0	0	0	0	0	1,805	0	62,648	1116
			60,843	1,805	0	0	0	0	0	1,805	0	62,648	
12)	Information Technology Equipment —Countywide	3/2012	218	229	240	252	265	278	292	1,556	0	1,774	123
			218	229	240	252	265	278	292	1,556	0	1,774	
13)	Service Vehicles —Countywide	2/2012	951	952	0	0	0	0	0	952	0	1,903	125
			951	952	0	0	0	0	0	952	0	1,903	



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Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
			2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
(In Thousands of Dollars)													
14)	Northeast Passenger Activity Centers Countywide	3/2017	82	0	0	2,373	1,574	1,050	920	5,917	100	6,099	125,688, 821,1116, 3711
			82	0	0	2,373	1,574	1,050	920	5,917	100	6,099	
15)	Capitalization of Preventative Maintenance Various	3/2019	0	82,705	84,061	89,625	93,163	98,733	103,021	551,308	0	551,308	123,688
			0	82,705	84,061	89,625	93,163	98,733	103,021	551,308	0	551,308	3711
16)	Earlington Heights (EH)/MIC Connector Earlington Heights Rail Station to MIA	2/2012	326,890	149,824	29,815	0	0	0	0	179,639	0	506,529	821,1116
			326,890	149,824	29,815	0	0	0	0	179,639	0	506,529	
17)	Mover Vehicle Replacement—Phase I—Countywide	—3/2009	32,874	50	0	0	0	0	0	50	0	32,924	907,1116
			32,874	50	0	0	0	0	0	50	0	32,924	
18)	NW 7 Ave & NW 62 St Passeng. Act. Center NW 7 Ave and 62 St	2/2013	5,813	2,891	1,097	235	0	0	0	4,223	0	10,036	125,3711
			5,813	2,891	1,097	235	0	0	0	4,223	0	10,036	
19)	Test Track for Metrorail Countywide	3/2012	755	6,594	9,241	0	0	0	0	15,835	0	16,590	1116
			755	6,594	9,241	0	0	0	0	15,835	0	16,590	
20)	Palmetto Station Traction Power Substation Countywide	3/2012	1,050	13,299	2,453	0	0	0	0	15,752	0	16,802	123,1116
			1,050	13,299	2,453	0	0	0	0	15,752	0	16,802	
21)	Multi-Modal Transit Center SW Corner of NW 12 St & NW 107 Ave	2/2014	0	0	1,000	8,700	4,000	0	0	13,700	0	13,700	507
			0	0	1,000	8,700	4,000	0	0	13,700	0	13,700	
22)	Dadeland South Comfort Station—Dadeland South M Station	—1/2010	30	370	503	503	594	0	0	1,970	0	2,000	125
			30	370	503	503	594	0	0	1,970	0	2,000	
23)	Earlington Heights (EH)/MIC Bus Plaza Earlington Heights Rail Station to MIA	2/2010	11,272	8,710	8,213	80	0	0	0	17,003	0	28,275	125,688, 821
			11,272	8,710	8,213	80	0	0	0	17,003	0	28,275	
24)	Mover Vehicle Replacement Ph. II (17 Cars) 100 SW 1 St	3/2012	25,417	12,159	620	0	0	0	0	12,779	0	38,196	1116
			25,417	12,159	620	0	0	0	0	12,779	0	38,196	
25)	Park and Ride Lot at Miami Gardens Dr—Miami Gardens Dr & 186 St & 73 Ave	—1/2012	742	1,188	0	0	0	0	0	1,188	0	1,900	123,688, 821
			742	1,188	0	0	0	0	0	1,188	0	1,900	
26)	Park and Ride Lot Kendall Dr	2/2012	276	1,778	606	0	0	0	0	2,384	0	2,660	688,821

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MASS TRANSIT

April 2010

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	Kendall and SW 127 Ave		276	1,778	606	0	0	0	0	2,384	0	2,660	1116
27)	Park and Ride Lot at SW 344 St	3/2010	3,720	5,939	452	0	0	0	0	6,391	0	10,111	123,821,
	S-Miami Dade Busway & SW 344 St		3,720	5,939	452	0	0	0	0	6,391	0	10,111	1116
28)	Dadeland South Parking Lot Extension	1/2010	882	109	0	0	0	0	0	109	0	994	123
	Dadeland South Metrorail Station		882	109	0	0	0	0	0	109	0	994	
29)	Track & Guideway Rehabilitation	3/2015	16,661	7,413	7,243	6,377	5,503	3,589	0	30,125	0	46,786	1116
	Countywide		16,661	7,413	7,243	6,377	5,503	3,589	0	30,125	0	46,786	
30)	Metrorail Bike Path (M-Path)	3/2011	300	293	1,107	0	0	0	0	1,400	0	1,700	123,1135
	Existing Metrorail Guideway R-Of-Way		300	293	1,107	0	0	0	0	1,400	0	1,700	
31)	Bus and Bus Facilities	3/2011	0	2,797	0	0	0	0	0	2,797	0	2,797	125
	3300 NW 32 Ave		0	2,797	0	0	0	0	0	2,797	0	2,797	
32)	Busway ADA Improvements	3/2012	1,038	1,714	2,079	0	0	0	0	3,793	0	4,831	123,688,
	SW 200th St & SW 88th St		0	1,038	1,714	2,079	0	0	0	4,831	0	4,831	821,116
33)	Graphics and Signage Upgrade	3/2012	3,815	2,970	715	0	0	0	0	3,685	0	7,500	123
	Throughout Miami-Dade County		3,815	2,970	715	0	0	0	0	3,685	0	7,500	
34)	Infrastructure Renewal Plan (IRP)	1/2016	0	7,080	7,500	7,500	12,500	12,500	12,500	59,580	0	59,580	1116
	Department wide		0	7,080	7,500	7,500	12,500	12,500	12,500	59,580	0	59,580	
35)	Kendall Enhanced Bus Service	3/2011	8,721	2,320	0	0	0	0	0	2,320	0	11,041	123,821,
	Kendall		8,721	2,320	0	0	0	0	0	2,320	0	11,041	1116
36)	Lehman Yard Rehab. & Expansion Ph. 1	3/2012	100	3,545	5,068	0	0	0	0	8,613	0	8,713	1116
	6601 NW 72 Ave		100	3,545	5,068	0	0	0	0	8,613	0	8,713	
37)	Metromover Bicentennial Park Station Ref.	3/2012	178	1,230	971	0	0	0	0	2,201	0	2,379	123,688,
	Bicentennial Park Station		178	1,230	971	0	0	0	0	2,201	0	2,379	1116
38)	Metromover Station Canopies & Escal. Repl.	1/2012	628	4,655	2,007	0	0	0	0	6,662	0	7,290	123,1116
	Various		628	4,655	2,007	0	0	0	0	6,662	0	7,290	

TABLE 11  
MASS TRANSIT

April 2010

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
(In Thousands of Dollars)													
39)	Metrorail WiFi Implementation —Various	—1/2010	0 0	2,400 2,400	0 0	0 0	0 0	0 0	0 0	2,400 2,400	0 0	2,400 2,400	123
40)	Mover Video Project —Various	—3/2010	0 0	698 698	0 0	0 0	0 0	0 0	0 0	698 698	0 0	698 698	123
41)	Replace Hybrid Vehicles —Various	—1/2010	0 0	400 400	0 0	0 0	0 0	0 0	0 0	400 400	0 0	400 400	123
42)	Transit Operations System (TOS) Repl. Proj. 111 NMW 1st St	3/2012	1,028 1,028	4,759 4,759	413 413	0 0	0 0	0 0	0 0	5,172 5,172	0 0	6,200 6,200	123,1116
43)	Mover Fiber Replacement —Various	—3/2010	0 0	3,200 3,200	0 0	0 0	0 0	0 0	0 0	3,200 3,200	0 0	3,200 3,200	123
44)	Park & Ride Fac. at SW 168 St & Busway SW 168 St and Busway	3/2011	0 0	1,400 1,400	0 0	0 0	0 0	0 0	0 0	1,400 1,400	0 0	1,400 1,400	821,1116
	Subtotals		512,542 511,504	384,798 384,122	218,658 218,293	193,702 195,781	248,771 248,771	256,037 256,037	149,638 149,638	1,451,604 1,452,642	1,776 1,776	1,965,922 1,965,922	
	<u>Proposed Additions, April 2010 CDMP Amendment Cycle</u>												
45)	Upgrade &/or Replace Bus Tracker & AVLS 111 NW First Street	3/2012	2,600 2,600	4,740 4,740	9,770 9,770	0 0	0 0	0 0	0 0	14,510 14,510	0 0	17,110 17,110	1116
46)	Park & Ride Facility @ Quail Roost Dr. SW 184th St & Busway	1/2011	0 0	4,379 4,379	0 0	0 0	0 0	0 0	0 0	4,379 4,379	0 0	4,379 4,379	125,821
47)	Municipal Alloc. of ARRA Funding Various	2/2011	0 0	10,557 10,557	0 0	0 0	0 0	0 0	0 0	10,557 10,557	0 0	10,557 10,557	123
	Subtotals of Proposed Additions		2,600 2,600	19,676 19,676	9,770 9,770	0 0	0 0	0 0	0 0	29,446 29,446	0 0	32,046 32,046	
	TOTALS		515,142 514,104	404,474 403,798	228,428 228,063	193,702 195,781	248,771 248,771	256,037 256,037	149,638 149,638	1,481,050 1,482,088	1,776 1,776	1,997,968 1,997,968	

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

TABLE 11

April 2010

## MASS TRANSIT

Project Number	Project Name and Location	Purpose* / Year of Completion	Expenditures								Six Year Totals	Future Years	Project Totals	Funding Source
			Prior Years	Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										

Projects "strikethrough" are proposed deletions, April 2010 CDMP Amendment Cycle

Source: Miami-Dade Transit, Office of Public Transportation Management, and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.

TABLE 12

April 2010

## WATER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
1)	South M-D Water Trans. Mains Improv. South Miami-Dade County	3/2012 3/2015	0 0	0 0	1,100 1,100	5,900 5,900	6,500 6,500	0 0	0 0	13,500 13,500	0 0	13,500 13,500	1171
2)	Water T. Plant - Alexander Orr,Jr. Expansio 6800 S.W. 87 Ave.	3/2015	9,477 9,477	18,818 18,818	29,093 29,093	17,718 17,718	6,500 6,500	1,450 1,450	0 0	73,579 73,579	0 0	83,056 83,056	495,1170, 1171,1261, 1265
3)	Water T.Plant - Hialeah/Preston Improv. 700 W. 2 Ave./1100 W. 2 Ave.	3/2015 3/2017	7,168 7,168	15,350 15,350	19,120 19,120	7,537 7,537	14,777 14,777	8,884 8,884	4,000 4,000	69,668 69,668	4,000 4,000	80,836 80,836	495,1170, 1171,1178, 1261,1265
4)	Wellfield Improvements Systemwide	3/2015	1,694 1,694	500 500	0 0	0 0	0 0	0 0	0 0	500 500	118,664 118,664	120,858 120,858	520,1171, 1261,1265
5)	Water Main - Extensions Systemwide	1/2014	991 3,924	419 0	419 0	419 0	419 0	419 0	419 0	2,514 0	419 0	3,924 3,924	496
6)	Central M-D Water Trans. Mains Improv.. Central Miami-Dade County Area	3/2014	3,629 3,629	9,068 9,068	6,191 6,191	0 0	0 0	1,121 1,121	2,651 2,651	19,031 19,031	16,080 16,080	38,740 38,740	495,520, 1171,1261, 1265
7)	North M-D Water Trans. Mains Improv. North Miami-Dade County Area	3/2012 3/2015	10,138 10,420	2,500 2,218	2,100 2,100	2,168 2,168	1,655 1,655	1,413 1,413	1,335 1,335	11,171 10,889	0 0	21,309 21,309	495,520, 1171,1221, 1261,1265
8)	W.T.P. Replacement & Renovations Water Treatment Plants	3/2013	15,129 15,129	5,658 5,658	3,222 3,222	4,026 4,026	4,400 4,400	3,949 3,949	3,045 3,045	24,300 24,300	3,045 3,045	42,474 42,474	495,1171, 1261
9)	Water System Maintenance & Upgrades Systemwide	3/2013	33,025 33,025	26,508 26,508	11,755 11,755	11,755 11,755	11,755 11,755	11,755 11,755	11,755 11,755	85,283 85,283	11,755 11,755	130,063 130,063	495
10)	Water Distribution System Extension Enhan Systemwide	3/2014	46,329 46,329	14,608 14,608	28,820 28,820	25,792 25,792	20,344 20,344	18,085 18,085	32,274 32,274	139,923 139,923	53,224 53,224	239,476 239,476	403,495,952, 1026,1170,11' 1221,1261,1265
11)	Water Equipment & Vehicles Systemwide	3/2013	18,901 25,748	7,191 7,191	11,038 7,908	10,802 7,085	7,085 7,085	7,085 7,085	7,085 7,085	50,286 43,439	7,085 7,085	76,272 76,272	495
12)	Water General Maintenance & Office Faciliti Systemwide	3/2014	8,378 8,378	7,183 7,183	15,513 15,513	5,832 5,832	3,833 3,833	4,100 4,100	4,729 4,729	41,190 41,190	0 0	49,568 49,568	520,1170, 1171,1261,

TABLE 12

April 2010

## WATER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
13)	Water System Fire Hydrant Installation Systemwide	1/2013	5,356 5,356	2,157 2,157	2,155 2,155	2,152 2,152	2,152 2,152	2,152 2,152	2,152 2,152	12,920 12,920	2,152 2,152	20,428 20,428	1265 403
14)	Water Engineering Studies Systemwide	3/2011	100 100	125 125	25 25	0 0	0 0	0 0	0 0	150 150	0 0	250 250	1171,1221, 1261
15)	Safe Drink Water Act Mod-SWT Rule&D-DI Systemwide	3/2014	11,942 17,939	15,050 14,850	51,124 49,925	101,750 99,250	136,443 134,345	123,529 123,529	13,526 13,526	441,422 435,425	0 0	453,364 453,364	520,1170,117 1178,1180,12 1261,1265
16)	South Miami Heights W.T.P. & Wellfield 11800 SW 208 St.	3/2013	28,621 44,689	58,200 45,482	65,271 62,921	33,000 32,000	0 0	0 0	0 0	156,471 140,403	0 0	185,092 185,092	403,520,1170 1171,1178, 1261,1265
17)	Water Telemetry System Enhancements Systemwide	3/2015	3,064 3,064	433 433	433 433	433 433	433 433	433 433	433 433	2,598 2,598	0 0	5,662 5,662	495,1171, 1261
18)	W.T.P. Miscellaneous Upgrades Water Treatment Plants	3/2012	7,792 10,349	4,952 2,595	11,066 10,866	4,394 4,394	127 127	0 0	0 0	20,539 17,982	0 0	28,331 28,331	495,1170 1171,1178, 1261,1265
19)	Alternative Water Supply												
	A. ASR Ultraviolet(UV)Disinfection Sys for ASR Syst.@W&SW Wellfield	3/2013	8,706 8,706	2,500 2,500	1,001 1,001	0 0	0 0	0 0	0 0	3,501 3,501	0 0	12,207 12,207	969, 998, 1178
	B. Hialeah Floridan Aquifer Reverse Osmosis (RO) WTP Ph I (10 mgd)	1/2014	13,502 28,013	27,890 13,379	19,500 19,500	20,000 20,000	0 0	0 0	0 0	67,390 52,879	0 0	80,892 80,892	520, 998
	C. Hialeah Floridan Aquifer Reverse Osmosis (RO) WTP Ph II (5 mgd)	2/2017	0 0	0 0	0 0	1,348 1,348	7,383 7,383	4,085 4,085	0 0	12,816 12,816	0 0	12,816 12,816	998
	D. Hialeah Floridan Aquifer Reverse Osmosis (RO) WTP Ph III (2.5 mgd)	2/2028	0 0	0 0	0 0	0 0	0 0	0 0	6,099 6,099	6,099 6,099	0 0	6,099 6,099	998
	E. ASR - 20 Year Water Use Permit Regional Impact Projects	3/2028	1,319 1,319	724 724	0 0	0 0	0 0	0 0	0 0	724 724	0 0	2,043 2,043	1178

TABLE 12

April 2010

## WATER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures						Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16				
				(In Thousands of Dollars)									
	F. Installation of 36 Inch DI Water Main NW 87 Ave from NW 154 St to 186 St	3/2012	2,826	3,174	0	0	0	0	0	3,174	0	6,000	520
			2,826	3,174	0	0	0	0	0	3,174	0	6,000	
20)	Automation of Water Treatment Plants Systemwide	3/2011	700	350	0	0	0	0	0	350	0	1,050	520
			1,050	0	0	0	0	0	0	0	0	1,050	
Subtotals			238,787	223,358	278,946	255,026	223,806	188,460	89,503	1,259,099	216,424	1,714,310	
			288,332	192,521	271,648	247,390	221,289	188,041	89,084	1,209,973	216,005	1,714,310	
<u>Proposed Additions, April 2010 CDMP Amendment Cycle</u>													
21)	87 Ave Water Main (Medley) - (GOB) - 17-1 Various	3/2010	640	0	0	0	0	0	0	0	2,760	3,400	11,13,14, 23
			640	0	0	0	0	0	0	0	2,760	3,400	
22)	Florida Aquifer W.T.P. (Hialeah)-(GOB) 17- Various	3/2010	9,500	0	500	0	0	0	0	500	0	10,000	11,18
			9,500	0	500	0	0	0	0	500	0	10,000	
23)	Needs Assessments Projects -(GOB)-17-2 Various (Water 80%)	3/2010	4,920	1,322	0	0	0	0	0	1,322	13,313	19,555	11,13,14, 17,23,24
			4,926	1,316	0	0	0	0	0	1,316	13,313	19,555	
24)	NW 37 Ave Industrial Dev. Area -(GOB)-17- NW 37th Ave and NW 36 St (Water 50%)	3/2010	322	0	764	1,000	1,000	0	0	2,764	1,914	5,000	11,13,14, 23,26,27
			322	0	1,764	0	1,000	0	0	2,764	1,914	5,000	
25)	NW Wellfield Land Buffer Acq. -(GOB)-17-1 Various	3/2010	2,708	0	0	0	0	0	0	0	1,292	4,000	11,13,14, 23
			2,708	0	0	0	0	0	0	0	1,292	4,000	
26)	Perrine /Cutler Improv. -(GOB)-17-17 Various (Water 30%)	3/2010	404	2,289	168	0	0	0	0	2,457	1,334	4,195	11,13,17, 18,23,24
			443	2,250	168	0	0	0	0	2,418	1,334	4,195	
27)	System Enhancements -(GOB)-17-13 Various (Water 50%)	3/2010	2,534	1,322	155	0	0	0	0	1,477	10,993	15,004	11,14,17, 18,23,24, 25
			2,534	1,322	155	0	0	0	0	1,477	10,993	15,004	
28)	System Improvements Project -(GOB)-17-1 Various (Water 50%)	3/2010	967	0	0	0	0	0	0	0	42,423	43,390	11,13,14, 23,24
			967	0	0	0	0	0	0	0	42,423	43,390	

TABLE 12

April 2010

## WATER FACILITIES

Project Number	Project Name and Location	Purpose* / Year of Completion	Prior Years	Expenditures							Six Year Totals	Future Years	Project Totals	Funding Source
				Revenues										
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
				(In Thousands of Dollars)										
29)	Water Main Install.Sunset Area -(GOB)-17-Various	3/2010	1,333 1,333	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1,377 1,377	2,710 2,710	11,13,14,23	
30)	Water Pipes & Infrastructure Projects Countywide	1/2011	0 0	10,000 10,000	0 0	0 0	0 0	0 0	0 0	10,000 10,000	0 0	10,000 10,000	495	
31)	Water Rate Enhancement Project Hialeah	1/2011	0 0	5,000 5,000	0 0	0 0	0 0	0 0	0 0	5,000 5,000	0 0	5,000 5,000	495	
Subtotals of Proposed Additions			23,328 23,373	19,933 19,888	1,587 2,587	1,000 0	1,000 1,000	0 0	0 0	23,520 23,475	75,406 75,406	122,254 122,254		
TOTALS			262,115 311,705	243,291 212,409	280,533 274,235	256,026 247,390	224,806 222,289	188,460 188,041	89,503 89,084	1,282,619 1,233,448	291,830 291,411	1,836,564 1,836,564		

\* 1=Existing Deficiency; 2=Future Growth; 3=Combined

Source: Miami-Dade Water and Sewer Department and Department of Planning and Zoning.  
Data provided by the Office of Strategic Business Management.



**CAPITAL IMPROVEMENTS ELEMENT  
LIST OF FUNDING SOURCES**

**Code**

**Federal Government**

123 FTA Section 5307/5309 Formula Grant  
124 Federal Aviation Administration  
125 FTA Section 5309 Discretionary Grant  
142 Army Corps of Engineers  
190 Comm. Dev. Block Grant  
198 FEMA Reimbursements  
199 FEMA Hazard Mitigation Grant  
1026 EPA Grant  
~~1096 Nat'l Oceanic Atmospheric Association~~  
1141 US Department of Homeland Security  
1145 Transportation Security Administration Funds  
1189 Improvement Fund  
3770 Comm. Dev. Block Grant – Recovery

**Local Governments  
(Non-County Sources)**

350 Municipal Contribution  
~~370 City of Miami Contribution~~  
380 City of Coral Gables Contribution  
1002 Other - Non County Sources  
~~1003 Non-County Contributions~~  
~~1004 Cash Donations - Non-County Sources~~  
1106 Private Donations  
1164 Commissioner Donations

**State of Florida**

821 Florida DOT Funds  
834 State Beach Erosion Control Funds  
840 Florida Boating Improvement Fund  
885 Florida Inland Navigational District  
~~890 Florida Department of State~~  
~~895 S. Fl. Water Mgmt. District Grant~~  
1082 Florida Department of Environmental Protection  
1083 Florida Department of Community Affairs  
1090 FDOT -County Incentive Grant Program  
1180 Rock Mining Mitigation Fees  
3711 FDOT Toll Revenue Credits

**County Proprietary Operations**

403 Fire Hydrant Fund  
406 Aviation Passenger Facility Charge  
440 Causeway Toll Revenue

450 Waste Disposal Operating Fund  
 451 Waste Collection Operating Fund  
 470 Biscayne Bay Envir. Trust Fund  
 490 Wastewater Renewal Fund  
 495 Water Renewal & Replacement Fund  
 496 Water Special Construction Fund  
 497 Wastewater Special Construction Fund  
 1177 HLD Special Construction Fund  
 1178 Water Construction Fund  
 1179 Wastewater Construction Fun

### **Impact Fees/Exactions**

500 Road Impact Fees  
 501 Park Impact Fees  
 507 Developer Fees/Donation  
 520 Water Connection Charges  
 521 Wastewater Connection Charges

### **County Bonds/Debt**

11 BBC GOB Series 2005A  
 12 BBC GOB Series 2008A  
 13 BBC GOB Series 2008B  
 14 BBC GOB Series 2008B-1  
 17 BBC GOB Series 2010B  
 18-25 BBC GOB Future Series Base  
 26 BBC GOB Future Series Option 1  
 27 BBC GOB Future Series Option 2  
 907 Sunshine State Financing  
~~908 Lease Financing County Bonds/Debt~~  
~~912 Water Revenue Bonds 1997~~  
 914 Wastewater Revenue Bonds Series 1997  
 917 Tenant Financing  
~~920 Future Aviation Revenue Bonds~~  
~~921 Aviation Revenue Bonds Sold~~  
 927 Safe Neigh. Parks (SNP) Proceeds  
 930 Safe Neigh. Parks (SNP) Challenge Grants  
 951 State Revolving Loan Wastewater Program  
 952 State Revolving Loan Water Program  
~~959 Water Revenue Bonds 1999O~~  
 961 Future Wastewater Revenue Bonds  
 965 Future Solid Waste Disp. Notes/Bonds  
 966 Bond Anticipation Notes  
 969 Water Revenue Bonds Series1995  
 970 Wastewater Revenue Bonds Series 1995  
 972 Solid Waste System Rev. Bonds 1998  
~~979 QNIP Phase I UMSA Bond Proceeds~~  
~~982 QNIP Phase I UMSA Bond Proceeds~~  
~~985 PAC Bond Proceeds~~  
 998 Future Water Revenue Bonds

999 Other – County Bonds/Debt  
 1000 Seaport Bonds/Loans (County Bonds/Debt)  
 1027 Solid Waste System Rev. Bond 2001 (County Bonds/Debt)  
 1087 QNIP Phase II UMSA Bond Proceeds  
 1116 People's Transportation Plan Bond Program  
 1131 QNIP Phase IV UMSA Bond Proceeds  
~~1135 Building Better Communities GOB Program~~  
 1137 Capital Asset Acquisition Bond 2004B Proceeds  
 1140 Solid Waste System Revenue Bonds, Series 2005  
 1170 WASD Revenue Bonds Sold  
 1171 Future WASD Revenue Bonds  
 1184 QNIP Phase V UMSA Bond Proceeds  
~~1188 Building Better Communities Future Series GOB~~  
1217 QNIP Interest  
 1221 WASD Water Commercial Paper  
 1222 WASD Wastewater Commercial Paper  
1225 Capital Asset Series 2002 Bond Proceeds  
1227 Sunshine State Series 2001 Interest  
~~1229 Sunshine State Series 2008 Interest~~  
~~1250 Capital Asset Acquisition Bond 2009 Proceeds~~  
~~1257 Convention Development Taxes – Series 2009~~  
~~1258 Professional Sport Development Tax – Series 2009 Bonds~~  
1261 Water Construction – 2011 Bonds  
1262 Wastewater Construction – 2011 Bonds  
1264 Wastewater Construction – 2009 Bonds  
1265 Water Construction – 2009 Bonds  
3763 Aviation Revenue Bonds  
3764 Double – Barreled GO Bonds  
3766 Capital Asset Series 2009A Bonds  
3771 Capital Asset Series 2010 Bonds

### Other County Sources

~~620 Departmental Trust Funds~~  
 630 Stormwater Utility  
~~632 QNIP Phase I Stormwater Pay as You Go~~  
 640 Interest Earnings  
 650 Capital Outlay Reserve  
~~659 Department Operation Revenue~~  
 660 Endangered Lands Voted Millage  
 670 Secondary Gas Tax  
~~683 Convention Development Tax~~  
 688 Capital Improvements Local Option Gas Tax  
~~1007 Miscellaneous – Other County Sources~~  
 1008 Operating Revenue  
~~1043 Future Financing~~  
~~1085 Liability Trust Fund (Other County Sources)~~  
 1107 Chapter County Transit System Surtax  
 1133 QNIP Phase III Pay As You Go

Note: Funding sources to be added are underlined; funding sources to be deleted are ~~stricken through~~. All other funding sources exist in the Plan and will remain unchanged.

## **Monitoring Program**

In order to enable the preparation of the periodic Evaluation and Appraisal Report (EAR) as required by Section 163.3191, Florida Statutes (F.S.), the Minimum Criteria Rule (Rule 9J-5, Florida Administrative Code [F.A.C.]) requires that local comprehensive plans contain adopted procedures for monitoring and evaluating the Plan and its implementation (Sections 9J-5.005[1] [c] [5] and 9J-5.005[7], F.A.C.). In addition, successful implementation of level of service standards, and requirements that services be available at the time of development, also require the establishment or enhancement of monitoring and reporting programs.

This section of the Element outlines the substantive aspects of Miami-Dade County's monitoring program pertinent to the objectives, policies and parameters referenced in this Element. It should be understood that the proposed programs or program improvements are continuously refined over time. Undoubtedly, by the time that the next EAR is prepared, the measures and procedures outlined here may have been modified to reflect practical experience.

The administrative requirements for monitoring and preparation of the EAR as outlined in Section 9J-5.005[7], F.A.C. are not repeated here. They are outlined only in the Land Use Element to avoid redundancy. The reader is referred to that Element for a summary of those procedural requirements.

To successfully function in its central role in growth management, the CIE must be periodically evaluated and revised to meet changing conditions. With the capital planning process as outlined in previous sections in place, the monitoring and adjustment of the CIE is essentially automatic and ongoing.

In essence, the County's present Capital Budget and Multi-Year Capital Plan is the basis for the CIE. The annual preparation of the CIP/CIE includes those changes in cost, revenue sources, timing or other allowable modifications. Except under special circumstances, the CIE is amended only at the time of the CDMP biennial or other authorized amendment period. At that time and within that process, the following is accomplished:

- Updating estimates and projections of growth indicators (population, housing, employment, land use, etc.)
- Assessment of existing and projected service levels versus standards.
- Status report on CIE projects (existing, programmed, planned), and assessment of capabilities.
- Determine new or expanded facilities needs.
- Review of fiscal conditions and preparation of updated analyses and forecasts.
- Determine financial needs for unmet facilities and services.
- Determine sources for additional financial support, modify standards to reduce financial obligation, or reduce growth potential.
- Amend CIE as necessary.

A component of the monitoring program is a special review and assessment of the development status and plans for public school and health facilities. Attention is given to this aspect of capital improvements programming in order to determine if there are any unique potential impacts on public infrastructure. Problems should be minimal as Miami-Dade County agencies routinely use projections and other growth indicators which reflect these facilities in terms of location, employment, trip generation and other parameters.

**Objective CIE-1**

Objective 1 will be evaluated through the use of information compiled in the annual CIE Summary Table.

**Objective CIE-2**

Objective 2 will be monitored by checking development records from the municipalities in the Barrier Islands.

**Objective CIE-3**

Concurrency records will be utilized to monitor and evaluate Objective 3.

**Objective CIE-4**

For each CIE category, the dollar ratio of unfunded projects to the total of both funded and unfunded projects will be tracked and will serve to measure progress on Objective 4.

**Objective CIE-5**

Objective 5 is basically a regulation, which is controlled by certain processes. These processes consist of the master functional plans from operational departments, the CDMP amendments cycles, the Development Impact Committee reviews, and the preparation of the Capital Improvement Element. Future monitoring of this objective will continue to rely on results of these activities.

## **Consistency of Projects in CDMP Capital Improvements Schedule with Other CDMP Elements**

Miami-Dade County, 2010/11-2015/16

### **Introduction**

Plan amendments are required by Rule 9J-11.007(1) of the Florida Administrative Code (F.A.C.) to be supported by data and analysis. The purpose of this analysis is to address Rule 9J-5.016(4)(a) 1.b, F.A.C., which requires a demonstration of consistency between the Schedules of Improvements in the Capital Improvements Element (CIE) and the individual elements of the Comprehensive Development Master Plan (CDMP). The Florida Department of Community Affairs (DCA) in the 2006 publication, "A Guide to the Annual Update of the Capital Improvements Element," stated that one approach to demonstrating consistency is to cite in the tables of Schedules of Improvements the policy, table or page in another element that would identify a project as a deficiency, replacement project or designed to meet a future need. Another approach, as addressed in a CIE training workshop on August 16, 2007, is to determine if the project generally implements the goals, objectives and policies of the CDMP by citing the comprehensive plan reference relevant to the project in a supporting document.

The Department of Planning and Zoning (DP&Z) in the data and analysis report for Application No. 3 is utilizing the second approach. For each project in Tables 2 through 12 in the Schedules of Improvements, the data and analysis report identifies the provision in an element such as an adopted goal, objective, policy, table or figure that either supports the project, or is implemented by the project. While several provisions in an element or several elements may be applicable to a project, only the most relevant provision is identified in this report. For each table in the Schedules of Improvements, projects will be grouped by the most relevant CDMP provision (See "Consistency of Projects in CDMP Capital Improvements Schedule" Table below). As an example, if Objective TC-2 in the Traffic Circulation Subelement were the most relevant provision for roadway projects 167 through 172 in Table 10 (Traffic Circulation), those projects would be listed with that policy in the review section for Table 10 in the data and analysis report.

A demonstration of consistency with other CDMP elements has been prepared for only the new projects (added to Capital Improvements Schedule after April 07 Amendment Cycle) identified in the Schedules of Improvements. This approach is consistent with Rule 9J-11.007(2), F.A.C., which allows local governments to make a reference to previously submitted data and analysis on which it relies on to support an amendment.

**Consistency of Projects in CDMP Capital Improvements Schedule  
with Other CDMP Elements**

Miami-Dade County, 2010/11—2015/16

<b>Table Number</b>	<b>CDMP Objective/Policy/Table/Figure</b>	<b>Proposed Project Number(s)</b>
2 Aviation	N/A	No New Proposed Projects
3 Coastal Management	N/A	No New Proposed Projects
4 Conservation	N/A	No New Proposed Projects
5 Drainage	Objective CON-5	45, 47
	Objective CON-5, Policy CON-5E	44, 46, 48, 49
6 Park and Recreation	Policies ROS-4F, ROS-5C	113
	Policy ROS-3A	109
	Policy ROS-5C	110, 111, 112
	Policies ROS-3B, ROS-5F, ROS-8E	114
7 Seaport	Objective PM-3	30-31
	Objectives PM-1, PM-3	32, 34, 35
	Objectives PM-2, PM-3	33
8 Sewer Facilities	Policies WS-1G, WS-2F, WS-3B, Objective SW-3	38-46
	Policies WS-1G, WS-3B, Objective WS-3	39
9 Solid Waste Management	Objective CON-2	36
10 Traffic Circulation	Policy TE-2G	158
	Objective TC-2	167-172
	Objective TC-3	159-166, 173-174
11 Mass Transit	Objective MT-4	45
	Policy MT-8A	46
	Objectives MT-2, MT-4	47
12 Water Facilities	Policy WS-1G	24-25, 27-30, 32-33
	Policy WS-6A	22
	Policies WS-1G, WS-3A	21, 31
	Policies WS-3A, WS-6B	26

Source: Miami-Dade County Department of Planning and Zoning, 2010



CAPITAL REVENUE SUMMARY BY SOURCE  
Capital Improvements Element  
Miami-Dade County, 2010/11 - 20015/16

April 2010 Cyc

Funds From Page	Revenue Source	LOS Applicability	Prior Years	Revenues *						Six Year Totals	Future Years	Project Totals	Funding Source
			2010/11	2011/12	2012/13	2013/14	2014/15	2015/16					
(In Thousands of Dollars)													
3-70	<b>Federal Government</b>												
	FTA Section 5307/5309 Formula Grant	No	11,604	108,271	80,407	75,172	78,930	82,877	87,021	512,678	0	524,282	123
	Federal Aviation Administration	No	301,103	2,108	0	0	0	0	0	2,108	0	303,211	124
	FTA Section 5309 Discretionary Grant	No	8,755	13,358	1,680	2,075	60	109	60	17,342	0	26,097	125
	Army Corps of Engineers	No	12,666	2,539	12,500	44,300	31,800	0	0	91,139	0	103,805	142
	Table 3 (Project #3)												
	Table 7 (Project #8)												
	FEMA Reimbursements	No	7,914	0	0	0	0	0	0	0	0	7,914	198
	Table 7 (Project #9), (Project #22)												
	FEMA Hazard Mitigation Grant	No	1,973	803	0	0	0	0	0	803	0	2,776	199
	Table 7 (Project #5)												
3-70	<b>State of Florida</b>												
	Florida DOT Funds	No	451,049	150,286	39,148	21,356	10,980	5,383	0	227,153	0	678,202	821
3 - 71	<b>County Bonds/Debt</b>												
	Future Solid Waste Disp. Notes/Bonds	No	0	0	0	17,365	0	0	0	17,365	49,780	67,145	965
	Future Financing	No	0	2,674	39,138	0	240,000	0	0	281,812	0	281,812	1043
	Future WASD Revenue Bonds	No	0	0	753,807	704,368	685,201	679,980	369,779	3,193,135	1,685,844	4,878,979	1171
3 - 71	<b>Developer Fees/Donation **</b>	Yes	0	15,480	11,210	10,864	7,750	0	0	45,304	1,000	43,304	507
	Declaration of Restrictrions:	CFN	2007R0802049	(08/14/2007)	Table 10	(Project #117)							
		CFN	2008R0495143	(06/17/2008)	Table 10	(Project #124 to #129)				Table 11	(Project #21)		
		CFN	2008R0445420	(05/30/2008)	Table 10	(Project #130 to #132)							
		CFN	2008R0445422	(05/30/2008)	Table 10	(Project #133 to #134)							
	DRI - Development Order:		Z-06-01		Table 10	(Project #11 to #14)							
			Z-11-02		Table 10	(Project #17 to #20)							

Notes: \* All revenues represent existing fund balances and committed revenue sources, as well as existing committed bond proceeds from prior/current year issuance and future bond proceeds anticipated to be realized upon issuance. Bond proceeds represent payments from existing committed revenue sources estimated by forecast or projection.

\*\* All revenues from "Developer Fees/Donation" are considered committed revenues as indicated by the enforceable development agreements. Noted above are the Declaration of Restrictrions (covenants) and DRI-Development Order (DO) and the corresponding Recording number and Resolution number correlating to those projects.

Source: Miami-Dade County Department of Planning and Zoning. Data provided by the Office of Strategic Business Management.  
FY 2010-11 Proposed Resource Allocation and Multi-Year Capital Plan, Miami-Dade County, Florida, Volume 3

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# **Appendix A**

## **CDMP Amendment Application**

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## APPLICATION NO. 3

### APPLICATION REQUESTING AMENDMENT TO THE COMPREHENSIVE DEVELOPMENT MASTER PLAN

#### 1. APPLICANT

Miami-Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1210  
Miami, Florida 33128-1972  
(305) 375-2835

#### 2. APPLICANT'S REPRESENTATIVE

Marc C. LaFerrier, AICP, Director  
Miami-Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1210  
Miami, Florida 33128-1972

By:  April 30, 2010

#### 3. DESCRIPTION OF REQUESTED CHANGES

The following changes are requested to the Capital Improvements Element (CIE)<sup>1</sup>:

- A. In the CIE Schedules of Improvements, Tables of Proposed Projects, modify the following currently adopted tables as indicated in the attached tables: Table 2, Aviation; Table 3, Coastal Management; Table 4, Conservation; Table 5, Drainage; Table 6, Park and Recreation; Table 7, Seaport; Table 8, Sewer Facilities; Table 9, Solid Waste Management; Table 10, Traffic Circulation; Table 11, Mass Transit; and Table 12, Water Facilities.

Proposed additions are listed under the heading "Proposed Additions, April 2010 CDMP Amendment Cycle". Proposed deletions are indicated by items being ~~stricken through~~ and footnoted accordingly. All other Proposed Projects already exist in the CIE and remain essentially unchanged.

- B. Revise any other summary table or related text in the Capital Improvements Element as necessary to be consistent with the additions, deletions, or changes made by Part A of this application.

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<sup>1</sup> Note: (The proposed updated Tables are not presented in the Applications Report but will be published in the Initial Recommendations Report in August 25, 2010 for reasons noted below.)

#### **4. REASONS FOR CHANGE**

In accordance with Chapter 163, Part II, Florida Statutes as modified by the Growth Management Act of 2005, addition or deletion of projects along with the deferral or delay of the dates of construction projects in the Schedules of Improvements of the Capital Improvements Element must be accomplished by Plan amendment. Changes to the Schedules of Improvements that do not require an amendment but may be adopted by ordinance and transmitted to the Florida Department of Community Affairs (DCA) for record keeping purposes only include the following: a) corrections and modifications concerning costs of a project already included in the adopted schedule; b) corrections and modifications concerning revenue sources; and c) acceptance of facilities pursuant to dedications, which are consistent with the plan.

As conditions and priorities in the community change, the programs of capital facilities for the respective functional areas require modification. The requested changes contained in the application were initiated by the various operating departments and include, when necessary, adjustments to the scheduling, projects costs, or revenue levels and sources.

There are numerous reasons why operating departments propose to add or delete projects or defer or delay the dates of construction projects. Generally, they do so in following their department's capital improvements strategy, which, in turn, is driven by their functional plans and the associated element(s) of the CDMP. Most often, projects are added as needed and deleted as they are finished or no longer needed. The schedule date of construction of capital projects is the time in which construction is projected to be completed and the project becomes operational. The dates of construction projects can be delayed or deferred due to several reasons such as land acquisition, design, or permitting issues. Reasons for specific proposals will be outlined in the Initial Recommendations report.

It should be noted that the CDMP Capital Improvements Element (CIE) is closely coordinated with the production of the County's Resource Allocation and Multi-Year Capital Plan, in particular, the formulation of the County Manager's proposed budget that is published in June. The schedule for publishing April cycle CDMP amendment applications precedes the schedule for preparing the capital budget. Thus, the updated tables of CIE projects are not finalized at the time of printing of this application; the updated CIE tables will be published in the Initial Recommendations Report to be issued in August 2010 and will reflect the proposed budget. The proposals to be published will be subject to further review and adjustment during the period between their initial publication and prior to their final adoption as CDMP amendments in November, 2010, to reflect the Capital Budget adopted in September 2010.

#### **5. ADDITIONAL MATERIALS SUBMITTED**

None

# Application No. 4

## Countywide

### APPLICATION SUMMARY

Applicant/Representative:	Miami- Dade County Department of Planning and Zoning 111 NW 1 Street, Suite 1110 Miami, Florida 33128-1972
Location:	Countywide
Requested Text Changes:	Amend the CDMP to include a Community Health and Design Element
Amendment Type:	Standard Text Amendment

### RECOMMENDATIONS

Staff:	<b>ADOPT AND TRANSMIT</b> (August 25, 2010)
Community Councils:	<b>NOT APPLICABLE</b>
Planning Advisory Board (PAB) acting as Local Planning Agency:	<b>TO BE DETERMINED</b> (October 4, 2010)
Board of County Commissioners:	<b>TO BE DETERMINED</b> (November 3, 2010)
Final Recommendation of PAB acting as Local Planning Agency:	<b>TO BE DETERMINED</b>
Final Action of Board of County Commissioners:	<b>TO BE DETERMINED</b>

Staff recommends: **ADOPT AND TRANSMIT** the proposed amendment based on the Staff conclusions summarized below:

1. The purpose of this new element is to promote increased physical activity, improved pedestrian and bicycle safety, easy access to healthy foods, and the protection of natural systems. Implementation of this element through the zoning code, capital improvements and private development should decrease dependency on automobile use and improve the health of residents.
2. The Miami-Dade County Health Concerns section of the Data and Analysis, submitted in support of this new element, demonstrates the link between the built environment and public health, and further demonstrates that, in 2007, Miami-Dade County residents were slightly

more overweight and obese and were less involved in physical activities than the statewide averages. The data also demonstrates that, in 2008, the County had higher incidents of pedestrian injuries. The proposed Community Health and Design Element's emphasis on designing communities with pedestrians and bicyclists as the priority over cars should create a safer and more comfortable pedestrian and bicyclist environment encouraging more physical activities and help to reduce obesity, decrease diabetes, lower hypertension and reduce respiratory problems.

3. Improved access to healthy food and locally grown produce should lower obesity, reduce malnutrition, prevent disease and lower cholesterol levels.
4. The proposed element incorporates by reference the Aesthetics Master Plan into the CDM. The Aesthetics Master Plan was approved by the Board of County Commissioners on November 17, 2009. This plan recommends design standards, goals, objectives, and sustainability guidelines for County transportation corridors, gateways and key public facilities, which supports the intent of this new element. Therefore, a coordinated approach will be utilized toward the implementation of the goal, objectives and policies of this element and other County approved or adopted plans.

## **REQUESTED TEXT AMENDMENT**

The following is the proposed Community Health and Design Element.

### **Introduction**

The purpose of the Community Health and Design Element is to provide the framework for building communities that promote healthier lifestyles. The linkage between design and health has been well documented by numerous sources. Public and private organizations across the disciplines of planning and public health have conducted studies confirming the benefits pedestrian friendly development patterns can have in supporting health-sustaining activities, increasing physical activity and creating environments that are conducive to better health. This research has been the foundation and reference for the goals, objectives and policies advanced within this element.

**GOAL: TO DEVELOP SUSTAINABLE COMMUNITIES THROUGH DESIGN POLICIES THAT IMPROVE THE HEALTH OF RESIDENTS BY INCREASING PHYSICAL ACTIVITY, ASSURING SAFETY, PROVIDING A NUTRITIONAL FOOD ENVIRONMENT AND PROTECTING NATURAL SYSTEMS.**

**Objective CHD-1: Miami-Dade County shall apply design standards to the public domain to encourage physical activity.**

### **Policies**

**CHD-1A. Miami-Dade County shall create a network of sidewalks, trails, accessible parks and recreation facilities that establishes a pedestrian-friendly environment, which encourages physical activity and links destinations, such as restaurants, shops, work places and neighborhood-based retail to each other and residential areas.**



CHD-1B. Encourage all citizens to participate in physical activity by designing public space to universal access standards (ability of all people to have equal opportunity and access to services).

CHD-1C. Design and develop neighborhoods that provide a comfortable environment conducive for programs that integrate physical activity in the daily lives of children and adults.

CHD-1D. Design communities to support children's daily routines by establishing proximity among uses (e.g. schools, daycare, community centers, recreation facilities, open space, etc.).

CHD-1E. Designate locations for carpooling and bus stops that encourage residents to maintain a daily level of walking as part of their commute, and are designed in a manner that reflects the character of the community or district where the stops are located.

CHD-1F. Adopt and implement by 2014 high-quality streetscape design standards and façade treatments to reflect the character of the community to attract pedestrian activity.

CHD-1G. Promote coordination between jurisdictions in the planning and implementation of bicycle, trail, transit, pedestrian and other alternative transportation modes to establish continuous networks that support healthy communities.

CHD-1H. Adopt and implement by 2014 a signage and way-finding program within the public realm that is an aesthetic enhancement to the community. It should inform visitors of key locations, corridors and pedestrian/bicycle routes to destinations and amenities.

CHD-1I. Create walkable environments between tourist destinations through design guidelines that take measures to enhance the public realm and encourage pedestrian/bicycle activity.

CHD-1J. Apply guidelines from the Aesthetic Master Plan and Urban Design Manual to new and existing gateways, corridors and civic facilities.

**Objective CHD-2: Miami-Dade County shall apply design standards to private development projects to encourage physical activity.**

Policies

CHD-2A. Miami-Dade County will encourage land development to incorporate community design principles that encourage physical activity through the promotion of strategies, when appropriate, but not limited to:

1. Utilization of non-motorized transportation modes;
2. Location of public facilities accessible by multiple transportation modes;
3. Availability and maintenance of quality pedestrian paths or sidewalks;
4. Provision of street furniture and lighting enhancements;
5. Provision of civic and recreational facilities;
6. Establishment of interconnectivity between similar development projects through vehicular and/or pedestrian/bicycle cross access; and
7. Provision of pedestrian and bicycle linkages between existing residential and non-residential land uses.

CHD-2B. Encourage well designed infill and redevelopment to reduce vehicle miles traveled and improve air quality.

CHD-2C. Continue to conduct Area Plan studies and urban center rezonings that concentrate new population growth in areas with a mix of land uses, adequate infrastructure services and higher densities as a means of promoting healthy communities.

**Objective CHD-3: Institute safety measures through urban design and material standards.**

Policies

CHD-3A. Design and develop neighborhoods that can facilitate children walking safely to Miami-Dade County Schools.

CHD-3B. Encourage walking and bicycle riding as a means of transportation to and from school, by implementing capital projects that support the development of safe routes to school.

CHD-3C. Prepare design standards for lighting as a pedestrian safety measure along streets, paths, crosswalks and other points of vehicular conflict, as well as within public spaces.

CHD-3D. Update street design standards to incorporate traffic-calming measures, such as special paved crosswalks at key intersections and/or mid-block crossings, where applicable to promote pedestrian safety.

CHD-3E. Miami-Dade County shall consider the use of Crime Prevention Through Environmental Design (CPTED) strategies in site design by integrating CPTED strategies into the zoning code and Urban Design Manual.

CHD-3F. Miami-Dade County shall consider the use of CPTED strategies to address the safety of pedestrians in parking lots, transit terminals, parks and other public areas.

**Objective CHD-4: Promote local food production and improve access to healthy food products for all residents of Miami-Dade County.**

Policies

CHD-4A. Promote increased production and expand the availability of agricultural goods and other food products produced in Miami-Dade County.

CHD-4B. Promote the local sale and consumption of agricultural goods and other food products produced in Florida and specifically Miami-Dade County.

CHD-4C. Promote opportunities to obtain fresh foods in Miami-Dade County neighborhoods by encouraging the development of community gardens; fresh produce stands, farmer markets; small businesses such as vegetable and fruit markets, butcher shops, fish markets; and grocery markets by providing flexibility in the zoning code and other regulations.

CHD-4D. Ensure that all neighborhoods have multi-modal access to fresh food products.

CHD-4E. Encourage the establishment of farm-to-school initiatives and community supported agriculture programs.

**Objective CHD-5: Enhance natural systems through performance criteria for capital improvements.**

Policies

CHD-5A. The County shall investigate onsite stormwater management alternatives, such as bio-swales and green roofs, which reuse stormwater and reduce the rate of runoff from impervious surfaces.

CHD-5B. Enhance street cross section design standards to incorporate planting strips for both stormwater percolation and tree planting to provide shade.

CHD-5C. Implement and maintain the Miami-Dade Street Tree Master Plan to ensure an adequate urban forest and street tree coverage to reduce localized heat island effect.

CHD-5D. Encourage parking structures and increase tree plantings in surface parking lots to reduce the heat island effect attributable to exposed, impervious surfaces.

**Monitoring Program**

In order to enable the preparation of the periodic Evaluation and Appraisal Report (EAR) as required by Section 163.3191, F.S., the Minimum Criteria Rule (Rule 9J-5, F.A.C.) requires that local comprehensive plans contain adopted procedures for monitoring and evaluating the Plan and its implementation (Sections 9J-5.005[1][c][3], and 9J-5.005[7], F.A.C.). The section of Rule 9J-5, F.A.C. pertaining to minimum standards for optional elements was repealed in 2001, XI-10 but the general requirements for comprehensive plan elements still apply. Hence, a Monitoring Program is included. There are no Level of Service standards for this element. This section outlines the substantive features of Miami-Dade County's monitoring program pertinent to the objectives, policies, and parameters referenced in this Element. It should be understood that the proposed program might be refined over time, as more experience is gained. Undoubtedly, by the time that the next EAR, which would include this Element, is prepared the measures and procedures outlined herein will have been modified somewhat to reflect practical considerations. The administrative requirements for monitoring and preparation of the EAR as outlined in Section 9J-5.005(7), F.A.C. are not repeated here. They are outlined only in the Land Use Element to avoid redundancy. The reader is referred to that Element for a summary of those procedural requirements.

For the purpose of evaluating and assessing the implementation of the Community Health and Design Element in approximately Year 2017, each objective will be reviewed as follows to monitor the degree to which it has been reached.

**Objective CHD-1: Miami-Dade County shall apply design standards to the public domain to encourage physical activity.**

Mode split between car trips and other forms of transportation.

**Objective CHD-2: Miami-Dade County shall apply design standards to private development projects to encourage physical activity.**

Shift in development density patterns to infill areas, transit-oriented developments, and overall vehicle miles travelled per-capita.

**Objective CHD-3: Institute safety measures through urban design and material standards.**

Vehicular/pedestrian accidents – ratio compared to population.

Bicyclist/pedestrian accidents – ratio compared to population.

**Objective CHD-4: Promote local food production and improve access to healthy food products for all residents of Miami-Dade County.**

Percentage of locally grown products consumed in Miami-Dade County.

Number of markets within walking distance to residential development.

**Objective CHD-5: Enhance natural systems through performance criteria for capital improvements.**

Number of trees planted.

## STAFF ANALYSIS

The proposed Community Health and Design Element is developed as an optional element to the Miami-Dade County Comprehensive Development Master Plan (CDMP) in accordance with Chapter 163.3177, Florida Statutes (F.S.), and consistent with the requirements of Rule 9J-5, Florida Administrative Code (F.A.C.). The Element's overarching goal of developing sustainable communities that improve public health by increasing physical activity, assuring safety, providing a nutritional food environment and protecting natural systems will be achieved through measureable objectives, as outlined in the Element's proposed Monitoring Program, and implementing policies. The Element is supported by the required data and analysis attached as Appendix B.

The purpose of the Community Health and Design Element is to provide the framework for building communities that promote healthier lifestyles. The linkage between community or neighborhood design and health has been well documented by numerous sources. Public and private organizations across the disciplines of planning and public health have conducted studies confirming the benefits pedestrian friendly development patterns can have in supporting health-sustaining activities, increasing physical activity and creating environments that are conducive to better health. This research has been the foundation and reference for the goals, objectives and policies advanced within this element. The element also builds on and supports the County's urban design oriented Area Planning process (Area Planning studies that focus on specific study areas/communities) whereby the general consensus of all stakeholders is elicited for each study area/community towards developing a vision for the community's future growth and development.

The Miami-Dade County Health Concerns section of the data and analysis (Appendix B), highlights the link between the built environment and public health, and demonstrates a need to address public health and the safety of the County's pedestrian and cyclist environment through community/neighborhood design, among other considerations. The data and analysis shows that, in 2007, Miami-Dade County residents were less involved in physical activities, and were more overweight and obese (combined 64.9%) than the statewide average (62.1%). The data also demonstrates that the County had higher incidents of pedestrian injuries in 2008 (59.42 injuries per 100,000 persons) than the State (42.01 injuries per 100,000 persons), and that the County also had significant pedestrian fatalities (total 66) in 2008. The data points out that community and neighborhood design plays a key role in the levels of physical activity of County residents and has a significant impact on the safety of cyclists and pedestrians while reducing automobile dependency. The data and analysis highlights the health concerns, through documented incidences of diseases related to the lower levels of physical activities of County residents such as diabetes and hypertension, and identifies that better designed communities would positively impact and influence more physical activity.

The proposed Community Health and Design Element's emphasis on designing communities and neighborhoods with pedestrians and bicyclists as the priority over cars should create a safer and more comfortable pedestrian and bicyclist environment encouraging more physical activities and help to reduce obesity, decrease diabetes, lower hypertension, and reduce respiratory problems.

As outlined in the data and analysis, food systems planning yields multiple positive health outcomes that also address some of the health concerns raised above. Therefore, the Element's provisions for improved access to healthful foods through community and neighborhood design,

among other considerations, both promotes healthier communities through better food choices and supports the County's local agricultural industry.

### **Consistency Review with CDMP Goals, Objectives, Policies, Concepts and Guidelines**

Approval of the proposed Application No. 4 would further the implantation of the following CDMP objectives and policies:

- Objective LU-1. The location and configuration of Miami-Dade County's urban growth through the year 2025 shall emphasize concentration and intensification of development around centers of activity, development of well designed communities containing a variety of uses, housing types and public services, renewal and rehabilitation of blighted areas, and contiguous urban expansion when warranted, rather than sprawl.
- Policy LU-1A. High intensity, well-designed urban centers shall be facilitated by Miami-Dade County at locations having high countywide multimodal accessibility.
- Policy LU-1D. In conducting its planning, regulatory, capital improvements and intergovernmental coordination activities, Miami-Dade County shall seek to facilitate the planning of residential areas as neighborhoods which include recreational, educational and other public facilities, houses of worship, and safe and convenient circulation of automotive, pedestrian and bicycle traffic.
- Policy LU-1I. The County shall consider urban design, water and energy conservation and wildlife habitat when designing sites and selecting landscape material for all public projects.
- Objective LU-7. Miami-Dade County shall require all new development and redevelopment in existing and planned transit corridors and urban centers to be planned and designed to promote transit oriented development (TOD), and transit use, which mixes residential, retail, office, open space and public uses in a pedestrian-friendly environment that promotes the use of rapid transit services.
- Policy LU-7B. It is the policy of Miami-Dade County that both the County and its municipalities shall accommodate new development and redevelopment around rapid transit stations that is well designed, conducive to both pedestrian and transit use, and architecturally attractive. In recognition that many transit riders begin and end their trips as pedestrians, pedestrian accommodations shall include, as appropriate, continuous sidewalks to the transit station, small blocks and closely intersecting streets, buildings oriented to the street or other pedestrian paths, parking lots predominantly to the rear and sides of buildings, primary building entrances as close to the street or transit stop as to the parking lot, shade trees, awnings, and other weather protection for pedestrians.
- Policy LU-7C. On all streets served by Metrobus and all arterial or collector streets designated in the Mass Transit Subelement as year 2015 or 2025 potential service areas,

i) New non-residential buildings and substantial alterations<sup>1</sup> of existing nonresidential buildings, and residential buildings wherever practical, shall provide at least one full-time building entrance that is recognizable and accessible from the street and is comparably as close to the street and/or bus stop as it is to the primary parking lot; and

ii) New residential and non-residential developments, subdivisions and replats shall provide for buildings that front the transit street, or provide streets or pedestrian connections that intersect with the transit street in close proximity to bus stops not more than 700 feet apart and, as appropriate, shall provide for new bus stops and/or pullouts.

Policy LU-7D.      Redevelopment of property within one-half mile of existing or planned mass transit stations and bus routes shall not cause an increase in walking distances from nearby areas to the transit services and shall, wherever practical, be done in a manner that reduces walking distances and is comfortable and attractive to pedestrians.

Policy LU-9K.      By 2007, Miami-Dade County shall initiate the review and revision of its Subdivision Regulations to facilitate the development of better planned communities. The Public Works Department shall specifically review and update the Subdivision Regulations for urban design purposes. Changes to be considered shall include provisions for:

i) Open space in the form of squares, plazas, or green areas in residential and commercial zoning categories; and

ii) A hierarchy of street types and designs, ranging from pedestrian and bike paths to boulevards that serve both neighborhood and areawide vehicular and pedestrian trip making needs by addressing cross sections, corner radii, connectivity and rationality of street and pathway networks, and balanced accommodation of automobiles, pedestrians, bicyclists, and landscaping.

Policy LU-9O.      Miami-Dade County shall by 2007 review and revise its development regulations to provide a density bonus for good urban design in the zoning districts that fall within the Medium-High Density range of 25 to 60 dwelling units per gross acre. These development regulations shall address such urban design concerns as identifying civic areas, incorporating any historic theme, defining open space and streets, and providing a pedestrian-friendly environment along roadways.

Objective TE-2.      In furtherance of pedestrianism as a mode of transportation encouraged in the planned urban area, by 2008 Miami-Dade County shall enhance its transportation plans, programs and development regulations as necessary to accommodate the safe and convenient movement of pedestrians and non-motorized vehicles, in addition to automobiles and other motorized vehicles.

- Policy TE-2A. The County shall continue to promote and assist in the creation of a Countywide system of interconnected designated bicycle ways, and promote the implementation of the *Miami-Dade Bicycle Facilities Plan*.
- Policy TE-2B. By 2008, the County shall develop a comprehensive countywide greenways network providing continuous corridors for travel by pedestrians and non-motorized vehicles incorporating elements of the adopted South Dade Greenway Network Master Plan and the North Dade Greenways Plan.
- Policy TE-2C. In road construction and reconstruction projects, roadway designs shall protect and promote pedestrian comfort, safety and attractiveness in locations where the Land Use Element seeks to promote activity along road frontages, such as in areas planned for community- or neighborhood-serving businesses and all planned Urban Center and transit station locations. Such measures should include, wherever feasible, onstreet parking, wide sidewalks, and abundant landscaping at the street edge. Additionally, boulevard section designs should be utilized where appropriate, including central through lanes and frontage lanes for local traffic and parking, separated from the through lanes by landscaped areas, with frequent opportunities for pedestrians to safely cross the through lanes, and right of way to facilitate these designs should be reserved or acquired where necessary. Roadway pedestrian facility considerations shall also be consistent with the policies addressing pedestrianism contained in the Land Use Element.
- Policy TE-2E. The County shall require accommodation of bicycle travel and pedestrian needs in plans for future arterial and collector road construction, widening or reconstruction projects where designated by the Bicycle Facilities Plan, wherever feasible.
- Policy TE-2F. The County shall consider the use of utility easements and transit or railroad rights of- way as locations for bicycle ways linking major urban activity centers.
- Policy TE-2G. The County shall encourage inclusion in, and review, all plans and development proposals for provisions to accommodate safe movement of bicycle and pedestrian traffic, and facilities for securing non-motorized vehicles in all new development and redevelopment and shall address this as a consideration in development and site plan review.
- Policy MT-8A. Mass transit facilities shall incorporate provisions to enhance ease of transfer with other modes (e.g., park-ride garages and lots, bicycle lockers and racks, pedestrian walkways, taxi and jitney stands).
- Policy MT-8B. In the planning and design of rapid transit sites and stations and transit centers, high priority shall be given to providing a safe, attractive and comfortable environment for pedestrians and transit users; such amenities shall include weather protection, ample paved walkways, sidewalks, lighting, and landscaping, and ancillary uses that provide conveniences to transit patrons such as cafes, news stands and sundries sales.



- Policy ROS-3A. The County shall continue to improve motorized access to parks and recreation open spaces on roads and mass transit routes for autos, bicycles, and public transport through the joint efforts of the Park and Recreation Department, the Public Works Department, and the Transit Agency, as well as other concerned County agencies where deemed necessary by the Park and Recreation Department.
- Policy EDU-3E. When considering a site for possible use as an educational facility, the Miami- Dade County Public Schools should review the adequacy and proximity of other public facilities and services necessary to the site such as roadway access, transportation, fire flow and portable water, sanitary sewers, drainage, solid waste, police and fire services, and means by which to assure safe access to schools, including sidewalks, bicycle paths, turn lanes, and signalization.
- Policy EDU-4D. Coordinate with the Miami-Dade County Public Schools and municipalities to provide for pedestrian and traffic safety in the area of schools, and signalization for educational facilities.
- Objective HO-7. Bring about housing design and development alternatives that are aesthetically pleasing, encourage energy efficiency and enhance the overall health, safety and general welfare of County residents.
- Policy HO-7C. Promote programs designed to enhance neighborhood safety in order to help prevent possible housing deterioration by crime.

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## **APPENDICES**

- Appendix A: CDMP Amendment Application
- Appendix B: Data and Analysis

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# **APPENDIX A**

## **CDMP Amendment Application**

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**APPENDIX A**  
**APPLICATION NO. 4**

**APPLICATION REQUESTING AMENDMENT TO THE  
COMPREHENSIVE DEVELOPMENT MASTER PLAN**

**1. APPLICANT**

Miami-Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1210  
Miami, Florida 33128-1972  
(305) 375-2835

**2. APPLICANT'S REPRESENTATIVE**

Marc C. LaFerrier, AICP, Director  
Miami-Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1210  
Miami, Florida 33128-1972

By:  April 30, 2010

**3. DESCRIPTION OF REQUESTED CHANGES**

Add a new Optional COMMUNITY DESIGN AND HEALTH ELEMENT to the CDMP

**4. REASONS FOR CHANGE**

The purpose of this new element is to adopt urban design policies that will increase physical activity, improve pedestrian and bicycle safety, provide easy access to healthy foods and protect natural systems. Implementation of these policies through the zoning code, capital improvements and private development will decrease dependency on automobile use and improve public health.

**5. ADDITIONAL MATERIALS SUBMITTED**

None

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# **APPENDIX B**

## **Data and Analysis**

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## **APPENDIX B**

### **DATA AND ANALYSIS**

#### **Introduction**

Our neighborhoods affect our health and physical activity. While not the sole causes for health problems, urban sprawl and poorly designed communities have decreased physical activity, created safety problems, limited access to healthy foods and damaged the natural environment. Poorly designed communities and decreased physical activity has contributed to increased automobile dependency and use. Direct effects of increased automobile use include air pollution, traffic accidents, cyclist and pedestrian injuries and fatalities. Indirect effects are sedentary lifestyles and an expansion of the urban heat island effect. Health concerns related to weight problems and obesity, diabetes, hypertension and asthma are linked to our automobile dominated lifestyle.

#### **Miami-Dade County Concerns**

The following presents a discussion on the health impacts associated with decreased physical activities and a presentation of injury and fatality data related to the safety of pedestrians and cyclists, underscoring the issues raised above that are associated with increased automobile dependency and use.

##### Overweight and Obesity

Overweight and obesity are both labels for ranges of weight that are greater than what is generally considered healthy for a given height. The terms also identify ranges of weight that have been shown to increase the likelihood of certain diseases and other health problems.

For adults, overweight and obesity ranges are determined by using weight and height to calculate a number called the "body mass index" (BMI). BMI is used because, for most people, it correlates with their amount of body fat. An adult who has a BMI between 25 and 29.9 is considered overweight. An adult who has a BMI of 30 or higher is considered obese. There are certain factors that are factors for overweight and obesity: the caloric balance equation, the environment, and other factors such as genetics. Overweight and obesity result from an energy imbalance. This involves eating too many calories and not getting enough physical activity. Caloric balance is like a scale. To remain in balance and maintain your body weight, the calories consumed (from foods) must be balanced by the calories used (in normal body functions, daily activities, and exercise).

Table 1 reflects the percent of overweight and obese adults in the County and State of Florida (State) for 2007. The County's results are slightly higher in all categories. Table 2 analyzes the physical activity and nutrition of the County. County residents' level of activity is considerably lower compared to the State. Only 29.2 percent of the population meets the recommended physical activity level. Both of these conditions affect negatively the health of residents.

**Table 1**  
**Overweight and Obese Adults**

<b>Overweight &amp; Obesity (2007)</b>	<b>Miami-Dade County</b>	<b>State of Florida</b>
Adults who are obese	26.0 %	24.1 %
Adults who are overweight	38.9 %	38.0 %
Adults who are overweight or obese	64.9 %	62.1 %

**Table 2**  
**Physical Activity and Nutrition**

<b>Physical Activity &amp; Nutrition (2007)</b>	<b>Miami – Dade County</b>	<b>State of Florida</b>
Adults who are inactive at work	67.3 %	34.5%
Adults who are sedentary	35.4 %	25.4 %
Adults who consume at least five servings of fruits and vegetables a day	23.1 %	26.2 %
Adults who consumed three or more servings of vegetables per day	24.3 %	29.1 %
Adults who consumed two or more servings of fruit per day	37.9 %	36.2 %
Adults who meet moderate physical activity recommendations	29.2 %	34.6 %
Adults who meet vigorous physical activity recommendations	23.7 %	26.0 %

Sources: [http://www.floridacharts.com/charts/mapp\\_report.aspx](http://www.floridacharts.com/charts/mapp_report.aspx)  
<http://www.cdc.gov/obesity/causes/index.html>)

### Diabetes

Lifestyle changes for prevention research have shown that taking action to manage blood glucose in pre-diabetics can delay or prevent Type 2 diabetes from developing. Modest improvements in weight, a low fat, high fiber diet, and regular physical activity all help to control/prevent prediabetes and Type 2 diabetes. Environments that encourage physical activity and the consumption of healthy food help address this health concern. In Miami-Dade County, 35.4 percent of all adults reported no leisure time physical activity and 64.9% were overweight or obese (2007).

Diabetes is the fifth deadliest disease in the United States, and since 1987 the death rate due to diabetes has increased by 45 percent to 24.6 per 100,000. Death rates due to heart disease, stroke, and cancer have declined. Table 3 shows that age-adjusted mortality rates from diabetes in 2008 were highest in Miami-Dade County (23.5), greater than the State of Florida (20.6). A comparison of Miami-Dade deaths to the State average is provided in Table 3.

**Table 3**  
**Number of Deaths Caused by Diabetes**

	<b>Average Number of Deaths</b>			<b>3-Year Death Rate (per 100,000 persons)</b>		
	<b>2004-06</b>	<b>2005-06</b>	<b>2006-08</b>	<b>2004-06</b>	<b>2005-06</b>	<b>2006-08</b>
State of Florida	5,036	5,137	5,128	21.2	21.1	20.6
Miami-Dade	613	636	639	23.5	24.0	23.5

In Florida 8.7 percent of the population has been diagnosed with diabetes and 7.6 percent of County residents have been reported (in 2007). In Miami-Dade, 181,425 people have diabetes.

There were 2,847 adults admitted to a hospital for diabetes long-term complications (2008). The cost of these admissions was \$139 million for services rendered by hospitals. These services averaged \$48,947 per admission, excluding associated professional fees and personal convenience items. (Source: [http://www.healthcouncil.org/publications/Diabetes\\_Snapshot.pdf](http://www.healthcouncil.org/publications/Diabetes_Snapshot.pdf))

### Hypertension

Hypertension is considered a significant health risk factor. In Miami-Dade County 25.3 percent of all persons were diagnosed with hypertension in 2007, an increase of 1.7 percent since 2002, but lower than the state rate of 28.2 percent. Key components for preventing and treating hypertension are healthy lifestyles, ongoing medical care, and following the treatment plan prescribed by a doctor. Obesity is associated with a two to six-fold increase in risk of occurrence of hypertension. Weight loss is a foundation of any lifestyle modification effort designed to decrease blood pressure for the overweight and obese. Additional lifestyle changes that lower blood pressure include reduced sodium intake, moderation of alcohol intake, adequate potassium consumption (obtained from foods such as fresh fruits, vegetables, whole grain, fish and dairy products) and increased physical activity.

There are 73.6 million Americans age 20 and older with hypertension (or approximately one in three adults). Of these, 71.8 percent are aware they have it, 61.4 percent are under current treatment with only 35.1 percent managing it properly. It is estimated that about 25 percent of the US population age 20 and older has prehypertension. In the US, approximately 69 percent of people who have a first heart attack, 77 percent who have a first stroke and 74 percent who have chronic heart failure, have high blood pressure. It is also a risk factor for blindness and kidney disease.

In 2006 high blood pressure was listed as a primary or contributing cause of death for 319,000 Americans. Table 4 shows that the number and rate of deaths with hypertension as the primary cause in Miami-Dade County have generally been on the rise since 2006. The County rate for 2008 was the same as for the State.

**Table 4**  
**Number of Deaths Caused by Hypertension**

	Average Number of Deaths			Death Rate (per 100,000 persons)		
	2006	2007	2008	2006	2007	2008
State of Florida	1826	1712	1833	7.1	6.5	6.8
Miami-Dade	161	175	192	6.0	6.4	6.8

In 2008, 2,450 adults were admitted to a hospital with a principal diagnosis of hypertension and had no cardiac procedure performed during their stay. The undiscounted cost for services rendered by hospitals associated with these admissions totaled \$56,414,945; an average of \$23,026 for a single admission.

(Source: [http://www.healthcouncil.org/publications/Hypertension\\_Snapshot.pdf](http://www.healthcouncil.org/publications/Hypertension_Snapshot.pdf))

### Asthma

Asthma is a serious, sometimes life-threatening respiratory disease that affects the quality of life for millions of Americans. Although there is no cure for asthma yet, it can be controlled through medical treatment and management of environmental triggers. There are currently 23 million people in the US with asthma, nearly seven million of whom are under the age of 18.

In Florida, 6.2 percent of the adult population has reported having asthma (2007). In 2008, 4.6 percent of adults, 4.9 percent of middle school students, and 17.1 percent of high school students in Miami-Dade County have reported having asthma.

Asthma is one of the most common reasons for hospital admission and emergency room care. People with asthma experience well over 100 million days of restricted activity annually and the total annual costs of the disease are estimated at \$20 billion nationally. Asthma accounts for approximately 13 million lost school days every year and persists as the most common serious chronic disease in children deaths occur in the US each year.

As shown in Table 5, Miami-Dade County's death rate from asthma is slightly below that of the State.

**Table 5**  
**Number of Deaths Caused by Asthma**

	Average Number of Deaths			3-Year Death Rate (per 100,000 persons)		
	2004-06	2005-06	2006-08	2004-06	2005-06	2006-08
State of Florida	193	191	175	0.9	0.9	0.8
Miami-Dade	21	21	18	0.8	0.8	0.7

In Miami-Dade County the rate of adult asthma admissions per 100,000 adults rose in 2008 after a 7.7 percent fall in 2007 and remains above pre-2003 levels. 3,229 adults were admitted to a hospital with a principal diagnosis of asthma (2008). The cost of these admissions was \$90,898,051 for services rendered by hospitals. These services averaged \$28,150 per admission, excluding associated professional fees and personal convenience items.

Lifestyle changes for prevention research indicate that controlling or eliminating exposure to second and third-hand smoke, pet dander (from animals with fur or feathers), indoor mold, cockroach and other pests (parts, secretions and droppings), dust mites, combustion byproducts (smoke, car fumes, fuel-burning appliance fumes), strong odors (perfume, aerosols, sprays, talcum powder) and outdoor allergens/irritants (pollen, mold, extreme/changing weather) reduces the frequency and severity of asthma attacks. Also the monitoring of lung function for assessment and treatment, implementing environmental control measures to reduce triggers, putting in place comprehensive pharmacological therapy, and patient education result in effective asthma management.

In terms of air quality the topography and meteorological patterns of South Florida help remove harmful air emissions. The indicators reveal that the overall air quality in Miami-Dade falls within the "Good" range of the Environmental Protection Agency's (EPA) National Ambient Air Quality Standards over 80 percent of the days of the year. While this is true, the days when the air quality falls within the Moderate and Unhealthy for Sensitive Groups categories are of concern for the populations more sensitive to air pollution, such as the elderly and very young, and those suffering from respiratory illnesses and diseases.

(Source: <http://www.epa.gov/asthma/about.html>)

(Source: [http://www.healthcouncil.org/publications/Asthma\\_Snapshot.pdf](http://www.healthcouncil.org/publications/Asthma_Snapshot.pdf))

### Cyclist and Pedestrian Safety

The most recent available fatality and injury data (2008) from the Florida Department of Transportation (FDOT) indicates that other than pedestrian injuries, which the County ranks first in the State, the County ranks in the middle of the State for cyclist injuries and fatalities, and pedestrian fatalities. A comparison of the fatalities and injuries in Miami-Dade County to the state average is provided in Tables 6 and 7. Urban design improvements to buildings and communities will improve public safety for pedestrians and bicyclists. Design improvements will also reduce crime.

**Table 6**  
**Pedestrian Fatalities and Injuries**

	Pedestrian Fatalities in 2008		Pedestrian Injuries in 2008	
	Number	Per 100,000 persons	Number	Per 100,000 persons
State of Florida	504	2.68	7902	42.01
Miami-Dade	66	2.66	1472	59.42

Source: 2008 FDOT Crash Reports

**Table 7**  
**Pedestrian Fatalities and Injuries**

	Cyclist Fatalities in 2008		Cyclist Injuries in 2008	
	Number	Per 100,000 persons	Number	Per 100,000 persons
State of Florida	118	.63	4376	23.27
Miami-Dade	5	.20	454	18.33

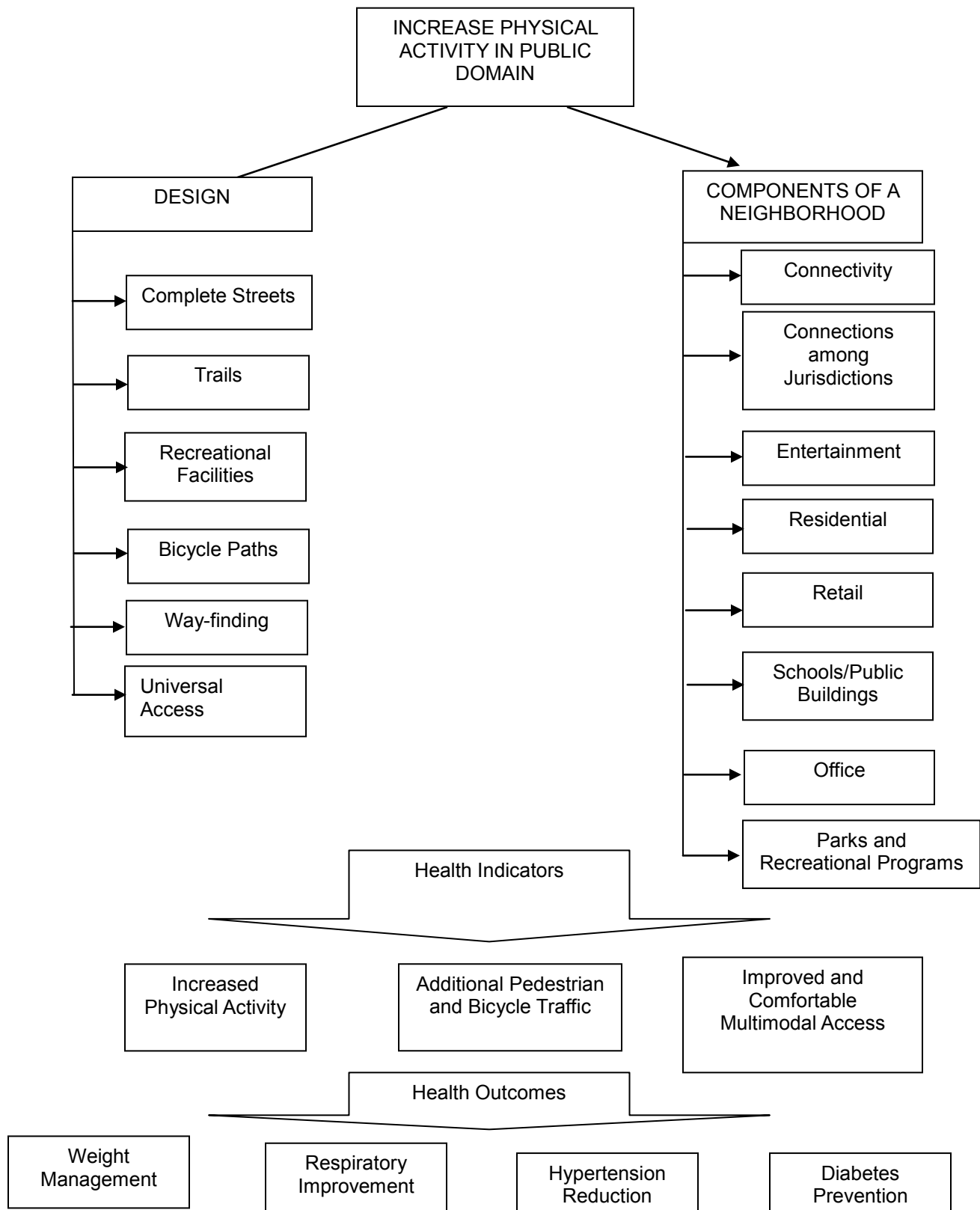
Source: 2008 FDOT Crash Reports

### **Linking Design and Land Use to Health Outcomes**

Community and neighborhood design can influence personal health, as mentioned earlier. Because of this influence, it is important to create communities that make it easy to engage in physical activity and to eat a healthy diet. In Miami-Dade County, we have the advantage of year round warm weather. This may contribute to better health, but in the summer and fall months heat can be a deterrent to some outside activities. Walkable communities can increase health by providing shady, aesthetic, and safe modes of transportation. The application of urban design standards to facilitate the development of mixed-use, pedestrian friendly development projects and public improvements could increase physical activity and help address the health issues described above.

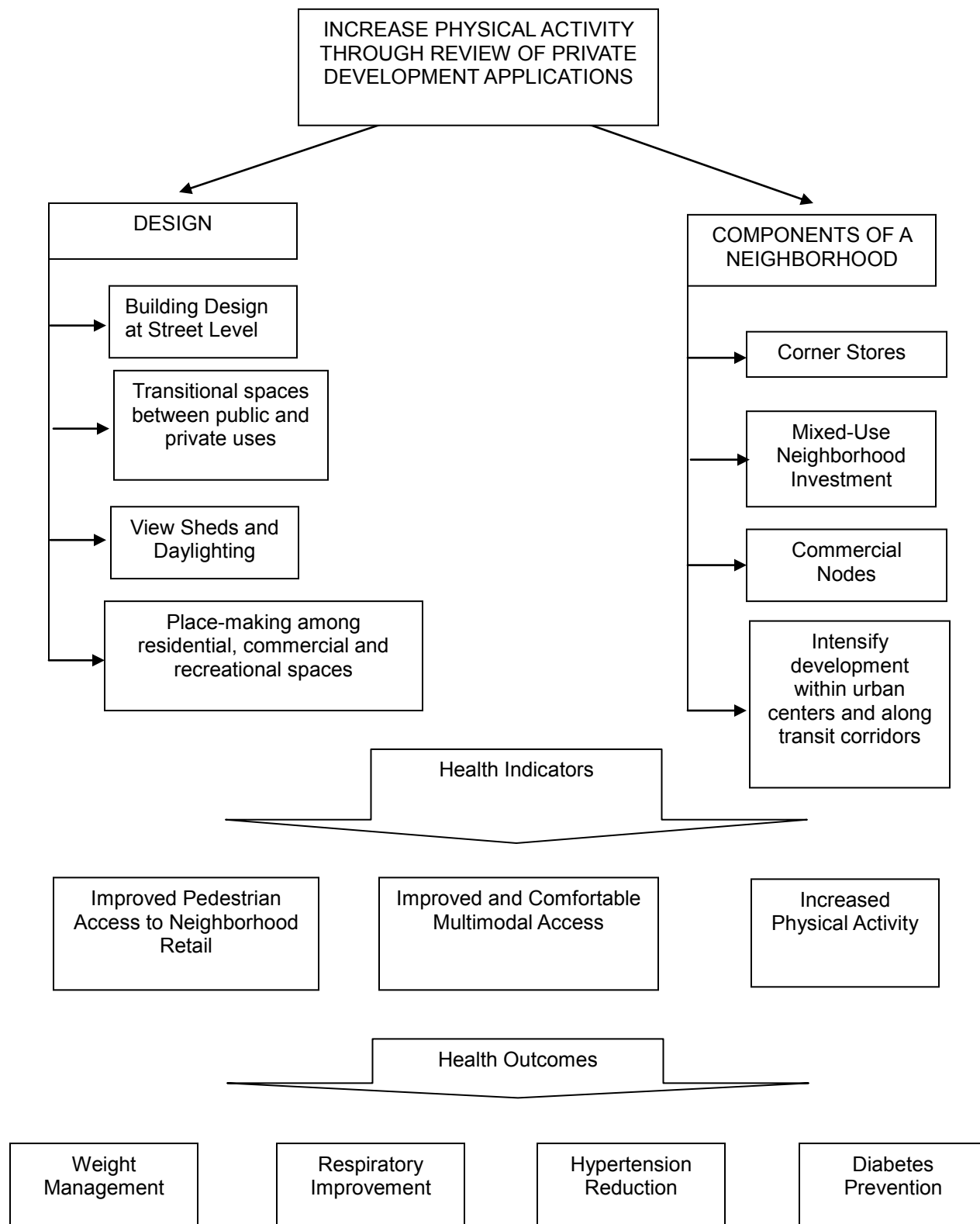
Two charts describing how design and land use planning for neighborhoods can impact health and the objective to which they relate are provided below.

**Objective CHD-1: Miami-Dade County shall apply design standards to the public domain to encourage physical activity.**





**Objective CHD-2: Miami-Dade County shall apply design standards to private development projects to encourage physical activity.**



## **Linking Design and Land Use to Safety Outcomes**

The physical design of rights of way and adjoining sites affects both accident and crime rates in communities. In urbanized counties, it is useful to devise and implement design approaches that encourage greater and continuous connection between residents and business owners to the streets that serve their facilities. Similarly, specific design methods within rights of way can enhance the safety of Miami Dade County residents and visitors while using various modes of travel.

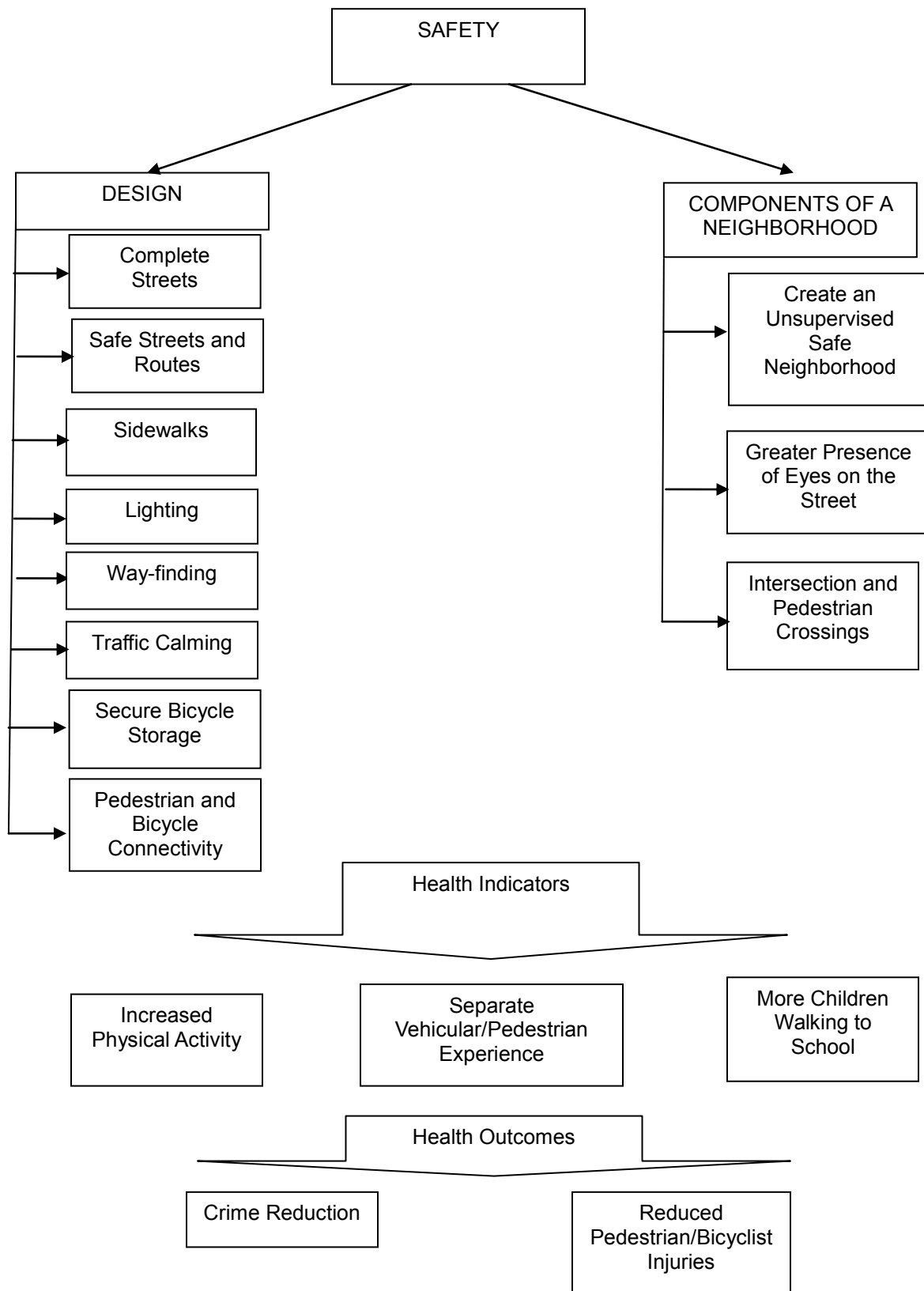
The number of access points along a County street to buildings, whether they fall under one or multiple development complexes has direct impact of how safely the street is perceived from the street into the complex and from the complex out to the street.

Similarly, design that accommodates multimodal travel with way-finding (adequate easily understood street signage), car-bike-pedestrian differentiation allow for better and safer multimodal travel and a reduction of accidents.

In the aggregate, regions with higher densities that provide well designed access to streets and multiple modes of travel also yield significantly lower incidents of vehicular accidents and vehicular-pedestrian accidents.

A chart describing how design and land use planning for neighborhoods can impact safety and the objective to which it relates are provided below.

**Objective CHD-3: Institute safety measures through urban design and material standards.**



## **Linking Design and Land Use to Food Systems Planning**

Improving the overall health of County residents requires a concerted effort to educate residents regarding the benefits of healthy foods and land use adjustments to make neighborhood healthy food stores more convenient. Additionally, enhancing the production and marketing of local healthy produce can also contribute to improving the health of County residents. Community design plays a role in accomplishing all of these tasks.

Ninety to 95 percent of Miami-Dade County's agricultural products are sold outside of the County. This means that we are choosing to purchase food that has traveled long distances. We can reduce our carbon emissions related to food supply significantly by purchasing from our local producers.

Urban community gardens and farms can also provide convenient access to healthy foods. They can promote safe and pleasant neighborhoods with active lifestyles encouraging outdoor exercise that counteract the physical passivity associated with the automobile oriented communities. The presence of vegetable gardens in inner-city neighborhoods is positively correlated with decreases in crime, trash dumping, juvenile delinquency, fires, violent deaths, and mental illness. Gardens link different sectors of a city, including youth, elders, and diverse race, ethnic, and socioeconomic groups.

Evidence shows that school-based garden programs have significant health benefits for youth. Where community gardens serve as non-traditional learning labs, youth become familiar with the fruits and vegetables critical to reducing obesity and chronic diseases. When incorporated as part of curricula, school garden programs teach a skill and a lifetime hobby that provides exercise, mental stimulation, and social interactions.

Urban gardens and farms improve air quality. On the local level, plant foliage reduces carbon dioxide, ozone concentrations (heavy, low-lying gas), and lowers urban mass temperatures. Growing and buying locally is fuel efficient, less polluting, and has a relevant and substantial impact on our health.

Urban gardens and farms also increase urban bio-diversity, by attracting beneficial soil microorganisms, insects, birds, reptiles, and animals. Urban food production improves urban and urban fringe soils. Rooted plants stabilize the ground and reduce soil erosion. When included as part of holistic urban gardening program, urban compost systems can transform significant amounts of a city's waste (organic waste from yards, parks, food establishments, etc.) for beneficial re-use.

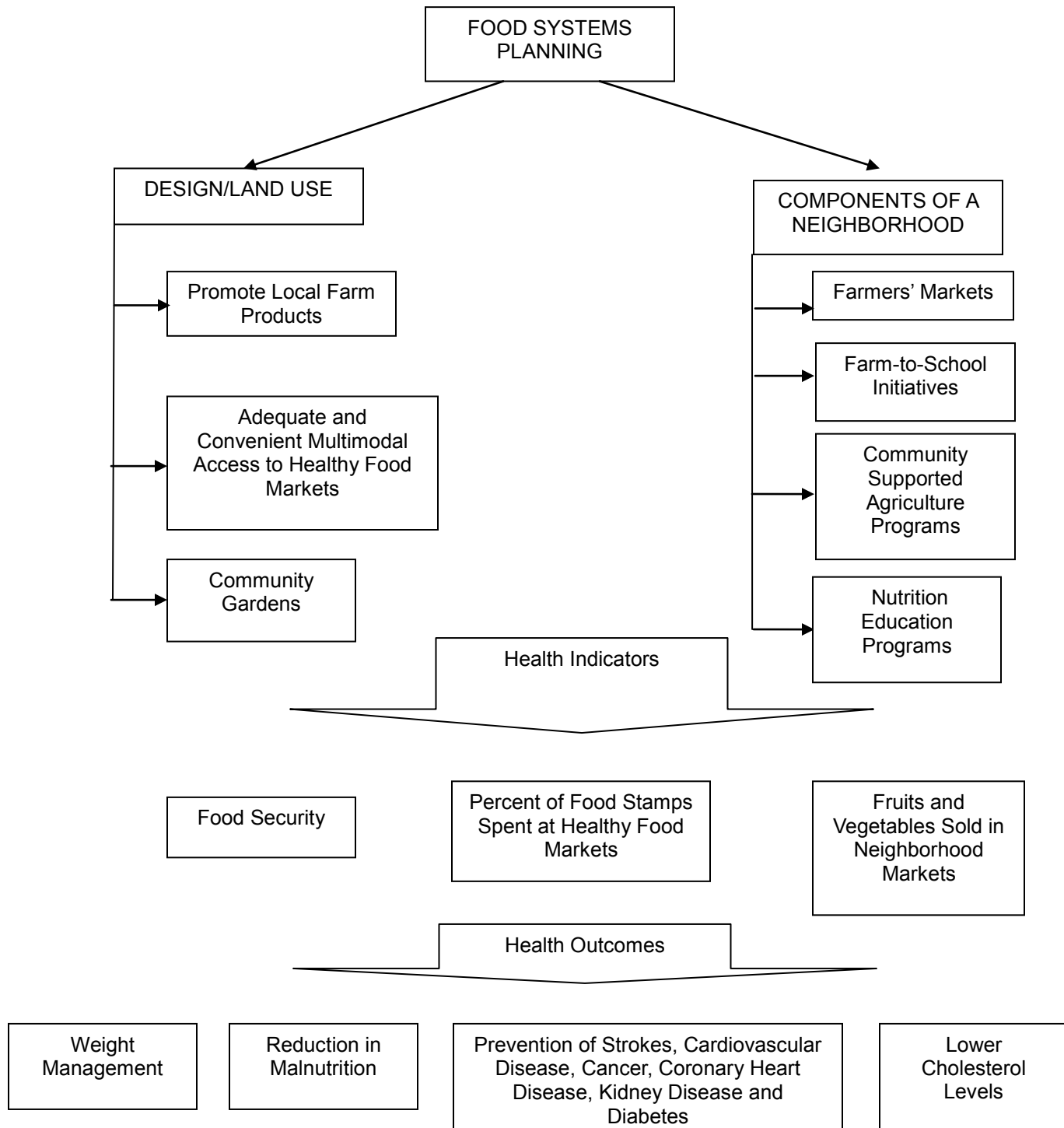
Educating residents about healthier eating choices improves community health. University of Florida Extension's nutrition education programs, which are federally funded, serve low-income adults and children on healthy food purchasing, preparation, and life styles. For every federal dollar spent some \$10.64 savings in long-term health costs and \$2.48 savings in food purchases are realized. These programs are restricted to food stamp eligible residents. Additional programs like this would improve health.

Both price and geographic proximity to grocery stores affects access to healthy and nutritious food. Low-income neighborhoods traditionally have fewer grocery stores and therefore less availability of produce. Data has not been collected at this point to evaluate whether this is an issue in our community. Indicators or considerations used by other communities include the distribution of grocery stores by census tract income; price of market basket in dollars by store

chain and store location; and quality of food available (e.g. nutrient density, freshness, organic) by store chain and location. Using data on grocery store locations and mass transit route and schedule information may be used to calculate travel times from homes to supermarkets to estimate the accessibility of supermarkets for households that rely on transit for shopping trips. The geographical occurrences and pricing of products sold at farmers' markets would be important to understand in this type of analysis. It would also be important to analyze pricing differences in markets in the different areas and neighborhoods of the County. Finally, another consideration would be how these prices compare to those of farmers markets and convenience stores which are generally regarded as more expensive and offering much less variety of healthy products to consumers, especially in terms of fresh produce and lean meat.

A chart describing how design and land use planning for neighborhoods can impact access to healthy foods and the objective to which it relates are provided below.

**Objective CHD-4: Promote local food production and improve access to healthy food products for all residents of Miami-Dade County.**

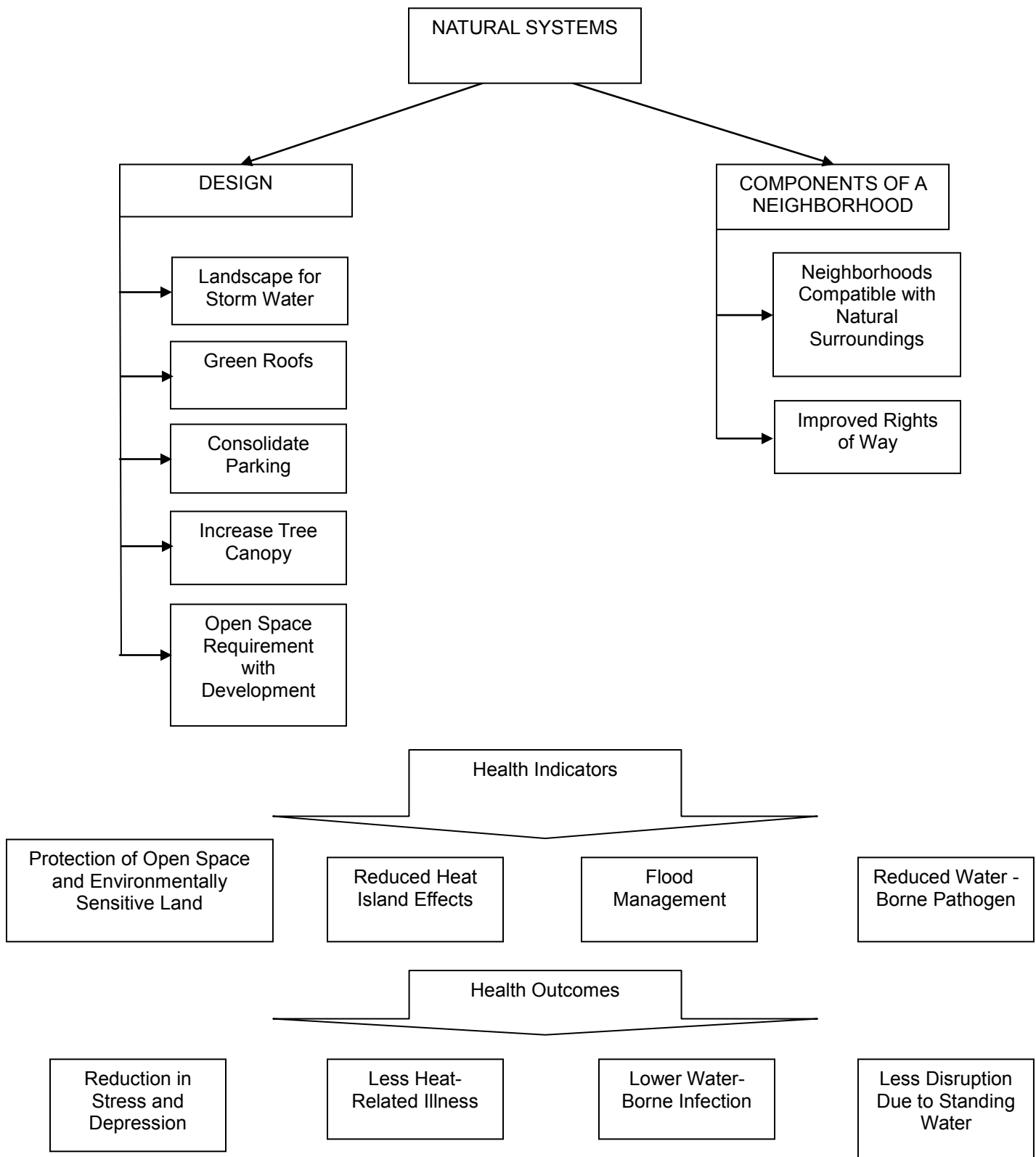


## **Linking Design and Land Use to Natural Systems**

The integration of natural systems in the design process for development projects will achieve several beneficial outcomes. In a region that has a unique natural environment, community design can conserve and enhance natural systems to reduce energy consumption, improve flood management and enhance air quality. Site design standards contribute to reduced and/or contained point and non-point pollution to maintain surface and groundwater quality. The environmental benefits resulting from improved design could improve mental and physical health.

A chart describing how design and land use planning for neighborhoods can impact natural systems and the objective to which it relates are provided below.

**Objective CHD-5: Enhance natural systems through performance criteria for capital improvements.**





# Application No. 5

## TEXT AMENDMENT

### APPLICATION SUMMARY

Applicant/Representative: Miami-Dade County Department of Planning and Zoning / Marc C. LaFerrier, AICP, Director, Miami-Dade County

Element(s) to be Amended: LAND USE ELEMENT

Requested Text Changes: Modify the text of Open Land Subarea 4 (East Everglades Residential Areas) in the Land Use Element of the Comprehensive Development Master Plan (CDMP), to allow agriculture production that is registered with the Florida Department of Agricultural and Consumer Services to implement Best Management Practices to ensure water quality standards are met (Total Maximum Daily Load criteria) within the hydrologic basin and limited raising of animals for non-commercial purposes.

Amendment Type: Standard Text Amendment

### RECOMMENDATIONS

Staff: **ADOPT WITH CHANGE AND TRANSMIT**  
(August 25, 2010)

Community Council: **NOT APPLICABLE**

Planning Advisory Board (PAB)  
acting as Local Planning Agency: **TO BE DETERMINED** (October 4, 2010)

Board of County Commissioners: **TO BE DETERMINED** (November 3, 2010)

Final Recommendation of PAB  
acting as Local Planning Agency: **TO BE DETERMINED** (2011)

Final Action of Board of  
County Commissioners: **TO BE DETERMINED** (2011)

Staff recommends **ADOPT WITH CHANGE AND TRANSMIT** the proposed text amendment for the following reasons:

**Conclusions and Principal Reasons for Recommendations:**

1. Open Land Subarea 4 is primarily located within “Management Area 1: Modified Environment” of Miami-Dade County’s East Everglades Area of Critical Environmental Concern. Management Area 1 is subject to the East Everglades Zoning Overlay Ordinance as established in Section 33B, Article II, of the Miami-Dade County Code. This proposed text amendment would allow consideration of land uses for private property that are more consistent with the land uses currently allowed by the County Code for Management Area 1.
2. Open Land Subarea 4 currently allows ‘seasonal agriculture’ as a use that may be considered for approval and the County’s East Everglades Resources Planning Project publication, entitled “Agricultural Use” (1978), indicates that this Subarea has had some agricultural uses for several decades. Land within this Subarea is zoned as GU (Interim), which allows for agricultural use, and AU (Agriculture). Although the text of the Comprehensive Development Master Plan (CDMP) currently restricts the type of allowable agriculture to row crops, container nurseries or other agricultural uses that are seasonal or “above ground” uses, additional agricultural uses may be appropriate for Open Land Subarea 4.
3. Miami-Dade County supports the agriculture industry and recognizes that high land cost, and competition for farmland for other uses, such as water resource management and residential subdivision development, has reduced the acreage available to farmers to produce winter crops and products that must be grown in a subtropical climate. This proposed CDMP amendment would offer farmers and other agriculturalists more flexibility in choosing the type of agriculture, or type of crop or product, that is best suited to conditions in Open Land Subarea 4.
4. Historical County documents indicate that part-time farmers have kept a small number of fowl, rabbits, pigs, or cows in this area, and residents in this area are interested in legalizing the keeping of these animals. However, the Department concurs with state water management and land planning experts that any concentration of animals, or commercial operations involving animals, would be likely to have a negative impact on surface and groundwater and therefore would not be appropriate for this sensitive area. For these reasons, only *limited raising of animals for non-commercial purposes* is recommended for this text amendment.
5. The principal reason for requiring Best Management Practices for all agriculture in Open Land Subarea 4 is to preserve the quality of surface and groundwater in the immediate area, and to maintain water quality in nearby ecosystems such as those in Everglades National Park and associated downstream water bodies including the Southern Glades and Manatee Bay. Since surface water and groundwater in the Subarea interact freely, land use activities directly impact groundwater.

The South Florida Water Management District (SFWMD) has expressed preliminary concerns regarding impacts to water quality from proposed additional year-round agricultural uses in Subarea 4. To address these concerns, the Department is proposing a requirement that all agriculture production in Subarea 4 be registered with the Florida

Department of Agricultural and Consumer Services for implementation of Best Management Practices to ensure water quality standards are met (Total Maximum Daily Load criteria) within the hydrologic basin and area canals. Any animals allowed for the Subarea would be kept for non-commercial rural grazing or as pets. The SFWMD monitors the quality of water discharging from the Subarea through ongoing sampling of canal water. The SFWMD has indicated that only through the use of performance-based BMPs would additional agricultural uses be potentially compatible with Open Land Subarea 4, given water quality considerations.

6. Agricultural land uses would be inappropriate for the western and northwestern portions of the Subarea that are now under public ownership. The SFWMD has an existing permit application with the County to commence wetland restoration activities and subsequently inundate these properties. Part of the SFWMD project will be to scrape soils contaminated by agricultural production. These public land areas should be redesignated to Environmental Protection or Environmentally Protected Park, consistent with the SFWMD's planned wetland restoration activities, through a future CDMP Land Use Plan map amendment.
7. The County recommends updates to Section 33B of the Miami-Dade County Code to ensure consistency with this proposed CDMP text amendment.

### Requested Text Amendment:

Staff proposes to change the text of Open Land Subarea 4 (East Everglades Residential Areas) in the Land Use Element of the CDMP to remove the term “seasonal agriculture” and allow agriculture production and limited raising of livestock. The proposed text amendment (See Appendix A) would read as follows as amended since the applications report was published on June 5, 2010:

**Open Land Subarea 4 (East Everglades Residential Areas).** This subarea is bounded on the north, west and southwest by Everglades National Park, on the east by Levee 31N, and on the south by SW 168 Street. Uses which may be considered for approval in this area are ~~seasonal<sup>1</sup> agriculture production<sup>1</sup> that is registered with the Florida Department of Agricultural and Consumer Services to implement Best Management Practices to ensure water quality standards are met (Total Maximum Daily Load criteria) within the hydrologic basin, and limited raising of livestock for noncommercial purposes nurseries, tree farms.~~ Other uses which may be considered for approval in this area are and rural residences at a density of 1 dwelling unit per 40 acres, or 1 dwelling unit per 20 acres if ancillary to an established agricultural operation, or 1 dwelling unit per 5 acres, after such time as drainage facilities become available to protect this area from a one-in-ten-year flood event in keeping with the adopted East Everglades zoning overlay regulation (Section 33B, Code of Miami-Dade County) and compatible and necessary utility facilities. Uses that could compromise groundwater quality shall not occur in this area.

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~~1 Miami-Dade County shall formulate and adopt a zoning overlay or other land development regulations specific for land designated Open Land Subarea 4 (East Everglades Residential Areas) on the CDMP Land Use Plan map to specifically address the type of agriculture production uses, and the limited raising of livestock uses that are permitted; that also considers that there is no flood protection provided in this subarea.~~

<sup>1</sup> ~~The Department of Planning and Zoning recommends amendments to Miami-Dade County Code Section 33B Areas of Critical Environmental Concern, Article II. East Everglades, and land development regulations applicable to land designated Open Land Subarea 4 (East Everglades Residential Areas) to specifically address the type of agriculture production uses that may be allowed, given enrollment and participation in Florida Department of Agricultural and Consumer Services Best Management Practices programs, and to specifically define the allowed limited raising of livestock uses.~~

## STAFF ANALYSIS

### Description of Open Land Subarea 4 and Existing Land Uses

Open Land Subarea 4 (East Everglades Residential Areas) is generally west of the Kendall Tamiami Executive Airport, and bounded on the north, west and southwest by Everglades National Park, on the east by the L-31N Canal, and on the south by SW 168 Street. The boundaries of the Subarea are depicted, along with other information, on the map entitled, "Application No. 5", located at the end of this report. The Subarea is approximately 5,635 acres in size, or 8.8 square miles (thus the common name for this area, "the 8 and ½ Square Mile").<sup>2</sup> Existing land uses in Subarea 4 include various types of agriculture, undeveloped land, residential use, and transportation, communication, and utility uses. Agriculture types include tropical fruit crops, tree farms, and vegetable crops such as okra. Some agricultural activities are year-round uses and are not consistent with the adopted CDMP and do not have required County permits. Animals observed in the area include horses, goats, fowl, and some hogs; the maintenance and raising of animals for commercial purposes is not permitted in the Subarea. The Subarea also includes residential structures, and some structures that support agricultural uses. According to Department of Environmental Resources Management staff, some of these structures, or building densities, have not been permitted by the County.

Approximately 41% of Subarea 4 is owned by government agencies; including the SFWMD, the United States Army Corps of Engineers, Everglades National Park, and a 306 acre parcel of land that belongs to the Federal Aviation Administration (FAA). This FAA-owned property is a radar and antenna site that supports aviation activities throughout South Florida.

Open Land Subarea 4 is generally a low-lying area with elevations between 5.5 and 8.5 feet above mean sea level (msl) and contains prairie wetlands. According to Federal Emergency Management Agency (FEMA) records, approximately the eastern half (diagonal line from the northeast to the southwest) of Subarea 4 is in FEMA flood zone X (moderate to low flood risk area, usually the area between the limits of the 100-year and 500-year floods) and the western portion of the Subarea is the higher risk flood zone AH (Areas with a 1% annual chance of shallow flooding, usually in the form of a pond, with an average depth ranging from 1 to 3 feet).<sup>3</sup>

Numerous properties within Subarea 4 have jurisdictional wetlands and must have a Class IV Wetlands Permit from the Miami-Dade County Department of Environmental Protection (DERM) for development activity; this permit addresses allowed land uses, and any proposed grading or filling. The Class IV permit also requires full onsite retention of stormwater because "cut and fill criteria" are applicable to this hydrologic basin.

### CDMP Land Use and Zoning for Open Land Subarea 4

In the CDMP, the Open Land future land use category is divided into five subareas. Each of these subareas is low-lying and contains wetlands; however, each subarea's allowed uses vary due to the characteristics within each subarea. As stated in the CDMP, the Open Land category contain lands that are "intended to serve one or more of the following functions: production such as agriculture, limestone extraction or other resource based activity such as development of

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<sup>2</sup> A group of residents has formed and is currently working to establish the name, "Las Palmas", for an eastern portion of the Subarea.

<sup>3</sup> <http://msc.fema.gov/webapp/wcs/stores/servlet/info?storeId=10001&catalogId=10001&langId=-1&content=floodZones&title=FEMA%20Flood%20Zone%20Designations>.

potable water supplies; rural residential development at a maximum density indicated for the specific Open Land subarea, but no greater than one unit per five acres; recreation; compatible utility and public facilities . . . and conservation, maintenance or enhancement of environmental character.” The CDMP specifically states that “Because the Open Land areas primarily consist of wetlands, all proposed uses will be reviewed on a case-by case basis.” Uses which may be considered for approval in Subarea 4 are as follows:

“ . . . seasonal agriculture and rural residences at a density of 1 dwelling unit per 40 acres, or 1 dwelling unit per 20 acres if ancillary to an established agricultural operation, or 1 dwelling unit per 5 acres, after such time as drainage facilities become available to protect this area from a one-in-ten-year flood event in keeping with the adopted East Everglades zoning overlay regulation (Section 33B, Code of Miami-Dade County) and compatible and necessary utility facilities. Uses that could compromise groundwater shall not occur in this area.”

#### Seasonal Agriculture

The CDMP provides for ‘seasonal agriculture’ as an allowed land use within Open Land designated areas as noted above. A footnote on CDMP page I-63 defines seasonal agriculture as:

“...agricultural activities which occur during the months November through April on land at natural elevation, or which occur during the months May through October on land that is, or has been bedded or filled to an elevation at or above Miami-Dade County flood criteria, and given that no additional off-site drainage will occur.”

The language for seasonal agriculture was added to the CDMP in 1988 because: 1) Open Land designated areas are low-lying and wet for significant periods throughout the year causing a significant risk to year round crops; 2) farming practices in various flood-prone areas put pressure on management agencies to draw down water levels near prime conservation areas; and, 3) requests for additional fill on properties could alter the wetlands and drainage patterns of the area.

The Department has, since 1988, interpreted the term seasonal agriculture to apply only to row crops, since that is what has typically been grown between May through October and November through April. These limited growing seasons allow the grower to grade his land into a system of rows and furrows in the wet season and/or farm at grade during the dry season. Recently, the agricultural uses allowed under “Seasonal Agriculture” have been expanded by the Department of Planning and Zoning to include:

- 1) in-ground agricultural activities at natural grade without additional fill for crops that have no more than an annual growing season, and
- 2) above-ground agricultural activities, such as container nurseries, which can be removed or raised during wet periods.

This interpretation has allowed some limited additional agricultural uses to growers in the Open Land areas.

#### East Everglades Zoning Overlay

The underlying zoning districts in the Open Land Subarea 4 are GU (Interim), which allows for agricultural use, and AU (Agriculture). These underlying zoning districts are superseded by the East Everglades Zoning Overlay (Chapter 33B of the Miami-Dade Code). The 1981 ordinances

that established the East Everglades as an Area of Critical Concern were preceded by the East Everglades Resources Planning Project, and several years of planning, studies, and publications jointly created by a steering committee and representatives from Miami-Dade County, the SFWMD, the Florida Department of Environmental Regulation, and Everglades National Park. The reasons for critical designation of this area are recorded as Sections 33B-13(c)(1) through (6) of the County Code and are summarized below:

1. Recharge of Biscayne Aquifer: the area is upgradient from major public and private drinking water wells that supply water to Miami-Dade and Monroe County. Maintaining high groundwater levels in this area helps to provide a freshwater head which prevents the intrusion of salt water into the base of the Biscayne Aquifer.
2. Surface water supply from the area to Everglades National Park (ENP) is critical for the ecosystems there. ENP ecosystems in turn support the nursery zones of Florida Bay and the Ten Thousand Islands and is essential to the maintenance of many fisheries of the Florida coast, the Gulf of Mexico and the Atlantic Ocean.
3. Flood storage capacity- the area of critical concern can retain large quantities of surface water during the wet season and then slowly release it providing needed fresh water to downgradient ecosystems and the aquifer.
4. Water quality maintenance- this area filters water for Everglades ecosystems and the aquifer. The Code also states, "Introduction of excess nutrients and other chemicals through development can quickly overload the natural assimilative capacity of the system."
5. Protection of economic vitality of Miami-Dade County- the County recognizes the cost of flood protection in wetlands and the additional costs of impacting critical water supplies.
6. Vegetation, wildlife, and other natural features- this area has rare geology that is able to support threatened and endangered plant and animal species.

As noted in the Principal Reasons section above, Open Land Subarea 4 is located within "Management Area 1: Modified Environment" of the East Everglades Overlay Ordinance. Management Area 1 conditionally allows residential uses and the following uses are permitted: agricultural use, or agricultural support housing or detached dwelling units at densities of no greater than one (1) unit per forty acres. The definition of "agricultural use" includes horticulture, row crops, groves, and nurseries, and excludes noxious exotic species. Permitted uses for Management Area 1 do not include the maintenance and raising of animals for commercial purposes.

According to County Code Section 33B-26 (Environmental performance standards), there are certain restrictions impacting agricultural uses in Management Area 1. The use of fill is limited to one half acre per development. Any shallow ditching allowed for agriculture shall not serve as a continuous conduit for transporting water to the extent that it has a significant adverse effect on the natural hydrologic regimen of the immediate vicinity of the parcel proposed for development. Where permitted, roads must be designed with bridges and culverts such that they will not interrupt or divert natural sheet flow. The Code also provides standards for allowed agricultural activities, including management to prevent the establishment of exotic species, required onsite retention of stormwater, and no restriction of surface water sheet flow due to elevated planting beds or structures.

## **Support for the Agriculture Industry and Land for Agriculture in Miami-Dade County**

Policies in the CDMP and provisions in the County Code support the Miami-Dade agriculture industry. CDMP policies and programs recognize that high land cost, and competition for farmland for other uses, such as water resource management and residential subdivision development, has reduced the acreage available to farmers for producing winter crops and products that must be grown in a subtropical climate. The loss of agricultural land in the East Everglades area could jeopardize the economic diversity and vitality of the Miami-Dade County economy (Section 33B-13(d)(9) of the County Code).

Records show that Open Land Subarea 4 historically had residential uses and diverse types of row crops and small groves on small parcels of land (1-10 acres) within a two mile radius of the L-31N and C-111 canals. Crops included tomato, boniato, calabaza pumpkin, squash, malanga, yucca or sweet cassava and cane. Ornamental nurseries and tropical fruit groves were also present, including banana, avocado, citrus and mango. Historical reports associated with the East Everglades Resources Planning Project also indicate that farmers have kept a small number of fowl, rabbits, pigs, or cows in and around Open Land Subarea 4. Some residents in this area are working to legalize the keeping of these animals. However, the Department agrees with state water management and land planning experts that a concentration of animals, or commercial operations involving animals, would have a negative impact on water resources and downstream ecosystems and therefore would not be appropriate for this sensitive area. The raising of livestock can involve activities such as concentrated feed areas, manure and pasture management, and erosion control that can impact water resources and downstream ecosystems. For these reasons, only limited raising of animals for non-commercial purposes is recommended.

### **SFWMD 8.5 Square Mile Mitigation Project Phases I and II**

The SFWMD plans to begin a mitigation project to restore the natural flow of surface water to 383 acres of land within the western portion of Open Land Subarea 4. If there are no delays, construction for Phases 1 and 2 of the mitigation project is proposed to commence in October/November 2010 and be completed by July/August 2011. Basically, the mitigation project area will be either seasonally or perpetually inundated by the restored surface water flow. The SFWMD explained that Phase III of this project will involve an additional 90 acres and will extend eastward along the northern boundary of this Subarea.

A soil and groundwater assessment was completed by SFWMD contractors to identify pollutants that could potentially adversely affect the future ecological environment ("future aquatic community") including plant and animal species within the project area. Agrichemicals (organochlorine pesticides) and arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, copper, zinc, and Total Organic Carbon concentrations were studied. The SFWMD contractors identified "disturbed lands" or formerly cultivated areas including agricultural uses such as tropical plant nurseries/groves, and equipment maintenance/storage areas, and solid waste areas that contain exotic invasive plants and some contaminated soils.

As a result of this study, the restoration project will involve the removal of exotic vegetation and scraping of soil (removal of soil to the depth of limerock). The SFWMD will be managing some soils scraped from this area to minimize aquatic species' exposure to levels of contaminants, including agrichemicals, that exceed one or more critical environmental protection thresholds.



This mitigation area is separated from adjacent privately owned property within Open Land Subarea 4 by an earthen berm or levee called the L-357W. The SFWMD will begin restoration work to remove agricultural chemicals from soils on the west side of the berm in the near future. Since Subarea 4 is prone to flooding and surface and groundwater interact directly in this area, the Department recommends that the use of agricultural chemicals on the east side of the levee be kept to a minimum. Onsite retention of stormwater will help ensure that agrichemicals are filtered and retained onsite and will not travel west and south into the mitigation area, Everglades National Park, Manatee Bay, or affect the groundwater of the Biscayne Aquifer. This type of site development would also be more consistent with existing text for Open Land Subarea 4 which states, "Uses that could compromise groundwater shall not occur in this area."

The area within the SFWMD 8.5 Square Mile Mitigation Project Boundary should be considered for redesignation on the adopted 2015 and 2025 Land Use Plan map of the CDMP from Open Land to Environmental Protection or Environmentally Protected Parks. This recommended redesignation would be consistent with and support the intent of the SFWMD 8.5 Square Mile Mitigation Project. Additionally, the recommended redesignation of the mitigation project lands would preclude land uses in the project area that could contaminate or further contaminate the area's soils.

## **Environmental and Flood Risk Concerns**

### Environmental Concern

The Department of Planning and Zoning recommends the following revisions to this application to address water quality concerns:

- Require implementation of best management practices for agriculture, pursuant to the criteria of the Florida Department of Agricultural and Consumer Services (DACS). Surface water management requirements should ensure water quality standards (Total Maximum Daily Load criteria) are met.

The Department encourages farmers and other agriculturalists to choose crop types and farming techniques that control and minimize the use of fertilizer and pesticide and conserve water. Section 33B-13(d)(1) of the East Everglades Overlay, states that pesticides, fungicides, and fertilizers used in agricultural operations may pose water quality risks. The Code explains that excess nutrient loads, pesticides, and other pollutants can reduce biodiversity and productivity in nursery grounds for Gulf of Mexico and Atlantic fisheries, bird species, and Everglades fauna.

Adopting Best Management Practices (BMP) for container nurseries, vegetable crops, and other agricultural activities will assist farmers in protecting area water bodies (i.e. wetlands, canals, bays) and will help keep nutrient loads below anticipated new federal standards (Total Maximum Daily Load) for water bodies. The DACS Office of Agricultural Water Policy's BMP manuals address pesticide management, water conservation practices including erosion and sediment management, nutrient and irrigation management, water resources management and seasonal farming. Container nursery BMPs additionally address nursery layout, waste management, container substrate and planting practices.

The Miami-Dade Department of Environmental Resource Management (DERM) has stated that they do not oppose the proposed text amendment, "... provided that an appropriate zoning overlay or zoning rules are developed that account for the unique environmental and flooding characteristic of the area." Revising the East Everglades Zoning Overlay (Section 33B of the

County Code) can implement the provisions of the text amendment. Appropriate revisions to the County Code will limit the number of animals allowed on property in the Subarea and thereby minimize additional nutrient releases. Class IV wetland permit requirements and other Chapter 24 County Code criteria for total onsite stormwater retention should also help ensure that surface water management on agricultural properties, regardless of the crop types, will not compromise groundwater quality.

#### Flooding

As noted above, Open Land Subarea 4 is subject to seasonal flood conditions. The Code recognizes that this area is subject to seasonal flooding (Section 33B-24) and establishes that there is no flood protection plan for this area. Instead, flood mitigation is occurring to offset anticipated groundwater level increases that will result from nearby Comprehensive Everglades Restoration Plan projects and related wetland restoration work. The C-357 canal is not designed to provide flood protection, it is designed to collect anticipated additional groundwater and route it to reservoirs south of this area. Similarly, the L-357W Levee is designed to mitigate for planned increases to surface water sheet flow and minimize flooding to the east, but does not provide flood protection.

The County Code also establishes intent to protect sheet flow of surface water in the East Everglades Zoning Overlay area. Environmental performance standards, Section 33B-26, shall continue to dictate fill and ditching limitations for sites within this Subarea. In general, a maximum of one-half acre of fill will be allowed per development but no site fill shall impede the rate of volume of surface water flow or create significant backwater conditions, regardless of the land use.

Based upon the above analysis, the Staff recommends to **ADOPT WITH CHANGE and TRANSMIT** the proposed text application.

#### **Consistency Review with CDMP Goals, Objectives, Policies, Concepts and Guidelines**

The following CDMP goals, objectives, policies, concepts and guidelines will be enhanced or maintained if the proposed text change is approved:

- |                 |  |
|-----------------|--|
| Policy LU-3B.   | All significant natural resources and systems shall be protected from incompatible land use including Biscayne Bay, future coastal and inland wetlands, future potable water-supply wellfield areas identified in the Land Use Element or in adopted wellfield protection plans, and forested portions of Environmentally Sensitive Natural Forest Communities as identified in the Natural Forest Inventory, as may be amended from time to time. |
| Policy LU-8C.   | Through its planning, capital improvements, cooperative extension, economic development, regulatory and intergovernmental coordination activities, Miami-Dade County shall continue to protect and promote agriculture as a viable economic use of land in Miami-Dade County.  |
| Objective CON-6 | Soils and mineral resources in Miami-Dade County shall be conserved and appropriately utilized in keeping with their intrinsic values.   |

Land Use Element, Open Land section, page I-61: Because Open Land areas primarily consist of wetlands, all proposed uses will be reviewed on a case-by-case basis. No particular use, other than rural residential use at specified densities is definitively allowed.

Land Use Element, Open Land Subarea 4 section, page I-64: Uses that compromise groundwater quality shall not occur in this area.

Land Use Element, Concepts section, page I-69: #14. Encourage agriculture as a viable economic use of suitable lands.

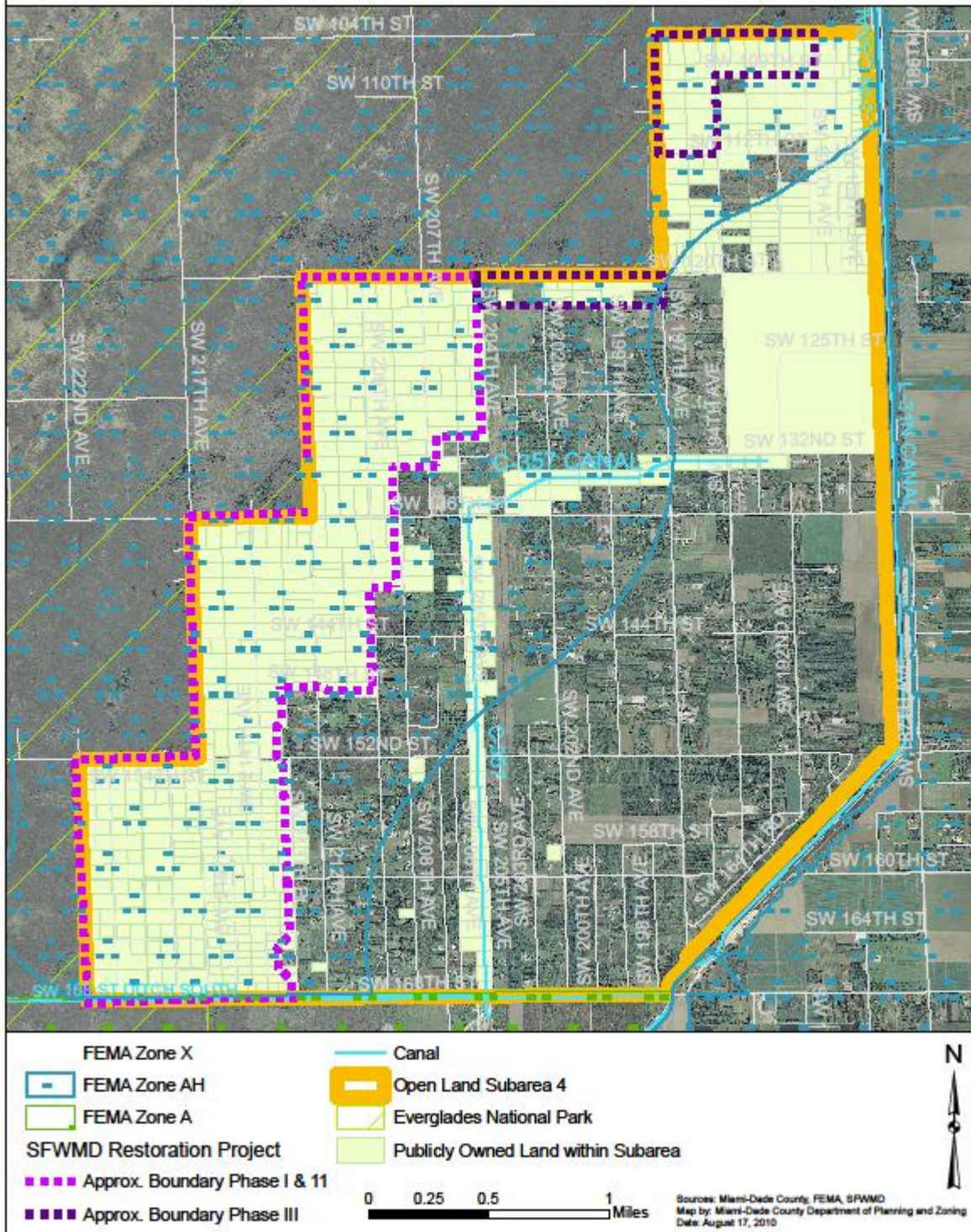
Policy CON-4A. The aquifer-recharge values of wetland areas shall be maintained and, where feasible, enhanced or restored. There shall be no further positive drainage of wetlands to accommodate urban development or agricultural uses.

The following CDMP goals, objective, policies concepts and guidelines will be impeded if the proposed text change is approved:

Policy LU-3B and text on page I-69 of the Land Use Element that addresses compromises to groundwater, listed above, could be impeded if agricultural production increases nutrient loads in Open Land Subarea 4.

Policy CON-4A, listed above, could be impeded if agricultural production leads to significant filling or ditching and interruption of surface water sheet flow in the East Everglades area.

# APPLICATION NO. 5



# **APPENDIX A**

## **CDMP Amendment Application**

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## APPLICATION NO. 5

### APPLICATION REQUESTING AMENDMENT TO THE COMPREHENSIVE DEVELOPMENT MASTER PLAN

#### 1. APPLICANT

Miami- Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1110  
Miami, Florida 33128-1972  
(305) 375-2840

#### 2. APPLICANT'S REPRESENTATIVE

Marc C. LaFerrier, AICP, Director  
Miami-Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1110  
Miami, Florida 33128-1972

By:  April 30, 2010

#### 3. DESCRIPTION OF REQUESTED CHANGES

A. Change the text on Page I-63 of the Land Use Element as follows:

**Open Land Subarea 4 (East Everglades Residential Areas).** This subarea is bounded on the north, west and southwest by Everglades National Park, on the east by Levee 31N, and on the south by SW 168 Street. Uses which may be considered for approval in this area are seasonal agriculture production<sup>2</sup>, limited raising of livestock, nurseries, tree farms and rural residences at a density of 1 dwelling unit per 40 acres, or 1 dwelling unit per 20 acres if ancillary to an established agricultural operation, or 1 dwelling unit per 5 acres, after such time as drainage facilities become available to protect this area from a one-in-ten-year flood event in keeping with the adopted East Everglades zoning overlay regulation (Section 33B, Code of Miami-Dade County) and compatible and necessary utility facilities. Uses that could compromise groundwater quality shall not occur in this area.

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<sup>1</sup> Miami-Dade County shall formulate and adopt a zoning overlay or other land development regulations specific for land designated Open Land Subarea 4 (East Everglades Residential Areas) on the CDMP Land Use Plan map to specifically address the type of agriculture production uses, and the limited raising of livestock uses that are permitted; that also considers that there is no flood protection provided in this subarea.

#### **4. REASON FOR CHANGE**

The text of Land Use Element currently allows 'seasonal agriculture' in Open Land Subarea 4 (East Everglades Residential Areas). The Department of Planning and Zoning (DP&Z), the Department of Environmental Resource Management (DERM) and the Miami-Dade County Agricultural Practices Advisory Board (APAB) have been working to update the seasonal agriculture language in Open Land Subareas.'

During the October 2009 CDMP Amendment Cycle, a text amendment application was privately filed seeking to include nurseries and tree farms in Open Land Subarea 1 (Snake-Biscayne Canal Basin). The DP&Z recommended the addition of tree farms and nurseries for Open Land Subarea 1. Staff also recommended deleting the reference to 'seasonal agriculture' from the text and recommended adding 'agricultural production and limited raising of livestock' to the list of allowed uses within the subarea. The subject text amendment seeks to allow the same agricultural uses in Open Land Subarea 4.

#### **5. ADDITIONAL MATERIAL SUBMITTED**

None



# Application No. 6

## Countywide

### APPLICATION SUMMARY

Applicant/Representative:	Miami-Dade County Department of Planning and Zoning 111 NW 1 Street, Suite 1110 Miami, Florida 33128-1972
Location:	Countywide
Requested Text Changes:	Amend the Land Use Element text to allow bed and breakfast lodgings in all residential land use categories
Amendment Type:	Standard Text Amendment

### RECOMMENDATIONS

Staff:	<b>ADOPT AND TRANSMIT</b> (August 25, 2010)
Community Councils:	<b>NOT APPLICABLE</b>
Planning Advisory Board (PAB) acting as Local Planning Agency:	<b>TO BE DETERMINED</b> (October 4, 2010)
Board of County Commissioners:	<b>TO BE DETERMINED</b> (November 3, 2010)
Final Recommendation of PAB acting as Local Planning Agency:	<b>TO BE DETERMINED</b>
Final Action of Board of County Commissioners:	<b>TO BE DETERMINED</b>

Staff recommends: **ADOPT AND TRANSMIT** the proposed amendment based on the Staff conclusions summarized below:

- Hotels and Motels are permitted in the residential communities land use categories of the adopted 2015 and 2025 Land Use Plan (LUP) map of the Comprehensive Development Master Plan (CDMP), except in the Estate and Low Density residential categories. Factors considered for the exclusion of this use in the Estate and Low Density categories in Miami-Dade County include a potential increase in traffic, noise and other negative impacts associated with the introduction of a commercial type of use in low intensity residential areas. Further, the CDMP allows hotel and motel uses only where the parcel (in the land use category) fronts on a Major roadway identified by the LUP map. Although the location criteria indicated in the CDMP text and LUP map is

appropriate for large and mid-sized lodging businesses, it does not consider the positive economic potential of low impact generating businesses such as bed and breakfasts in the less intense suburban residential areas.

A trend in many communities around the State of Florida and in the US has been to carefully plan for the location of bed and breakfast lodgings according to the requested building scale and intensity of use. Single-family residences and their adaptive re-use to bed and breakfasts in low density residential neighborhoods are successful when their room occupancies and operations are restricted so as to not overwhelm or negatively impact the low scale community they inhabit. Restrictions and site plan review standards adopted in zoning codes can guarantee compatibility and the reduction of any adverse impacts of bed and breakfasts on adjoining and/or adjacent properties. This text amendment would allow the establishment of bed and breakfast lodgings with conditions in all residential land use categories in unincorporated Miami-Dade County, further restricted by standards and compatibility criteria to be adopted in the Miami-Dade County zoning code (Chapter 33).

2. Research conducted by the Department of Planning and Zoning indicates that there are approximately 10 bed and breakfast lodgings in operation within the City of Miami and the City of Miami Beach combined. Of these lodgings only one (1) is operating out of a building (built 1991) that is less than 50-years old. The remaining lodgings operate out of buildings that were constructed in 1956 or earlier. Consistent with this general trend of utilizing older buildings, the proposed amendment would further the preservation of Miami-Dade's heritage and architecture by supporting the restoration of residential parcels containing historically significant single-family residences, buildings and/or structures through their adaptive re-use as bed and breakfast lodgings. In many communities throughout the country, many homes deemed historically significant by a local municipal historic preservation board or through recordation on the National Register of Historic Places have been successfully re-adapted as bed and breakfast establishments. These facilities serve visitors who desire accommodations in a unique historically important environment where personal attention from its caretakers is provided. The person(s) staying at these lodgings have an opportunity to learn about the history of the structure, an area's unique architecture and urban structure, and a community's cultural conventions and traditions. The proposed text amendment would encourage the restoration of many historically endangered structures in Miami-Dade County while providing educational opportunities for the transient visitor and residents living in the communities these significant buildings inhabit.
3. Currently, there are a total of 121 designated historic sites, 7 historic districts, and 43 archaeological sites and zones (total 171 combined) throughout the County for which the County has preservation jurisdiction. Of these historic and archaeological resources, 9 are on the National Register of Historic Places. Analysis of the County's historic resources indicates that there are 26 historic sites (residences) that are within areas designated for residential use on the adopted 2015 and 2025 Land Use Plan (LUP) map of the CDMP. In addition, there are three historic districts that are residential in nature and comprise of numerous single-family residences or a mix of single-family residences and vacant lots. The amendment would provide an opportunity for these historic resources to be utilized as income generating properties while maintaining/enhancing and showcasing their historical value. It would also create an economic incentive for more properties to be designated as historic sites. (See Appendix B: Miami-Dade County Historic Sites and Districts in Residentially Designated Areas.)

4. Allowing opportunities for bed and breakfast lodgings in residential communities would help to support the local economy by encouraging people interested in historically significant architecture or tourists in general to stay and enjoy the neighborhoods where these structures are located while visiting other local attractions in or proximate to the neighborhood. The amendment, if approved, would help foster the creation of a small business opportunity in all residential communities, not limited to parcels where businesses and high intensive residential and lodging establishments are currently permitted.

### **Requested Text Amendment**

The following is the proposed text change for the Land Use Element of the CDMP.

1. **Revise the Residential Communities text in the Land Use Element to add bed and breakfast criteria as follows:**

**Bed and Breakfast.** To encourage the preservation of Miami-Dade County's unique architecture and history, the establishment of bed and breakfast lodgings and ancillary activities may be allowed in all residentially designated parcels on the LUP map that contain a historically significant residential building, structure, site or a combination of these elements which have been recognized or approved by the Miami-Dade County Historic Preservation Board. Parcels shall be of a size that can properly accommodate landscaping and buffering elements to mitigate potential adverse visual or aural impacts such use may generate on adjacent or adjoining parcels. Any building expansions made to the historic structure and/or on site used for among other things, additional guest rooms, amenities, and facility improvements, shall be made architecturally compatible with the primary dwelling and/or structure and have a height and scale that is not out of character with residences in the surrounding neighborhood. In reviewing zoning requests and site plans for bed and breakfasts in residential communities, the maximum allowable building intensity and scale of the proposed facility shall be determined by the consideration of criteria such as parking, building placement, size of building expansions, greenbelts and open space used to buffer adjacent uses, accessibility to the facility, and hours of operation. Limitations to such lodgings may be necessary to protect the residential character of existing and proposed residential developments from noise or traffic. When calculating gross density in terms of the number of guest bedrooms used for bed and breakfast lodging, the number of guest bedrooms shall be equal to 2/3 of the maximum number of dwelling units allowed by the land use category; except for Estate and Low Density land use categories where a maximum of six (6) guest bedrooms shall be allowed per lodging.

### **Consistency Review with CDMP Goals, Objectives, Policies, Concepts and Guidelines**

Approval of the proposed Application No. 6 would further the implantation of the following CDMP objectives and policies:

- Policy LU-4D. Uses which are supportive but potentially incompatible shall be permitted on sites within functional neighborhoods, communities or districts only where

proper design solutions can and will be used to integrate the compatible and complementary elements and buffer any potentially incompatible elements.

- Objective LU-6. Miami-Dade County shall protect, preserve, ensure the proper management, and promote public awareness of historical, architectural, and archaeologically significant sites and districts in Miami-Dade County, and shall continue to seek the addition of new listings to the National Register, and increase the number of locally designated historical and archeological sites, districts and zones.
- Policy LU-6A. Miami-Dade County shall continue to identify, seek appropriate designations, and protect properties of historic, architectural and archaeological significance.
- Policy LU-6B. Miami-Dade County shall place increased emphasis on districts, thematic groups and multiple resource listings with local as well as National Register historic sites.
- Policy LU-6C. Miami-Dade County shall seek financial resources to develop, and promote implementation of management plans for the preservation, protection and adaptive re-use of historic and archaeological resources on County property.
- Policy LU-6F. Miami-Dade County shall seek to develop technical, legal and financial incentive programs to encourage private sector participation in the preservation and protection of historical and archaeological resources.
- Policy LU-9D. Miami-Dade County shall continue to investigate, maintain and enhance methods, standards and regulatory approaches which facilitate sound, compatible mixing of uses in projects and communities.
- Objective LU-11. Miami-Dade County shall take specific measures to promote redevelopment of dilapidated or abandoned buildings and the renovation, rehabilitation or adaptive reuse of existing structures.
- Policy ECO-7A. Miami-Dade County's strategy for meeting countywide employment needs for the next several years should be to emphasize its strengths in international commerce, health services, the visitor industry, and aviation-related activities, and endeavor to expand in the areas of biomedical, film and entertainment, financial services, information technology and telecommunications, while simultaneously promoting the creation and development of small and medium-sized, labor intensive enterprises geared to the socio-economic needs and opportunities of specific neighborhoods and locations meant to serve a diversity of markets.
- Objective HO-5. Reduce the number of substandard housing units in the County by encouraging the rehabilitation or conservation of the existing housing stock, including historic structures, and provide that an increased number of extremely low, very low, low and moderate-income, and workforce units comes from housing rehabilitation and adaptive re-use of non-residential structures.

## **APPENDICES**

- Appendix A: CDMP Amendment Application
- Appendix B: Exhibit of Miami-Dade County Historic Sites and Districts in Residentially Designated Areas

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# **APPENDIX A**

## **Application Report**

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## APPLICATION NO. 6

### APPLICATION REQUESTING AMENDMENT TO THE COMPREHENSIVE DEVELOPMENT MASTER PLAN

#### 1. APPLICANT

Miami-Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1210  
Miami, Florida 33128-1972  
(305) 375-2835

#### 2. APPLICANT'S REPRESENTATIVE

Marc C. LaFerrier, AICP, Director  
Miami-Dade County Department of Planning and Zoning  
111 NW 1 Street, Suite 1210  
Miami, Florida 33128-1972

By:  August 25, 2010

#### 3. DESCRIPTION OF REQUESTED CHANGES

It is recommended that the Land Use Element text be amended to allow bed and breakfast lodgings in all residential land use categories. The following proposed text should be added on Page I-38 after the subsection entitled "**Thematic Resource District (TRD).**"

**Bed and Breakfast.** To encourage the preservation of Miami-Dade County's unique architecture and history, the establishment of bed and breakfast lodgings and ancillary activities may be allowed in all residentially designated parcels on the LUP map that contain a historically significant residential building, structure, site or a combination of these elements which have been recognized or approved by the Miami-Dade County Historic Preservation Board. Parcels shall be of a size that can properly accommodate landscaping and buffering elements to mitigate potential adverse visual or aural impacts such use may generate on adjacent or adjoining parcels. Any building expansions made to the historic structure and/or on site used for among other things, additional guest rooms, amenities, and facility improvements, shall be made architecturally compatible with the primary dwelling and/or structure and have a height and scale that is not out of character with residences in the surrounding neighborhood. In reviewing zoning requests and site plans for bed and breakfasts in residential communities, the maximum allowable building intensity and scale of the proposed facility shall be determined by the consideration of criteria such as parking, building placement, size of building expansions, greenbelts and open space used to buffer adjacent uses, accessibility to the facility, and hours of operation. Limitations to such lodgings may be necessary to protect the residential character of existing and proposed residential developments from noise or traffic. When calculating gross density in terms of the number of guest bedrooms used

for bed and breakfast lodging, the number of guest bedrooms shall be equal to 2/3 of the maximum number of dwelling units allowed by the land use category; except for Estate and Low Density land use categories where a maximum of six (6) guest bedrooms shall be allowed per lodging.

#### **4. REASONS FOR CHANGE**

Allowing opportunities for bed and breakfast lodgings in all residential land use categories would help to support the local economy by encouraging people interested in historically significant architecture or tourists in general to stay and enjoy the neighborhoods where these structures are located while visiting other local attractions in or proximate to the neighborhood. A trend in many communities around the State of Florida and in the US has been to carefully plan for the location of bed and breakfast lodgings according to the requested building scale and intensity of use. Single-family residences and their adaptive re-use to bed and breakfasts in low density residential neighborhoods are successful when their room occupancies and operations are restricted so as to not overwhelm or negatively impact the low scale community they inhabit.

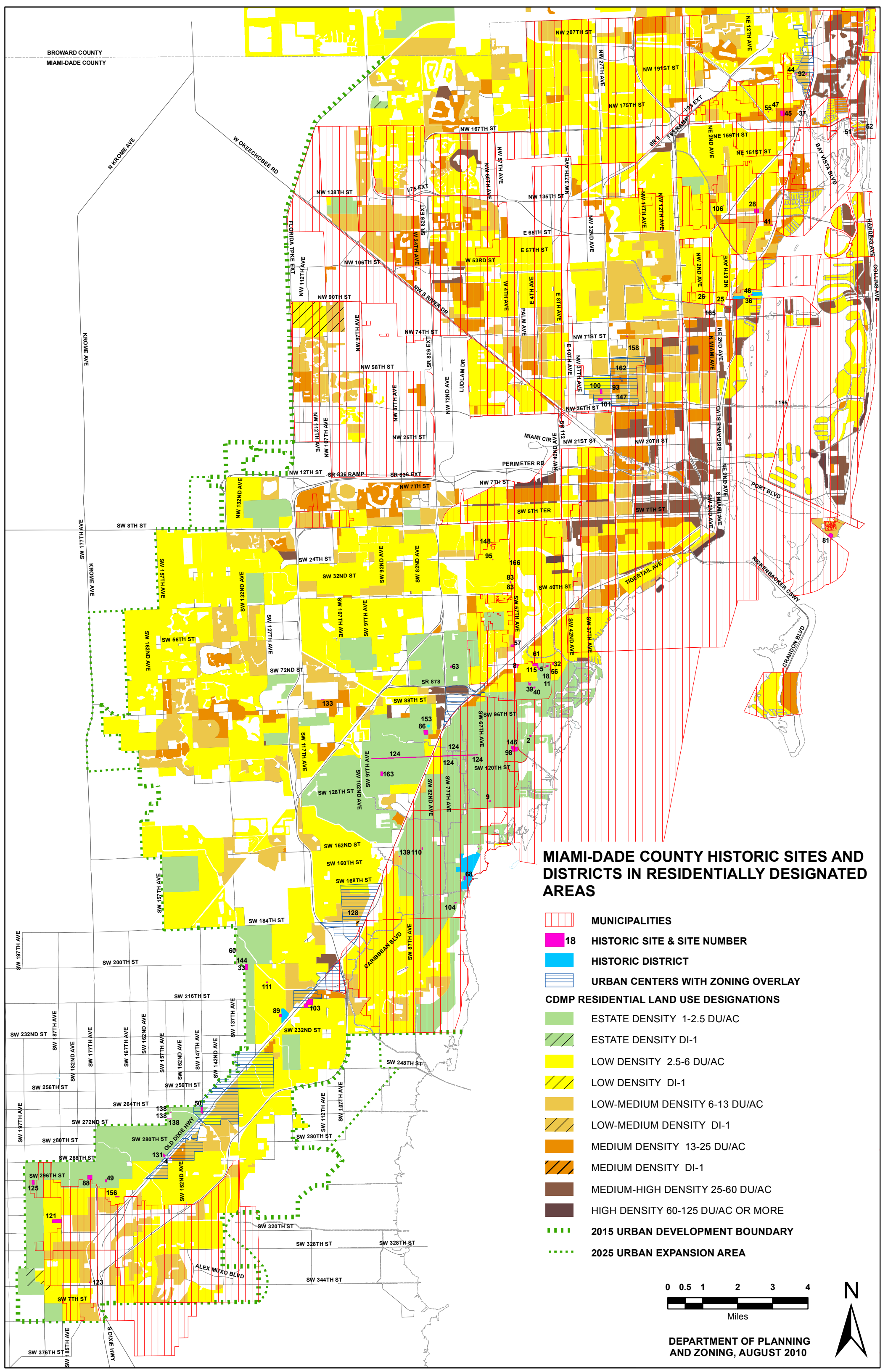
#### **5. ADDITIONAL MATERIALS SUBMITTED**

None

## **APPENDIX B**

### **Exhibit of Miami-Dade County Historic Sites and Districts in Residentially Designated Areas**

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