



**ANNUAL UPDATE & INVENTORY REPORT  
ON  
PUBLIC FACILITIES**

For

January 25, 2006, Collier County Board of County Commissioners Workshop

**2005 AUIR**

Prepared by:  
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Community Development & Environmental Services Division  
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## EXECUTIVE SUMMARY

### **Presentation to the Collier County Board of County Commissioners (BCC) of the 2005 Annual Update and Inventory Report (AUIR) on Public Facilities as provided for in Chapter 6.02.02 of the Collier County Land Development Code.**

**OBJECTIVE:** Request that the BCC review the 2005 Annual Update and Inventory Report (AUIR) on public facilities and consider recommendation from the Collier County Planning Commission (CCPC) on projects and associated funding sources for inclusion in the Schedule of Capital Improvements of the Capital Improvement Element during the FY06 annual update and amendment, and the FY07 proposed Annual Budget. The BCC's action will require formal adoption of the AUIR. *This AUIR, unlike previous AUIR projects, identifies capital needs for both new facilities to serve projected population growth, as well as for replacements of public facilities that will no longer be adequate in the 5-year AUIR time period as the useful life of those public facilities will be exceeded.*

**BACKGROUND:** Chapter 163, Part II, Florida Statutes requires the County to adopt certain Land Development Regulations (LDR's) to implement its Growth Management Plan adopted on January 10, 1989. Section 6.02.00 of the LDC requires the County to, "Provide that public facilities and services meet or exceed the standards established in the CIE required by Section 163.3177 and are available when needed for the development..." This Section of Chapter 163, Part II, Florida Statutes is commonly known as the concurrency requirement. Accordingly, on March 21, 1990, the Board adopted the Collier County Adequate Public Facilities Ordinance No. 90-24. This Ordinance was subsequently codified in Division 3.15 (new Chapter 6.02.02) of the Land Development Code (LDC).

Chapter 6.02.02 of the LDC established a management and monitoring program for public facilities, which provides for an annual determination of Level of Service Standard (LOSS) concurrency for Category "A" facilities and identification of additional facilities needs. Category "A" facilities are roads, solid waste, drainage canals and structures, parks and recreation, potable water, and sewer collection and treatment. The AUIR also provides analysis and recommendations on Category "B" facilities for which the County has adopted LOSS and collects impact fees. This year's AUIR contains additional Category "B" facilities for Law Enforcement as impact fees were adopted for Law Enforcement in the last calendar year. Chapter 6.02.02 of the Land Development Code requires the preparation of an AUIR on Public Facilities for presentation to the Board of County Commissioners.

The findings of the AUIR form the basis for the preparation of the Annual Update and Amendment to the Capital Improvement Element and Schedule of Capital Improvements, proposed projects to be included in the next annual budget, the determination of any Area of Significant Influence (ASI) and the review of the issuance of development orders (excluding roads) during the next year. It should be noted that there is no statutory requirement for Category "B" facilities to be included in the CIE. The AUIR provides an update to the ledger baseline for the real-time Transportation Concurrency Management System database.

Under the provisions of Chapter 6.02.02 of the LDC, the BCC's options in response to the needs identified in the AUIR include, but are not limited to, the following:

1. Establishment of Areas of Significant Influence (ASI) surrounding deficient road segments which are not in a TCMA or TCEA.
2. Public Facility project additions to the financially feasible Schedule of Capital Improvements in the Capital Improvements Element. Road projects must be in the first or second year of the next adopted Schedule of Capital Improvements in order to be factored

as available capacity in the real-time Transportation Concurrency Management System database.

3. Deferral of development order issuance for development not vested by statute in areas affected by deficient Category “A” public facilities pending.
  - a. Modification of Level of Service Standards (LOSS) via Growth Management Plan Amendments.
  - b. Subsequent direction to Staff to include the necessary Public Facility projects in a future Annual CIE Update and Amendment to be adopted by the Board.
  - c. Future approval of new or increased revenue sources for needed Public Facility projects, by the Board of County Commissioners, the State Legislature or the County voters.
  - d. Developer constructed improvements guaranteed by an enforceable development agreement.

**GROWTH MANAGEMENT IMPACT:** The preparation and presentation of the AUIR to the Board and CCPC meets the requirements of Chapter 6.02.02 of the Land Development Code for an annual determination of the status of public facilities. Board direction to include the projects identified in the AUIR in a financially feasible FY06 Annual CIE Update and Amendment will establish and maintain concurrency for Category “A” public facilities, except roads, for the next twelve (12) months. Road projects needed to remedy LOS deficiencies must be in the first or second year of the Schedule of Capital Improvements.

**IMPACT OF SB 360 UPON FUTURE GROWTH MANAGEMENT:** The following are some of the key highlights of SB 360 which provides and mandates a better link between land use planning, the capital improvements element (CIE) and local government budgeting with respect to:

#### CIE/Financial Feasibility

- CIE amendments adopted after July 1, 2005, must demonstrate financial feasibility, which means committed revenues (ad valorem taxes, bonds, state and federal funds, tax revenues, impact fees, and developer contributions) for the years 1-3 of the CIE and planned revenues (future grants, planned new sources of revenues such as taxes approved through referendum) for years 4 and beyond. Additionally, on December 1, 2007, Collier County will have to provide a financially feasible CIE to the Department of Community Affairs. Any subsequent changes to the CIE each following December will have to be justified with a substantive rationale. **Thus, the AUIR will have to be a financially feasible document as well.**
- CIE amendments which delay a scheduled project beyond years 1-3 can only be done after a public hearing is held. An ordinance to accomplish this without a public hearing is not permitted.

#### Land Use Planning

- Schools
  1. Requires local governments to adopt a school concurrency by December 1, 2008, to comply with Section 163.3177 (12), F.S. *The local government can adopt the school's required 5-year plan by referencing it and stating that the CIE is consistent with the school's CIE;*
  2. Requires land use map changes that increase residential densities to assess impacts on schools; and

3. All local governments must amend their intergovernmental coordination element consistent with Sections 163.3177 (6) (h) 1 and 2, F.S.
- Water
    1. Requires 20-year planning period for region; and
    2. Identification of traditional and alternative water supply development projects (i.e. saltwater and brackish water, surface water capture during wet weather, and new storage, reclaimed water, storm water for consumptive use, etc.); and
    3. Conservation element, including a 10-year assessment of needs and sources.
  - Transportation
    1. Must include MPO improvements if relied upon to ensure concurrency and financial feasibility; and
    2. Transportation facilities must be in place or under construction within 3 years after issuance of building permit and element must be adopted no later than December 1, 2007; and
    3. Must be evaluated in the Evaluation and Appraisal Report (EAR); and
    4. Must consult and coordinate with FDOT to mitigate impacts to the Strategic Intermodal System; and
    5. Must meet new requirements by July 1, 2006 or at EAR plan update, whichever is later; and
    6. Proportionate share mitigation, based upon failing concurrency, may be used in certain instances, as provided by law, but shall be applied as a credit against impact fees where used to address some improvement (DOT to develop model ordinance by December 1, 2005 and local governments must adopt ordinance and include in transportation concurrency management system by December 1, 2006.

**FISCAL IMPACT:** The following public facilities are projected not to have impact fees or other identified revenue sources sufficient to maintain statutorily mandated financial feasibility of the CIE and thus these public facilities will require supplemental revenue sources:

- County Recreation Facilities and Parks
- County Jail
- Library
- Emergency Medical Services
- Government Buildings

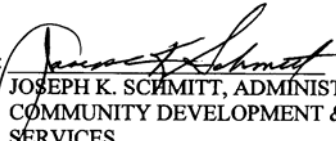
Revenues are required to fund the “Category A” CIE projects proposed in the 2005 AUIR for the FY06-10 planning period to maintain statutorily mandated financial feasibility of the CIE and must be made available by the Board of County Commissioners or fall within the Board’s statutory General Fund taxing authority. Current and Proposed revenues needed to fund public facility construction/expansion for the FY06-10 CIE planning period are set forth in each respective capital facilities section of the 2005 AUIR. Project expenditures in excess of estimated impact fee, gas tax, and user fee revenues receipts and funded bonds, are reflected as being augmented by General Fund Revenues in the body of this document or with no identified source of revenue. “General Fund Revenues” is defined as existing sales tax revenues and other state shared revenues, or ad valorem allocations at the discretion of the BCC. Where funding sources are not identified, the BCC will make a policy decision to either dedicate a funding source or in the alternative reduce the existing level of service. Either alternative will result in a financially feasible AUIR and CIE. An explanation of the current Collier County policy on impact fee updates and indexing is attached which explains the fiscal viability of Collier County impact fees related to capital improvements attributed to new growth.

**RECOMMENDATION:** That the Collier County Board of County Commissioners take the following action:

1. Find upon analysis, review, actions taken and directions given, based on the 2005 AUIR that adequate Roads, Drainage Canals and Structures, Potable Water, Sewer Treatment and Collection, Solid Waste, and Parks and Recreation facilities will be available, as defined by the Collier County Concurrency Management System, as implemented by Chapter 6.02.02 of the LDC, to support development order issuance until presentation of the 2006 AUIR.

2. Accept and adopt the attached document as the 2005 Annual Update and Inventory Report on Public Facilities based upon analysis, review, and directives given to staff during the January 25 and February 6 special meeting.

PREPARED BY:  Date: 2-10-06  
RANDALL COHEN, AICP, DIRECTOR  
COMPREHENSIVE PLANNING DEPARTMENT

APPROVED BY:  Date: 2/11/06  
JOSEPH K. SCHMITT, ADMINISTRATOR  
COMMUNITY DEVELOPMENT & ENVIRONMENTAL  
SERVICES

# Memorandum



**To:** Randall Cohen, AICP, Interim Director  
Comprehensive Planning Department

**From:** Amy Patterson, Impact Fee/Economic Development Manager

**Date:** December 1, 2005

**Subject:** Collier County Impact Fees

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Pursuant to your request, the purpose of the memorandum is to outline the current Collier County policy on impact fee updates and indexing.

Each of Collier County's impact fees is on a schedule to be reviewed and updated at least every three years. During the formal update of the fee each component of the calculation is reviewed to ensure accuracy, validity and consistency with applicable case law(s). Such a review also includes the review and update of all relevant data that is incorporated to develop the study methodology.

In the mid-years between the formal updates several of the impact fees are "indexed" based on an adopted formula using a combination of national data sets (i.e. the Engineering News, Record, the Consumer Price Index, etc.) and when appropriate, local information is also used related to land costs. The indexing of the impact fee provides for impact fee rates to remain more consistent with the demands of growth in the years between the required three year formal update studies and will help to avoid large impact fee increases related to the three-year cycle. Indexing formulas are in place for Water and Sewer, Government Buildings, Law Enforcement, Parks, Roads, Correctional Facilities, and Library Impact Fees and are being developed for EMS, Fire and School Impact Fees. While the indexing formulas provide a conservative rate by which the fee can be increased on an annual basis, it in no way is designed to replace the formal study process which captures all aspects of the changes that have occurred over the three-year period.

When impact Fees rates are developed there is a maximum legal limit established for the fee, which represents the largest amount that can be charged within the confines of the law. Outside legal counsel and consultants, with expertise in the development of legally defensible impact fees, have been relied upon in the establishment of the maximum legal limits. In the

past, in some instances, Collier County has adopted impact fees at less than the maximum legal limit, which then required a portion of the infrastructure costs related to growth to be funded by other revenue sources. Current Board of County Commissioner's policy is for new impact fees rates to be adopted and implemented at 100%. However, it must be emphasized that an impact fee study takes a retrospective view on cost, meaning that all actual costs may be incorporated into a study while anticipated costs, increases, etc, are not. Therefore, upon adoption of an impact fee study all increases in costs subsequent to the adoption will be captured in part by the indexing the following year and in whole in the next formal update. In areas of extremely high growth and escalating prices, it is likely that impact fee cost components (e.g. land, construction costs, etc.) can become outdated very quickly, thereby possibly requiring a full update of the fee sooner than three years.

In conclusion, Collier County has been very proactive in regard to keeping its impact fee program current, but acknowledges that escalating costs may generate the need for more frequent updates as well as temporary offsets of supplemental revenue.

If you have any questions or require any additional information related to this matter, please let me know.

Thank you.

## MEMORANDUM

**TO:** Collier County Board of County Commissioners

**FROM:** Randy Cohen, AICP, Comprehensive Planning Department Director

**SUBJ:** Planning Commission Recommended Changes to the 2005 AUIR

**DATE:** January 20, 2006

The Collier County Planning Commission (CCPC) conducted a special meeting on January 13, 2005 pertaining to the 2005 AUIR. The meeting was continued to January 19, 2005 to consider items that warranted further explanation and to address sections of the AUIR which were not considered during the January 13<sup>th</sup> meeting. During both meetings the CCPC provided section by section recommendations for BCC consideration. What follows is a synopsis of these recommendations. Please note that the staff has not changed its substantive recommendations pertaining to the necessity of identified capital improvements/infrastructure in FY06-10 and the associated expenditure of funds for the capital improvements/infrastructure. Thus, there is a conflict with the CCPC recommendations in many areas of the AUIR. In addition, where applicable, the CCPC recommendations have been noted explicitly in the corresponding sections of the AUIR.

### CATEGORY "A" FACILITIES

#### **1. COUNTY ROADS**

The Planning Commission recommended approval of the County Roads section with the following changes and recommendations:

- Page 5 – Add a footnote that bonds and carry forward revenue (\$102,439,000 and \$195,576,600) are combined on page 12 and shown as “Carry Forward”
- Page 5 – Add a footnote next to “general fund revenue” that an estimated \$26,114,315 of this number is derived from interest accrued on funds in revenue accounts available for transportation purposes.
- Page 9 - Revise construction completion years to reflect a more conservative completion date.

In addition, although not part of the 2005 AUIR, the CCPC recommended that the 2006 AUIR use morning peak traffic counts in determining deficiencies in transportation.

#### **2. DRAINAGE CANALS AND STRUCTURES**

The Planning Commission recommended approval of the Drainage and Canals section with the following changes and recommendations:

- Page 19 - Add a footnote noting the estimated interest on funds in the revenue account that is used to pay for project costs.
- Page 19 - Change the amount of “Existing Ad Valorem Revenue” Sources for FY 06 and FY07-10 to reflect actual anticipated Ad Valorem revenue.



- Page 20 - Add footnotes at the bottom of the page differentiating between “soft” and “hard” costs.

Although not part of the 2005 AUIR, the CCPC recommended that the BCC approach the City of Naples for cost sharing on storm water drainage projects which benefit Naples, such as the Gordon River Water Quality Park.

### **3. POTABLE WATER**

The Planning Commission recommended approval this element of the AUIR without any changes with an advisory to the BCC as follows:

Although not a recommendation for the 2005 AUIR, staff will determine the economic feasibility of constructing the proposed 18.75 mgd 2009 Northeast Regional Water Treatment Plant expansion in two phases rather than in one phase as proposed in the AUIR. This feasibility study will be conducted as a part of the upcoming Master Plan process.

### **4. SEWER TREATMENT AND COLLECTION**

The Planning Commission recommended approval of this section of the 2005 AUIR without any changes.

### **5. SOLID WASTE**

The Planning Commission recommended approval of this section of the AUIR without any changes with the proviso that the BCC consider the following items:

- The landfill is projected to be completed full in 2028; and
- The time required to find an acceptable alternative location or methods for disposal of solid waste for Collier County may well require approximately 10 years of lead time (or by approximately 2016) given the present BCC policy of allowing no additional landfills in Collier County once the present landfill is full.
- Verify the accuracy of the 0.82 tons/capita disposal rate used in the AUIR.

### **RECREATION FACILITIES AND PARKS**

The Planning Commission tabled action on this element of the AUIR on January 13 pending additional information from the Parks and Recreation staff. On January 19, 2006 the Planning Commission made the following recommendations:

1. Recreation Facilities - The Planning Commission recommended approval of this recreation component of the 2005 AUIR without any changes.
2. Community Park Land – The Planning Commission made the following recommendations:
  - a. That the proposed CIE for FY06-10 land acquisition be reduced from 187.0 acres to 82.4 acres with an accompanying reduction in the acquisition cost from \$37,400,000 to \$16,480,000;
  - b. That the 5-year surplus be changed to 0 acres at no cost.
  - c. That the accuracy or the \$200,000/acre estimated land cost be validated as part of the upcoming BCC impact fee adoption public hearing which will take place in Spring 2006.
3. Regional Park Land - The Planning Commission made the following recommendations:
  - a. That the accuracy or the \$200,000/acre estimated land cost be validated as part of the upcoming BCC impact fee adoption public hearing which will take place in Spring 2006.

# CATEGORY “B” FACILITIES

## **JAILS AND LAW ENFORCEMENT**

On January 19, 2006 the Planning Commission made the following recommendations:

1. Remove revenues needed to maintain the existing level of service standard (\$2,543,361);
2. Adjust the footnote (\*\*) to show there is no deficit in FY06-10; and
3. Note that the revenues needed to maintain the existing level of service are contingent on the long range development plan for new jail facilities.

## **LAW ENFORCEMENT**

On January 19, 2006 the Planning Commission made the following recommendation:

1. The Planning Commission recommended approval of this section of the 2005 AUIR without any changes.

## **LIBRARIES**

The Planning Commission recommended approval of this section with weighted population and a 1.8 books per capital level of service only if the impact fees cover the increased costs and with minor clarifications made to pages 81 and 87 to clarify the fiscal years in which construction of new library facilities will be completed.

## **EMERGENCY MEDICAL SERVICES**

Planning Commission tabled action on January 13, 2006 and instructed staff to revise page 90 to show “blended” unit costs to be calculated and to be depicted in the “Available Inventory”. On January 19, 2006 the Planning Commission made the following recommendations:

1. That the \$19,062,826 additional revenues required do not result in an increase in Ad Valorem Taxes;
2. Use weighted population with a 0.000068 units/capita level of service;
3. Consider including the revenue generated by EMS be shown in the AUIR;
4. Consider raising impact fees and user fees to offset increased costs;
5. Consider putting the helicopter operation in the 2006 AUIR and adopting a level of service for EMS helicopters..

## **GOVERNMENT BUILDINGS**

Planning Commission tabled action and Facilities Management to provide responses to Planning Commission inquiries dealing with pages 103 and 109. On January 19, 2006 the Planning Commission made the following recommendations:

1. Approval of the level of service of 1.7. sq.ft. per capita using weighted population and removal of the 100,433 sq. ft. of proposed building space from the FY 06-10 CIE so that the 5-year surplus is 56,851 sq. ft.

**2005 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)**  
**ERRATA AND REPLACEMENT PAGES**  
**FOLLOWING COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS SPECIAL  
MEETING OF JANUARY 25/FEBRUARY 6, 2006**

Attached are revised pages which contain directed updates and changes following the February 6, 2006, completion of the Collier County Board of County Commissioners AUIR Special Meeting.

<b><u>Page References</u></b>	<b><u>Action Required</u></b>
Page 5 of Executive Summary	Replace old page 5 with new page 5
Page 2 (main report)	Replace old page 2 with new page 2
Page 2a	Remove page 2a...no replacement
Page 5	Replace old page 5 with new page 5
Page 8	Replace old page 8 with new page 8
Page 9	Replace old page 9 with new page 9
Pages 11 through 17	Replace old pages 11-17 with new pages 11-17
Pages 47 through 49	Replace old pages 47-49 with new pages 47-49
Page 54	Replace old page 54 with new page 54
Page 64	Replace old page 64 with new page 64
Page 81	Replace old page 81 with new page 81
Pages 83 through 86	Replace old pages 83-86 with new pages 83-86
Pages 93 and 94	Replace old pages 93-94 with new pages 93-94
Pages 103 through 109	Replace old pages 103-109 with new pages 103-109

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## 2005 AUIR

### **TOTAL ADDITIONAL REVENUE REQUIRED OR LEVEL OF SERVICE STANDARD REDUCTION**

<u>FACILITY TYPE</u>	<u>ADDITIONAL REVENUE REQUIRED</u>
Parks and Recreation	2,391,969
County Jail	2,543,461
Libraries	1,154,025*
Emergency Medical Services	19,061,826
Government Buildings	<u>3,577,206</u>
TOTAL	\$28,728,487

\*This need is based upon a Board of County Commissioners direction given in 2005 to raise the impact fee for libraries by an amount in early 2006 sufficient to raise an additional \$6,918,552 in revenues. If the fees are not raised, then the additional revenue required will be raised by a like amount.

“Additional Revenue Required” could be greatly offset by increase in impact fees in the Spring and each summer if the BCC provides that policy direction in conjunction with new impact fee studies currently in progress. Furthermore, additional revenue generated by increases in assessed property values county wide could be used to provide some of the funding for each facility type. It is also possible that the Board may provide policy direction which would move a capital project or expenditure outside of the 5-year CIE. As a last resort, the Board could provide policy directives to reduce levels of service for specific Category A or Category B type facilities. Assuming that none of these other options would be pursued by the Board, which would appear unlikely, an analysis of what the “Additional Revenue Required” (\$28,728.487) in terms of millage was undertaken by staff. If Ad Valorem taxes alone were used to cover the above capital shortfall, which again is highly unlikely, this would be the equivalent of 0.1005 mills for the next 5 years or \$10.05 per \$100,000 of taxable value per home to each Collier County taxpayer.

## **CCPC Recommendation**

The CCPC recommended that the additional revenues required for Parks and Recreation, Jails and Government Buildings be reduced to no additional revenue required as these items would be zeroed out. Assuming that these recommendations were adopted by the Board, the “Additional Revenue Required” would be reduced to \$19, 970,076. If Ad Valorem taxes alone were used to cover the above this capital shortfall, which again is highly unlikely, this would be the equivalent of ????? mills for the next 5 years or \$???.?? Per \$100,000 of taxable value per home to each Collier County taxpayer.

**ANNUAL UPDATE AND INVENTORY REPORT  
ON PUBLIC FACILITIES**

**2005**

**CATEGORY “A” FACILITIES  
(Concurrency Regulated)**

- 1. County Roads**
- 2. Drainage Canals and Structures**
- 3. Potable Water System**
- 4. Sewer Treatment and Collector Systems**
- 5. Solid Waste**
- 6. Parks and Facilities**

**December 2005**

# COUNTY ROADS

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**ATTACHMENT E...PROPOSED TRANSPORTATION 5-YEAR WORK  
PROGAM**

**ATTACHMENT F...ROAD FINANCING PLAN UPDATE**

**ATTACHMENT G...AUIR TRANSPORTATION DATABASE**



## 2005 AUIR FACILITY SUMMARY FORM

**Facility Type:** *County Arterial and Collector Roads* (Category A)

**Level of Service Standard:** Variable - “D” or “E”

**Unit Cost:** Variable (Average = \$3,569,220/lane mile average)

	<u>Capital Roads</u>
Recommended Work Program 9/30/10	\$775,072,047
Recommended Revenues FY06-10	\$775,072,047
5-year Surplus or (Deficit)	0
1. <u>Existing Revenue Sources:</u>	
A. Current Revenues CIE FY 06-10	
Impact Fees including Ave Maria	\$207,396,800
Gas Taxes	\$107,483,747
General Fund	\$134,790,900
Grants/Reimbursements	\$ 22,285,000
Toll Revenue Trust Fund	\$ 5,100,000
Carry Forward including Bonds	<u>\$298,015,600 **</u>
TOTAL	\$775,072,047
2. <u>Supplemental Revenue Sources:</u>	
A. Alternative I	
None Required	
B. Alternative II	
None Required	

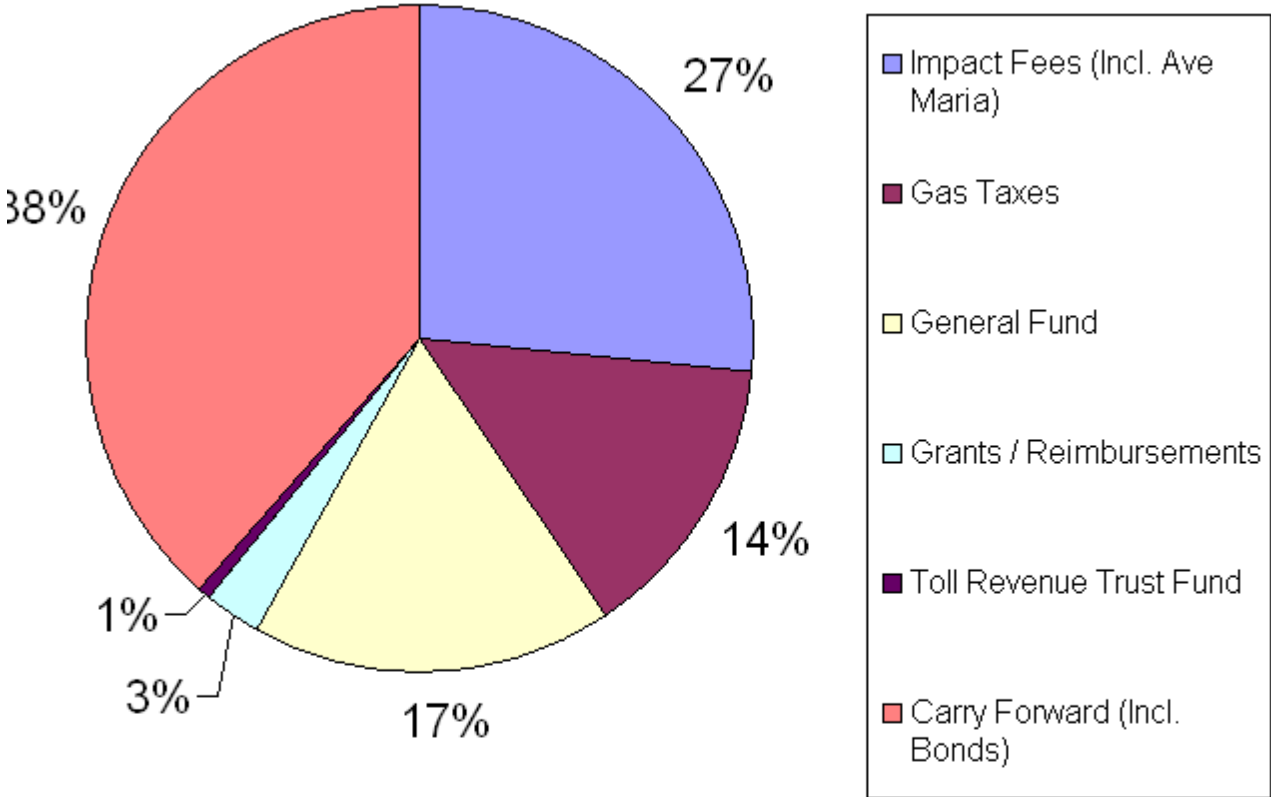
**Recommended Action:**

That the BCC direct staff to include County road projects appearing on “Proposed Transportation 5 Year Work Program”, (Attachment C), as detailed in the “Collier County Transportation Planning Data Base” (Attachment E), in the next Annual CIE Update and Amendment with the application of revenues outlined on the Road Financing Plan (Attachment D) to establish statutorily required financial feasibility of the CIE.

\*\*Carry forward includes project funding encumbered in prior fiscal years to be paid out over the following schedule for phases (average time for payout):

1. Design – 25 months
2. Right-of-Way – 4 years
3. Construction – 30-36 months

# CURRENT REVENUES - CIE FY 06-10



TRANSPORTATION EXISTING CONDITIONS REPORT – 2005

**Objective**

To provide the board of County Commissioners with an “existing conditions” analysis of the transportation system in Collier County.

**Purpose**

This analysis is provided to assist in the preparation of the Annual Update and Inventory Report (AUIR), and more specifically to assist in the determination of adequate (transportation) public facilities.

**Considerations**

The following considerations apply to this analysis:

- The traffic counts are based on factoring the four quarterly traffic counts to average annual daily traffic and taking an average of those counts. These factors include an axle factor of .9524 and a peak season weekday factor that varies depending on the week that the traffic count was conducted.
- The level of service (LOS) threshold volumes are calculated using Synchro software and is based on the 100<sup>th</sup> highest hour after omitting February and March data consistent with the Growth Management and Land Development Code provisions.

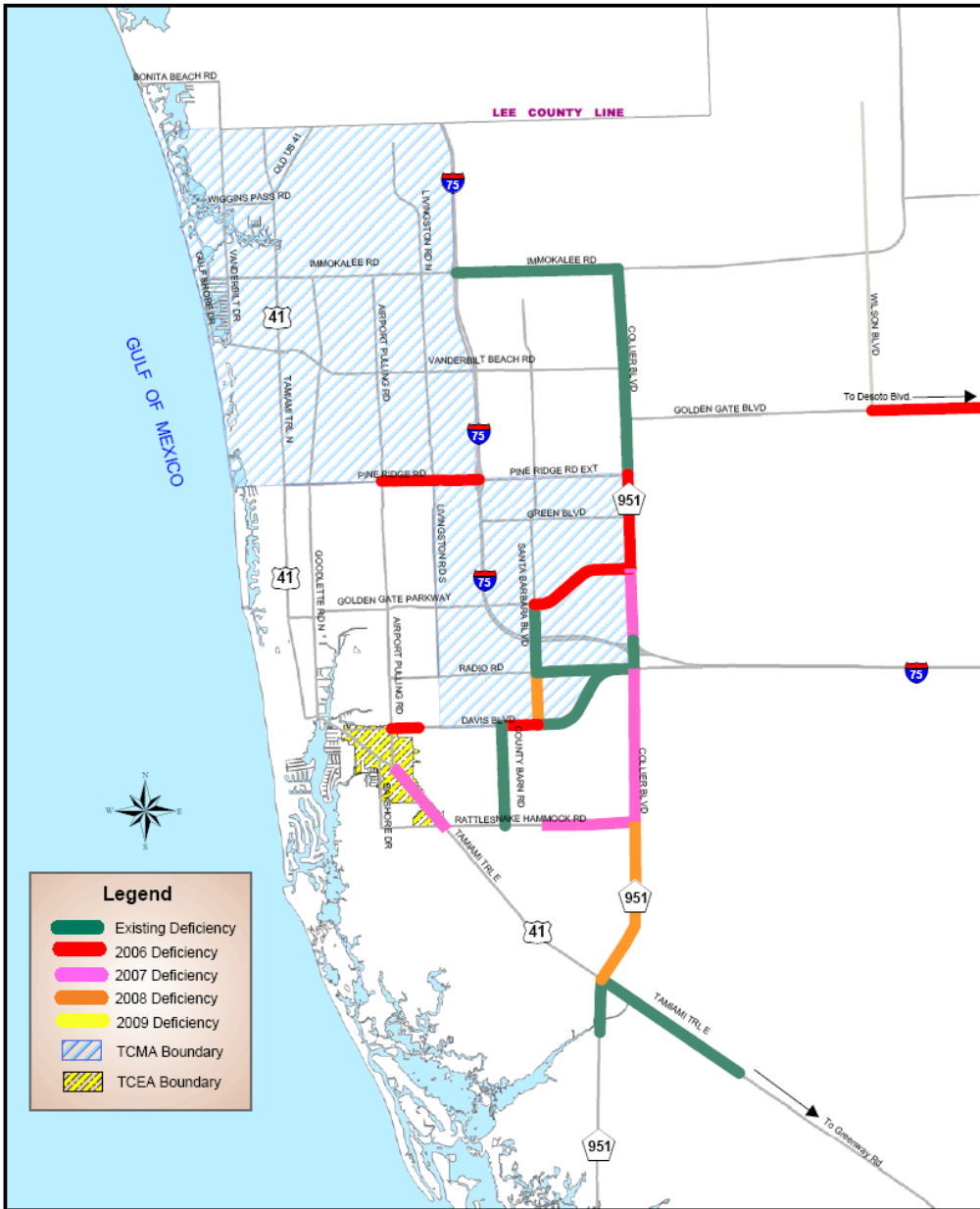
**Attachments**

Attached is the 2005 Collier County Transportation Planning Database table, which incorporates the proposed FY 06 to FY 10 Capital Improvement Program.

**Observations**

Of the 201 traffic count stations collected in the year 2004 traffic count program, the increase in traffic volume was 2.02%. Seventy-two percent of the traffic counts experienced an increase over the previous year. Listed below are the number and percentage of stations, including their corresponding change over the previous year:

- 23% (46 stations) show an increase greater than 10% over 2004.
- 23% (46 stations) show an increase of 5-10% over 2004, and
- 26% (52 stations) show an increase of up to 5% over 2004
- 12% (24 stations) show a decrease of 5% or less over 2004
- 8% (17 stations) show a decrease of 5-10% over 2004, and
- 8% (16 stations) show a decrease of greater than 10% over 2004



**PROJECTED COLLIER COUNTY DEFICIENT ROADS  
FY 2005/06 - FY 2009/10**

Transportation Services Division  
 Transportation Planning Department  
 GIS Mapping: Beth Yang  
 File: G:\Data Request\DeficientRoad.mxd



**Results**

Listed below are the roadway links that are currently deficient or are projected to be deficient under the concurrency system within the next five years and the programmed and proposed solutions to solve these deficiencies:

#	Map	Year Deficient	Roadway	From/To	Solutions
1		Existing	Radio Road	Santa Barbara Blvd. to Davis Blvd.	Production readiness anticipated in 2006.
2		Existing	SR 951	North & South at US 41	Design and CST paid by others (FY 2006).
3		Existing	SR 951	Davis Blvd. to N. of I-75	Prod.readiness anticipated FY06. Possible proj split.
4		Existing	Immokalee Road	I-75 to Future Logan Blvd.	Production readiness anticipated in 2006.
5		Existing	Santa Barbara Blvd.	Radio Road to Golden Gate Pkwy	Production readiness anticipated in 2006.
6		Existing	County Barn Road	Rattlesnake Hammock to Davis Blvd.	Production readiness anticipated in 2006.
7		Existing	US 41	CR 951 to Greenway	PD&E under way & design programmed in 2009.
8		Existing	CR 951	Golden Gate Blvd. to Immokalee Rd.	Production readiness anticipated in 2006.
9		Existing	CR 951	Pine Ridge Rd. to Golden Gate Blvd.	Production readiness anticipated in 2008.
10		Existing	Davis Boulevard (SR 84)	Santa Barbara Blvd. to CR 951	Loss of FDOT funding, efforts to reinstate FDOT funding.
11		2006	Davis Boulevard (SR 84)	Airport Rd. to Lakewood Blvd.	Design Programmed in 2009 by FDOT.
12		2006	Davis Boulevard (SR 84)	County Barn Rd. to Santa Barbara Blvd.	Design Programmed in 2009 by FDOT.
13		2006	Golden Gate Boulevard	Wilson Blvd. to DeSoto Blvd.	Production readiness anticipated in 2008.
14		2006	Golden Gate Parkway	Santa Barbara Blvd. to CR 951	Constrained corridor.
15		2006	Pine Ridge Road	Airport Rd. to I-75	SCOOT & GG Pkwy CST.
16		2006	CR 951	Golden Gate Pkwy. to Pine Ridge Rd.	30% Des part of N Collier Proj, Pine Ridge Int Imprvt.
17		2007	CR 951	N. of I-75 to Golden Gate Pkwy.	30% Des part of N Collier Proj.
18		2007	Rattlesnake Hammock Rd.	Polly Ave. to CR 951	Under Construction
19		2007	US 41	Airport Rd. to Rattlesnake Hammock Rd.	Transportation Concurrency Exception Area (TCEA)
20		2008	Santa Barbara Blvd.	Davis Blvd. to Radio Road	Construction readiness anticipated in 2006.

Prepared By: Donald Scott  
Donald Scott, Transportation

Date: 2/10/06

NOTES:  
 Roadway Name = State Facility  
 TCMA = Transportation Concurrency Management Area  
 SCOOT = Split Cycle Offset Optimization Technique

**TCMA Report**

Collier County Transportation Concurrency Management System

AUJR ID	Name	From	To	PkHr-PkDir V/C Ratio	Length	# Lanes	Lane Miles
---------	------	------	----	-------------------------	--------	---------	------------

**East Central TCMA**

14	Davis Boulevard	Lakewood Boulevard	County Barn Road	0.89	1.29	4	5.16
15	Davis Boulevard	County Barn Road	Santa Barbara Boulevard	0.98	0.68	4	2.72
16	Davis Boulevard	Santa Barbara Boulevard	Collier Boulevard	1.06	2.39	2	4.78
21	Golden Gate Parkway	I-75	Santa Barbara Boulevard	0.60	0.87	6	5.22
22	Golden Gate Parkway	Santa Barbara Boulevard	Collier Boulevard	0.98	2.14	4	8.56
27	Green Boulevard	Santa Barbara Boulevard	Collier Boulevard	0.69	1.06	2	2.12
32	Collier Boulevard	Green Boulevard	I-75	0.92	2.49	4	9.96
33	Collier Boulevard	I-75	Davis Boulevard	1.02	0.56	6	3.36
49	Logan Boulevard	Pine Ridge Road	Green Boulevard	0.69	0.87	4	3.48
54	Livingston Road	Pine Ridge Road	Golden Gate Parkway	0.44	2.55	6	15.30
55	Livingston Road	Golden Gate Parkway	Radio Road	0.37	1.43	6	8.58
67	Pine Ridge Road	Airport Road	I-75	0.95	1.12	6	6.72
68	Pine Ridge Road	I-75	Logan Boulevard	0.64	0.99	6	5.94
70	Radio Road	Livingston Road	Santa Barbara Boulevard	0.82	1.99	4	7.96
71	Radio Road	Santa Barbara Boulevard	Davis Boulevard	0.70	1.38	4	5.52
76	Santa Barbara Boulevard	Green Boulevard	Golden Gate Parkway	0.79	1.80	4	7.20
77	Santa Barbara Boulevard	Golden Gate Parkway	Radio Road	0.61	1.37	6	8.22
78	Santa Barbara Boulevard	Radio Road	Davis Boulevard	0.54	1.06	6	6.36
126	Pine Ridge Road	Logan Boulevard	Collier Boulevard	0.48	1.86	4	7.44

**Total Lane Miles:** 124.60  
**Lane Miles<=1.0 V/C:** 116.46  
**Percent Lane Miles Meeting LOS Standard:** 93.47%

Proposed Transportation 5 Year Work Program -  
(Dollars shown in Thousands)

ATTACHMENT E

Project #	Project Name	FY06 Amount		FY07 Amount		FY 08 Amount		FY09 Amount		FY10 Amount		Amount
<b>SUMMARY OF PROJECTS</b>												
60001	Collier Blvd (Davis S to US41	2,741	R	4,500	R			25,989	C/I			33,230
60005	Goodlette Frank (PRR-GGPKWY)	17,254	C/I	694	LS							17,948
60006	Golden Gate Pkwy Overpass	30,703	C/I/LS									30,703
60018	Immokalee Rd/Collier Blvd -43rd	15,725	C/I	900	I	309	LS					16,834
60091	Santa Barbara Blvd/Polly	8,525	D/R					11,783	C/I			20,308
60101	County Barn Road/Davis - CR864	1,984	D/R					26,295	C/I			28,279
60166	Logan Boulevard/PRR to IMMK	1,656	R									1,656
60168	Vanderbilt Beach Rd/Collier Blvd-W	8,118	D/R	7,250	R	2,000	R			1,995	R	19,363
60169	Rattlesnake Polly to Collier Blvd	26,146	C/I	65	LS	665	LS					26,766
62081	SBB Ph I Cst/Ph I ROW	8,237	D/R					31,163	C/I			39,390
63051	Vanderbilt Bch Rd/Airport-Collier B	40,212	C/I/R	1,376	LS							41,588
65061	Collier Blvd./Immokalee Rd-GG Blvd.	2,192	D/R					22,435	C/I			24,627
66042	Immokalee Rd/US41-I75	32,342	C/I	1,035	LS							33,377
68056	Collier Blvd (GGB to PRR)	2,000	D/R	5,507	D/R					14,583	C/I	22,100
69101	Immokalee Rd I75 - Collier Blvd.	2,291	R					16,919	C/I			19,210
60044	Oil Well (Immokalee - Everglades)	2,200	R					10,400	C/I			12,600
60044	Oil Well (Everglades - E Desoto)	2,900	R									2,900
60044	Oil Well (E Desoto - Camp Keels)	-						18,400	C/I			18,400
68055	Green Blvd (Sunshine - SBB)	1,000	D	600	R	600	R			100	R	2,300
60040	Golden Gate Blvd/Wilson-Desoto	2,000	D	3,000	R	2,000	R			30,000	C/I	37,000
60038	SR 82 Lee Cnty Line to SR 29	500	D									500
TBD	Everglades (Oil Well to GGB)	-		500	R	500	R	2,000	R	5,000	R	8,000
TBD	Randall Blvd	800	D	4,800	D/R	1,000	R	1,000	R			7,600
TBD	Wilson Blvd (GGB - Immokalee)	-								1,400	D	1,400
TBD	CR 951 Ext. Imm. to B.B. Road	-				5,100	D					5,100
60134	Goodlette Frank PRR-VBR	735	LS									735
60027	Golden Gate Pkwy Landscape	278	LS									278
62071	Livingston Rd VBR-IMMK	344	LS									344
66060	I75 Interchange @ Everglades	750	S									750
60162	Tropicana Bridge							1,500	C			1,500
60176	Davis Blvd Lighting							695	C			695
TBD	Immokalee - I-75 Loop							6,000	C			6,000
TBD	Davis Blvd Airport - SBB									3,442	D	3,442
	10% Contingency	2,174		4,000		4,201		2,494		3,800		16,669
	Reserve for Capital Outlay			120		1,399		4,896		82,062		88,477
	<b>Total</b>	<b>213,807</b>		<b>34,337</b>		<b>17,674</b>		<b>181,959</b>		<b>142,392</b>		<b>590,169</b>
<b>Base Operations &amp; Maintenance</b>												
66066	Bridge Repairs/Improvements	430		200		200		2,000		5,000		7,830
66065	Major Intersection Improvements	1,321		1,000		1,000		1,000		1,000		5,321
60016	Intersection Safety/Capacity Impr	1,054		750		750		750		750		4,054
60172	New Traffic Signals	4,956		750		750		750		750		7,956
69122	Shoulder Safety Program	79		50		50		50		50		279
60163	Traffic Calming	452		250		250		250		250		1,452
69081	Pathways/Sidewalks Bike Lanes	3,897		500		500		500		500		5,897
35010	Transit Facility & Transfer Site	5,882										
61010	Transit Enhancements	448		2,000		2,000		2,000		2,000		8,448
	<b>Subtotal Base Operations &amp; Mainte</b>	<b>18,519</b>		<b>5,500</b>		<b>5,500</b>		<b>7,300</b>		<b>10,300</b>		<b>41,237</b>
<b>Enhanced Operations &amp; Maintenance</b>												
60173	Major Roadway Resurfacing/Recc	1,315		500		500		500		500		3,315
TBD	Road Refurbishing	100		100		100		100		100		500
	<b>Subtotal Enhanced O &amp; M</b>	<b>1,415</b>		<b>600</b>		<b>600</b>		<b>600</b>		<b>600</b>		<b>3,815</b>
60003	Collector Roads/Minor Arterial Rc	18,739		5,670		5,361		5,169		5,166		40,105
60171	Advanced ROW	100		100		100		18,329		2,375		21,004
	Debt Service Payments	14,538		14,579		14,580		14,582		14,581		72,860
	<b>Total Funding Request All Funds</b>	<b>267,118</b>		<b>60,766</b>		<b>43,815</b>		<b>227,939</b>		<b>175,414</b>		<b>775,072</b>
<b>Revenues</b>												
	Impact Fees	26,500		25,551		26,318		27,107		25,478		130,954
	Gas Tax Revenue	20,567		21,022		21,487		21,961		22,447		107,484
	COA	8,196		16,949		14,282		6,393		1,900		47,720
	Grants/Reimbursements	14,229		2,537		1,134		3,385		1,000		22,285
	Ave Maria	3,000		5,100		5,500		6,500		8,622		28,722
	Toll Revenue Trust Fund					5,100						5,100
	Carry Forward	296,016		10,788		4,321		13,636		1,924		296,016
	General Fund	38,791		24,000		24,000		24,000		24,000		134,791
	<b>Total 5 Year Revenues</b>	<b>409,299</b>		<b>105,947</b>		<b>102,142</b>		<b>102,982</b>		<b>85,371</b>		<b>775,072</b>

**Key:**

S = Study

D = Design

M = Mitigation

C = Construction

R = ROW

LS = Landscape

Last Updated 11/8/04

Note: Landscaping (LD/LS) Added consistent with Board Approval of Landscape Master Plan

\* = Advanced Reimbursement

E = Exfiltration

FCO = Final Close Out

AM = Access Management

I = Inspection

Note: Collector Roads/Minor Arterial includes salaries for TE&CM and Transfers

**AUIR UPDATE 05**

Last Updated: 1/27/05 3:00 pm with 05 Roll

**Road Financing Plan Update**

	FY 06	FY 07	FY 08	FY 09	FY 10	5 Year Total
<b>Project/Program Commitments</b>						
Existing Debt Service	251,580,000	45,087,400	26,836,700	207,460,500	77,770,700	608,735,300
Cumulative Debt Service	14,538,300	14,578,600	14,579,300	14,582,500	14,580,300	72,859,000
Impact Fee Credits	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Reserve for Capital Outlay	-	120,000	1,399,000	4,895,000	82,062,747	88,477,747
<b>Total Expenses</b>	<b>267,118,300</b>	<b>60,786,000</b>	<b>43,815,000</b>	<b>227,939,000</b>	<b>175,413,747</b>	<b>775,072,047</b>
<b>Impact Fee Revenue including Ave Maria</b>						
Gas Tax Revenue	37,696,800	47,600,000	46,100,000	40,000,000	36,000,000	207,396,800
General Fund	20,567,359	21,021,897	21,486,481	21,961,332	22,446,678	107,483,747
Grants/Reimbursements	38,790,900	24,000,000	24,000,000	24,000,000	24,000,000	134,790,900
Miscellaneous	14,228,900	2,537,000	1,134,000	3,385,100	1,000,000	22,285,000
Carry Forward Including Bonds (Surplus or Shortfall)	298,015,600	5,100,000	5,100,000	-	-	5,100,000
<b>Total Revenues</b>	<b>409,299,559</b>	<b>95,159,897</b>	<b>97,820,481</b>	<b>89,346,432</b>	<b>83,446,678</b>	<b>775,072,047</b>
<b>Fiscal Year Balance (Surplus or Shortfall)</b>	<b>142,181,259</b>	<b>34,372,897</b>	<b>54,005,481</b>	<b>(138,592,568)</b>	<b>(91,967,069)</b>	<b>-</b>
<b>Cumulative Fiscal Year Balance (Surplus or Shortfall)</b>	<b>142,181,259</b>	<b>176,554,156</b>	<b>230,559,637</b>	<b>91,967,069</b>	<b>-</b>	<b>-</b>











ID#	CDM	Proj #	Board #	Link	E&E	E&E	Peak Hour Peak 1hr Peak 15m Peak 5m Peak 1m Peak 15s	Peak Hour Peak 1hr Peak 15m Peak 5m Peak 1m Peak 15s	Type	Total Volume	Remains Capacity	L O S	Year of Deflection	Name	Fiscal Year 2006-2010 Capital Project (Proposed)					Total M&E	Expected Year of Substantial Completion		
															FY06	FY07	FY08	FY09	FY10				
1513		40007		Colony/Kelvin Animal South												18,739	5,679	5,361	5,149	5,146	40,335		
1545	34	40117		Advanced E1109												100	100	100	18,329	2,375	21,004		
1515				Proposed Link Service												14,538	14,579	14,580	14,582	14,591	79,860		
156		40068		18th Street Improvements												452	250	250	250	250	250	1,452	
157		40153		Traffic Calming												448	1,000	1,000	1,000	1,000	1,000	8,448	
158		40103		Traffic Subsidies												5,821						5,821	
159		35010		Grand Street & Transfer Station												2,174	1,000	4,201	2,494	1,800	13,062		
160		40007		Street Lighting Program																		16,669	
161				Transfer Station																			
162				10th Corridor/Access																			
163				Access to Capital City																			
															29,718	68,768	43,815	27,538	176,614	88,477			

Board Examination Activities Key  
 \* To be included by Developer  
 \*\* To be included by Developer  
 Pending in its 100%  
 2006 AWP ADOP1102.0.06  
 Page 1 of 5  
 2006000

# **COUNTY DRAINAGE CANALS AND STRUCTURES**

## **CONTENTS SUMMARY FORM**

## **ATTACHMENT A...5-YEAR WORK PROGRAM**

**2005 AUIR FACILITY SUMMARY FORM**

Facility Type: Drainage Canals & Structures (Category A)

Level of Service Standard:

Future Development (subsequent to January 1989) – 25 year, 3-day storm

Existing Development (prior to January 1989) – current service level

Summary of Drainage Inventory

	FY 05		FY 10 (Proposed)	
Type Of:	Canal (Miles)	Structures	Canal (Miles)	Structures
Primary	163	40	185	50
Secondary	<u>148</u>	<u>24</u>	<u>162</u>	<u>35</u>
County Wide Total:	311	64	347	85

Drainage Canal Cost Components & Average Costs (FY-05)

<u>Cost Component:</u>	Primary Canal	Secondary Canal	Primary Str.	Secondary Str.
	\$1,638,000	\$1,764,000	\$ 1,039,500	\$ 530,250

	Canal Miles	Structures	Value/Cost
Available Inventory 10/11/05	311	64	\$ 582,372,000
Proposed Inventory FY10	347	85	\$ 659,331,750
Proposed CIE FY06-10	36	21	\$ 76,959,750

Existing and Projected Revenue Sources

Ad Valorem (FY06)	\$ 7,548,700
SFWMD (FY06)	\$ 4,322,100
Carry Forward/Misc. (FY05)	\$ 6,137,592
Sub-Total FY 06:	<u>\$ 18,008,392</u>
Ad Valorem (FY07-10 from S.W. Utility <sup>1</sup> @ 0.15 Mills per year – est.)	\$ 41,585,023
*SFWMD/BCB and other Grants (FY 07-10)	\$ 12,000,000
*MSTU's (FY 07-10)	\$ 5,366,335
Sub-Total FY 07-10:	\$ 58,951,358
TOTAL:	\$ 76,959,750

**Recommended Action:**

That the BCC direct Staff to include "Proposed CIE FY06-10" projects and studies with existing and recommended revenues in the next Annual CIE Update and Amendment.

Notes:

- On June 22<sup>nd</sup> 2004 the Collier County Board of County Commissioners established a Stormwater Utility<sup>1</sup> funded via 0.15 mills Ad Valorem securing funding beginning in FY05 for the next 20 years.
- Cost share ratios:

<u>Capital Projects</u>	<u>Tertiary Systems</u>	<u>Tidal Areas</u>
1/3 County	½ County	½ County
1/3 Grants	½ Grants (BCB)	½ Grants (BCB)
1/3 MSTU's		With Maintenance and Operation by MSTU's

<sup>1</sup>Stormwater Utility: Annual appropriation commitment

\*Although the 20 year plan assumes additional grant funding and MSTU funding for a grand total of \$ 104,993,415 over the 5 years, the AUIR is based on a conservative level until such time that the additional grant funds and MSTU funds are received. Individual project funding will be expanded based on receipt of additional grant or MSTU funding, conversely, reductions will be made should projected funding not materialize.

Accrued interest on Stormwater funds (appx. \$ 827,948.00 in fiscal year 2005) go to General Funds and offset the General Funds transfer to Stormwater.

Collier County Stormwater Management Capital Improvements Program (AUIR 2005 Report)

No.	SAP No.	Project Name	FY 06	FY 07	FY 08	FY 09	FY 10	Total
1	510012	Consultant Study	\$ 1,310 S	\$ -	\$ -	\$ -	\$ -	\$ 1,310
2	510032	County Wide GPS Network	\$ 237,160 C	\$ 50,000 C	\$ 50,000 C	\$ 50,000 C	\$ 50,000 C	\$ 437,160
3	510052	Gordon River MP	\$ 2,000 S	\$ -	\$ -	\$ -	\$ -	\$ 2,000
4	510056	Westlake Outfall	\$ 54,463 C	\$ -	\$ -	\$ -	\$ -	\$ 54,463
5	510055	Goodlette Frank Rd Culvert	\$ 8,801 C	\$ -	\$ -	\$ -	\$ -	\$ 8,801
6	510057	Fourteenth Street Outfall Improvements	\$ 441,415 C/R	\$ -	\$ -	\$ -	\$ -	\$ 441,415
7	510058	Twin Lakes	\$ 996,895 C	\$ -	\$ -	\$ -	\$ -	\$ 996,895
8	510073	Palm River Pipe Replacement	\$ 7,958 C	\$ -	\$ -	\$ -	\$ -	\$ 7,958
9	510075	County Wide Swale Improvements	\$ 683,414 D/C/R	\$ 200,000 D/C/R	\$ 300,000 D/C/R	\$ 500,000 D/C/R	\$ 700,000 D/C/R	\$ 2,383,414
10	510076	Willow West Swale	\$ 428,951 D/C	\$ 1,000,000 C	\$ -	\$ -	\$ -	\$ 428,951
11	510111	Haldeman Creek	\$ 1,262,637 C/R	\$ -	\$ -	\$ -	\$ -	\$ 1,262,637
12	510141	North Livingston Rd Basin (Ibis Way & Lake "N" Imp.)	\$ 564,880 C	\$ -	\$ -	\$ -	\$ -	\$ 564,880
13	510185	Gordon River Water Quality Park	\$ 3,086,404 D/C	\$ 7,000,000 C	\$ -	\$ -	\$ -	\$ 10,086,404
14	510201	Pine Ridge Subdivision Pipe Replacement	\$ -	\$ 250,000 D/C	\$ -	\$ -	\$ -	\$ 250,000
15	510211	Fish Branch Creek Box Culvert	\$ 147,896 C	\$ -	\$ -	\$ -	\$ -	\$ 147,896
16	510221	C-1 Canal Crossing at 10TH Street S.E.	\$ 377,037 D/C	\$ -	\$ -	\$ -	\$ -	\$ 377,037
17	511011	Lely Area Stormwater Improvement Project	\$ 1,833,354 D/C/R	\$ 739,000 D/C/R	\$ 7,000,000 D/C/R	\$ 8,000,000 D/C/R	\$ 9,000,000 C/R	\$ 26,672,354
18	511071	Avalon School Drainage	\$ 332,422 C	\$ -	\$ -	\$ -	\$ -	\$ 332,422
19	511321	Livingston East/West (Imperial Golf Est)	\$ 300,000 S/D	\$ 200,000 R	\$ 1,000,000 D/C	\$ 1,000,000 D/C	\$ 1,000,000 D/C	\$ 3,500,000
20	511331	Wiggins Bay Basin Flow Way Improvements	\$ 75,000 D	\$ 400,000 D/C	\$ -	\$ -	\$ -	\$ 475,000
21	511341	Bayshore & Thomason Drainage Improvements	\$ 50,000 D/C/R	\$ 500,000 D/C	\$ -	\$ -	\$ -	\$ 550,000
22	511351	Riviera Golf Estates	\$ 75,000 D	\$ 300,000 D/C	\$ -	\$ -	\$ -	\$ 375,000
23	511361	Palm River Country Club Ln. Improvements	\$ 155,000 D/C	\$ 650,000 C	\$ -	\$ -	\$ -	\$ 805,000
24	511371	Victoria Lakes Outfall Improvements	\$ 75,000 D/R	\$ -	\$ 750,000 C	\$ -	\$ -	\$ 825,000
25	511381	North Road Ditch Enclosure	\$ 125,000 D/R	\$ -	\$ 1,250,000 C	\$ -	\$ -	\$ 1,375,000
26	511391	Poinciana Village Drainage Improvements	\$ 100,000 D/R	\$ -	\$ 1,000,000 C	\$ -	\$ -	\$ 1,100,000
27	511401	County Wide Storm Sewer Improvements	\$ 750,000 D/C/R	\$ 82,358 D/C/R	\$ 350,000 D/C/R	\$ 450,000 D/C/R	\$ 900,000 D/C/R	\$ 2,532,358
28	511411	County Wide Stormwater Conveyance Impr.	\$ 638,800 D/C/R	\$ 100,000 D/C/R	\$ 200,000 D/C/R	\$ 650,000 D/C/R	\$ 650,000 D/C/R	\$ 2,238,800
29	512122	Wiggins Pass Bay Basin	\$ 106,674 D/C	\$ -	\$ -	\$ -	\$ -	\$ 106,674
30	512161	Coochatchee River Dredging	\$ 115,930 C	\$ -	\$ -	\$ -	\$ -	\$ 115,930
31	512171	CR-858 & CR-846 Culvert Replacement	\$ 3,655 C	\$ -	\$ -	\$ -	\$ -	\$ 3,655
32	514092	Rock Creek Restoration	\$ 2,341 D	\$ 80,000 D	\$ 800,000 D/C	\$ 800,000 D/C	\$ 800,000 D/C	\$ 2,482,341
33	515012	Australian Pine Removal	\$ 500,000 C	\$ 500,000 C	\$ 500,000 C	\$ 500,000 C	\$ 500,000 C	\$ 2,500,000
34	517012	Farm Workers Village SR-29 Culvert Upgrades	\$ 435,125 C	\$ -	\$ -	\$ -	\$ -	\$ 435,125
35	517252	Immk 5th Street Ditch Enclosure	\$ 596,635 C	\$ -	\$ -	\$ -	\$ -	\$ 596,635
36	518031	Gateway Triangle Improvements	\$ 866,792 D/C/R	\$ 1,000,000 D/C/R	\$ 1,000,000 D/C/R	\$ 2,000,000 D/C	\$ -	\$ 4,866,792
37		ImmoKlaee Urban MP	\$ -	\$ -	\$ 100,000 D	\$ 500,000 C/R	\$ 500,000 C	\$ 1,100,000
38		Belle Meade Master Plan	\$ -	\$ -	\$ 100,000 D	\$ 500,000 C/R	\$ 500,000 C	\$ 1,100,000
39	517041	Immk Mockingbird Lk Outfall	\$ 50,000 C	\$ -	\$ -	\$ -	\$ -	\$ 50,000
40	510152	Immk FI Specialties Ditch	\$ 8,499 C	\$ -	\$ -	\$ -	\$ -	\$ 8,499
41	518012	Lake Kelly Structure Replacement	\$ 2,844 C	\$ -	\$ -	\$ -	\$ -	\$ 2,844
42		Reserves	\$ 1,503,000	\$ -	\$ -	\$ -	\$ -	\$ 1,503,000
43		Transfers	\$ 906,100	\$ -	\$ -	\$ -	\$ -	\$ 906,100
44		TMDL / NPDES	\$ -	\$ 50,000	\$ 400,000	\$ 650,000	\$ 850,000	\$ 1,950,000
		<b>Total</b>	<b>\$ 18,006,392</b>	<b>\$ 13,101,358</b>	<b>\$ 14,890,000</b>	<b>\$ 15,600,000</b>	<b>\$ 15,450,000</b>	<b>\$ 76,959,750</b>

S = Study, D = Design, C = Construction, R = ROW



# COUNTY POTABLE WATER

## CONTENTS

- POTABLE WATER SYSTEM-TREATMENT FACILITIES LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR SERVICE AREA
- POTABLE WATER SYSTEM LOSS CHART

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Collier County Government  
 Public Utilities Engineering Department  
 2005 ANNUAL UPDATE INVENTORY REPORT (AUIR)

POTABLE WATER SYSTEM - TREATMENT FACILITIES  
 LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR SERVICE AREA

Greeley and Hansen  
 2 10:30 Dec 05

1	2	3	4	5	5a	6	7	8	9	9a
Fiscal Year	Peak Population (Seasonal)	Required Treatment Capacity @ 185 gpcd MGD	Total Constructed Plant Capacity On-line MGD	New Plant Constructed Capacity MGD	New Plant Reliable Capacity MGD	Available ASR Capacity MGD	Total Constructed Plant and ASR Capacity MGD	Total Treatment Reliable System Capacity MGD	Retained/ (Deficit) Constructed System Capacity MGD	Retained/ (Deficit) Reliable System Capacity MGD
2000	149,425	27.64	32.00			1.00	33.00	29.70	5.36	2.06
2001	161,500	29.88	32.00			1.00	33.00	29.70	3.12	(0.18)
2002	175,688	32.50	32.00			1.00	33.00	29.70	0.50	(2.80)
2003	189,416	35.04	32.00			1.00	33.00	29.70	(2.04)	(5.34)
2004	202,215	37.41	32.00			1.00	33.00	29.70	(4.41)	(7.71)
2005	213,220	39.45	32.00	8.00	6.00	1.00	41.00	36.90	1.55	(2.55)
2006	224,593	41.55	40.00			1.00	41.00	36.90	(0.55)	(4.65)
2007	236,632	43.78	40.00	12.00	12.00	1.00	53.00	47.70	9.22	3.92
2008	249,418	46.14	52.00			3.00	55.00	49.50	8.86	3.36
2009	268,808	49.73	52.00	20.75	16.00	3.00	75.75	68.18	26.02	18.45
2010	282,969	52.35	72.75			3.00	75.75	68.18	23.40	15.83
2011	296,493	54.85	72.75			5.00	77.75	69.98	22.90	15.12
2012	321,826	59.54	72.75			6.00	78.75	70.88	19.21	11.34
2013	339,653	62.84	72.75			6.00	78.75	70.88	15.91	8.04
2014	357,014	66.05	72.75			7.00	79.75	71.78	13.70	5.73
2015	372,944	68.99	72.75			7.00	79.75	71.78	10.76	2.78
2016	388,266	71.83	72.75	15.00	15.00	10.00	97.75	87.98	25.92	16.15
2017	404,025	74.74	87.75			10.00	97.75	87.98	23.01	13.23
2018	420,233	77.74	87.75			10.00	97.75	87.98	20.01	10.23
2019	436,899	80.83	87.75			10.00	97.75	87.98	16.92	7.15
2020	453,113	83.83	87.75			10.00	97.75	87.98	13.92	4.15
2021	468,835	86.73	87.75	12.00	10.00	10.00	109.75	98.78	23.02	12.04
2022	484,947	89.72	99.75			10.00	109.75	98.78	20.03	9.06
2023	501,461	92.77	99.75			10.00	109.75	98.78	16.98	6.00
2024	518,388	95.90	99.75	15.00	15.00	10.00	124.75	112.28	28.85	16.37
2025	534,716	98.92	114.75			10.00	124.75	112.28	25.63	13.35

Notes: (References are to the column numbers above)

- Fiscal Year Starts October 1 and Ends September 30.
- 2000 - 2025 peak population estimates and projections for the existing service area are based on "Collier County Water & Sewer Districts Population Estimates and Projections" dated November 22, 2005, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High through 2015 and the average of BEBR High and BEBR Medium from 2016 through 2025. The peak population projections shown includes the following new service area: Orangetree service beginning in FY 2012.
- Level of Service Standard (LOSS) is 185 gallons per capita (peak population) per day (gpcd); sourced from the adopted 2003 Water Master Plan Update and verified by the South Florida Water Management District for the 2006 Lower West Coast Water Supply Plan.
- Total Constructed Plant Capacity On-line is the total finished water treatment capacity at the beginning of the Fiscal Year in Million Gallons per Day (MGD). All plant capacities are stated in Maximum Month Daily Demand (MMDD).

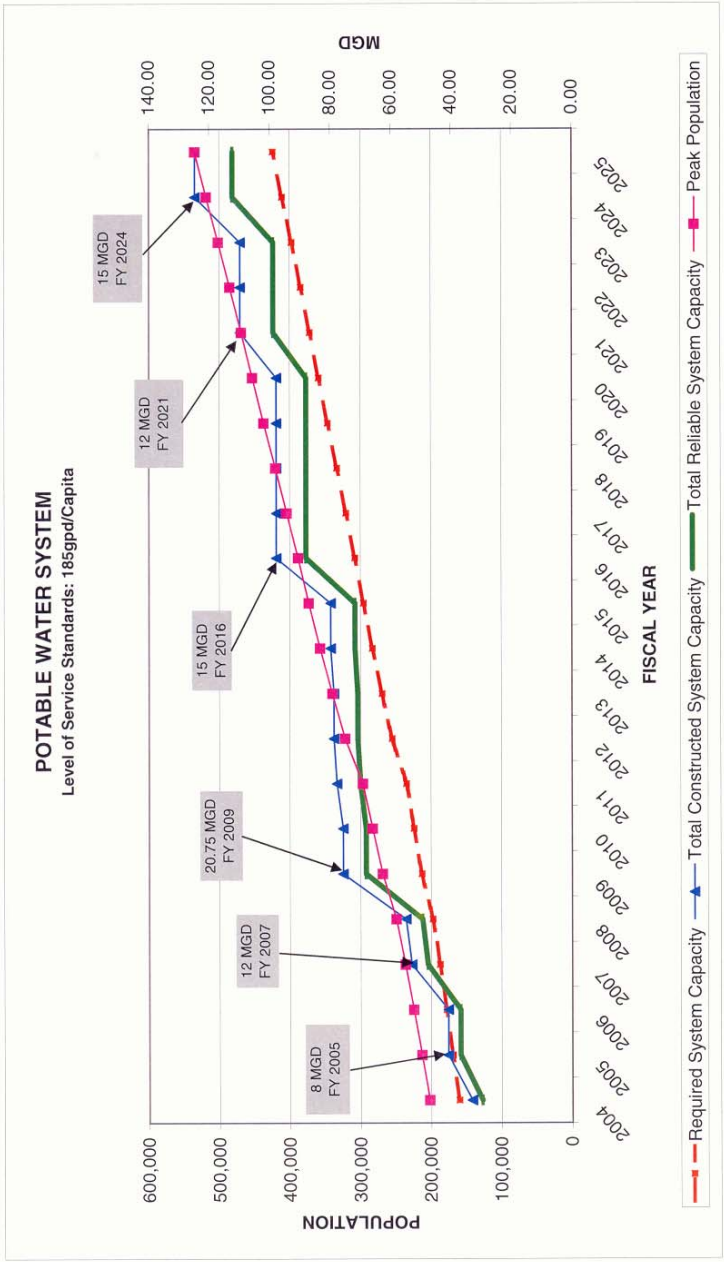
Collier County Government  
Public Utilities Engineering Department  
2005 ANNUAL UPDATE INVENTORY REPORT (AUIR)

**POTABLE WATER SYSTEM - TREATMENT FACILITIES  
LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR SERVICE AREA**

Greeley and Hansen  
30 15:30 Nov 05

5. New Plant Constructed Capacity schedule is as follows:
- FY 2005, 8.0 MGD reverse osmosis treatment expansion at South County Regional Water Treatment Plant (SCRWTP) (6.0 MGD Reliable Capacity). (FY 2004 per adopted 2003 Water Master Plan Update)
  - FY 2007, 4.0 MGD reverse osmosis treatment expansion at SCRWTP (4.0 MGD Reliable Capacity). (FY 2006 per adopted 2003 Water Master Plan Update)
  - FY 2007, 8.0 MGD reverse osmosis treatment expansion/buildout at SCRWTP (8.0 MGD Reliable Capacity). (FY 2006 per adopted 2003 Water Master Plan Update)
  - FY 2009, 2.0 MGD High Pressure RO Expansion at NCRWTP (1.0 MGD Reliable Capacity). (Recommended in 2003 Water Master Plan Supplement FY 2007)
  - FY 2009, 18.75 MGD New Northeast Regional Water Treatment Plant (15.0 MGD Reliable Capacity). (Increased from 10.0 MGD reliable capacity FY 2009 per adopted 2003 Water Master Plan Update)
  - FY 2016, 15.0 MGD expansion at Northeast Regional Water Treatment Plant (15.0 Reliable Capacity). (Increased from 10.0 MGD reliable capacity FY 2015 per adopted 2003 Water Master Plan Update)
  - FY 2021, 12.0 MGD New Southeast Regional Water Treatment Plant (10.0 MGD Reliable Capacity). (Increased from 8.0 MGD reliable capacity FY 2018 per 2003 Water Master Plan Update)
  - FY 2024, 15.0 MGD expansion at Northeast Regional Water Treatment Plant (15.0 Reliable Capacity). (Increased from 12.0 reliable capacity Southeast Regional Water Treatment Plant expansion FY 2022 per adopted 2003 Water Master Plan Update)
- 5a. New Plant Reliable Capacity is the new plant capacity with the largest WTP treatment unit out of service in accordance with the design requirements of the "Ten State Standards."
6. Available Aquifer Storage and Recovery (ASR) Capacity schedule is as follows:
- FY 2008, additional 2.0 MGD ASR well at Manatee Road Pumping Station site. (FY 2007 per adopted 2003 Water Master Plan Update)
  - FY 2011, additional 2.0 MGD ASR well at Manatee Road Pumping Station site. (FY 2007 per adopted 2003 Water Master Plan Update)
  - FY 2012, 1.0 MGD ASR well at Carica Road Pumping Station site. (After FY 2008 per adopted 2003 Water Master Plan Update)
  - FY 2014, additional 1.0 MGD ASR well at Carica Road Pumping Station site. (Recommended in 2003 Water Master Plan Supplement FY 2009)
  - FY 2016, additional 3.0 MGD ASR well at Carica Road Pumping Station site. (Recommended in 2003 Water Master Plan Supplement after FY 2010)
7. Total Constructed Plant and ASR Capacity is total of Constructed Plant Capacity (Column 4) plus Available ASR Capacity (Column 7).
8. Total Treatment Reliable System Capacity is the total available treatment system capacity necessary to meet concurrency requirements, and is defined herein as 90-percent of the Total Constructed Plant and ASR Capacity (Column 7).
9. Retained/(Deficit) Constructed System Capacity is the difference between Total Constructed Plant and ASR Capacity (Column 7) and Required Treatment capacity (Column 3).
- 9a. Retained/(Deficit) Reliable System Capacity is the difference between Total Treatment System Reliable Capacity (Column 8) and Required Treatment capacity (Column 3). Target values for planning purposes are 2.25 MGD minimum and 18.0 MGD maximum through FY 2015, and 3.0 MGD minimum and 24.0 maximum from FY 2016 through FY 2025. The target minimum capacities represent the projected increase in the next year's demand and the target maximum capacities represent the projected increase in demand for eight years.
- \* The 2003, 2004 and 2006 capacity deficits shown were (will be) met by system storage and pressure demand management.

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# COUNTY SEWER TREATMENT AND COLLECTION SYSTEM

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- LOSS ASSESSMENT FOR THE NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA
- CHART FOR THE NCWRF LOSS: 145 GPC/PD
- LOSS ASSESSMENT FOR THE SOUTH COUNTY WATER RECLAMATION WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA
- CHART FOR THE SCWRF LOSS: 120 GPC/PD
- LOSS ASSESSMENT FOR PROPOSED SOUTHEAST WATER RECLAMATION FACILITY (SEWRF) SERVICE AREA
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Collier County Government  
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2005 ANNUAL UPDATE INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM LOSS ASSESSMENT  
FOR NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA  
(SEE GENERAL NOTE)**

Greeley and Hansen  
2 10:30 Dec 05

1	2	3	4	5	6	7
Fiscal Year	Peak Population (Seasonal)	Required Capacity @ 145 gpcd	Constructed Capacity On-line	New Plant Capacity	Total Available Constructed Capacity	Retained/ (Deficit) Constructed Capacity
		MGD	MGD	MGD	MGD	MGD
2000	84,283	12.22	12.30		12.30	0.08
2001	92,804	13.46	12.30	6.50	18.80	5.34
2002	103,250	14.97	18.80		18.80	3.83
2003	112,898	16.37	18.80		18.80	2.43
2004	121,272	17.58	18.80		18.80	1.22
2005	127,948	18.13	18.80	5.30	24.10	5.97
2006	135,352	19.18	24.10		24.10	4.92
2007	143,176	20.29	24.10		24.10	3.81
2008	151,471	21.47	24.10		24.10	2.63
2009	153,179	21.71	24.10		24.10	2.39
2010	162,707	23.06	24.10	6.50	30.60	7.54
2011	171,453	24.30	30.60		30.60	6.30
2012	178,105	25.24	30.60		30.60	5.36
2013	188,672	26.74	30.60		30.60	3.86
2014	197,195	27.95	30.60		30.60	2.65
2015	204,855	29.03	30.60		30.60	1.57
2016	204,855	29.03	30.60		30.60	1.57
2017	204,855	29.03	30.60		30.60	1.57
2018	204,855	29.03	30.60		30.60	1.57
2019	204,855	29.03	30.60		30.60	1.57
2020	204,855	29.03	30.60		30.60	1.57
2021	204,855	29.03	30.60		30.60	1.57
2022	204,855	29.03	30.60		30.60	1.57
2023	204,855	29.03	30.60		30.60	1.57
2024	204,855	29.03	30.60		30.60	1.57
2025	204,855	29.03	30.60		30.60	1.57

**General Note:**

The Level of Service analysis shown above includes the areas within the Water-Sewer District that are served by the North County Water Reclamation Facility (NCWRF). The NCWRF will be hydraulically connected to allow limited flow transfers between the other plants. The NCWRF and South County Water Reclamation Facility (SCWRF) are currently hydraulically connected to allow limited flow transfers between the two plants.

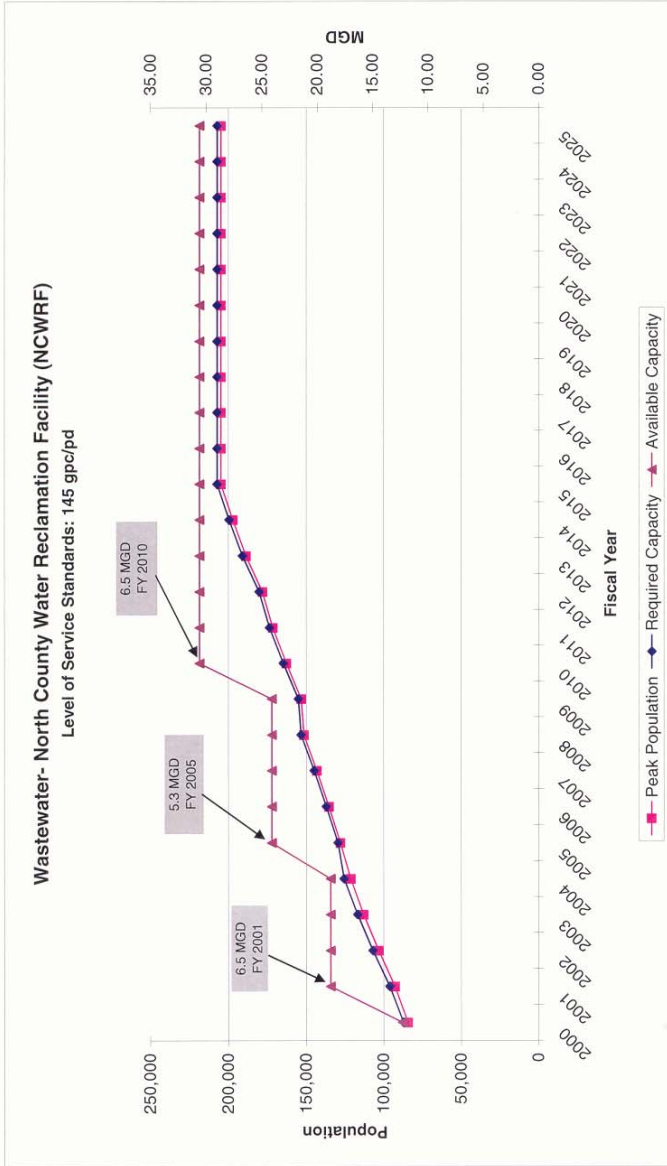
**Notes: (References are to the column numbers above)**

- Fiscal Year Starts October 1 and Ends September 30.
- 2000 - 2025 peak population estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated November 22, 2005, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High through 2015 and the average of BEBR High and BEBR Medium from 2016 through 2025.
- Level of Service Standard (LOSS) is 145 gallons per capita (peak population) per day (gpcd) for the North Service Area based on the adopted 2003 Wastewater Master Plan Update and verified by the Florida Department of Environmental Protection.
- Constructed Capacity On-line is the treatment plant capacity at the beginning of the Fiscal Year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF).
- New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2001	6.5 MGD	Expansion to NCWRF	Completed
2005	-1.2 MGD	Pelican Bay plant removed from service	Completed
2005	6.5 MGD	Expansion to NCWRF	Completed
2010	6.5 MGD	Expansion to NCWRF	Adopted 2003 Wastewater Master Plan Update (FY 2013)

- Total Available Constructed Capacity in MGD (Column 4 + Column 5).
- Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Capacity (Column 3). Target values for planning purposes are 1.0 MGD minimum and 8.0 MGD maximum through FY 2013, when ultimate plant capacity is reached. The target minimum capacities represent the projected increase in the next year's wastewater flow and the target maximum capacities represent the projected increase in wastewater flow for eight years.





Collier County Government  
Public Utilities Engineering Department  
2005 ANNUAL UPDATE INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM LOSS ASSESSMENT  
FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA  
(SEE GENERAL NOTE)**

Greeley and Hansen  
2 10:30 Dec 05

1	2	3	4	5	6	7
Fiscal Year	Peak Population (Seasonal)	Required Capacity @ 100 and 120 gpcd	Constructed Capacity On-line	New Plant Capacity	Total Available Constructed Capacity	Retained/ (Deficit) Constructed Capacity
		MGD	MGD	MGD	MGD	MGD
2000	91,993	9.20	9.30		9.30	0.10
2001	95,845	9.58	9.30		9.30	(0.28)
2002	99,594	9.96	9.30		9.30	(0.66)
2003	103,736	10.37	9.30		9.30	(1.07)
2004	108,193	10.82	9.30	6.80	16.10	5.28
2005	112,512	11.00	16.10		16.10	5.10
2006	116,470	11.38	16.10		16.10	4.72
2007	120,673	11.80	16.10		16.10	4.30
2008	125,153	12.23	16.10		16.10	3.87
2009	129,922	12.70	16.10		16.10	3.40
2010	134,487	13.15	16.10		16.10	2.95
2011	138,817	13.57	16.10		16.10	2.53
2012	145,104	14.22	16.10		16.10	1.88
2013	151,616	14.89	16.10		16.10	1.21
2014	157,964	15.54	16.10		16.10	0.56
2015	156,865	15.33	16.10		16.10	0.77
2016	156,865	15.33	16.10		16.10	0.77
2017	156,865	15.33	16.10		16.10	0.77
2018	156,865	15.33	16.10		16.10	0.77
2019	156,865	15.33	16.10		16.10	0.77
2020	156,865	15.33	16.10		16.10	0.77
2021	156,865	15.33	16.10		16.10	0.77
2022	156,865	15.33	16.10		16.10	0.77
2023	156,865	15.33	16.10		16.10	0.77
2024	156,865	15.33	16.10		16.10	0.77
2025	156,865	15.33	16.10		16.10	0.77

**General Note:**

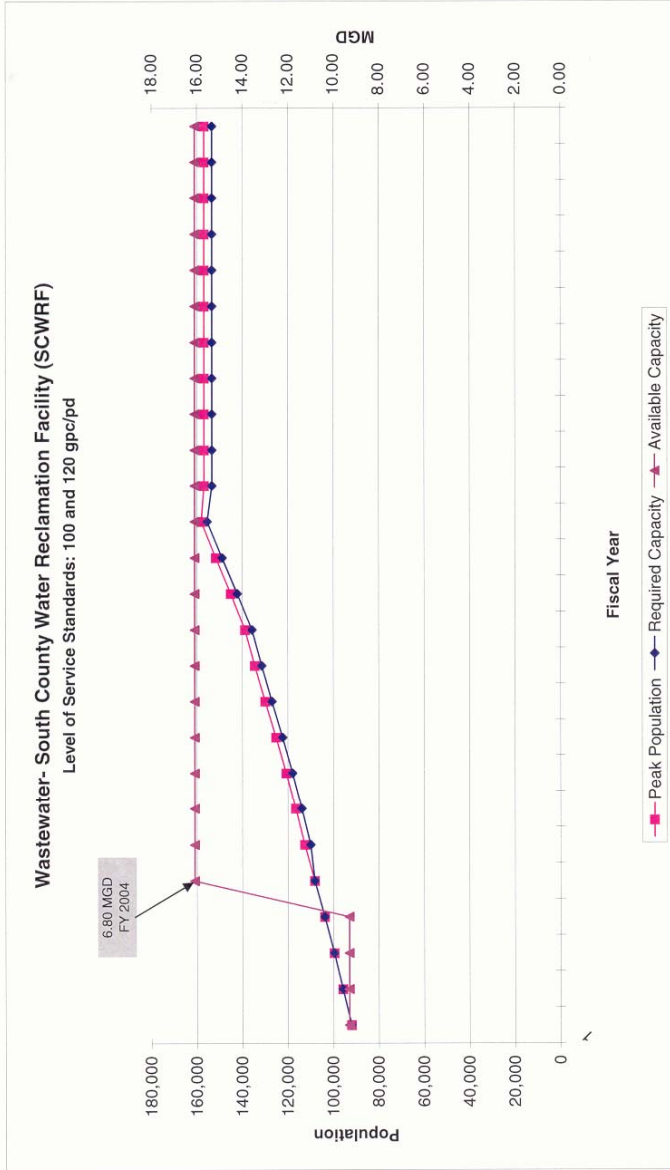
The Level of Service analysis shown above for the South Service Area includes areas within the Water-Sewer District that are served by the existing South County Water Reclamation Facility (SCWRF). The North County Water Reclamation Facility (NCWRF) and SCWRF are currently hydraulically connected to allow limited flow transfers between the two plants.

**Notes: (References are to the column numbers above)**

1. Fiscal Year Starts October 1 and Ends September 30.
2. 2000 - 2025 peak population estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated November 22, 2005, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High through 2015 and the average of BEBR High and BEBR Medium from 2016 through 2025.
3. Level of Service Standard (LOSS) is 100 gallons per capita per day (gpcd) for the South Service Area and 120 gpcd for the Rural Fringe service area based on the adopted 2003 Wastewater Master Plan Update and verified by the Department of Environmental Protection.
4. Constructed Capacity On-line is the treatment plant capacity at the beginning of the Fiscal Year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF).
5. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2004	6.8 MGD	Expansion to SCWRF	Completed

6. Total Available Constructed Capacity in MGD (Column 4 + Column 5).
7. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Capacity (Column 3). The target value for planning purposes is 0.60 MGD minimum through FY 2012, when ultimate plant capacity is reached. The target minimum capacity represents the projected increase in the next year's wastewater flow.



Collier County Government  
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2005 ANNUAL UPDATE INVENTORY REPORT (AUJR)

**WASTEWATER SYSTEM LOSS ASSESSMENT  
FOR PROPOSED SOUTHEAST WATER RECLAMATION FACILITY (SEWRF) SERVICE AREA  
(SEE GENERAL NOTE)**

Greeley and Hansen  
2 10:30 Dec 05

1	2	3	4	5	6	7
Fiscal Year	Peak Population (Seasonal)	Required Capacity @ 100 and 120 gpcd	Constructed Capacity On-line	New Plant Capacity	Total Available Constructed Capacity	Retained/ (Deficit) Constructed Capacity
		MGD	MGD	MGD	MGD	MGD
2000	0	0.00	0.00		0.00	0.00
2001	0	0.00	0.00		0.00	0.00
2002	0	0.00	0.00		0.00	0.00
2003	0	0.00	0.00		0.00	0.00
2004	0	0.00	0.00		0.00	0.00
2005	0	0.00	0.00		0.00	0.00
2006	0	0.00	0.00		0.00	0.00
2007	0	0.00	0.00		0.00	0.00
2008	0	0.00	0.00		0.00	0.00
2009	0	0.00	0.00		0.00	0.00
2010	0	0.00	0.00		0.00	0.00
2011	0	0.00	0.00		0.00	0.00
2012	0	0.00	0.00		0.00	0.00
2013	0	0.00	0.00		0.00	0.00
2014	0	0.00	0.00	4.00	4.00	4.00
2015	6,944	0.81	4.00		4.00	3.19
2016	12,641	1.41	4.00		4.00	2.59
2017	18,499	2.01	4.00		4.00	1.99
2018	24,521	2.63	4.00		4.00	1.37
2019	30,714	3.27	4.00		4.00	0.73
2020	36,738	3.90	4.00	4.00	8.00	4.10
2021	42,583	4.50	8.00		8.00	3.50
2022	48,571	5.12	8.00		8.00	2.88
2023	54,706	5.75	8.00		8.00	2.25
2024	60,995	6.40	8.00		8.00	1.60
2025	67,062	7.03	8.00		8.00	0.97

**General Note:**

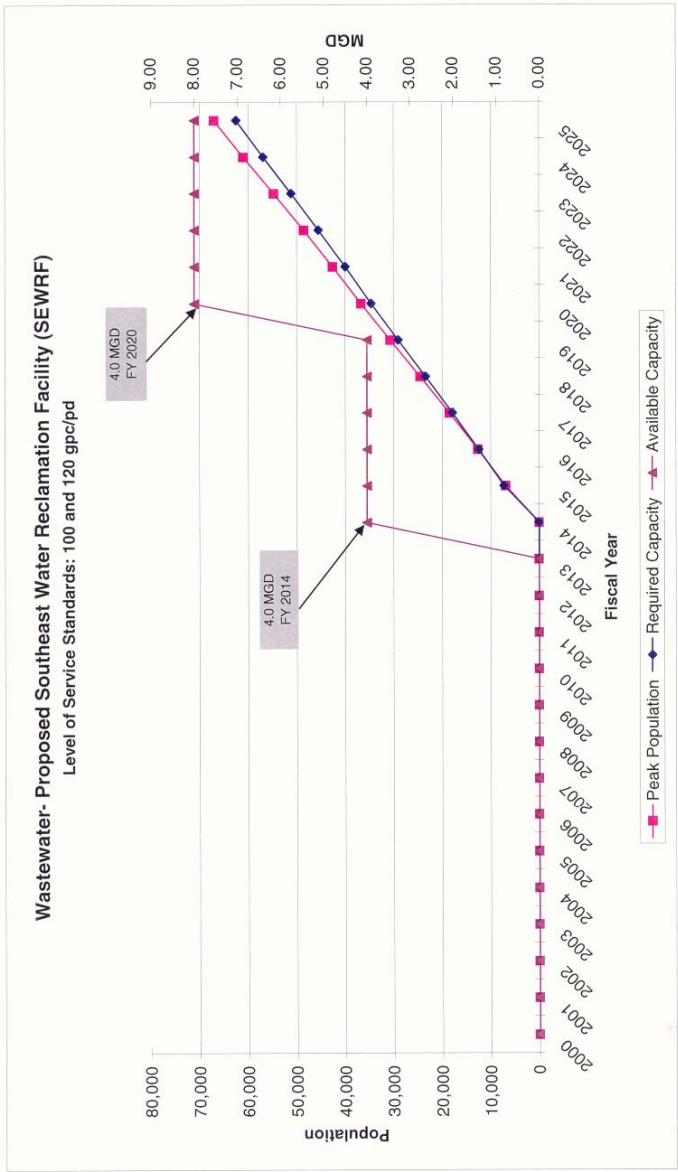
The Level of Service analysis shown above includes areas within the Water-Sewer District that are served by the proposed Southeast County Water Reclamation Facility (SEWRF). The South County Water Reclamation Facility and SEWRF will be hydraulically connected to allow limited flow transfers between the plants.

**Notes: (References are to the column numbers above)**

- Fiscal Year Starts October 1 and Ends September 30.
- 2000 - 2025 peak population estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated November 22, 2005, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR high through 2015 and the average of BEBR high and BEBR Medium from 2016 through 2025.
- Level of Service Standard (LOSS) is 100 gallons per capita per day (gpcd) for the South Service Area and 120 gpcd for the Rural Fringe service area based on the adopted 2003 Wastewater Master Plan Update and verified by the Florida Department of Environmental Protection.
- Constructed Capacity On-line is the treatment plant capacity at the beginning of the Fiscal Year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF).
- New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2014	4.0 MGD	New SEWRF	Adopted 2003 Wastewater Master Plan Update (Increased from 2.0 MGD FY 2015)
2020	4.0 MGD	Expansion to SEWRF	Adopted 2003 Wastewater Master Plan Update (Increased from 2.0 MGD FY 2020)

- Total Available Constructed Capacity in MGD (Column 4 + Column 5).
- Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Capacity (Column 3). Target values for planning purposes are 0.7 MGD minimum and 5.6 MGD maximum through FY 2025. The target minimum capacity represents the projected increase in the next year's wastewater flow and the target maximum capacity represents the projected increase in wastewater flow for eight years.



Collier County Government  
Public Utilities Engineering Department  
2005 ANNUAL UPDATE INVENTORY REPORT (AUJR)

**WASTEWATER SYSTEM LOSS ASSESSMENT  
FOR PROPOSED NORTHEAST WATER RECLAMATION FACILITY (NEWRF) SERVICE AREA  
(SEE GENERAL NOTE)**

Greeley and Hansen  
2 10:30 Dec 05

1 Fiscal Year	2 Peak Population (Seasonal)	3 Required Capacity @ 145 and 120 gpcd		4 Constructed Capacity On- line		5 New Plant Capacity		6 Total Available Constructed Capacity		7 Retained/ (Deficit) Constructed Capacity	
		MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
2000	0	0.00	0.00	0.00				0.00	0.00		0.00
2001	0	0.00	0.00	0.00				0.00	0.00		0.00
2002	0	0.00	0.00	0.00				0.00	0.00		0.00
2003	0	0.00	0.00	0.00				0.00	0.00		0.00
2004	0	0.00	0.00	0.00				0.00	0.00		0.00
2005	0	0.00	0.00	0.00				0.00	0.00		0.00
2006	0	0.00	0.00	0.00				0.00	0.00		0.00
2007	0	0.00	0.00	0.00				0.00	0.00		0.00
2008	0	0.00	0.00	0.00				0.00	0.00		0.00
2009	12,873	1.88	1.67	0.00		4.00		4.00	4.00		2.32
2010	12,957	1.87	1.70	4.00				4.00	4.00		2.33
2011	13,384	1.70	1.70	4.00				4.00	4.00		2.30
2012	25,180	3.13	3.13	4.00		4.00		8.00	8.00		4.87
2013	25,314	3.10	3.10	8.00				8.00	8.00		4.90
2014	27,192	3.32	3.32	8.00				8.00	8.00		4.68
2015	29,007	3.53	3.53	8.00				8.00	8.00		4.47
2016	38,215	4.79	4.79	8.00				8.00	8.00		3.21
2017	47,716	6.09	6.09	8.00				8.00	8.00		1.91
2018	57,518	7.44	7.44	8.00		8.00		16.00	16.00		8.56
2019	67,634	8.83	8.83	16.00				16.00	16.00		7.17
2020	77,441	10.17	10.17	16.00				16.00	16.00		5.83
2021	86,915	11.47	11.47	16.00				16.00	16.00		4.53
2022	96,653	12.81	12.81	16.00				16.00	16.00		3.19
2023	106,667	14.18	14.18	16.00				16.00	16.00		1.82
2024	116,956	15.59	15.59	16.00		4.00		20.00	20.00		4.41
2025	126,840	16.95	16.95	20.00				20.00	20.00		3.05

**General Note:**

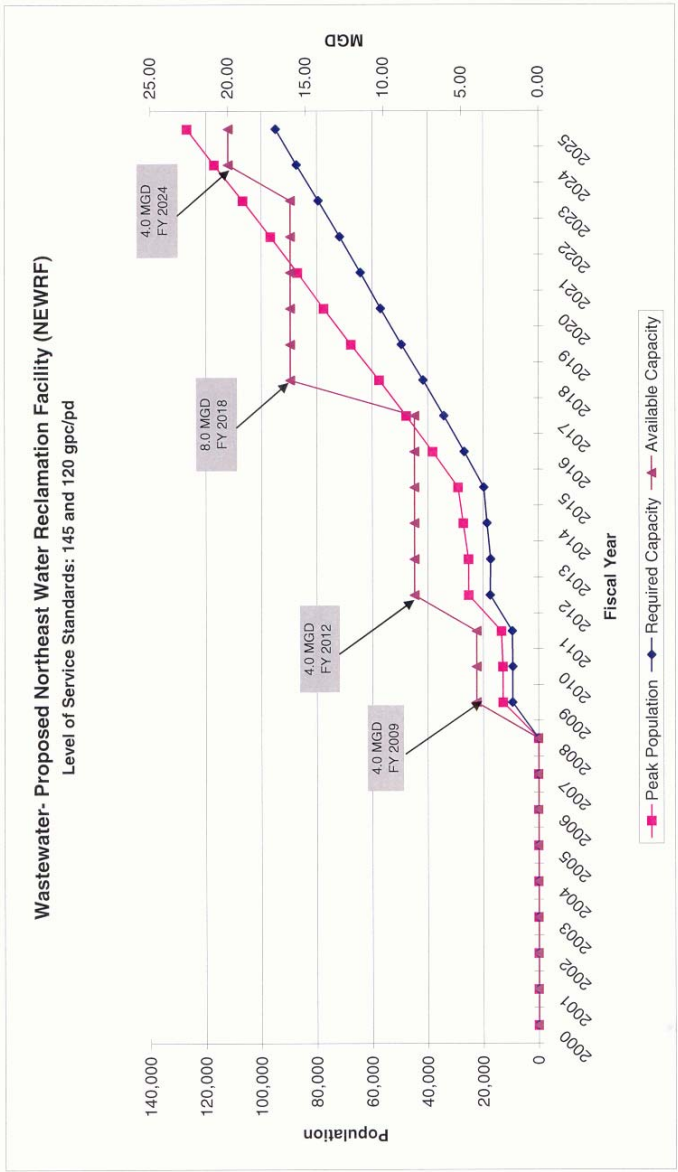
The Level of Service analysis shown above includes areas within the Water-Sewer District that are served by the Northeast County Water Reclamation Facility (NEWRF). The NEWRF will be hydraulically connected to allow limited flow transfers to the North County Water Reclamation Facility.

**Notes: (References are to the column numbers above)**

1. Fiscal Year Starts October 1 and Ends September 30.
2. 2000 - 2025 peak population estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated November 22, 2005, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High through 2015 and the average of BEBR High and BEBR Medium from 2016 through 2025. Orangetree service area is included beginning in FY 2012.
3. Level of Service Standard (LOSS) is 145 gallons per capita (peak population) per day (gpcd) for the North Service Area and 120 gpcd for the Orangetree and Rural Fringe service areas based on the adopted 2003 Wastewater Master Plan Update.
4. Constructed Capacity On-line is the treatment plant capacity at the beginning of the Fiscal Year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF).
5. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2009	4.0 MGD	New NEWRF	Adopted 2003 Wastewater Master Plan Update (Increased from 2.0 MGD FY 2008)
2012	4.0 MGD	Expansion to NEWRF	Adopted 2003 Wastewater Master Plan Update (Increased from 2.0 MGD FY 2012)
2018	8.0 MGD	Expansion to NEWRF	Adopted 2003 Wastewater Master Plan Update (Increased from 2.0 MGD FY 2021)
2024	4.0 MGD	Expansion to NEWRF	Additional facility expansion not included in adopted 2003 Wastewater Master Plan Update

6. Total Available Constructed Capacity in MGD (Column 4 + Column 5).
7. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Capacity (Column 3). Target values for planning purposes are 1.3 MGD minimum and 10.4 MGD maximum through FY 2025. The target minimum capacity represents the projected increase in the next year's wastewater flow and the target maximum capacity represents the projected increase in wastewater flow for eight years.



Collier County Government  
Public Utilities Engineering Department  
2005 ANNUAL UPDATE INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM LOSS ASSESSMENT  
FOR PROPOSED EAST CENTRAL WATER RECLAMATION FACILITY (ECWRF) SERVICE AREA  
(SEE GENERAL NOTE)**

Greeley and Hansen  
2 10:30 Dec 05

1	2	3	4	5	6	7
Fiscal Year	Peak Population (Seasonal)	Required Capacity @ 120 gpcd	Constructed Capacity On-line	New Plant Capacity	Total Available Constructed Capacity	Retained/ (Deficit) Constructed Capacity
		MGD	MGD	MGD	MGD	MGD
2000	0	0.00	0.00		0.00	0.00
2001	0	0.00	0.00		0.00	0.00
2002	0	0.00	0.00		0.00	0.00
2003	0	0.00	0.00		0.00	0.00
2004	0	0.00	0.00		0.00	0.00
2005	0	0.00	0.00		0.00	0.00
2006	0	0.00	0.00		0.00	0.00
2007	0	0.00	0.00		0.00	0.00
2008	0	0.00	0.00		0.00	0.00
2009	0	0.00	0.00		0.00	0.00
2010	0	0.00	0.00		0.00	0.00
2011	0	0.00	0.00		0.00	0.00
2012	599	0.07	0.00	2.00	2.00	1.93
2013	1,199	0.14	2.00		2.00	1.86
2014	1,798	0.21	2.00		2.00	1.79
2015	2,398	0.28	2.00		2.00	1.72
2016	2,997	0.35	2.00		2.00	1.65
2017	3,597	0.42	2.00		2.00	1.58
2018	4,196	0.49	2.00		2.00	1.51
2019	4,796	0.56	2.00		2.00	1.44
2020	5,395	0.63	2.00		2.00	1.37
2021	5,995	0.70	2.00		2.00	1.30
2022	6,594	0.77	2.00		2.00	1.23
2023	7,194	0.84	2.00		2.00	1.16
2024	7,793	0.91	2.00		2.00	1.09
2025	8,393	0.98	2.00		2.00	1.02

**General Note:**

The Level of Service analysis shown above includes areas within the Water-Sewer District that are served by the proposed East Central Water Reclamation Plant (ECWRF). The ECWRF will be hydraulically connected to allow limited flow transfers between the other plants. Due to the minimal wastewater flow projected for this service area throughout the planning period, the need for this water reclamation facility is being further evaluated. **The need for the ECWRF is being evaluated in the 2005 Wastewater Master Plan Update. The ECWRF may be eliminated and replaced by a master pumping station and pretreatment facility tributary to the proposed Northeast Water Reclamation Facility (NEWRF).**

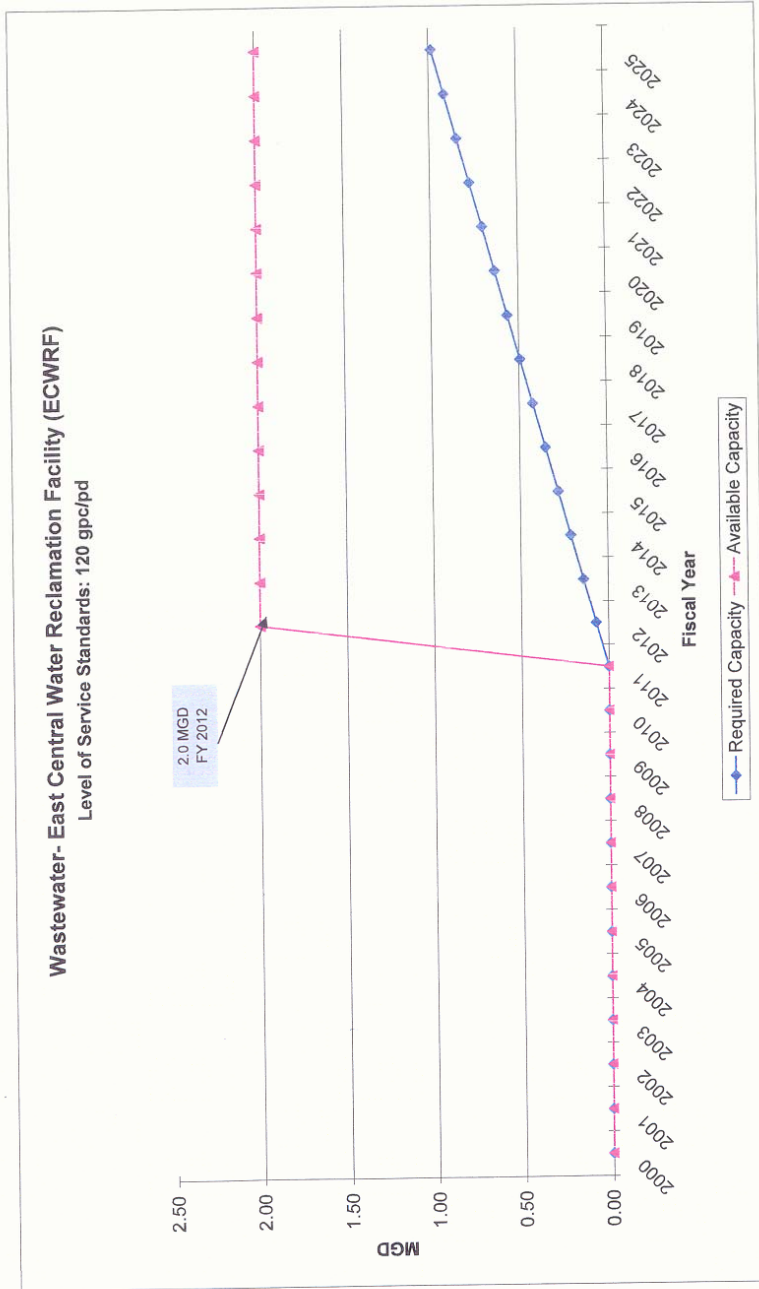
**Notes: (References are to the column numbers above)**

- Fiscal Year Starts October 1 and Ends September 30.
- 2000 - 2025 peak population estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated November 22, 2005, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High through 2015 and the average of BEBR High and BEBR Medium from 2016 through 2025.
- Level of Service Standard (LOSS) is 120 gpcd for the Rural Fringe service area based on the adopted 2003 Wastewater Master Plan Update and verified by the Florida Department of Environmental Protection.
- Constructed Capacity On-line is the treatment plant capacity at the beginning of the Fiscal Year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF).
- New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2012	2.0 MGD	New ECWRF	Adopted 2003 Wastewater Master Plan Update (FY 2012)

- Total Available Constructed Capacity in MGD (Column 4 + Column 5).
- Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Capacity (Column 3). The target value for planning purposes is 0.10 MGD minimum through FY 2025. The target minimum capacity represents the projected increase in the next year's wastewater flow.





2.0 MGD  
FY 2012

# COUNTY SOLID WASTE

## CONTENTS

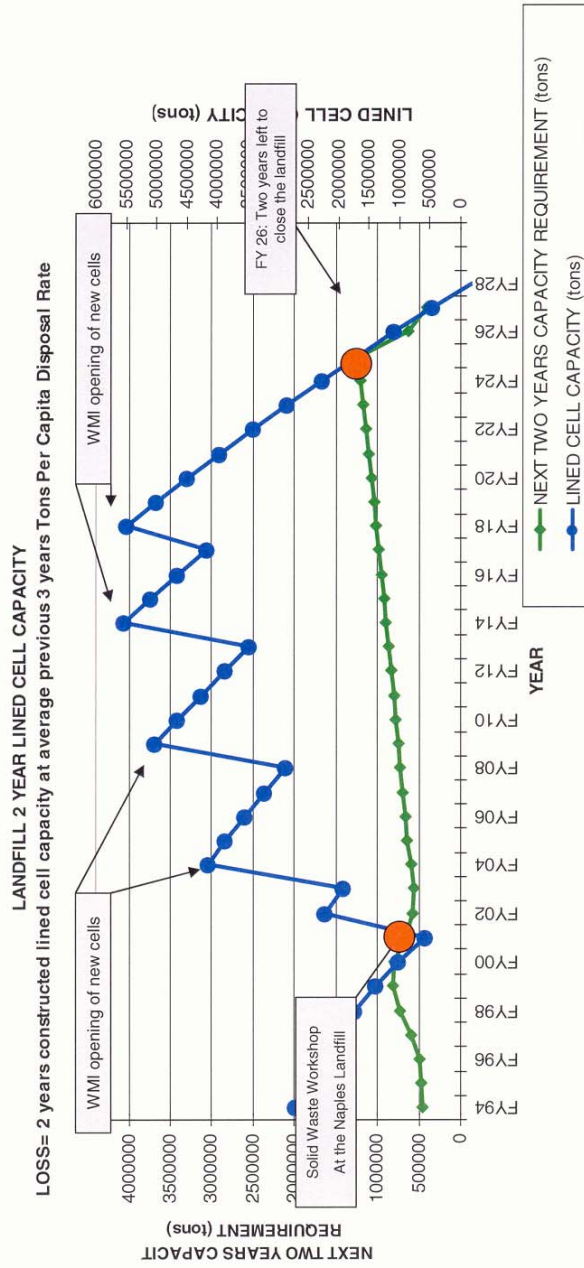
- **LEVEL OF SERVICE STANDARD: 2 YEARS OF LINED CELL CAPACITY REFLECTING THE ISWM STRATEGY; PROPOSED METHODOLOGY OF AVERAGE TONS PER CAPITA DISPOSAL RATE OF THE PREVIOUS 3 YEARS**
- **LANDFILL 2 YEAR LINED CELL CAPACITY (CHART); LOSS=2 YEARS CONSTRUCTED LINED CELL CAPACITY AT AVERAGE PREVIOUS 3 YEARS TONS PER CAPITA DISPOSAL RATE**
- **LEVEL OF SERVICE STANDARD: 10 YEARS OF PERMISSIBLE LANDFILL REFLECTING ISWM STRATEGY; PROPOSED METHODOLOGY OF AVERAGE TONS PER CAPITA DISPOSAL RATE OF THE PREVIOUS 3 YEARS**
- **LANDFILL 10 YEAR PERMITTABLE DISPOSAL CAPACITY (CHART); LOSS=10 YEARS OF PERMITTABLE CAPACITY AT AVERAGE PREVIOUS 3 YEARS TONS PER CAPITA DISPOSAL RATE**

2005 AUIR  
 Collier County Solid Waste Disposal  
 Level Of Service Standard: 2 Years of Lined Cell Capacity  
 Reflecting the ISWM Strategy  
 Weighted Average Tons Per Capita Disposal Rate of the Previous 3 Years

(1) FISCAL YEAR	(2) POPULATION ESTIMATES & PROJECTIONS	(3) TONS PER CAPITA DISPOSAL RATE	(4) ANNUAL TONS BURIED IN LANDFILL	(5) LINED CELL CAPACITY BALANCE (TONS)	(6) NEXT TWO YEARS LINED CELL CAPACITY REQUIREMENT (TONS)	(7) PROJECTED LINED CELL CAPACITY SURPLUS OR DEFICIENCY (TONS)
94	206,598	1.00	206,847	2,703,877	466,705	2,237,172
95	213,511	1.07	228,544	2,475,333	483,564	1,991,769
96	214,440	1.11	238,161	2,237,172	495,319	1,741,853
97	230,415	1.07	245,403	1,991,769	591,307	1,400,462
98	241,295	1.04	249,916	1,741,853	722,790	1,019,063
99	252,221	1.35	341,291	1,400,562	812,010	588,552
00	288,565	1.32	381,499	1,019,063	797,058	222,005
01	302,994	1.42	430,511	588,552	654,956	-66,404
02	318,482	1.15	366,547	2,216,761	580,312	1,636,449
03	334,331	0.86	288,409	1,928,352	566,680	1,361,672
04	349,463	0.84	291,903	4,136,449	587,337	3,549,112
05	364,970	0.75	274,777	3,861,672	639,001	3,222,671
06	381,171	0.82	312,560	3,549,112	667,383	2,881,729
07	398,098	0.82	326,440	3,222,671	696,649	2,526,022
08	415,783	0.82	340,942	2,881,729	725,243	2,156,486
09	433,789	0.82	355,707	5,026,022	752,257	4,273,765
10	450,655	0.82	369,537	4,656,486	779,099	3,877,387
11	466,732	0.82	382,721	4,273,765	806,905	3,466,859
12	483,388	0.82	396,378	3,877,387	835,711	3,041,675
13	500,643	0.82	410,527	3,466,859	864,754	2,602,105
14	518,517	0.82	425,184	5,541,675	893,219	4,648,456
15	536,061	0.82	439,570	5,102,105	921,831	4,180,274
16	553,231	0.82	453,649	4,648,456	951,365	3,697,091
17	570,954	0.82	468,182	4,180,274	981,851	3,198,423
18	589,248	0.82	483,183	5,497,091	1,012,488	4,484,603
19	608,131	0.82	498,668	4,998,423	1,042,426	3,955,996
20	626,610	0.82	513,820	4,484,603	1,072,424	3,412,179
21	644,841	0.82	529,606	3,955,996	1,103,290	2,852,706
22	663,193	0.82	543,818	3,412,179	1,135,049	2,277,131
23	682,282	0.82	559,471	2,852,708	1,166,862	1,685,846
24	701,924	0.82	575,577	2,277,131	1,197,844	1,079,287
25	721,079	0.82	591,285	1,685,846	1,228,789	457,057
26	739,706	0.82	606,559	1,079,287	622,230	457,057
27	758,817	0.82	622,230	457,057	638,308	-181,251
28	778,424	0.82	638,308	-181,251	na	na

- 1 Fiscal year starts October 1 and ends September 30.
- 2 Weighted Average Population. The average of the Permanent Population and the Peak Season Population.
- 3 FY 06 forward is the average Tons Per Capita Disposal Rate of the previous three years.
- 4 FY94 - 05 are actual tonnage amounts buried at the Naples Landfill. FY 06 and forward are derived from Tons Per Capita Disposal Rate multiplied by the Population Estimates & Projections.
- 5 Derived from the previous years Capacity Balance minus Annual Tons Buried in the Landfill.  
 FY02 reflects additional capacity available at the Okeechobee landfill.  
 FY04 reflects the addition of approximately 2,500,000 tons of capacity at the Naples Landfill as a result of new cell construction.  
 FY09 reflects the addition of approximately 2,500,000 tons of capacity at the Naples Landfill as a result of new cell construction.  
 FY14 reflects the addition of approximately 2,500,000 tons of capacity at the Naples Landfill as a result of new cell construction.  
 FY18 reflects the addition of approximately 1,800,000 tons of capacity at the Naples Landfill as a result of final phase of cell construction.
- 6 Derived from the sum of the next 2 years of Annual Tons Buried in the Landfill.
- 7 Derived from the Total Site Capacity minus the Next Two Year Lined Cell Capacity Requirement (Tons).

SWMD 2005 AUIR  
 December 20, 2005



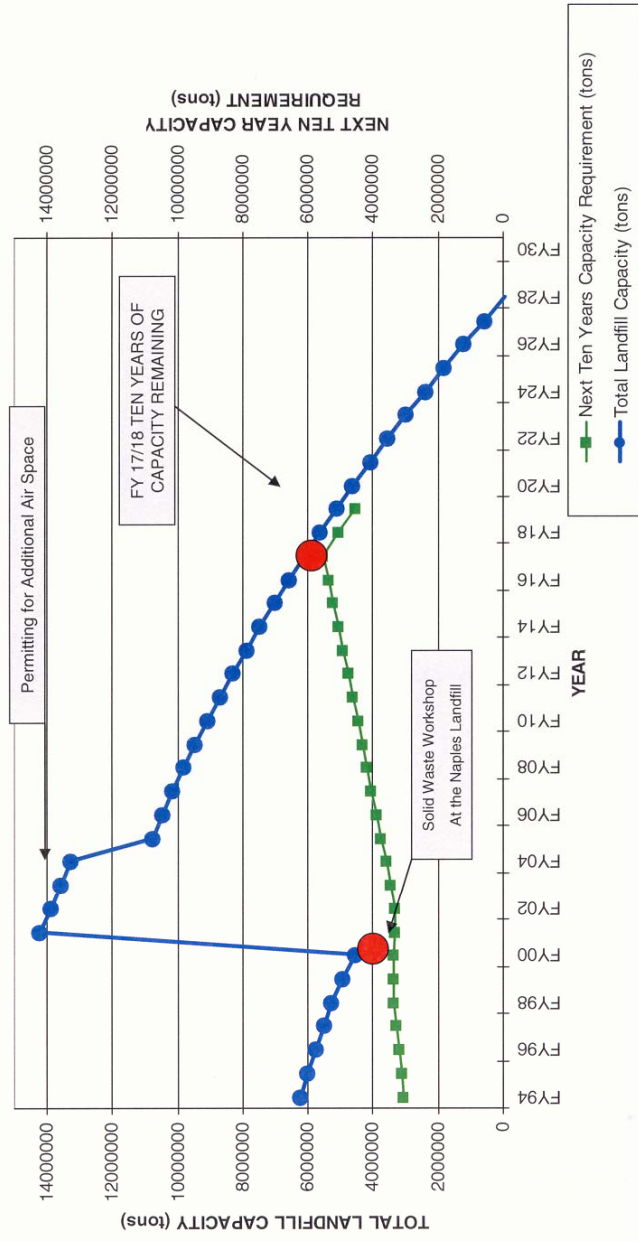
2005 AUIR  
 Collier County Solid Waste Disposal  
 Level Of Service Standard: 10 Years of Permissible Landfill  
 Reflecting the ISWM Strategy  
 Weighted Average Tons Per Capita Disposal Rate of the Previous 3 Years

(1) FISCAL YEAR	(2) POPULATION ESTIMATES & PROJECTIONS	(3) TONS PER CAPITA DISPOSAL RATE *	(4) ANNUAL TONS BURIED IN LANDFILL	(5) TOTAL LANDFILL CAPACITY BALANCE (TONS)	(6) NEXT TEN YEARS LANDFILL CAPACITY REQUIREMENT (TONS)	(7) TEN YEAR LANDFILL CAPACITY SURPLUS OR DEFICIENCY (TONS)
94	206,598	1.00	206,847	6,222,728	3,062,184	3,160,544
95	213,511	1.07	228,544	5,994,184	3,108,417	2,885,767
96	214,440	1.11	238,161	5,756,023	3,182,816	2,573,207
97	230,415	1.07	245,403	5,510,620	3,263,854	2,246,766
98	241,295	1.04	249,916	5,260,704	3,354,880	1,905,824
99	252,221	1.35	341,291	4,919,413	3,369,296	1,550,117
00	288,565	1.32	381,499	4,537,914	3,357,333	1,180,581
01	302,994	1.42	430,511	14,237,403	3,309,543	10,927,860
02	318,482	1.15	366,547	13,870,856	3,339,374	10,531,482
03	334,331	0.86	288,409	13,582,447	3,461,493	10,120,954
04	349,463	0.84	291,903	13,290,544	3,594,774	9,695,770
05	364,970	0.75	274,777	10,781,387	3,759,567	7,021,820
06	381,171	0.82	312,560	10,468,827	3,900,656	6,568,171
07	398,098	0.82	326,440	10,142,386	4,042,397	6,099,989
08	415,783	0.82	340,942	9,801,444	4,184,638	5,616,806
09	433,789	0.82	355,707	9,445,737	4,327,599	5,118,138
10	450,655	0.82	369,537	9,076,201	4,471,882	4,604,318
11	466,732	0.82	382,721	8,693,480	4,617,767	4,075,713
12	483,388	0.82	396,378	8,297,102	4,765,207	3,531,894
13	500,643	0.82	410,527	7,886,574	4,914,152	2,972,423
14	518,517	0.82	425,184	7,461,390	5,064,545	2,396,846
15	536,061	0.82	439,570	7,021,820	5,216,259	1,805,561
16	553,231	0.82	453,649	6,568,171	5,369,169	1,199,002
17	570,954	0.82	468,182	6,099,989	5,523,217	576,772
18	589,248	0.82	483,183	5,616,806	5,040,034	576,772
19	608,131	0.82	498,668	5,118,138	4,541,366	576,772
20	626,610	0.82	513,820	4,604,318	n/a	n/a
21	644,641	0.82	528,605	4,075,713	n/a	n/a
22	663,193	0.82	543,818	3,531,894	n/a	n/a
23	682,282	0.82	559,471	2,972,423	n/a	n/a
24	701,924	0.82	575,577	2,396,846	n/a	n/a
25	721,079	0.82	591,285	1,805,561	n/a	n/a
26	739,706	0.82	606,559	1,199,002	n/a	n/a
27	758,817	0.82	622,230	576,772	n/a	n/a
28	778,424	0.82	638,308	-61,536	n/a	n/a

\* FY94 - 05 are actual numbers. FY06 - 29 are projected numbers.

- 1 Fiscal year starts October 1 and ends September 30.
- 2 Weighted Average Population. The average of the Permanent Population and the Peak Season Population.
- 3 FY 06 forward is the average Tons Per Capita Disposal Rate of the previous three years.
- 4 FY94 - 05 are actual tonnage amounts. FY 06 and forward are derived from Tons Per Capita Disposal Rate multiplied by the Population Estimates & Projections.
- 5 The FY01 figure reflects the additional airspace capacity gained by the Second Amendment to the Landfill Operations Agreement. FY05 reflects the adjustment to actual airspace capacity in Cell 6.
- 6 Derived from the sum of the next 10 years of Annual Tons Buried in the Landfill.
- 7 Derived from the Total Site Capacity minus Ten Year Tons.

**LANDFILL 10 YEAR PERMITTABLE DISPOSAL CAPACITY**  
**LOSS=10 Years of permittable capacity at average previous 3 years Per Capita Disposal Rate**



# COUNTY RECREATION FACILITIES AND PARKS

## CONTENTS

### SUMMARY FORM.....RECREATION FACILITIES

- PARKS CAPITAL FACILITIES WITH LOSS OF \$270/CAPITA USING WEIGHTED POPULATION PROJECTIONS
- PARK FACILITIES LOSS:\$270/CAPITA (CHART)

### SUMMARY FORM.....COMMUNITY PARK LAND

- COMMUNITY PARK ACRES WITH LOSS OF 1.2882 ACRES OF PARK LAND/1000 POPULATION USING WEIGHTED POPULATION PROJECTIONS
- COMMUNITY PARK ACRES WITH LOSS OF 1.2882 ACRES OF PARK LAND/1000 POPULATION (CHART)

### SUMMARY FORM.....REGIONAL PARK LAND

- REGIONAL PARK LAND WITH LOSS OF 2.9412 ACRES/1000 POPULATION USING WEIGHTED POPULATION PROJECTIONS
- REGIONAL PARK ACRES WITH LOSS OF 2.9412 ACRES/1000 POPULATION (CHART)

### FIVE YEAR CAPITAL IMPROVEMENT PLAN

### FIVE YEAR PROPOSED PARKS LAND ACQUISITION SUMMARY

### INVENTORY OF EXISTING PARK FACILITIES

## 2005 AUIR FACILITY SUMMARY FORM

**Facility Type:** *Recreation Facilities* (Category A)

**Level of Service Standard (LOSS):** \$270/capita inventory( Weighted Population Calculations)

**Unit Cost:** Variable

	<u>Capital Facilities</u>
<b>Available Inventory 9/30/05:</b>	<b>\$93,701,900</b>

**Weighted Population Calculations**

Required Inventory 9/30/10:	\$121,676,850*
Proposed CIE FY06-10:	\$25,150,000**
5-year Surplus or (Deficit):	(\$2,824,950)

Using the weighted population method, the following is set forth:

**Expenditures**

Proposed CIE FY06-10 expenditure dollar amount.....	\$25,150,000
Debt Service Payment (Vanderbilt Garage)	\$5,617,500
Debt Service Payments (existing bonds and loans).....	<u>\$15,229,700</u>
Total Expenditures.....	\$45,997,200

**Revenues**

Impact Fees for existing debt service (bonds and loans).....	\$15,229,700***
Tourist Development Funds (Vanderbilt Garage)	\$5,617,500
Impact Fees anticipated for CIE.....	\$21,750,000
AdValorem (refurbishments).....	<u>\$3,400,000</u>
Total Revenues.....	\$45,997,200

Additional Revenues Required or Level of Service Standard Reduction.....none required for this element of the Parks and Recreation proposed CIE.

**Recommended Action**

That the BCC direct staff to include the “Proposed CIE 06-10” projects listed on page 53 in the next Annual CIE Update and Amendment and that the BCC accept the weighted population calculations as the means of determining concurrency with the LOSS of \$270/capita for capital improvements for recreational facilities.

\*The required inventory, expressed in current dollars, does not attempt to predict future possible increases in land, building and equipment costs.

\*\* This figure includes \$25,150,000 in new facilities, but excludes \$3,400,000 in replacement costs as outlined in the following FY06-10 Capital Improvement Plan.

\*\*\*Impact fees planned to be increased in 2006.



**2005 AUIR  
Parks Capital Facilities  
LOSS: \$270/Capita**

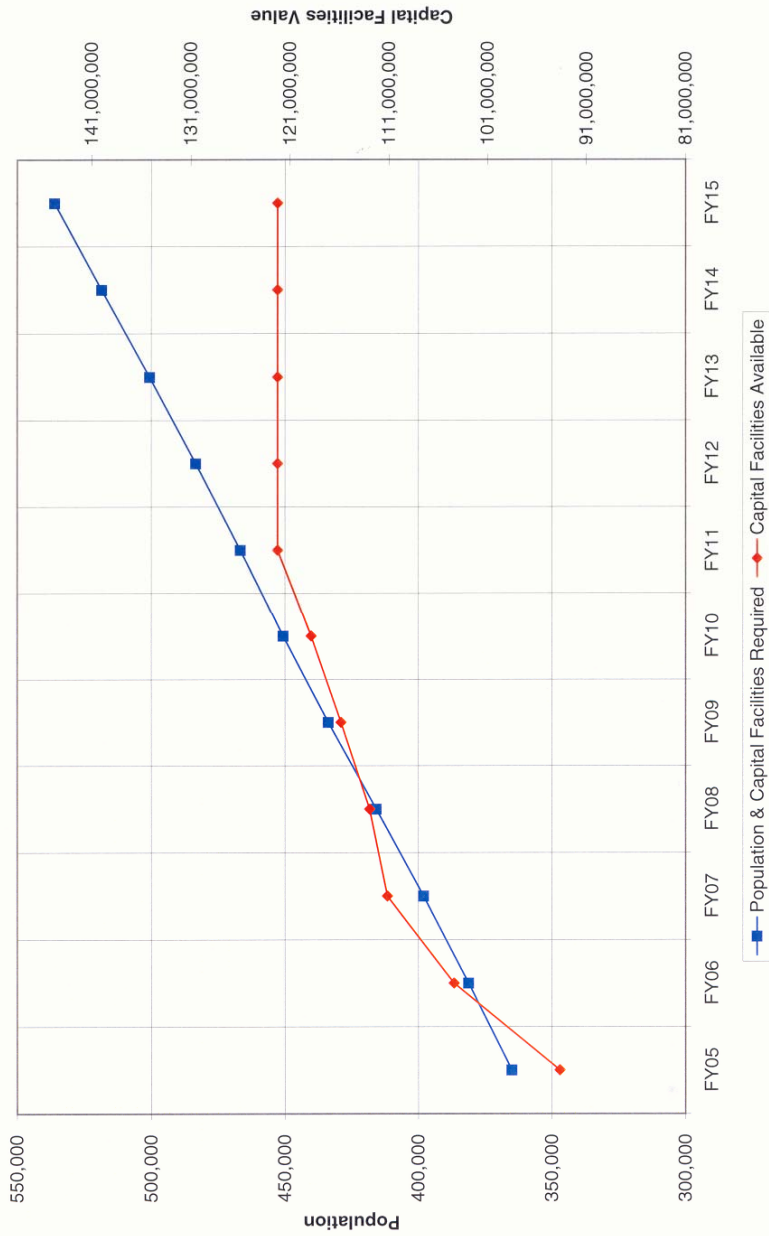
Year	Population	Capital Required	Facilities Planned	Facilities Available	Surplus/Deficiency	Value/Capita
2004-05	364,970	98,541,900	400000	93,701,900	171	257
2005-06	381,171	102,916,170	10700000	104,401,900	1,485,730	274
2006-07	398,098	107,486,460	6750000	111,151,900	3,665,440	279
2007-08	415,783	112,261,410	1800000	112,951,900	690,490	272
2008-09	433,789	117,123,030	2900000	115,851,900	(1,271,130)	267
2009-10	450,655	121,676,850	3000000	118,851,900	(2,824,950)	264
2010-11	466,732	126,017,840	3400000	122,251,900	(3,765,740)	262
2011-12	483,388	130,514,760		122,251,900	(8,262,860)	253
2012-13	500,643	135,173,610		122,251,900	(12,921,710)	244
2013-14	518,517	139,999,590		122,251,900	(17,747,690)	236
2014-15	536,061	144,736,470		122,251,900	(22,484,570)	228

TIME PERIOD	POPULATION (Weighted)	CAPITAL FAC. REQUIRED AT \$270/CAP.	FACILITIES PLANNED IN CIE	FACILITIES AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT CAPITA
PRESENT TO 9/30/2006	364,970	102,916,170	10,700,000	104,401,900	1,485,730	274
5 YEAR GROWTH 10/1/05-9/30/10	85,685	18,760,680				
5-YEAR SUBTOTAL 10/1/05-9/30/10	450,655	121,676,850	25,150,000	118,851,900	(2,824,950)	264
2ND 5-YR GROWTH 10/1/10-9/30/15	85,406	23,059,620				
10 YEAR TOTAL 10/1/05-9/30/15	536,061	144,736,470	28,550,000	122,251,900	(22,484,570)	228

**NOTES:**

Planned capital facilities listed in above table does not include \$3,400,000 in refurbishment costs which must be funded with AdValorem revenues; LOSS increased from \$240/capita to \$270/capita using Engineering News Record constr. cost increase data

2005 AUJR Parks Capital Facilities, LOSS: \$270 per Capita



**2005 AUIR FACILITY SUMMARY FORM**

**Facility Type:** *Community Park Land* (Category A)

**Level of Service Standard:** 1.2882 acres per 1000 population in the unincorporated area

**Unit Cost:** \$200,000/acre\*

	<u>Acres</u>	<u>Value/Cost</u>
<b>Available Inventory 9/30/05</b>	<b>453.1</b>	<b>\$90,620,000</b>
 <b><u>Weighted Population Calculations</u></b>		
Required Inventory 9/30/10:	535.6	\$107,120,000
Proposed CIE FY06-10:	83.0	\$16,600,000
5-year Surplus or (Deficit)	0.5	\$100,000

Using the weighted population method, the following is set forth:

Expenditures

Proposed CIE FY 06-10 expenditure dollar amount.....	\$16,600,000
Debt service (accounted for in "Park Facilities Section").....	\$0
Total Expenditures.....	\$16,600,000

Revenues

Impact Fees anticipated for CIE.....	\$12,808,031**
Airport Park dedication (7 acres of county owned land).....	\$1,400,000
Other Revenues.....	\$0
Total Revenues.....	\$14,208,031

Additional Revenues Required or Level of Service Standard Reduction.....	\$2,391,969**
TOTAL.....	\$16,600,000

\* Updated to \$200,000/acre based upon the park impact study recently completed (\$87,000/acre used the past few years).

\*\*Impact fees, if adopted by the BCC in 2006, will provide significant additional revenues to fund park land acquisition

Recommended Action:

That the BCC direct staff to include "Proposed CIE FY06-10" projects listed on page 54 in the next Annual CIE Update and Amendment to eliminate the pending deficit in FY08-09.

The Planning Commission recommendation: (1) That the proposed CIE for FY 2006-2010 land acquisition be reduced from 187.0 acres to 82.4 acres and reduce the estimated acquisition cost from \$37,400,000 to \$16,480,000; (2) That the 5-year surplus be changed to 0 acres at no cost and; (3) That the accuracy of the \$200,000/acre estimated land cost be validated as part of the upcoming BCC impact fee adoption public hearing which will take place in Spring, 2006.

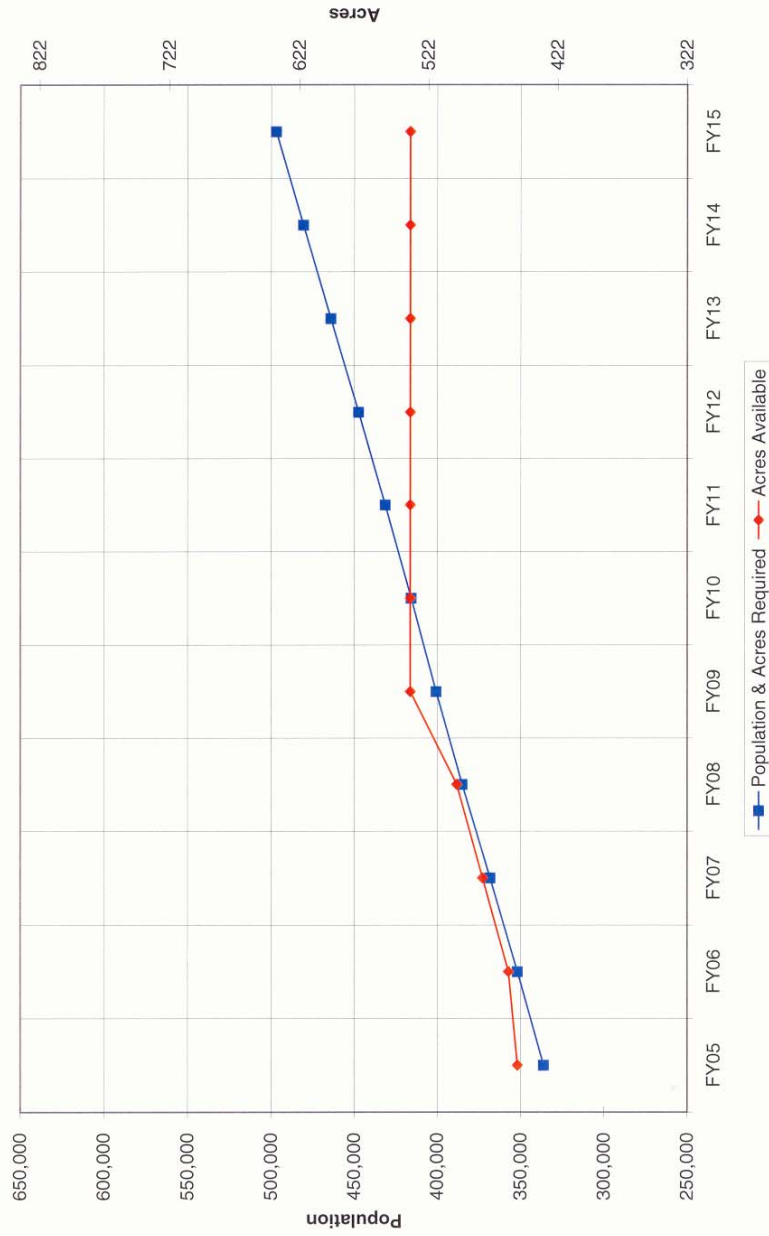
2005 AJIR  
Community Park Acres  
LOSS: 1.2882 Acres/1000 Population

FISCAL YEAR	POPULATION CO-WIDE (Weighted)	PARK ACRES REQUIRED 0.0012882	PARK ACRES PLANNED IN CIE	PARK ACRES AVAILABLE	SURPLUS/ (DEFICIENCY)	REQUIRED \$COST AT \$200,000	TOTAL/VALUE AVAILABLE \$200,000
2004-05	336,194	433.1	0	453.1	20.0	86,620,000	90,620,000
2005-06	351,844	453.2	7	460.1	6.9	90,640,000	92,020,000
2006-07	368,248	474.4	20	480.1	5.7	94,880,000	96,020,000
2007-08	384,993	495.9	20	500.1	4.2	99,180,000	100,020,000
2008-09	400,716	516.2	36	536.1	19.9	103,240,000	107,220,000
2009-10	415,752	535.6		536.1	0.5	107,120,000	107,220,000
2010-11	431,339	555.7		536.1	(19.6)	111,140,000	107,220,000
2011-12	447,496	576.5		536.1	(40.4)	115,300,000	107,220,000
2012-13	464,245	598.0		536.1	(61.9)	119,600,000	107,220,000
2013-14	480,690	619.2		536.1	(83.1)	123,840,000	107,220,000
2014-15	497,041	640.3		536.1	(104.2)	128,060,000	107,220,000

TIME PERIOD	POPULATION (Weighted)	PARK ACRES REQUIRED 0.0013/CAPITA	PARK ACRES PLANNED IN CIE	PARK ACRES AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT \$200,000
PRESENT TO 9/30/2006	336,194	433.1	7.0	460.1	6.9	92,020,000
5 YEAR GROWTH 10/1/05-9/30/10	79,558	102.5	76.0			
5-YEAR SUBTOTAL 10/1/05-9/30/10	415,752	535.6	83.0	536.1	0.5	107,220,000
2ND 5-YR GROWTH 10/1/10-9/30/15	81,289	104.7	0.0			
10 YEAR TOTAL 10/1/05-9/30/15	497,041	640.3	83.0	536.1	(104.2)	107,220,000

NOTE: The county unincorporated area weighted population projections were used for Community Parks and calculated as follows:  
County-wider peak population X 0.882 X 0.33 with the value added to the result of the unincorporated permanent population X 0.67

2005 AUJR Community Park Acres, LOSS: 1.2882 Acres / 1,000 Population



**2005 AUIR FACILITY SUMMARY FORM**

**Facility Type:** *Regional Park land* (Category A)  
**Level of Service Standard:** 2.9412 acres per 1000 population  
**Unit Cost:** \$200,000/Acre\*

	<u>Acres</u>	<u>Value/Cost</u>
<b>Available Inventory 9/30/05:</b>	<b>993.9</b>	<b>\$198,780,000</b>

**Weighted Population Calculations**

Required Inventory 9/30/10:	1,325.5	\$265,100,000
Proposed CIE FY06-10:	837.75	\$167,560,000
5-year Surplus or (Deficit):	457.1	\$91,420,000

\* Updated to \$200,000/acre based upon impact study recently completed (\$87,000/acre used in the past few years).

Using the weighted population method, the following is set forth:

Expenditures

Proposed CIE FY 06-10 expenditure dollar amount.....	\$167,560,000
Debt Service (accounted for in Park Facilities and Community Park sections).....	\$0
Total Expenditures.....	\$167,560,000

Revenues

Impact Fees anticipated for the CIE.....	\$2,560,000
Ad VaLorem Taxes....129-acre Carribean Zoo.....	\$25,800,000
County-owned 54-acre Fairgrounds.....	\$10,800,000
Dedication by SFWMD of 640-acres.....	\$128,000,000
TDC Funds for 1.25-acre Wiggins Pass.....	\$400,000
<b>TOTAL</b>	<b>\$167,560,000</b>

Additional Revenue Required or Level of Service Standard Reduction.....	.00000
<b>TOTAL.....</b>	<b>\$167,560,000</b>

**Recommended Action:**

That the BCC direct staff to include “Proposed CIE FY06-10” projects on page 54 in the next CIE Update and Amendment.

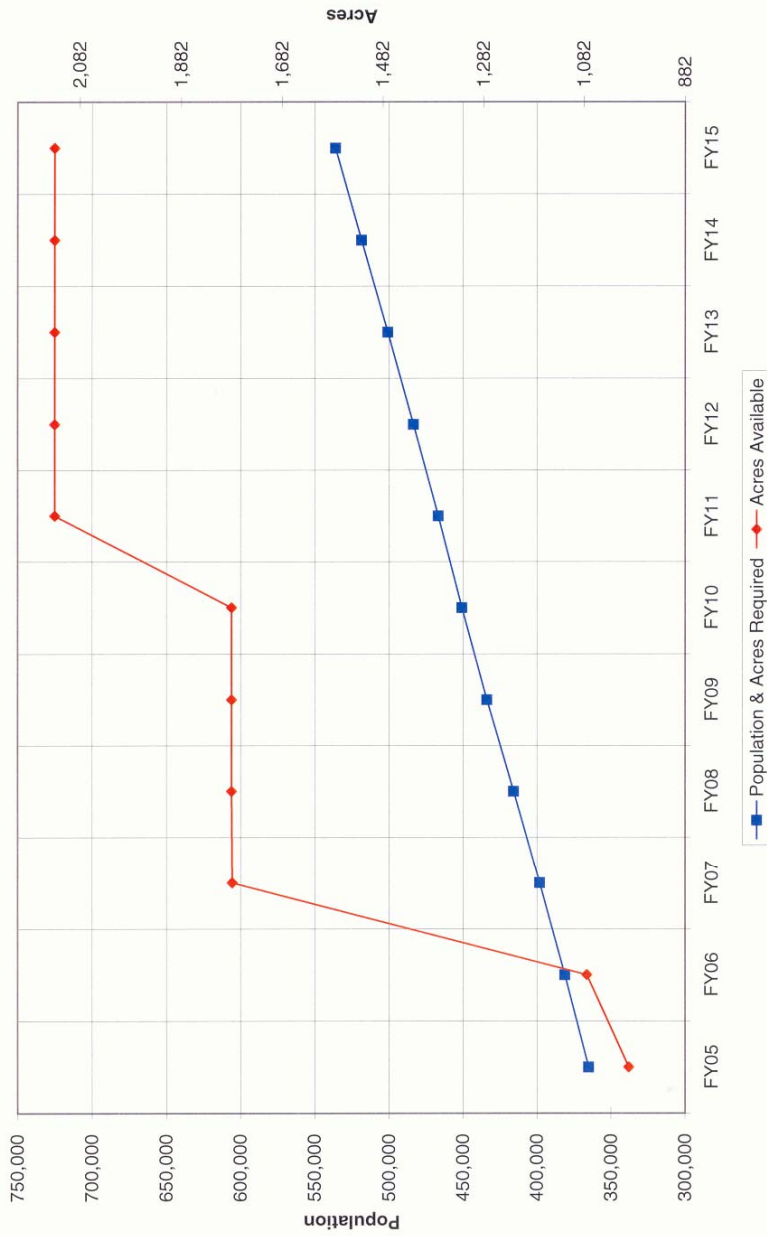
The Planning Commission recommendation: That the accuracy of the \$200,000/acre estimated land cost be validated as part of the upcoming BCC impact fee adoption public hearing proposed for Spring, 2006.

2005 AUJR  
Regional Park Land  
LOSS: 2,9412 Acres/1000 Population

TIME PERIOD	POPULATION (Weighted)	PARK ACRES REQUIRED 0.0029/CAPITA	PARK ACRES PLANNED IN CIE	PARK ACRES AVAILABLE	SURPLUS/ (DEFICIENCY)	REQUIRED \$COST AT 200,000	VALUE OR (COST) AT \$200,000
2004-05	364,970	1,073.4	90.75	993.9	(79.5)	214,689,953	198,780,000
2005-06	381,171	1,121.1	132.25	1,077.1	(44.0)	224,220,000	215,420,000
2006-07	398,098	1,170.9	704.50	1,781.6	610.7	234,180,000	356,320,000
2007-08	415,783	1,222.9	1.00	1,782.6	559.7	244,580,000	356,520,000
2008-09	433,789	1,275.9		1,782.6	506.7	255,180,000	356,520,000
2009-10	450,655	1,325.5		1,782.6	457.1	265,100,000	356,520,000
2010-11	466,732	1,372.8	350.00	2,132.6	759.8	274,560,000	426,520,000
2011-12	483,388	1,421.7		2,132.6	710.9	284,340,000	426,520,000
2012-13	500,643	1,472.5		2,132.6	660.1	294,500,000	426,520,000
2013-14	518,517	1,525.1		2,132.6	607.5	305,020,000	426,520,000
2014-15	536,061	1,576.7		2,132.6	555.9	315,340,000	426,520,000
PRESENT TO 9/30/2006	364,970	1,121.1	132.25	1,077.1	(44.0)	224,220,000	215,420,000
5 YEAR GROWTH 10/1/05-9/30/10	85,685	204.4	1,055.50				
5-YEAR SUBTOTAL 10/1/05-9/30/10	450,655	1,325.5	837.75	2,132.6	457.1	274,560,000	356,520,000
2ND 5-YR GROWTH 10/1/10-9/30/15	85,406	251.2	350.00				
10 YEAR TOTAL 10/1/05-9/30/15	536,061	1,576.7	1,187.75	2,132.6	555.9	315,340,000	426,520,000

NOTES:  
FY 04-05 3rd floor expansion to Naples facility

2005 AUJR Regional Park Land, LOSS: 2.9412 Acres / 1,000 Population





PARKS AND RECREATION

Five Year Capital Facilities Improvement Plan

PROJECT	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	Total	COMMENTS	Time Frame
GG Comm Center		3,200,000									3,200,000	Improvements 01-02	10/02-09/06
NN Regional Park		30,000,000									30,000,000	Park facilities	
Oscola	801,400										801,400	Upgrade Little League,	10/08-09/10
Shell Island Road								400,000			400,000	Ramp Improvements	4/02-09/10
Manatee		160,000				2,000,000			1,000,000		3,160,000	Phase in of community park	02/03-05/06
Eagle Lake		400,000									400,000	Water play, Sidewalk and Landscap	10/07-09/08
Elementary School							500,000				500,000	Upgrade fields 10 acres	10/07-09/12
Orange Tree Park							500,000	2,000,000		2,400,000	4,900,000	Park development	
Airport Park-Imm											0		
Suggden						750,000					750,000	restroom, shelter, enhanced parkin	10/06-09/08
Goodland-Marmood					300,000	500,000					800,000	building	10/06-09/08
Goodland Boat Park					900,000	2,000,000	300,000	500,000			1,700,000	phase in of community park	10/05-09/10
N Gulfshore - 12 spaces											2,900,000	Phase 1	10/05-01/09
Sabal Palm											39,000		
Golden Gate Estates				400,000							400,000	2 soccer/ little league/ basketball	10/09-09/12
East Naples Comm Pk					750,000						750,000	phase 1 of community park	1/03-09/06
Caxambais Park					100,000						100,000	new dock	10/06-09/08
Keewaydin Boat Shuttle						1,000,000					1,000,000	install dock	10/06-09/09
Vandy Inn Beach Access					8,000,000						8,000,000		10/05-09/07
Vandy Parking Garage					10,050,000	6,750,000	1,300,000	2,900,000	2,000,000	2,400,000	60,402,300		5/04-01/06
TOTAL	840,400	33,760,000	0	400,000	10,050,000	6,750,000	1,300,000	2,900,000	2,000,000	2,400,000	60,402,300		

REFURBISHMENTS	2005-06	2006-07	2007-08	2008-09	2009-10
General Improvements	250,000	500,000	500,000	500,000	500,000
Playground Replacements	150,000	100,000	100,000	100,000	100,000
Golden Gate Community Park	100,000				
Immokalee Airport Park	500,000	600,000	500,000	600,000	600,000
TOTAL	1,000,000	1,100,000	1,100,000	1,100,000	1,100,000

VTCP and South Park in 06  
50K-pavilion, 50K ball field fences

10/21/2005

**FY 02-11 PROPOSED  
PARKS LAND ACQUISITION SUMMARY**

**COMMUNITY PARK LAND**

**REGIONAL PARK LAND**

**Starting acres 459.6 (9/30/02)**

**Starting acres 1,045.1 (9/30/02)**

02-03

9.5 Acres – Sable Palm Elementary

02-03

0

03-04

(9) Randall to Transportation storm water removed  
(7) Golden Gate Pathway to GGHS (turtle habitat)

03-04

(142 Acres) – Jane’s Scenic Drive

04-05

0

04-05

.8 Acres – Bayview (9 lots)  
90 Acres Paul PUD Lake

05-06

7 Acres Airport Park Immokalee\*

05-06

.25 Acre – Vanderbilt Gulfshore Drive  
3 Acres – Margood Property  
129 Acres – Caribbean Zoo

06-07

20 acres TBD

06-07

1.5 Acres – Bayview  
9 Acres Rookery bay at 951/Isle of Capri  
54 Fairgrounds\*  
640 Acres SFWMD \*\*\*

07-08

20 acres TBD

07-08

1 Acre – Wiggins Pass\*\*

08-09

36 acres TBD

08-09

0

09-10

0

09-10

0

10-11

0

10-11

350 Acres TBD

11-12

11-12

0

\*Currently owned by the County and to be turned over to Parks and Recreation for park land

\*\*To be funded with TDC funds

\*\*\*To be provided to the county without charge. Currently unresolved environmental issues remain with the transfer.

# 2005 PARKS AND PARK FACILITIES.....EXISTING INVENTORY

District	Location	Type	Acreage	Boat Parking Spaces	Amphitheater	Baseball Fields	Basketball Courts	Bike Trails	Boat Ramps	Playgrounds	Community Center	Community Park Acres	Swimming Pool	Football Soccer	Jogging Trails	Picnic Pavilions	Racquetball Courts	Multipurpose Center	Regional Park Acres	Shuffleboard Courts	Softball Fields	Tennis Courts	Roller Hockey	Skate Park	Little League Fields	Neighbor Park Acreage	
Marco	Caxambas Park	Regional	4.2																4.2								
	951 Boat Ramp	Regional	0.5					2	2										0.5								
	Tigraill Beach	Regional	31.6	210						1									31.6								
	South Marco	Regional	5	70															5								
	Goodland	Regional	5																5								
North Naples	Ives Calpi	Neighbor	0.15																							0.15	
	Manatee Park	Community	46			1	2																				
South Naples	Francis	Neighbor	0.5																								
	Pelican Bay	Community	15									15														0.5	
North Naples	Cocohatchee	Regional	7.2						4																		
	Naples Pk Elem	School	5																								
	Barefoot Access	Regional	5	100																							
	Barefoot Preserve	Regional	159.6	259																159.6							
	State Bch Barefoot	Regional	186																	186							
	Clam Pass	Regional	35	175																35							
	N. Gulfshore	Regional	0.5	38																0.5							
	Vanderbilt Beach	Regional	5	385																5							
	Conner Park	Neighbor	5	60																5							
	RX Neighbor Park	Neighbor	0.4																								0.4
	Napoli School	Community	3.2										3.2														
	Waterside Park	Regional	3.2																								
	Waterside CP	Community	35.2										35.2														
	Willoughby Park	Neighbor	1.2																								
	Golden Gate	Golden Gate CP	Community	35				2					35														
Aaron Lutz		Neighbor	3.2																								
Coconut Circle		Neighbor	1.2																								
GG Comm Ctr		Community	14																								
Palm Springs		Neighbor	6.7																								
Rita Eaton Park		Neighbor	4.8																								
Lucerne		Community	7																								
Golden Gate Pathway		Community	3																								
East Naples		Community	47																								
East Naples CP		Community	120																								
Suburban Park	Regional	120																									
Guilfoyle Park	Community	5																									
East Naples Tot Lot	Neighbor	0.3																									
(25 added)	Bayview	Regional	4.95						2										4.95								
South Naples	Manatee	Community	60																								
	Manatee	Community	60																								
	Copeland (lease)	Neighbor	0.5																							0.5	

2/16/2006

District	Location	Type	Acreage	Boch Parking Spaces	Amphitheater	Baseball Fields	Baseball Courts	Bike Trails	Boat Ramps	Playgrounds	Community Center	Community Park Acres	Swimming Pool	Football Soccer	Jogging Trails	Picnic Pavilions	Racquetball Courts	Shuffleboard Courts	Sofball Fields	Tennis Courts	Poller Hockey	Skate Park	Little League Fields	Neighbor Park Acreage		
1-1420	James Scenic Drive	Regional	0																							
Immaculate	Immaculate CP	Community	23																							
	Immaculate Cplx	Community	14																							
	Airport Park	Community	18																							
	Immaculate School	School	19																							
	So. Immaculate Park	Neighbor	3.2																							
	Lake Trafalord	Regional	2.3																							
	Pinocrest	School	0.5																							
	Tony Rosbaugh Pk	Community	7																							
	Oli Well Park	Neighbor	5.5																							
Urban Estates	Max Hasse	Community	20																							
	Orange Tree	Community	47																							
	Orange Tree	Regional	90																							
90 added	Conkscrew	Community	16.9																							
	Urnigston Woods	Neighbor	620																							
	Urnigston Extension	Regional	120																							
	Sabal Farm	Community	9.5																							
	County-wide Total		1,486	1,266	3	5	26	54	111	26	7	453	93	23	9	50	22	22	2	43	3	3	3			
	Value per Facility																									
	Land Value			5,810																						
	Grand Total			7,529,760	819,900	3,283,500	1,102,400	3,820,360	3,283,500	2,841,800	22,400,000	30,620,000	6,566,900	9,611,700	396,400	1,737,000	932,800	24,000,000	198,770,000	9,927,100	1,823,200	655,600	874,000	3,400,800	8,460,000	100,644,120

**ANNUAL UPDATE AND INVENTORY REPORT  
ON PUBLIC FACILITIES**

**2005**

**CATEGORY "B" FACILITIES  
(Non-Concurrency Regulated)**

- 7. County Jail**
- 2. Law Enforcement**
- 3. Library**
- 4. Emergency Medical Services**
- 5. Government Buildings**

**December 2005**

# COUNTY JAIL SYSTEM

## CONTENTS

### SUMMARY FORM.....COUNTY JAIL SYSTEM

- COUNTY JAIL SYSTEM WITH LOSS OF 3.2 BEDS/1000 POPULATION USING WEIGHTED POPULATION PROJECTIONS
- JAIL FACILITIES; LOSS: 3.2 BEDS/1000 POPULATION (CHART)
- COLLIER COUNTY JAIL BEDS SUMMARY FORM
- JAIL POPULATION TRENDS, FY 1999-2005

**2005 AUIR SUMMARY FORM**

**Facility Type:** *County Jail* (Category B)

**Level of Service Standard (LOSS):** 3.2 Beds/1000 population\*

**Unit Cost:** \$62,421

The LOSS was changed in the 2005 AUIR to 3.2 beds/1000 population from the 2004 AUIR which used 2.4 beds/1000 weighted population. The 3.2 beds/1000 population reflects the actual jail population rates experienced in the jail system.

Using the Weighted Population method, the following is presented:

**3.2 Beds/1000 Population\***

Available Inventory 9/30/05	1366	\$85,267,086
Required Inventory 9/30/10	1442	\$90,011,082
Proposed CIE FY 06-10	0	0
5-year Surplus or (Deficit)	(76)	(\$4,750,238)

\* Closer to the actual jail population rates at the existing jail.

Expenditures

Proposed CIE FY06-10 expenditure dollar amount.....	\$0
Debt Service Payments (existing bonds and loans).....	\$9,770,534
Total Expenditures.....	\$9,770,534

Revenues

Impact Fees anticipated.....	\$11,971,169
Other Revenues.....	\$0
Total Revenues.....	\$11,971,169

Revenues needed to maintain existing Level of Service Standard..... \$2,543,361\*\*

\*\* These funds are equal to the difference between the \$4,750,238 deficit in capital improvements and the \$2,200,535 in revenues unencumbered. It would not be feasible to build just a 76 bed addition during the FY06-10 period.

Recommended Action:

Staff recommends that the Board direct staff to include “Proposed CIE FY06-10 projects and studies in the next Annual CIE Update and Amendment and use the 3.2 beds/1000 population methodology in the FY06-10 Capital Improvements Element of the Growth Management Plan. There will be a shortage of beds starting in FY 08-09 and additional revenues will need to be identified and constructed during and shortly thereafter the FY09-10 CIE period in order to maintain the current LOSS of 3.2 beds/1000 population.

Planning Commission Recommendations: (1) Remove revenues needed to maintain the existing level of service standard (\$2,543,361); (2) Adjust the footnote (\*\*\*) to show there’s no deficit in FY 06-10; and (3) Note that revenues needed to maintain the existing level of service are contingent on the development plan for new jail facilities.

2005 AIJR  
Jail Facilities

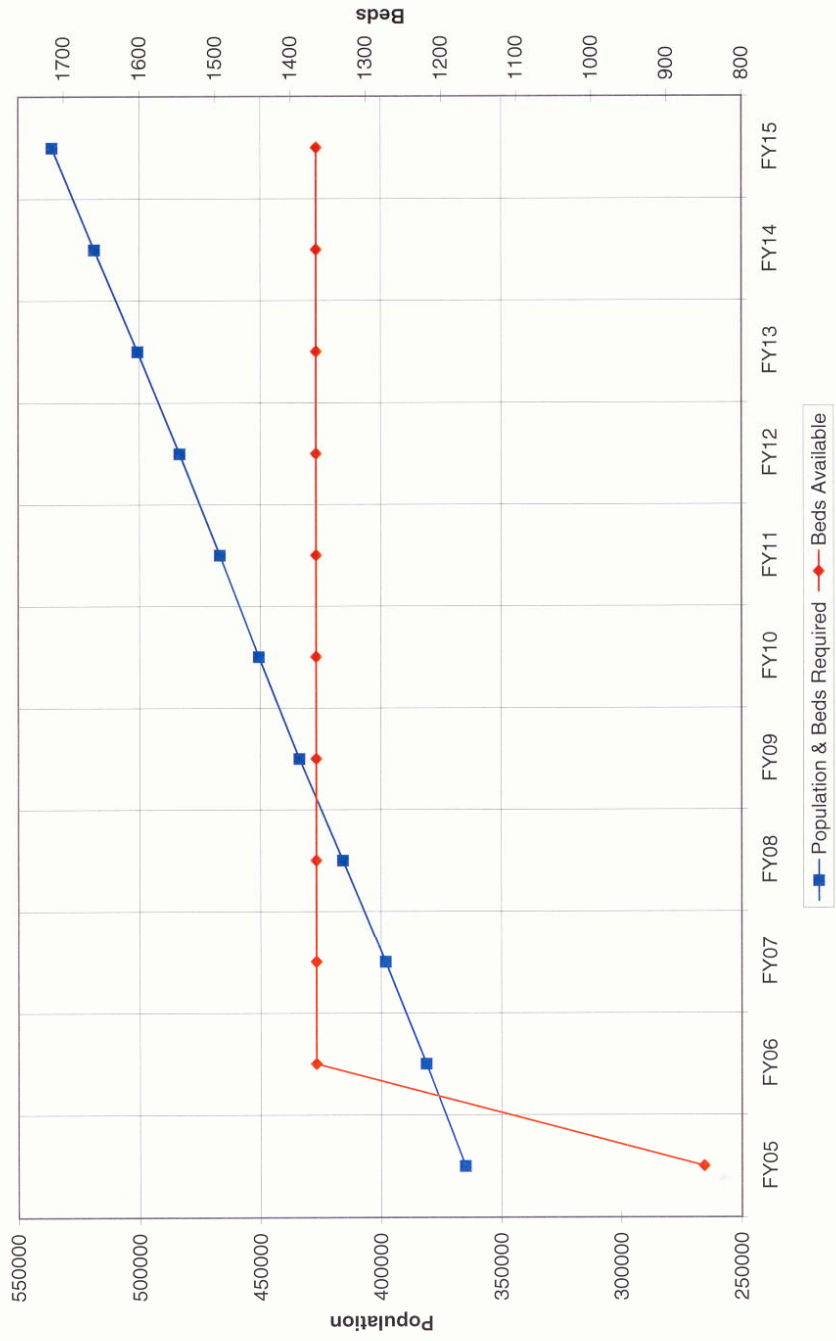
LOSS: 3:2 Beds / 1,000 Population

FISCAL YEAR	POPULATION CO-WIDE (Weighted)	BEDS REQUIRED 0.0032	BEDS PLANNED IN CIE	BEDS AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT \$62,421
2004-05	364,970	1,168		850	171	10,673,991
2005-06	381,171	1,220	516	1,366	146	9,113,466
2006-07	398,098	1,274		1,366	92	5,742,732
2007-08	415,783	1,331		1,366	36	2,247,156
2008-09	433,789	1,388		1,366	(22)	(1,373,262)
2009-10	450,655	1,442		1,366	(76)	(4,743,996)
2010-11	466,732	1,494		1,366	(128)	(7,989,888)
2011-12	483,388	1,547		1,366	(181)	(11,298,201)
2012-13	500,643	1,602		1,366	(236)	(14,731,356)
2013-14	518,517	1,659		1,366	(293)	(18,289,353)
2014-15	536,061	1,715		1,366	(349)	(21,784,929)

NOTES:  
FY 04-05 3rd floor expansion to Naples facility



2005 AUJR Jail Facilities, LOSS: 3.2 Beds / 1,000 Population



**Collier County Jail Beds Summary**  
**November, 2005**

<b><u>Naples Jail Addition</u></b>	<b><u>first floor</u></b>	<b><u>second floor</u></b>	<b><u>third floor</u></b>	<b><u>totals</u></b>
Dorm style beds	0	240	192	432
Beds in individual cells*	0	0	84	84
Medical beds (1)	10	0	0	10*
Holding cell beds (1)	<u>16</u>	<u>0</u>	<u>0</u>	<u>16*</u>
<b>Total cell beds</b>	<b>26</b>	<b>240</b>	<b>276</b>	<b>542</b>
(1) These beds are not counted towards their state rating capacity.....				<b>(26)</b>
*Number of beds per cell is 2			Rated Beds	<b>516</b>

**Existing Jail (Naples)**

Beds in dual occupancy cells	582			
Holding cell beds	<u>0</u>			
<b>Total cell beds</b>	<b>582</b>			<b>582</b>

**Immokalee Jail**

Beds in dual occupancy cells	192			
Tents (2) 38 per tent**	<u>76</u>			
<b>Total cell beds</b>	<b>268</b>			<b><u>268</u></b>

**Grand total rated cell beds (with 3<sup>rd</sup> floor addition) 1366**

\*\* Chief Greg Smith stated that the tents are planned for long term use. They are warranted for 20 years although they most likely won't use them that long. They are rated for 110 MPH winds and are used for weekenders and or low crime type criminals.

**Related Information on Jail Capacity/Usage**

- During FY 2005 the average jail population was 1,138 per attached FY 1999-2005 "Jail Population Trends" spreadsheet.
- A 1997 study by V Group of Florida, Inc. ("Update of the Integrative Corrections Strategic Development Plan") showed that the jail had a forced 10% average vacancy (management factor) because adult males are required to be separated from juvenile males, adult females separated from juvenile females, etc, and that the jail system experienced a 13% "peaking factor" (greater usage on weekends due to judge sentencing to weekend incarceration only due to employment requirements and increased criminal behavior and bookings on weekends as opposed to during weekdays. Thus, the average jail population is not a true and complete picture of the extent of jail usage.

Information verified by Chief Greg Smith, November 10, 2005



# COUNTY LAW ENFORCEMENT

## CONTENTS

### SUMMARY FORM.....COUNTY LAW ENFORCEMENT

- COUNTY LAW ENFORCEMENT LEVEL OF SERVICE (LOSS) OF 1.96 OFFICERS/1000 POPULATION USING WEIGHTED POPULATION PROJECTIONS
- LAW ENFORCEMENT LOSS: 0.00196 OFFICERS/1000 POPULATION WITH UNIT COST OF \$140,258 PER OFFICER (CHART)
- ATTACHMENT A...INVENTORY OF CAPITAL IMPROVEMENTS AND FACILITIES FROM REPOPT ENTITLED, "LAW ENFORCEMENT IMPACT FEE" PREPARED BY TINDALE-OLIVER & ASSOCIATES, INC. DATED MAY 25, 2005, WITH AN EFFECTIVE DATE OF AUGUST 1, 2005
- ATTACHMENT B...LAW ENFORCEMENT FACILITIES MASTER PLAN CAPITAL EXPANSION PROJECTS

**2005 AUIR SUMMARY FORM**

**Facility Type:** *Law Enforcement* (Category B)

**Level of Service Standard:** 1.96 Police Officers/1000 population

**Unit Cost:** \$140,258 Capital Cost/Police Officer

The Law Enforcement Impact Fee, which was approved by the Collier County Board of County Commissioners on June 14, 2005, became effective on August 1, 2005, and is based upon the impact fee study prepared by Tindale-Oliver & Associates dated May 25, 2005.

**Attachment A** includes excerpts from the “Collier County Law Enforcement Impact Fee Study” as prepared by Tindale-Oliver. This study determines that the Law Enforcement level of service (LOS) standard for the Capital Improvements Element of the Growth Management Plan is 1.96 police officers per 1,000 weighted residents.

**Attachment B** is the Law Enforcement Facilities Master Plan Capital Expansion Projects included in the Tindale-Oliver & Associates study dated May 25, 2005. Projects planned in FY06-10 include: Fleet Facility, Sheriff’s Airport Operations, Sheriff’s Administration, Orangetree Substation, Emergency Services Center, and Sheriff’s Airport Operations and Emergency Center.

**Weighted Population Calculations**

	<u>Officers</u>	<u>Value/Cost</u>
Available Inventory 9/30/05	616.5 .....	\$ 86,469,057
Required Inventory 9/30/10	883.0	\$123,847,814**
Proposed CIE FY 06-10	N/A	\$ 44,967,533
5-year Surplus or (Deficit)	N/A	0

\*\*The required capital cost or inventory does not attempt to predict future possible increases in land, building and equipment costs.

Using the weighted population method, the following is set forth:

Expenditures

Proposed CIE FY 06-10 expenditure dollar amount.....	\$44,967,533
Debt Service Payments (existing bonds and loans).....	\$ 4,959,165
Total Expenditures.....	\$49,926,698

Revenues:

Impact Fees for existing debt service (bonds and loans).....	\$ 4,959,165
Impact Fees anticipated for the CIE.....	\$15,582,764
Bond Proceeds for Fleet Management and EOC buildings (2005 bond).....	\$19,309,453
Sheriff funding of the special operations building.....	\$14,500,000
Total Revenues.....	\$54,351,382

Additional Revenues Required or Level of Service Standard Reduction.....\$0

SURPLUS.....\$4,424,684

Recommended Action:

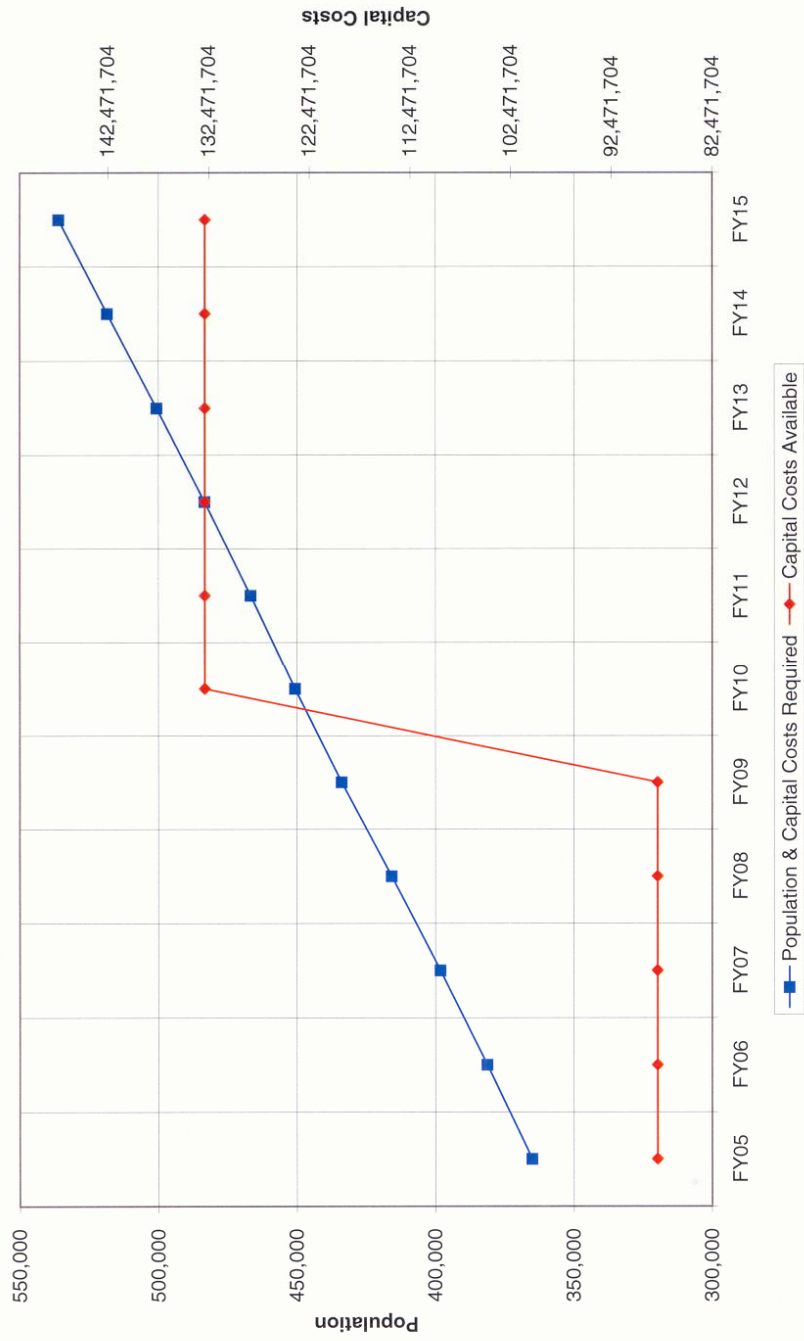
That the Board direct staff to include “Proposed CIE FY 06-10” projects listed in **Attachment B** in the next Annual CIE Update and Amendment. Additionally, the impact fee will likely be recalculated in 2008 and indexed annually during the interim 2006 and 2007 fiscal years. All indications are that the impact fee will need to be adjusted substantially in 2008 to allow for the continuation of the current LOSS with respect to capital improvements. Further, the Board is requested to provide policy direction relative to future additional law enforcement officers as a possible modification to the absolute number of officers that might be required.

Planning Commission Recommendation: Approval of this element as presented.

2005 AUIR  
Law Enforcement  
0.00196 Officers/Capita

FISCAL YEAR	POPULATION CO-WIDE (Weighted)	OFFICERS/CAP. REQUIRED 0.00196	CAPITAL COST REQUIRED	CAP.IMPROV. PLANNED IN CIE	CAPITAL COSTS AVAILABLE	VALUE OR (COST) AT \$140,258
2004-05	364,970	715.3	100,326,547		87,888,225	(12,438,322)
2005-06	381,171	747.1	104,786,752		87,888,225	(16,898,527)
2006-07	398,098	780.3	109,443,317		87,888,225	(21,555,092)
2007-08	415,783	814.9	114,296,244		87,888,225	(26,408,019)
2008-09	433,789	850.2	119,247,352		87,888,225	(31,359,127)
2009-10	450,655	883.3	123,889,891	44,967,533	132,855,758	8,965,867
2010-11	466,732	914.8	128,308,018	0	132,855,758	4,547,740
2011-12	483,388	947.4	132,880,429	0	132,855,758	(24,671)
2012-13	500,643	981.3	137,635,175	0	132,855,758	(4,779,417)
2013-14	518,517	1,016.3	142,544,205	0	132,855,758	(9,688,447)
2014-15	536,061	1,050.7	147,369,081	0	132,855,758	(14,513,323)

2005 AUJR Law Enforcement  
LOSS: .00196 Officers per Capita, Unit Cost per Officer: \$140,258





**Table 1  
Land and Building Inventory**

Building "J" Addition	3301 E. Tamiami Trail, Naples	Mixed Use	16,445	602,930	45.28	0.075	1.233
Building "J" Addition	3301 E. Tamiami Trail, Naples	Mixed Use	16,458				1.234
Building "J" Sheriff 2nd Floor	3301 E. Tamiami Trail, Naples	Mixed Use	100,098				7.507
GG Sheriff's Substation	4741 Golden Gate Parkway, Naples	Office	5,024	42,864	11.56	0.270	1.356
Marco Sheriff's Substation	990 N Barfield Drive, Marco	Office	3,647	3,647	0.88	0.241	0.880
SO Yo-Tech Trailer	Oil Well Grade Road, Naples	Mixed Use	777	N/A	N/A	N/A	N/A
SO Range Control Bldg. #1 (2nd. Fl.)	Oil Well Grade Road, Naples	Mixed Use	105	N/A	N/A	N/A	N/A
SO Range Control Bldg. #2 (2nd. Fl.)	Oil Well Grade Road, Naples	Mixed Use	105	N/A	N/A	N/A	N/A
SO Range Trailer	Oil Well Grade Road, Naples	Mixed Use	1,440	1,840	2.27	1.234	1.777
800 MGHZ Generator Building	1-75 at Mile 63, Naples	Mixed Use	238	N/A	N/A	N/A	N/A
Immokalee SO Substation	112 S. 1st Street, Naples	Office	8,249	22,084	7.42	0.336	2.772
Drill Academy Office - Portable	323 Stockade Road, Naples	Mixed Use	8,959	61,808	41.81	0.676	6.056
Sheriff CID Building	2373 S. Horseshoe, Naples	Mixed Use	34,704	34,704	3.89	0.112	3.890
N. Naples Substation	8970 Hammock Oak Dr, Naples	Office	3,000	53,650	3.63	0.068	0.204
E. Naples Substation	11121 E. Tamiami Trail, Naples	Office	2,240	3,659	1.07	0.292	0.654
TOTAL (All Buildings)			201,490	827,186	117.81		
Weighted Average Acreage per 1,000 Square Feet of Building			200,264				27.563
							0.138

- (1) Square footage of the indicated facility.
  - (2) Square footage of all buildings on a given parcel.
  - (3) Acreage of the parcel where the law enforcement facility is located. In some cases, this acreage includes other buildings.
  - (4) Acres (Item 3) divided by total square footage (Item 2) multiplied by 1,000.
  - (5) Acres per 1,000 square feet of building space (Item 4) is multiplied by square feet of the law enforcement facility (Item 1) divided by 1,000.
- N/A - Cannot locate  
Source: Sheriff's Office and Financial Administration and Housing Department, Collier County

**Table 10  
Existing Level of Service  
(per 1,000 Weighted Residents)**

Component	2004
CCSO - Police Officers <sup>(1)</sup>	616.5
Weighted Population <sup>(2)</sup>	315,270
<b>LOS (per 1,000 Residents)</b>	<b>1.96</b>

(1) Source: Sheriff's Office, Collier County, 2004 Budget  
(2) Source: Table 4

While the 2004 level of service is 1.96 officers per 1,000 weighted residents, in order to calculate the law enforcement facilities impact fee, the number of officers per 1,000 functional residents must be calculated. Table 11 illustrates the calculation of the current level of service using the total functional residents within the unincorporated county and Everglades area. The current number of officers per 1,000 functional residents is 2.13.

**Table 11  
Existing Level of Service  
(per 1,000 Functional Residents)**

Component	2004
CCSO - Police Officers <sup>(1)</sup>	616.5
Functional Population <sup>(2)</sup>	290,010
<b>LOS (per 1,000 Residents)</b>	<b>2.13</b>

(1) Source: Sheriff's Office, Collier County, 2004 Budget  
(2) Source: Table 9

**Cost Component**

The cost component of the study evaluates the cost of all capital items, including buildings, land and equipment/vehicles.

**Building Cost**

Table 12 summarizes the estimated value of existing building capital based on the information provided by the County. In this table, main buildings are defined as the buildings with air-conditioning while support buildings are those without air-conditioning. Although the square footage of the support facilities was not included in the inventory, because they are built and used in conjunction with and to support the main

buildings, their cost is included in the total cost figures. As presented, the cost of the existing buildings per police officer is \$60,134.

**Table 12  
Building Replacement Cost**

Name of Structure	Square Footage	Use	Estimated Building Value	Building Value per Square Foot
<b>Main Buildings:</b>				
Building "J" Addition	16,445	Mixed Use	\$3,173,885	\$193
Building "J" Addition	16,458	Mixed Use	\$3,176,394	\$193
Building "J" Sheriff 2nd Floor	100,098	Mixed Use	\$19,318,914	\$193
GG Sheriff's Sub Station	5,024	Office	\$969,632	\$193
Marco Sheriff's Sub Station	3,647	Office	\$703,871	\$193
SO Vo-Tech Trailer	777	Mixed Use	\$73,815	\$95
SO Range Control Bldg. #1 (2nd Fl.)	105	Mixed Use	\$5,253	\$50
SO Range Control Bldg. #2 (2nd Fl.)	105	Mixed Use	\$5,253	\$50
SO Range Trailer	1,440	Mixed Use	\$136,800	\$95
800 MGHZ Generator Bldg.	238	Mixed Use	\$11,917	\$50
Immokalee SO Substation	8,249	Office	\$1,592,057	\$193
Drill Academy Office - Portable	8,959	Mixed Use	\$1,670,626	\$186
Sheriff CID Building	34,704	Office	\$4,962,672	\$143
N. Naples Substation	3,000	Office	\$579,000	\$193
E. Naples Substation	2,240	Office	\$432,320	\$193
<b>Main Buildings Total</b>	<b>201,490</b>		<b>\$36,812,408</b>	<b>\$183</b>
<b>Support Buildings:</b>				
SO Range Control Bldg. #1 (1st. Fl.)	2,225	Mixed Use	\$111,255	\$50
SO Range Shed	161	Storage	\$15,295	\$95
SO Range Control Bldg. #2 (1st. Fl.)	334	Mixed Use	\$16,699	\$50
SO Wave Tower Bldg. #3 <sup>(5)</sup>	260	Mixed Use	\$13,000	\$50
Sheriff's Forensic Shed 1	285	Mixed Use	\$27,075	\$95
Immokalee Sheriff's Fuel Island	305	Mixed Use	\$28,975	\$95
Sheriff's Forensic Shed 2	417	Storage	\$20,866	\$50
Sheriff's Small Storage Shed	283	Storage	\$26,883	\$95
<b>Other Support Buildings Total</b>	<b>4,270</b>		<b>\$260,049</b>	<b>\$61</b>
<b>All Buildings Total</b>	<b>205,760</b>		<b>\$37,072,457</b>	
<b>Weighted Average Unit Replacement Cost Per Square Foot</b>				<b>\$184</b>
<b>Total Officers<sup>(6)</sup></b>			<b>616.5</b>	
<b>Average Unit Replacement Cost Per Officer</b>				<b>\$60,134</b>

(1), (2), (3) Source: Sheriff's Office and Financial Administration and Housing Department, Collier County

(4) Estimated building value (Item 3) divided by square footage of the building (Item 1). These figures represent the unit figures used to calculate the estimated building value.

(5) The building is used by the Sheriff; however, the communication tower is used for countywide services. As such, the value of the tower is not included in the building value.

(6) Source: Table 10

### Land Cost

Table 13 presents the land values of those parcels for which information was available. It should be noted that in most cases, law enforcement facilities share the acreage with other buildings. Therefore, the total acreage and the associated land value are simply

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utilized to calculate land cost per acre, which then is used to calculate the land value per square foot of law enforcement buildings based on the ratio of land to building square footage calculated in Table 1.

**Table 13  
Land Cost**

Name of Structure	Acres	Use	Property Appraiser Land Value	Land Value per Acre
Building "J" <sup>(5)</sup>	45.28	Mixed Use	\$35,300,000	\$779,594
GG Sheriff's Sub Station <sup>(5)</sup>	11.56	Office	\$3,399,428	\$294,068
Marco Sheriff's Sub Station	0.88	Office	\$402,494	\$457,380
SO Range Trailer <sup>(5)</sup>	2.27	Mixed Use	\$60,000	\$26,432
Immokalee SO Substation <sup>(5)</sup>	7.42	Office	\$646,580	\$87,140
Drill Academy Office - Portable <sup>(5)</sup>	41.81	Mixed Use	\$104,525	\$2,500
Sheriff CID Building	3.89	Office	\$1,653,250	\$425,000
N. Naples Substation <sup>(5)</sup>	3.63	Office	\$3,162,460	\$871,201
E. Naples Substation	1.07	Office	\$232,500	\$217,290
<b>Total</b>	<b>117.81</b>		<b>\$44,961,237</b>	
<b>Weighted Average Land Value per Acre</b>				<b>\$381,642</b>
<b>Land Cost per SF of Building<sup>(6)</sup></b>				<b>\$53</b>
<b>Total (excluding Building "J" and Drill Academy Office)</b>				
	<b>30.72</b>		<b>\$9,556,712</b>	
<b>Weighted Average Land Value per Acre (excluding Bldg "J" and Drill Academy Office)</b>				<b>\$311,091</b>
<b>Land Cost per SF of Building (excluding Bldg "J" and Drill Academy Office)<sup>(7)</sup></b>				<b>\$43</b>
<b>Acreage per 1,000 SF of Building<sup>(8)</sup></b>				<b>0.138</b>

(1), (2), (3) Source: Sheriff's Office and Financial Administration and Housing Department, Collier County

(4) Property Appraiser land value (Item 3) divided by acres (Item 1).

(5) Acreage includes other buildings that are not necessarily used to provide law enforcement services.

(6) Weighted average land value per acre multiplied by acreage per 1,000 square feet of building space (Item 8) divided by 1,000.

(7) Weighted average land value per acre (excluding Building "J" and Drill Academy Office) multiplied by acreage per 1,000 square feet of building space (Item 8) divided by 1,000.

(8) Source: Table 1

In determining the average land cost per building square foot, two different figures are calculated. The first one includes all properties listed in Table 13 and results in a land cost of \$53 per building square foot. The second excludes the two values that have the highest and lowest weight on the average (Building "J" with 45.28 acres at \$779,594 per acre and Drill Academy Office with 41.81 acres at \$2,500 per acre). Exclusion of these two properties results in a weighted average land cost of \$43 per building square foot.

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Since the values for parcels on which Building "J" and the Drill Academy Office are located appear to be skewing the average land cost, a land cost of \$43 per square foot building is used in this analysis. It should be noted that although the land value for North Naples Substation is higher than that of Building J, because the acreage for the Substation is relatively small, the weighted average is not affected significantly.

#### Equipment/Vehicle Cost

The replacement/historical cost for the equipment, as provided by the CCSO, is \$40.5 million. Table 14 presents the total equipment cost. As mentioned previously, equipment included in this list follows the State's definition of a capital asset for all equipment except for weapons and tasers. Florida Statue 274 defines capital assets as items that have a minimum value of \$1,000 and one year of useful life. Although weapons and tasers have an average value of less \$1,000, the CCSO qualifies them as capital since they are considered sensitive material/equipment.

**Table 14  
Equipment Cost**

Equipment Description	Units	Unit Cost	Total Cost	Explanation/Examples
Furniture	85	\$5,067	\$430,688	Conference room tables, higher-end furniture, furniture in general mass areas such as meeting rooms where officers are holding briefs, etc.
Office Equipment	50	\$1,296	\$64,781	Shredders used by the entire office, movable filing systems, fax machines, etc.
Recording Equipment	48	\$2,174	\$104,372	Surveillance and undercover recording equipment, etc.
Minor Computer Equipment	1,799	\$1,688	\$3,035,832	Personal computers, larger printers (laser), etc.
Major Computer Equipment	155	\$15,910	\$2,466,091	Servers and switches
Computer Software	85	\$15,270	\$1,297,924	Computer-aided dispatch, finance/human resources system, and software related to civil, jail booking, report writing, evidence control and crash scene diagramming
Laptop Computers <sup>(1)</sup>	303	\$3,032	\$918,696	Laptop computers
Kitchen Equipment	5	\$2,414	\$12,069	Icemaker, garbage disposal, etc.
Security	18	\$3,466	\$62,387	Security systems such as identification card readers (these are located in each building)
Recreation and Training Equipment	15	\$10,377	\$155,655	Robotronics, robots, Fire Arms Training System (FATS) equipment, miniature city, etc.
Medical Equipment	19	\$3,484	\$66,194	AEDs, etc.
All Classes of Weapons	962	\$238	\$228,881	Unified shotguns, agencywide weapons
Tasers	341	\$444	\$151,567	Tasers
Trailers	30	\$3,899	\$116,957	Enclosed, open, stock, horse, boat, etc.
Range Equipment	5	\$15,791	\$78,954	Target turners and targets
Photo	7	\$20,272	\$141,903	Photo equipment, photo lab to develop film, etc.
Camera	45	\$2,275	\$102,364	Camera

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**Table 14 (continued)  
Equipment Cost**

Camera Equipment	21	\$2,514	\$52,786	Lenses, tripod, etc.
Projector	14	\$3,396	\$47,550	Projector
Digital Camcorder	14	\$1,266	\$17,718	Digital camcorder
Camcorder	18	\$2,545	\$45,814	Camcorder
Utilities	13	\$11,377	\$147,898	Portable air conditioners, fencing, fuel tanks
Boat Equipment	26	\$5,360	\$139,356	GPS, boat covers, engines, radar domes, etc.
Boats	10	\$26,316	\$263,159	Boats
Aircraft	2	\$390,933	\$781,865	Aircraft
Minor Communication Equipment	7	\$26,140	\$182,981	Telephone systems and related equipment
Aircraft Equipment	17	\$10,113	\$171,917	Navigational equipment, special night vision goggles, safety boxes to record the flight, rotor blades, etc.
Maintenance Equipment	10	\$1,600	\$15,997	Carpet cleaning, floor buffing equipment, generators, etc.
Communication Equipment	540	\$4,578	\$2,471,946	Phone system, radio system (not including radios), underwater system
Mobile and Portable Radios <sup>(1)</sup>	1,172	\$2,900	\$3,398,800	Radios
Night Vision	49	\$4,607	\$225,726	Equipment to see at night
Polygraph Equipment	8	\$3,679	\$29,431	Lie detectors, etc.
Traffic Equipment	15	\$2,887	\$43,307	Breath sensors, intoxicizers
Other Detection	14	\$5,249	\$73,488	Sound meters, film meters to check windows, metal detectors for the dive team, etc.
Evidence Gathering	140	\$12,405	\$1,736,762	Transmitters, receivers, dark room equipment, fingerprint system, luma lights, metal detectors, other equipment for forensic and undercover work
Radars <sup>(1)</sup>	266	\$3,200	\$851,200	Radars
Lasers <sup>(1)</sup>	17	\$4,300	\$73,100	Lasers
Traffic Control	22	\$5,797	\$127,524	Speed display boards, arrow boards, mobile vision
Protection	78	\$1,526	\$118,995	High-end bullet proof vests, ballistic shields, etc.
Vehicles <sup>(1)</sup>	947	\$20,723	\$19,624,681	Vehicles
Auto Accessories	28	\$1,311	\$36,701	Heavy duty wrenches (for tow trucks), etc.
Special Operations/Miscellaneous Equipment	51	\$2,795	\$142,559	Equipment such as shields, saddles, fatal vision goggles, etc. that do not fit in any other category
Diving Equipment	25	\$1,609	\$40,230	Breathing apparatus, diving vests, special dive cameras, etc.
K-9 Dog	10	\$4,845	\$48,450	Dogs
K-9 Dog Equipment	10	\$1,324	\$13,235	Special cannels, training equipment
Hand Tools	8	\$1,697	\$13,572	Equipment such as air guns, jacks, key machine, headlight angler, etc., for vehicle maintenance shop

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**Table 14 (continued)  
Equipment Cost**

Shop Machinery and Equipment	33	\$2,858	\$94,307	Lifts for cars, air compressors, tire balancing machine, compressors, diagnostic testers, etc.
Lab Equipment	14	\$5,906	\$82,686	Equipment used by crime scene, such as heat drying machines to preserve evidence, etc.
Used Helicopter <sup>(1)</sup>	1	\$39,775	\$39,775	Helicopter
Used Imaging System <sup>(2)</sup>	2	\$36,398	\$72,796	Imaging system
Other Used Equipment <sup>(2)</sup>	4	\$4,370	\$17,482	Used golf carts, trailer, vehicle, etc.
<b>Total</b>	<b>7,578</b>		<b>\$40,549,056</b>	

(1) Unit cost represents the replacement cost. For all other items, the cost is based on the historical cost.

(2) Used equipment refers to equipment that was initially owned by the County and then transferred to the Sheriff's Office.

Source: Sheriff's Office, Collier County

Approximately 85 percent of the equipment value consists of the following types of equipment:

- Minor computer equipment, such as personal computers and larger printers (laser);
- Major computer equipment, such as servers and switches;
- Computer software, such as computer-aided dispatch, finance/human resources system, and software related to civil, jail booking, report writing, evidence control and crash scene diagramming;
- Communications equipment such as phone system, radio system (not including radio), and underwater system;
- Evidence gathering equipment such as transmitters, receivers, darkroom equipment, fingerprint system, luma lights, metal detectors and other equipment for forensic and undercover work;
- Mobile and portable radios; and
- Vehicles.

**Summary of Capital Costs**

Table 15 provides a summary of all capital costs, which amounts to approximately \$140,000 per police officer.

**Table 15  
Total Capital Cost**

Land Cost per Square Foot of Building <sup>(1)</sup>	\$43	
Total Building Square Footage <sup>(2)</sup>	205,760	
Total Land Cost <sup>(3)</sup>	\$8,847,680	10%
Total Building Cost <sup>(4)</sup>	\$37,072,457	43%
Total Equipment Cost <sup>(5)</sup>	\$40,549,056	47%
Total Capital Cost <sup>(6)</sup>	\$86,469,193	
Number of Certified Police Officers <sup>(7)</sup>	616.5	
Total Capital Cost per Police Officer <sup>(8)</sup>	\$140,258	

- (1) Source: Table 13
- (2) Source: Table 12
- (3) Source: Land cost per square foot of building (Item 1) multiplied by total building square footage (Item 2).
- (4) Source: Table 12
- (5) Source: Table 14
- (6) Sum of total land (Item 3), building (Item 4), and equipment (Item 5) costs.
- (7) Source: Table 10
- (8) Total capital cost (Item 6) divided by number of certified police officers (Item 7).
- (9) Percent of total capital costs.

**Master Plan Capital Expansion Costs**

Based on information provided by the CCSO, the County's Master Plan for law enforcement facilities includes the addition of five new/expanded buildings, as presented in Table 16. Figures included in the table exclude land and some of the equipment costs. Construction cost per square foot ranges from \$118 to \$439, with a weighted average of \$261 per square foot. This range and the relatively higher average cost are due to the types of buildings included in the Master Plan. For example, according to the County representatives, the Fleet Facility will simply be a metal building with open bays, while the Sheriff's Airport Operations building will be a metal building capable of a second story, with an aircraft hangar, a ramp for a helicopter, covered parking, a mezzanine, etc. Similarly, the Orangetree Substation will be located on raw land, which requires significantly more site improvements than some of the other buildings. Emergency Services Center will be a main hurricane shelter and house the 911 center.

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Given that the Sheriff's Airport Operations building and Emergency Services Center do not represent typical buildings used for law enforcement services, the weighted average is also calculated excluding these two buildings. In this case, the average construction cost decreases to \$153 per square foot. The average construction cost of \$184 per square foot calculated based on the replacement value of the existing buildings is between \$153 and \$261 per square foot. Since the existing buildings provide a larger sample and because not all cost estimates for the buildings included in the Master Plan are finalized, this study will use the construction cost of \$184 per square foot.

**Table 16  
Law Enforcement Facilities Master Plan  
Capital Expansion Projects**

Fleet Facility <sup>(2)</sup>	35,812	\$4,216,739	\$118
Sheriff's Airport Operations	33,000	\$14,500,000	\$439
Sheriff's Administration	59,810	\$9,408,080	\$157
Orangetree Substation	4,912	\$1,750,000	\$356
Emergency Services Center <sup>(3)</sup>	39,073	\$15,092,714	\$386
<b>Total</b>	<b>172,607</b>	<b>\$44,967,533</b>	
<b>Weighted Average Cost per Square Foot</b>			<b>\$261</b>
Total (excl. Sheriff's Airport Operations & Emergency Services Ctr)	100,534	\$15,374,819	
<b>Weighted Average Cost per Square Foot (excl. Sheriff's Airport Operations &amp; Emergency Services Center)</b>			<b>\$153</b>

- (1) Square footage includes only the capital expansion portion to be used for law enforcement.  
 (2) Total square footage of the Fleet Facility is 75,102. Of this, 35,812 square feet are for law enforcement capital expansion.  
 (3) Total square footage for Emergency Service Center is 132,142. Of this, 39,073 square feet represent capital expansion for law enforcement.

Source: Financial Administration and Housing Department, Collier County

**Total Impact Cost per Functional Resident**

Table 17 presents the unit cost for the impact fee analysis. This unit cost was calculated as the total capital cost of \$140,000 per officer multiplied by the LOS standard of 2.13 officers per functional resident. Table 17 shows a cost per functional resident of \$299.

**Table 17  
Total Impact Cost per Functional Resident**

Total Capital Cost per Police Officer <sup>(1)</sup>	\$140,258
LOS (Officers per 1,000 Functional Residents) <sup>(2)</sup>	2.13
<b>Total Capital Cost per Functional Resident<sup>(3)</sup></b>	<b>\$298.75</b>

(1) Source: Table 15

(2) Source: Table 11

(3) Total capital cost per police officer (Item 1) multiplied by the LOS (Item 2) and divided by 1,000.

**Credit Component**

To avoid overcharging development for the law enforcement impact fee, a review of the capital financing program for law enforcement services was completed. The purpose of this review was to determine any potential revenue credits that should be considered for revenues generated by new development that could be used for capital facilities, land, and equipment expansion for the law enforcement program.

**Credit for Capital Expansion Expenditures**

The review of the capital expansion expenditures for FY 2000 to FY 2005 was completed and reviewed with the CCSO.

The CCSO has two different sources for capital expansion expenditures:

- General Fund
- Grants

Table 18 summarizes the capital expansion expenditures over a six-year period. This table also specifies the funding source for each expenditure. The annual revenue per functional resident was calculated as the average capital expenditures for expansion during the six-year period divided by the average functional resident population during those years. This results in \$12.27 per functional resident, as presented in Table 18.

# COUNTY LIBRARIES

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### SUMMARY FORM.....LIBRARY BUILDINGS

- COUNTY LIBRARY BUILDINGS LEVEL OF SERVICE (LOSS) OF 0.33 SQUARE FEET/CAPITA USING WEIGHTED POPULATION PROJECTIONS
- LIBRARY BUILDING LOSS: 0.33 SQ. FT./CAPITA

### SUMMARY FORM.....LIBRARY BOOK STOCK

- COUNTY LIBRARY BOOK STOCK LOSS OF 1.8 BOOKS/CAPITA USING WEIGHTED POPULATION PROJECTIONS

### SUMMARY OF LIBRARY BOOK COLLECTION INVENTORY

### SUMMARY OF LIBRARY BUILDING INVENTORY

### LIBRARY BUILDINGS COST COMPONENTS AND AVERAGE COSTS

**2005 AUIR FACILITY SUMMARY FORM**

**Facility Type:** *Library Buildings* (Category B)  
**Level of Service Standard (LOSS):** 0.33 sq. ft. per capita  
**Unit Cost:** \$316.67/Sq. Ft.

	<u>Square Feet</u>	<u>Value/Cost</u>
<b><u>Available Inventory 9/30/05</u></b>	130,082	\$41,193,067*

\* Replacement costs of library buildings, expressed in current dollars, including land and equipment

**Weighted Population Calculations**

Required Inventory 9/30/10	148,716	46,093,896**
Proposed CIE FY 06-10	51,000	16,150,170
5-year Surplus or (Deficit)	32,366	10,249,276***

\*\* The required inventory is determined by multiplying the building floor area replacement cost times the LOSS of 0.33 square feet of building space per capita.  
 \*\*\*As population continues to increase this surplus will be reduced and then become a deficit if additional facilities are not constructed under the current LOSS

Using the weighted population method, the following is set forth:

**Expenditures**

Proposed CIE FY06-10 expenditure dollar amount.....	\$16,150,170
Debt Service Payments (existing bonds and loans).....	<u>\$2,365,787</u>
Total Expenditures.....	\$18,515,957

**Revenues**

Impact Fees anticipated.....	\$10,597,405***
Additional anticipated impact fee increased revenue beginning in early 2006	
Per prior BCC policy directive pertaining to the Golden Gate Library Project.....	\$6,918,552
Other Revenues...(donation toward library expansion .....	<u>\$1,000,000</u>
Total Revenues.....	\$18,515,957

\*\*\*Updated New Library Impact Fee Study to be complete in early 2006  
 Additional Revenues Required or Level of Service Standard Reduction.....\$ 0

**Recommended Action:**

That the BCC direct staff to include "Proposed CIE FY06-10" weighted population projects in the next Annual CIE Update and Amendment.

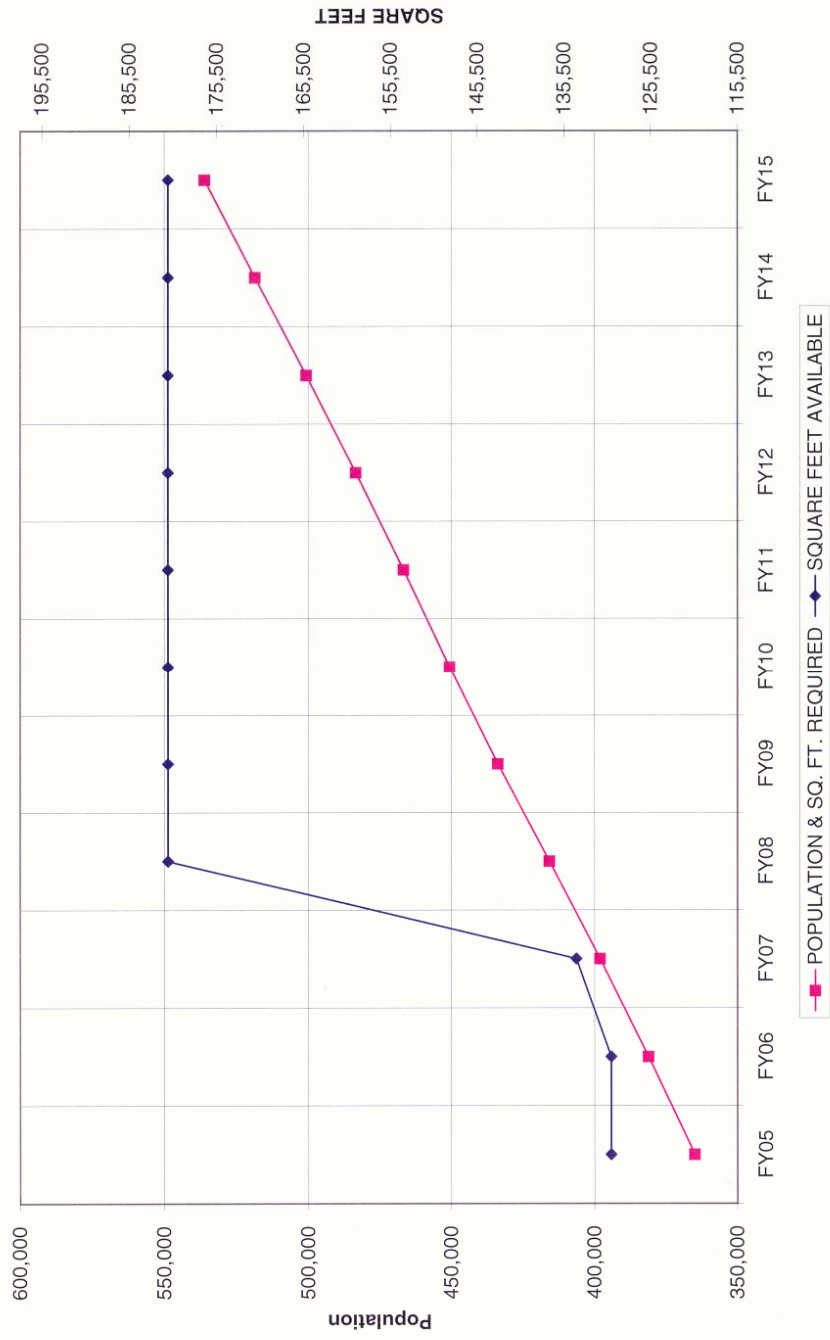
2005 AUJR  
Library Buildings  
LOSS: 0.33 sq.ft./Capita

FISCAL YEAR	POPULATION CO-WIDE (Weighted)	SQUARE FEET REQUIRED 0.3300	SQUARE FEET PLANNED IN CIE	SQUARE FEET AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT \$317
2004-05	364,970	120,440		130,082	9,642	3,053,300
2005-06	381,171	125,786		130,082	4,296	1,360,288
2006-07	398,098	131,372	4000	134,082	2,710	858,081
2007-08	415,783	137,208	47,000	181,082	43,874	13,893,453
2008-09	433,789	143,150		181,082	37,932	12,011,800
2009-10	450,655	148,716		181,082	32,366	10,249,278
2010-11	466,732	154,022		181,082	27,060	8,569,217
2011-12	483,388	159,518		181,082	21,564	6,828,672
2012-13	500,643	165,212		181,082	15,870	5,025,490
2013-14	518,517	171,111		181,082	9,971	3,157,643
2014-15	536,061	176,900		181,082	4,182	1,324,282

TIME PERIOD	POPULATION (Weighted)	SQUARE FEET REQUIRED 0.3300/CAPITA	SQUARE FEET PLANNED IN CIE	SQUARE FEET AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT \$317
10/1/05 to 9/30/06	364,970	120,440	0	130,082	4,296	1,360,288
5 YEAR GROWTH 10/1/05-9/30/10	85,685	28,276				
5-YEAR SUBTOTAL 10/1/05-9/30/10	450,655	148,716	51,000	181,082	32,366	10,249,278
2ND 5-YR GROWTH 10/1/10-9/30/15	85,406	28,184				
10 YEAR TOTAL 10/1/05-9/30/15	536,061	176,900	51,000	181,082	4,182	1,324,282

FY 06-07 Addition to Marco Island Branch, 4,000sq.ft. (donated funds); FY07-08 Addition to GG Branch (17,000sq.ft.); FY 07-08 Reg.Library(30,000sq.ft.); .est.summer 08. The 05-06 beginning inventory does not count GG expansion, as it was not built.

2005 AUJR LIBRARY BUILDING LOSS: 0.33SQ.FT. / Capita



## 2005 AUIR FACILITY SUMMARY FORM

**Facility Type:** *Library Book Stock* (Category B)

**Level of Service Standard:** 1.75 Books per capita

**Unit Cost:** \$25.00 per volume (print)

**Unit Cost:** \$50.00 per volume (audio)\*

Even though the cost of an audio book is double the cost of printed books, the percentage of audio books compared to printed books is minor and does not affect the average cost per book.

	<u>Books</u>	<u>Value/Cost</u>
Available Inventory 9/30/05	556,737	\$ 13,918,425

Weighted Population Calculations

Required Inventory 9/30/10	788,819	19,716,150
Proposed CIE FY 06-10	231,909	5,797,725
5-Year Surplus or (Deficit)	0	0

Using the weighted population method, the following is set forth:

**New Books**

Expenditures

Proposed CIE FY06-10 expenditure dollar amount.....	\$5,797,725
Debt Service.....	<u>\$0</u>
Total Expenditures.....	\$5,797,725

Revenues

Impact Fees Anticipated.....	\$3,818,700
AdValorem Funds for new books.....	<u>\$1,979,025</u>
Total Revenues.....	\$5,797,725

**Replacement Books**

Expenditures

Proposed FY06-10 expenditure dollar amount to replace lost or worn books .....	<u>\$3,550,000</u>
Total Expenditures.....	\$3,550,000

Revenues

AdValorem Funds for replacement books.....	\$1,570,975
State Aid to Library Funds (replace lost or worn books).....	<u>\$825,000</u>
Total Revenues.....	\$2,395,975

Additional Revenues Required to replace books.....	<u>\$1,154,025</u>
TOTAL.....	\$9,347,725

Recommended Action:

That the BCC direct staff to include "Proposed CIE FY06-10" weighted population-based book collection additions in the next Annual CIE Update and Amendment.

**Planning Commission Recommendation:** Approval of this element using weighted population and a 1.8 books per capita level of service only if the impact fees cover the increased costs, and with minor clarifications to pages 81 and 87 to clarify the fiscal years in which construction of new library facilities will be completed.

**2005 AUJR  
Library Collection  
LOSS: 1.750 Books/Capita**

TIME PERIOD	POPULATION (Weighted)	COLLECTIONS REQUIRED 1.7500/CAPITA	COLLECTIONS PLANNED IN CIE	AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT \$25
2004-05	364,970	638,698	68,210	556,737	(81,961)	(2,049,013)
2005-06	381,171	667,049	110,312	667,049	(0)	(8)
2006-07	398,098	696,672	29,622	696,671	(1)	(13)
2007-08	415,783	727,620	30,949	727,620	(0)	(8)
2008-09	433,789	759,131	31,511	759,131	0	5
2009-10	450,655	788,646	29,515	788,646	(0)	(8)
2010-11	466,732	816,781	28,135	816,781	0	0
2011-12	483,388	845,929	29,148	845,929	0	0
2012-13	500,643	876,125	30,196	876,125	(0)	(8)
2013-14	518,517	907,405	31,280	907,405	0	5
2014-15	536,061	938,107	30,702	938,107	0	5

TIME PERIOD	POPULATION (Weighted)	COLLECTIONS REQUIRED 1.7500/CAPITA	COLLECTIONS PLANNED IN CIE	AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT \$25
AS OF 10/1/05	364,970	638,698	110,312	556,737	(81,961)	(2,049,013)
5 YEAR GROWTH 10/1/05-9/30/10	85,685	149,949	231,909			
5-YEAR SUBTOTAL 10/1/05-9/30/10	450,655	788,646	231,909	788,646	(0)	(8)
2ND 5-YR GROWTH 10/1/10-9/30/15	85,406	149,461	149,461			
10 YEAR TOTAL 10/1/05-9/30/15	536,061	938,107	381,370	938,107	0	5

NOTES:  
FY 04-05 Collection Available includes 25,000 audio books.  
Level of service of 1.75 books per capita during 2005 AUJR Process based upon Board of County Commissioner's directive. Curre



2005 AUJR Library Collections, LOSS: 1.75 Books / Capita



**SUMMARY OF LIBRARY COLLECTION INVENTORY  
(Books)**

<b>Plan area Name</b>	<b>No.</b>	<b>Usable @ 9/30/2005</b>	<b>Add By 9/30/2006</b>	<b>Add By 9/30/2007</b>	<b>Usable TOTAL</b>
North Naples	1	155,687	27,000	13,000	195,687
Central Naples	2	191,929	20,000	8,000	219,929
Golden Gate	3	57,899	4,435	2,000	64,334
East Naples	4	61,201	4,000	5,000	70,201
South Naples*	5	-	10,000	30,000	40,000
Marco	6	50,327	4,500	2,000	56,827
Royal Faka-Palm	7	7,159	500	500	8,159
Rural Estates	8	-	-	-	-
Corkscrew	9	-	-	-	-
Immokalee	10	32,535	4,000	5,000	41,535
Big Cypress	11	-	-	-	-
Urban Estates	12	-	-	-	-
<b>COUNTY WIDE TOTAL</b>		<b>556,737</b>	<b>74,435</b>	<b>65,500</b>	<b>696,672</b>

\* Library will start purchasing books for South Regional Library in FY06. Initial purchase of 10,000 items will be stored within existing library facilities.

Books purchased for South Regional in fy07 will be stored at book vendor facilities at no charge to Collier County. (Common practice.)

A minimum of 2 years is needed to make purchases for a new library facility, to ensure availability when the facility opens.

Individually, book purchases in fy06 and fy07 do not seem to meet the yearly quota for purchases. But if 2 years are considered together, the quantity of books purchased does meet AUIR specifications.

**LIBRARY COLLECTION COST COMPONENTS AND AVERAGE COSTS**

<b>COST COMPONENT</b>	<b># COST COMPONENTS</b>	<b>COST PER COMPONENT</b>	<b>COST/FACILITY</b>
A. Book		\$ 25.00	
B. Audio Books		\$ 50.00	

The Library also purchases audiovisual materials from ad valorem dollars.  
Items purchased include periodicals, videocassettes, DVDs, audio books, musical CDs, and electronic databases.  
In FY06, approximately \$900,000 is budgeted for these items. This is approximately \$7 per square foot for other library materials.

**SUMMARY OF LIBRARY BUILDING INVENTORY  
(Square Feet)**

Plan area Name	No.	Usable @ 9/30/2004	Add By 9/30/2005	Add By 9/30/2006	Usable TOTAL
North Naples	1	49,000	-	-	49,000
Central Naples	2	35,800	-	-	35,800
Golden Gate	3	7,000	-	-	7,000
East Naples	4	6,600	-	-	6,600
South Naples	5	-	-	-	-
Marco	6	11,600	-	-	11,600
Royal Faka-Palm	7	900	-	-	900
Rural Estates	8	-	-	-	-
Corkscrew	9	-	-	-	-
Immokalee	10	8,000	-	-	8,000
Big Cypress	11	-	-	-	-
Urban Estates	12	11,182	-	-	11,182
<b>COUNTY WIDE TOTAL</b>		<b>130,082</b>	<b>-</b>	<b>-</b>	<b>130,082</b>

**Construction**

<b>Planned:</b>	FY04	Complete 4,000 square foot addition to Immokalee, with Grant and Impact Fee Funds
	FY07	Construct 10,000 square foot addition to Golden Gate Branch Library, with Impact Fee Funds
	FY08	Construct new, 30,000 square foot South Regional Library, with Impact Fee Funds.

Construction schedule still being discussed. I've reduced the size of Golden Gate, and changed the time frame.

I have also provided the square foot requirements using both the weighted population and a non-weighted population. This is also under discussion.

**Library Buildings  
Cost Components and Average Costs**

<u>Cost Component</u>	<u># Cost Components</u>	<u>Cost Per Component</u>	<u>Includes Land Cost Component</u>
			<u>Cost/Facility Cost/Facility</u>
A. Structure (sq. ft.)	30,000		\$7,500,000
B. Design (% of structure)	1	9%	\$675,000
C. Land (acres)	5 acres	\$200,000	\$1,000,000 \$-
D. Shelving (sections)	500	\$800	\$400,000
E. Equipment & Furniture(items)	475	\$1,400	\$665,000
F. Data Processing Equipment (items)	100	\$2,600	\$260,000
<b>TOTAL COST</b>			<b>\$10,500,000</b>
<b>SQ FEET IN AVERAGE REGIONAL LIBRARY</b>			<b>30,000</b>
<b>AVERAGE COST PER SQ FT</b>			<b>\$350.00</b>
			<b>\$316.67</b>

Costs are based on anticipated costs of South Regional Library. Column D includes an estimated cost component for land, of \$200,000 per acre. The South Regional Site is actually 20 acres, but the Library will not be the sole tenant of the property. A minimum of 5 acres is needed for a regional library of 30,000 sq. ft.

The Library anticipates having to purchase land for the Orange Blossom Library.

# COUNTY EMERGENCY MEDICAL SERVICES

## CONTENTS

### SUMMARY FORM.....EMERGENCY MEDICAL SERVICES

- 2005 AUIR NARRATIVE-EMS
- EMS LEVEL OF SERVICE (LOSS) OF 1 STATION/15,000 POPULATION USING WEIGHTED POPULATION PROJECTIONS (TABLE)
- EMERGENCY MEDICAL SERVICES LOSS: 1 STATION/15,000 POPULATION USING WEIGHTED POPULATION PROJECTIONS (CHART)
- EMS ESTIMATED CAPITAL COST PER STATION
- EMS 5-YEAR REPLACEMENT COST FOR VEHICLES
- EMS 5-YEAR REPLACEMENT COSTS FOR EQUIPMENT
- EXISTING EMS OWNED STATIONS AND FORECASTED LEASED AND OWNED STATIONS WITH CO-LOCATION
- INVENTORY OF EXISTING EMS VEHICLES

**2005 AUIR FACILITY SUMMARY FORM**

**Facility Type:** *Emergency Medical Services* (Category B)

**Level of Service Standard:** (Approx. 1 unit/15,000 population or 0.000068/capita)\*

**Unit Cost:** \$2,791,508 per new unit and \$1,840,642 per co-located unit \*\*

	<u>Units</u>	<u>Value/Cost</u>
<b>Available Inventory 9/30/05</b>	21.5***	\$35,295,095*****

**Weighted Population Calculations**

Required Inventory 9/30/10	30.6	\$57,566,069
Proposed CIE FY 06-10	9	\$22,270,091****
5-Year Surplus or (Deficit)	(0.1)	(\$279,151)

Using the Weighted Population method, the following is set forth:

Expenditures

Proposed CIE FY 06-10 expenditure dollar amount.....	\$22,270,091**
Debt Service Payments (existing bonds and loans).....	\$2,259,014
Total Expenditures.....	\$24,529,988

Revenues

Impact Fees anticipated.....	\$5,468,162
Other revenues.....	0
Total Revenues.....	\$5,468,162

Additional Revenues Required or Level of Service Standard Reduction...\$19,061,826  
 TOTAL....\$24,529,988

Recommended Action:

That the BCC direct staff to include “Proposed CIE FY06-10” weighted population-based projects in the next Annual CIE Update and Amendment.

Planning Commission Recommendations: (1) That the \$19,062,826 additional revenues required do not result in an increase in AdValorem Taxes; (2) Use weighted population with a 0.000068 units/capita level of service; (3) Consider including the revenue created by EMS be shown in the AUIR; (4) Consider raising impact fees and user fees to offset increased costs; and (5) Consider putting the helicopter operation in the 2006 AUIR and adopting a level of service for EMS helicopters.

Notes:

*\*The Countywide ALS response time goal is 8 minutes travel time 90% of the time. The FY 05 response time data reflected that this goal was accomplished 78% of the time with longer response times in such areas as the Estates and other rural areas, increasing the overall average response time. The countywide urban response time goal was met 80.215% of the time while the countywide rural response time goal was met 60.269% of the time.*

*The LOSS of 1 unit/15,000 population is in the 2004 AUIR and in the Capital Improvement Element of the Growth Management Plan and has been employed during the past several years. Additionally, the following population methodologies have been employed during recent AUIRS:*

- 2001...weighted population

- 2002...permanent population
- 2003...permanent population
- 2004...permanent population

A LOSS of .000050 EMS units per capita is the current level of service based upon the total of the owned and leased stations

A LOSS of .000029 units per capita is the Impact Fee Study level of service and the basis for the collection of impact fees, which is based on only the EMS units owned by the County.

\*\*Emergency Medical Services Department Unit Values In "Proposed CIE 05-10"

(1.0) Unit = 24 hour advance life support emergency ground transport unit with station/building.

(0.5) Unit = 12 hour advanced life support emergency ground transport unit using existing apparatus, staffed with overtime personnel. Additionally, the new unit cost has been adjusted from \$1,459,000 used in the 2004 AUIR to \$2,791,508 this year for owned units and \$1,840,652 for co-located units.

\*\*\* The current deficit of (3.3) stations or units is due to moving from the use of weighted population in the 2002 AUIR to permanent population.

\*\*\*\*Includes \$5,095,374 in vehicle and equipment replacement costs.

\*\*\*\*\* Calculated by adding up the replacement costs of 6 owned stations (\$16,749,048), 5 co-located stations (\$9,203,210), and equipment and vehicles at 10.5 leased stations (\$9,342,837)

## 2005 AUIR NARRATIVE – EMS

- Permanent vs. Weighted
  - In 2002 it was determined that permanent population figures would be utilized for AUIR purposes.
  - Seasonal units would be brought into service during peak season to accommodate greater call loads. Such units use existing apparatus and these units are staffed with overtime personnel and deployed strategically based on system need.
- ALS Engines Program
  - Collier EMS currently has 21.5 ALS/Transports vehicles positioned to respond to 911 emergency calls 24/7. Each unit is staffed with a minimum of one Medical Director certified licensed paramedic and a state certified EMT. CCEMS is the sole licensed pre-hospital ALS transport agency in Collier County.
  - The 911 ALS pre-hospital, Non Transport ALS augments medical response licensed Fire apparatus. Currently there are 19 state licensed units. The license for these units is held and managed by Collier County EMS.
  - Five licensed fire apparatus are staffed by Collier County employed, cross-trained Paramedic/Firefighters. The fire departments provide an EMT/Firefighter in return to staff an ALS transport unit, creating a one for one FTE exchange. These units are staffed 24/7.
  - The remaining ALS licensed fire apparatus are staffed with state licensed paramedics acknowledged by the medical director to work in an ALS capacity, although not at the same medical protocol level as the aforementioned staffing.
  - The 19 ALS non-transport apparatus supplement the initial 911 response and in areas where stationed have the ability to put an ALS response on scene to initiate patient assessment and treatment prior to ALS transport arrival.

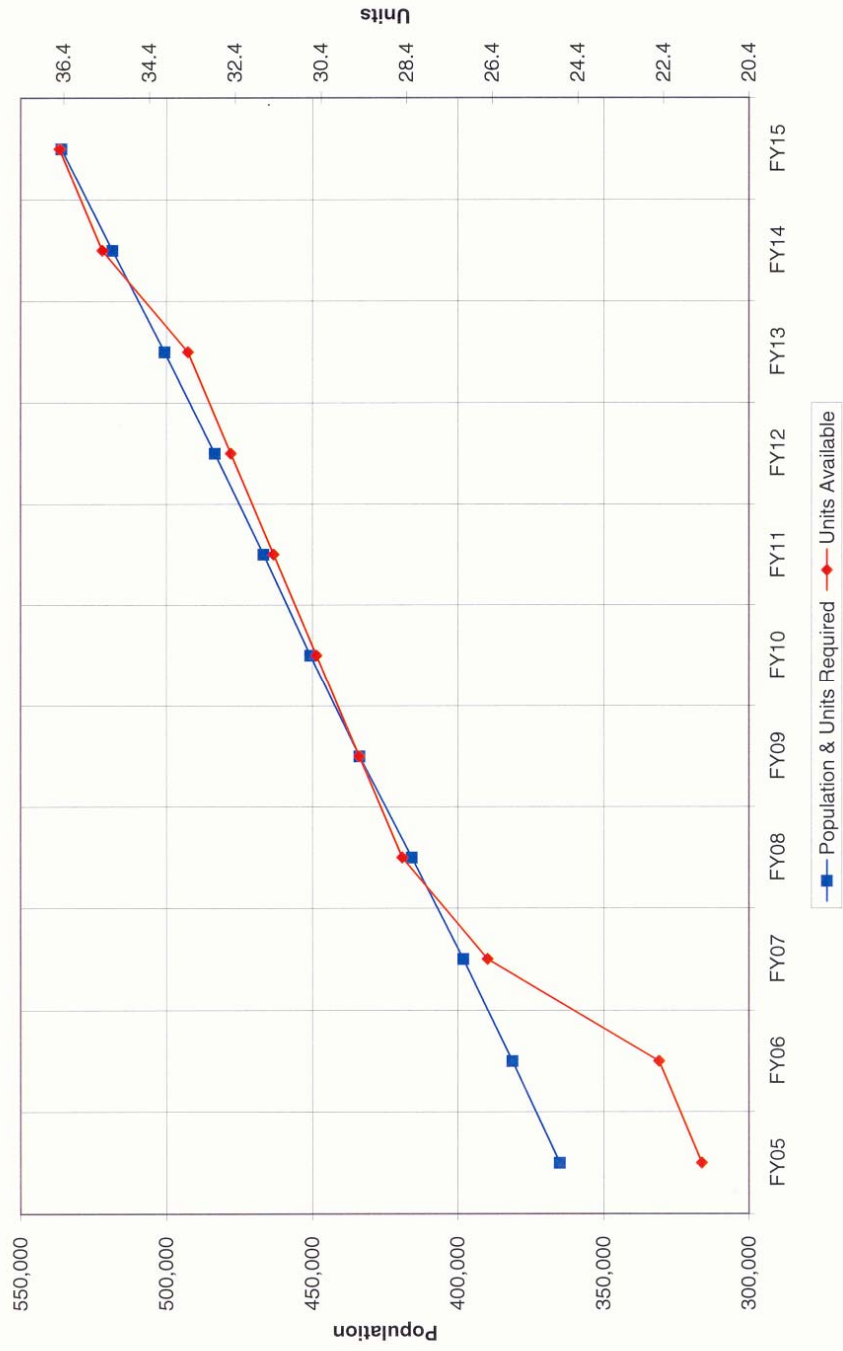


2005 AUJR  
EMS UNITS  
LOSS: 1 Unit / 15,000 Population (0.000068)

FISCAL YEAR	POPULATION CO-WIDE (Weighted)	EMS UNITS REQUIRED 0.000068	EMS UNITS PLANNED IN CIE	EMS UNITS AVAILABLE	SURPLUS/ (DEFICIENCY)	Intentionally Left Blank
2004-05	364,970	24.8	1	21.5	(3.3)	
2005-06	381,171	25.9	1	22.5	(3.4)	
2006-07	398,098	27.1	4	26.5	(0.6)	
2007-08	415,783	28.3	2	28.5	0.2	
2008-09	433,789	29.5	1	29.5	0.0	
2009-10	450,655	30.6	1	30.5	(0.1)	
2010-11	466,732	31.7	1	31.5	(0.2)	
2011-12	483,388	32.9	1	32.5	(0.4)	
2012-13	500,643	34.0	1	33.5	(0.5)	
2013-14	518,517	35.3	2	35.5	0.2	
2014-15	536,061	36.5	1	36.5	0.0	

TIME PERIOD	POPULATION (Weighted)	EMS UNITS REQUIRED .000068/CAPITA	EMS UNITS PLANNED IN CIE	EMS UNIT AVAILABLE	SURPLUS/ (DEFICIENCY)
PRESENT TO 9/30/2006	364,970	25.9	1.0	22.5	(3.4)
5 YEAR GROWTH 10/1/05-9/30/10	85,685	4.7	9.0		
5-YEAR SUBTOTAL 10/1/05-9/30/10	450,655	30.6	9.0	31.5	(0.1)
2ND 5-YR GROWTH 10/1/10-9/30/15	85,406	5.9	5.0		
10 YEAR TOTAL 10/1/05-9/30/15	536,061	36.5	588	36.5	0.0
Projects:					
FY 05-06 North Naples			FY 08-09 East Naples		FY 12-13 East Naples
FY 06-07 USH 41 & Fiddlers Creek			FY 09-10 North Naples & Old US 41		FY 13-14 North Naples

2005 AUJR Emergency Medical Services, LOSS: 0.000068 Units / Capita



**Collier County EMS Cost Per Owned Station** \*

Description	Cost	Percent of Total
Building Replacement Cost per Station	\$895,839	32%
Land Replacement Cost per Station	\$1,005,875	36%
Equipment & Vehicle Replacement Cost per Station	\$889,794	32%
<b>Total Cost per Station</b>	<b>\$2,791,508</b>	<b>100%</b>

**Collier County EMS Cost Per Shared Station** \*

Description	Cost	Percent of Total
Building Replacement Cost per Station	\$447,920	24%**
Land Replacement Cost per Station	\$502,938	28%**
Equipment & Vehicle Replacement Cost per Station	\$889,794	48%
<b>Total Cost per Station</b>	<b>\$1,840,652</b>	<b>100%</b>

\*Assumes construction of 6 owned EMS stations (\$16,749,048) and 3 shared EMS stations (\$5,521,956)=\$22,271,004

\*\*Assumes shared cost stations will have 1/2 the land and building replacement costs.

<b>Fiscal Year</b>	<b>05-06</b>	<b>06-07</b>	<b>07-08</b>	<b>08-09</b>	<b>09-10</b>
<b>Vehicle Purchase</b>					
Growth Ambulance	1				
Growth Command Vehicle					
Replacement Ambulance	2	5	5	4	2
Replacement Command Vehicles	1	2		2	6
Supply Vehicles			1		
<b>Capital Recovery Budget (1,000s)</b>	550	600	700	700	700
<b>Capital Recovery Purchase (1,000s)</b>	391	966	985	826	598
<b>Capital Recovery Balance (1,000s)</b>	1,030	664	379	253	355
<b>Recovery Purchase Cost 2005</b>					
Medium Duty Replacement	180,000		190,000		200,000
Command Vehicles	33,000				
Supply Vehicles	35,000				
<b>Total Five Year Replacement Cost</b>					
<b>FY 06 - FY 10 -- \$3,766,000.00</b>					

Equipment	Avg. Cost Per Component	Number of Replacements	Replacement Schedule				
			05-06	06-07	07-08	08-09	09-10
Backboards (3)	480.00	150	\$14,400.00	\$14,400.00	\$14,400.00	\$14,400.00	\$14,400.00
LP12	32,000.00	34	\$0.00	\$272,000.00	\$272,000.00	\$272,000.00	\$272,000.00
Portable Suction Unit	430.21	40	\$0.00	\$4,302.10	\$4,302.10	\$4,302.10	\$4,302.10
Reeves Stretcher	147.60	35	\$0.00	\$1,291.50	\$1,291.50	\$1,291.50	\$1,291.50
Stair Chair	1,600.00	35	\$0.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Patient Stretcher	2,600.00	35	\$0.00	\$22,750.00	\$22,750.00	\$22,750.00	\$22,750.00
<b>Totals</b>			\$14,400.00	\$328,743.60	\$328,743.60	\$328,743.60	\$328,743.60
<b>Total Five Year Replacement Cost</b>							<b>\$1,329,374.40</b>

### Existing EMS Owned Stations

<u>Station</u>	<u>Location</u>	<u>Square Footage</u>
Station 3	766 Vanderbilt Beach Road, Naples 34108	3,700
Station 5	4741 Golden Gate Parkway, Naples 34116	5,800
Station 6/7	112 South 1 <sup>st</sup> Street, Immokalee 34142	3,500
Station 9	11121 E. Tamiami Trail, Naples 34113	3,500
Station 10	7010 Immokalee Road, Naples, 34119	2,500
Station 12	14756 Immokalee Road, Naples 34120	3,700
Station 17	95 13 <sup>th</sup> Street SW, Naples, 34104	3,700
Station 21	2795 Airport Road, Naples 34105	3,200
Station 2	2375 Tower Drive, Naples 34104	4,962
Station 22	4375 Bayshore Drive, Naples 34112	3,579
Station 19	Sanda Barbara Blvd., Naples	4,986

<b>EMS Equipment</b>				
Portable Radios	7	61	\$2,778	\$169,458
Laptops	3	23	\$7,200	\$165,600
Mobile Radios	7	83	\$8,483	\$704,064
UHF Radio Ambulance	7	32	\$2,723	\$87,136
Pager with accessories	7	50	\$1,136	\$56,800
<b>Total Equipment Cost</b>				<b>\$1,183,058</b>

<b>Vehicles</b>				
ALS Ambulance(1)	8	30	\$241,844	\$7,255,320
Expedition	4	6	\$31,000	\$186,000
Crown Victoria	4	3	\$24,000	\$72,000
Econo Van	4	1	\$19,000	\$19,000
Hazmat Trailer	7	1	\$29,534	\$29,534
Boat and Boat Trailer	5	1	\$84,000	\$84,000
Chevrolet C4500	4	1	\$63,500	\$63,500
Haulmark	7	1	\$5,500	\$5,500
Total Vehicle Cost				\$7,714,854
<b>Total Vehicle and Equipment Cost</b>				<b>\$8,897,912</b>
Number of Stations				<b>11</b>
Average Unit Replacement Cost per Station				<b>\$808,901</b>

(1) Cost includes the vehicle cost of \$170,000 in addition to the equipment used ex. Stretchers, LP12, Auto Pulse etc. valued at \$71,843 per ambulance.

<b>Equip #</b>	<b>Cost</b>	<b>Date Acq</b>	<b>Year</b>	<b>Make</b>
<u>18</u>	\$88,348.25	05/19/1995	1995	FREIGHTLINER
<u>19</u>	\$95,776.00	09/06/1996	1996	FREIGHTLINER
<u>5</u>	\$95,276.00	09/18/1996	1996	FREIGHTLINER
<u>8</u>	\$95,276.00	09/26/1996	1996	FREIGHTLINER
<u>970068</u> <u>#22</u>	\$101,446.50	09/03/1997	1998	FREIGHTLINER
<u>21</u>	\$100,736.00	09/03/1997	1997	FREIGHTLINER
<u>6</u>	\$100,736.00	09/10/1997	1998	FREIGHTLINER
<u>16</u>	\$100,736.00	09/12/1997	1997	FREIGHTLINER
<u>11</u>	\$100,736.00	09/12/1997	1997	FREIGHTLINER
<u>12</u>	\$108,475.00	07/08/1998	1999	FREIGHTLINER
<u>2</u>	\$108,475.00	07/08/1998	1998	FREIGHTLINER
<u>23</u>	\$108,475.00	07/28/1998	1998	FREIGHTLINER
<u>3</u>	\$108,475.00	07/28/1998	1998	FREIGHTLINER
<u>980060</u> <u>#7</u>	\$108,475.00	07/28/1998	1998	FREIGHTLINER
<u>990029</u>	\$29,494.60	01/11/1999	1999	FORD
<u>990034</u>	\$29,494.60	01/22/1999	1999	FORD
<u>20000002</u>	\$29,949.36	11/29/1999	2000	FORD
<u>24</u>	\$114,948.75	04/18/2000	2000	FREIGHTLINER
<u>25</u>	\$114,948.75	04/18/2000	2000	FREIGHTLINER
<u>26</u>	\$114,948.75	04/21/2000	2000	FREIGHTLINER
<u>1</u>	\$114,948.75	04/21/2000	2000	FREIGHTLINER
<u>031172</u>	\$5,500.00	07/20/2001	2000	Haulmark
<u>010142</u>	\$27,751.00	07/26/2001	2001	FORD
<u>020015</u>	\$29,905.80	12/05/2001	2002	FORD
<u>020016</u>	\$29,905.80	12/05/2001	2002	FORD
<u>27</u>	\$137,013.00	02/14/2002	2001	FREIGHTLINER
<u>15</u>	\$132,910.00	10/16/2002	2003	Sterling
<u>28</u>	\$132,910.00	10/28/2002	2003	Sterling
<u>29</u>	\$133,451.00	10/28/2002	2003	Sterling
<u>030610</u>	\$18,558.91	12/23/2002	2003	FORD



<u>30</u>	\$132,910.00	01/16/2003	2003	Sterling
<u>31</u>	\$132,910.00	01/16/2003	2003	Sterling
<u>030615</u>	\$24,656.56	03/05/2003	2003	FORD
<u>17</u>	\$129,951.96	10/09/2003	2004	Sterling
<u>20</u>	\$129,958.74	10/09/2003	2004	Sterling
<u>4</u>	\$129,910.00	10/23/2003	2004	Sterling
<u>14</u>	\$129,910.00	10/23/2003	2004	Sterling
<u>10</u>	\$129,910.00	10/30/2003	2004	Sterling
<u>9</u>	\$129,910.00	11/02/2003	2004	Sterling
<u>040020</u>	\$23,322.95	12/05/2003	2004	FORD
<u>040021</u>	\$23,322.95	12/05/2003	2004	FORD
<u>042880</u>	\$7,722.00	03/23/2004	2000	PARKER
<u>042881</u>	\$824.00	03/23/2004	2000	FLOAT-ON
<u>050300</u>	\$29,534.07	12/12/2004	2005	WELLS CARGO
<u>050386</u>	\$63,500.00	03/02/2005	2005	CHEVROLET
<u>7</u>	\$139,035.74	05/27/2005	2003	INTERNATIONAL
<u>22</u>	\$129,089.29	05/27/2005	2005	INTERNATIONAL

# COUNTY GOVERNMENT BUILDINGS

## CONTENTS

### SUMMARY FORM.....GOVERNMENT BUILDINGS

- GOVERNMENT BUILDINGS LEVEL OF SERVICE (LOSS) OF 1.7 SQUARE FEET/CAPITA POPULATION USING WEIGHTED POPULATION PROJECTIONS
- CHART WITH LOSS OF 1.7 SQUARE FEET/PER CAPITA
- GOVERNMENT BUILDINGS CAPITAL IMPROVEMENTS PLAN FOR FY 06-FY 10
- GENERAL GOVERNMENT BUILDINGS IMPACT FEE STUDY....BASE INVENTORY

**2005 AUR FACILITY SUMMARY FORM**

**Facility Type:** *Government Buildings* (Category B)

**Level of Service Standard:** 1.7 sq. ft. per capita (weighted)

**Unit Cost:** \$307.20

	<u>Square Feet</u>	<u>Value/Cost</u>
Available Inventory 9/30/05:	604,181	\$185,603,798
Approved Capital Projects (FY06 and prior years):	218,784	\$67,210,258
 <u>Weighted Population Calculations</u>		
Required Inventory 9/30/10	766,114	\$235,349,566
Proposed CIE FY06-10 (not including FY06 projects)	7,487	\$2,300,000
5-year Surplus or (Deficit)	64,338	\$19,764,490
 <u>Expenditures</u>		
Proposed CIE FY 06-10 expenditure dollar amount (not including FY06 projects)		\$2,300,000
Debt Service Payments (existing bonds and loans)		\$19,653,766
Total Expenditures		<u>\$21,953,766</u>
 <u>Revenues</u>		
Impact Fees anticipated *		\$14,203,660
Other revenues (Non-Impact Fee transfers, loan proceeds and carry forward)		\$4,172,900
Total Revenues		<u>\$18,376,560</u>
Additional Revenues Required		\$3,577,206
	TOTAL	<u>\$21,953,766</u>

**Board Action:**

Continue planning on 1.7 sf per capita (weighted) and do not plan any projects in the FY2006-2010 timeframe unless outside funding is available.

\* Current Impact Fees are based on \$219.47 per square foot (includes \$35.15 for land) and recent actual costs are approximately \$390 per square foot (not including land, \$500 per square foot including providing parking garages at the County Complex, not including land).

2005 AUIR  
Government Buildings  
LOSS: 1.7 sf / capita

FISCAL YEAR	POPULATION CO-WIDE (Weighted)	SQUARE FEET REQUIRED 1.7	SQUARE FEET PLANNED IN CIE	SQUARE FEET AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT #REF!
03-04	349,463	594,087	32,905	604,181	10,094	#REF!
04-05	364,970	620,449	0	604,181	(16,268)	#REF!
05-06	381,171	647,991	16,000	620,181	(27,810)	#REF!
06-07	398,098	676,767	124,091	744,272	67,505	#REF!
07-08	415,783	706,831	86,180	830,452	123,621	#REF!
08-09	433,789	737,441	0	830,452	93,011	#REF!
09-10	450,655	766,114	0	830,452	64,338	#REF!
10-11	466,732	793,444	0	830,452	37,008	#REF!
11-12	483,388	821,760	0	830,452	8,692	#REF!
12-13	500,643	851,093	42,946	873,398	22,305	#REF!
13-14	518,517	881,479	70,000	943,398	61,919	#REF!
14-15	536,061	911,304	112,840	1,056,238	144,934	#REF!

TIME PERIOD	POPULATION CO-WIDE (Weighted)	SQUARE FEET REQUIRED 1.7/CAPITA	SQUARE FEET PLANNED IN CIE	SQUARE FEET AVAILABLE	SURPLUS/ (DEFICIENCY)	VALUE OR (COST) AT #REF!
AS OF 10/1/05	364,970	620,449	32,905	604,181	(16,268)	#REF!

5 YEAR GROWTH 10/1/05-9/30/10 85,685 145,665 226,271

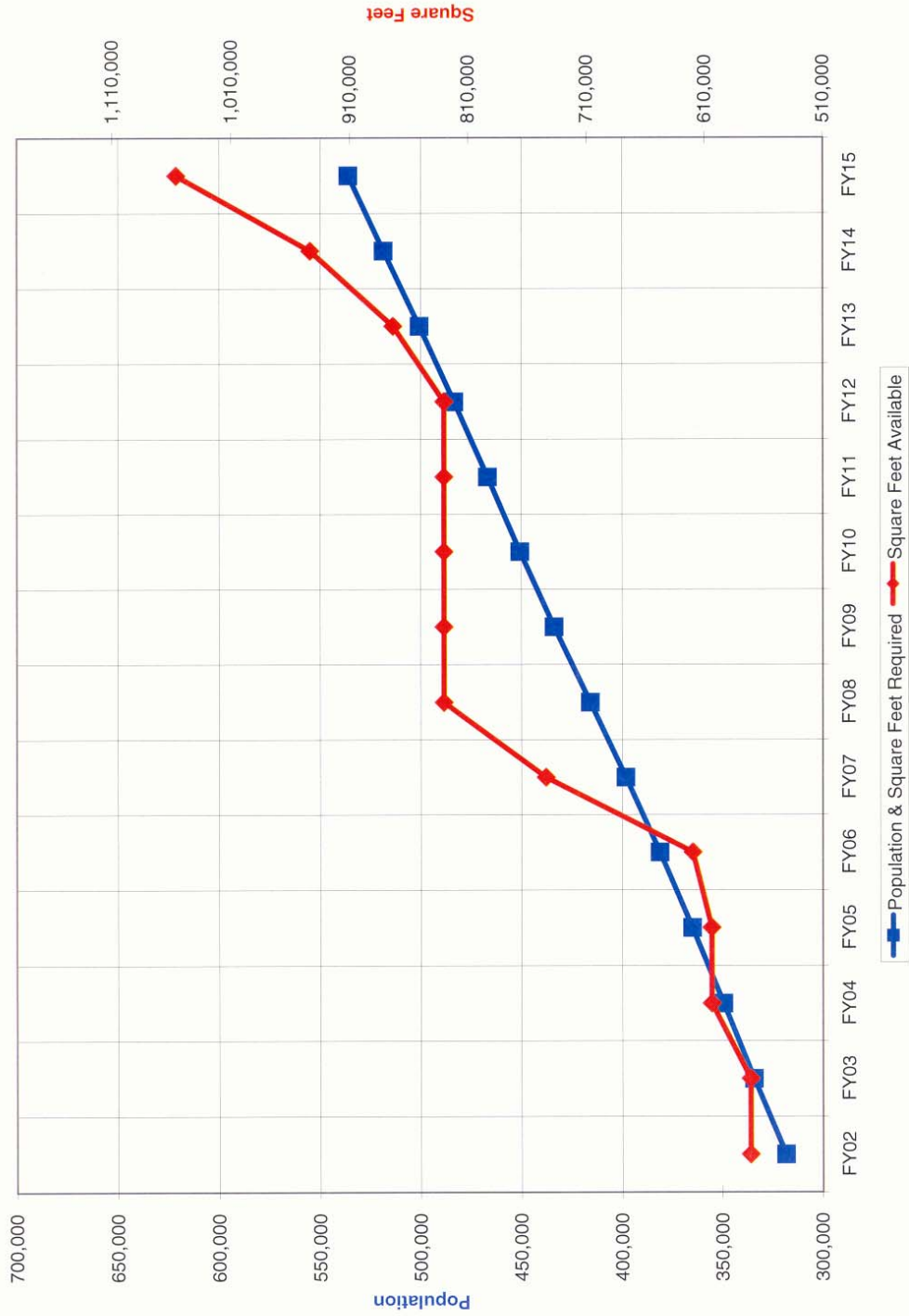
5-YEAR SUBTOTAL 10/1/05-9/30/10 450,655 766,114 226,271 830,452 64,338 #REF!

2ND 5-YR GROWTH 10/1/10-9/30/15 85,406 145,190 225,786

10 YEAR TOTAL 10/1/05-9/30/15 536,061 911,304 452,057 1,056,238 144,934 #REF!

NOTES:

2005 AUJR Government Buildings, LOSS: 1.7 Square Feet / Capita (Weighted)



(1/17/06)

## Government Buildings Capital Improvement Plan for 2005 AUIR

(Note: Master Plan to be updated in 2006)

Fund Source	Project	Sq. Feet	\$/ Sq. Ft.	Cost Total	Design		Construction		Prepared: February 6, 2006
					FY	Budget	FY	Budget	

Projects Under Construction										
GG	North Collier Govt. Serv Center	16,000	269.00	4,304,000	2001	500,000	2002	3,804,000	2006	
GG	Annex Parking Deck		54.30	19,188,968	2003	1,000,000	2005	18,188,968	2006	
GG	Courthouse Annex Phase 1	75,916	311.88	23,677,000	2000	2,500,000	2005	21,177,000	2007	
<b>SUBTOTAL</b>		<b>91,916</b>	<b>513.19</b>	<b>47,169,968</b>		<b>4,000,000</b>		<b>43,169,968</b>		

Projects Approved for Construction										
GG	Courthouse Annex Phase 2*	18,473	252.25	14,000,000	2005	1,000,000	2006	13,000,000	2007	
GG	Fleet Facility**	22,871	180.65	6,375,000	2003	325,000	2005	6,050,000	2008	
GG	Emergency Services Complex	55,822	319.02	17,808,359	2003	1,267,318	2005	16,541,041	2008	
	Fairgrounds*****	-5,348							2007	
	Sheriff's CID*****	35,050							2007	
<b>SUBTOTAL</b>		<b>126,868</b>	<b>300.97</b>	<b>36,183,359</b>		<b>2,592,318</b>		<b>35,591,041</b>		

Proposed CIE FY06-10										
	CAT Operations Facility	7,487	307.20		2006	200,000	2007	2,100,000	2008	
<b>SUBTOTAL</b>		<b>7,487</b>	<b>307.20</b>	<b>2,300,000</b>		<b>200,000</b>		<b>2,100,000</b>		

Planned Projects Beyond FY2010										
GG	Judges Parking Lot Addition	n/a	n/a	250,000	2011	50,000	2012	200,000	2013	
GG	Courthouse Annex Phase 3*	36,946	179.99	6,650,000	2011	650,000	2012	6,000,000	2013	
GG	Tax Collector North Office	6,000	375.00	2,250,000	2011	250,000	2012	2,000,000	2013	
GG	Health & Public Services Add	50,000	350.00	17,500,000	2011	1,500,000	2012	16,000,000	2014	
GG	Heritage Bay GSC 7.7 Acres	20,000	350.00	7,000,000	2011	750,000	2012	6,250,000	2014	
GG	Building W Storage		225.00	1,800,000	2011	200,000	2012	1,600,000	2013	
GG	Parking Deck (By the Church), 840 spa		48.98	14,400,000	2011	1,400,000	2012	13,000,000	2013	
GG	BCC Building***	112,840	350.00	42,000,000	2012	4,000,000	2013	38,000,000	2015	
GG	Office Building S	110,000	350.00	38,500,000	2013	4,000,000	2014	34,500,000	2016	
GG	Building F Renovations****	-14,572	250.00		2015	2,000,000	2016	22,000,000	2018	
GG	Office Building R	110,000	386.36	42,500,000	2017	4,500,000	2018	38,000,000	2020	
<b>SUBTOTAL</b>		<b>431,214</b>	<b>456.50</b>	<b>196,850,000</b>		<b>19,300,000</b>		<b>177,550,000</b>		

		<b>657,485</b>	<b>432.71</b>	<b>284,503,327</b>						
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\* Courthouse Annex Phase 2 provides shell floor space, one finished floor plus Chiller Plant Expansion; Phase 3 finishes the remaining two floors for occupancy  
 \*\* Fleet Facility includes adding 39,290 sf when replacing current facilities  
 \*\*\* BCC Building includes demolition of Building "B", 7,160 sf; the Master Plan shows this project in 2007  
 \*\*\*\* Building F Renovations includes the addition of 16,000 sf for elevator corridor and the demolition of buildings C-1 and C-2 at 30,572 sf  
 \*\*\*\*\* Sheriff's CID to be turned over upon completion of Sheriff's Special Ops Facility  
 \*\*\*\*\* Fairgrounds buildings to be turned over to Parks & Rec

**GENERAL GOVERNMENTAL FACILITIES:**  
**General Governmental Facilities Impact Fees (390)**

	FY 05 Adopted	FY 05 Actual/Forecast	FY 06 Adopted	FY 07 Projected	FY 08 Projected	FY 09 Projected	FY 10 Projected	FY 06 - FY 10 Total
<b>Approved Revenues</b>								
Impact Fees	3,000,000	2,682,100	2,600,000	2,715,415	2,836,001	2,961,988	3,090,256	14,203,660
Loan Proceeds	65,293,000	90,802,000	13,000,000	0	0	0	0	13,000,000
Carry Forward	(21,243,000)	3,422,600	2,002,900	0	0	0	0	2,002,900
Revenue Reserve	(150,000)	0	(130,000)	0	0	0	0	(130,000)
<b>Total Approved Revenues:</b>	<b>46,900,000</b>	<b>96,916,700</b>	<b>17,472,900</b>	<b>2,715,415</b>	<b>2,836,001</b>	<b>2,961,988</b>	<b>3,090,256</b>	<b>29,076,560</b>

**Proposed Revenues**

Additional Impact Fees - increase percentage of Loan Proceeds	0	0.00%	0	0	0	0	0	0
Non-Impact Fee Projects Transfers	0	0	0	0	0	0	0	0
<b>Total Proposed Revenues:</b>	<b>2,300,000</b>		<b>2,300,000</b>	<b>2,300,000</b>	<b>2,300,000</b>	<b>2,300,000</b>	<b>2,300,000</b>	<b>2,300,000</b>

**Total Revenues**

	17,472,900	5,015,415	2,836,001	2,961,988	3,090,256	31,376,560
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**Approved Debt Service Expenses**

2002 bond N N Satellite Offices	222,594	222,594	222,326	222,253	222,052	221,743	221,404	1,109,778
2005 bond CH Annex, Garage, EOC, Fleet	586,194	586,194	3,455,100	3,774,160	3,764,423	3,776,872	3,773,433	18,543,988
<b>Total Approved Debt Service Payments</b>	<b>808,788</b>	<b>808,788</b>	<b>3,677,426</b>	<b>3,996,413</b>	<b>3,986,475</b>	<b>3,998,615</b>	<b>3,994,837</b>	<b>19,653,766</b>

**Proposed Debt Service Expenses**

Future Bonds (20 Years @4%)	0	0	0	0	0	0	0	0
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**Project Expenses**

FY2006 Approved Projects	13,000,000	0	0	0	0	0	0	13,000,000
FY2007-2010 Proposed Projects	200,000	2,100,000	0	0	0	0	0	2,300,000
<b>Total Project Expenses</b>	<b>13,200,000</b>	<b>2,100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,300,000</b>

**Total Expenses**

	16,877,426	6,096,413	3,986,475	3,998,615	3,994,837	34,953,766
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**Approved Revenues less Approved Expenses**

	595,474	(1,280,998)	(1,150,474)	(1,036,627)	(904,581)	(3,777,206)
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**Approved Revenues less Total Expenses**

	595,474	(3,380,998)	(1,150,474)	(1,036,627)	(904,581)	(5,877,206)
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**Total Revenues less Total Expenses**

	595,474	(1,080,998)	(1,150,474)	(1,036,627)	(904,581)	(3,577,206)
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**GENERAL GOVERNMENT BUILDINGS**  
**Impact Fee Study**  
**Base Inventory**

<u>Name of Structure</u>	<u>Address</u>	<u>Square Feet</u>
Sheriff's CID Building*	2373 Horseshoe Drive	
Arthrex (Transportation)	2885 Horseshoe Drive South	32,905
GG Service Center	4715 Golden Gate Parkway	7,236
Marco Tax Collector	1040 Winterberry	2,699
Immokalee Courthouse	106 S. 1st Street	10,495
Immokalee Health Department (CHSI)	419 N. 1st Street	14,778
Immokalee Barn (First Floor)	402 Stockade Road	7,265
Immokalee Barn (Second Floor)	402 Stockade Road	7,265
Imm. Transportation Bldg.	550 Stockade Road	3,358
Fairgrounds Office**		1,748
Fairgrounds Maintenance Bldg.**		3,600
Agriculture Building	14700 Immokalee Road	13,361
Medical Examiners Office	3838 Domestic Avenue	13,238
Building "B" Elections	3301 E. Tamiami Trail	7,160
Building "C-1" Tax Collector	3301 E. Tamiami Trail	14,719
Building "C-1 Addition" Tax Collector	3301 E. Tamiami Trail	3,307
Building "C-2" Property Appraiser	3301 E. Tamiami Trail	10,142
Building "C-2 Addition" Property Appraiser	3301 E. Tamiami Trail	2,404
Building "D" PWED	3301 E. Tamiami Trail	8,388
Building "E" Snack Bar	3301 E. Tamiami Trail	713
Building "F" Administration 1st Floor	3301 E. Tamiami Trail	10,771
Building "F" Administration 2nd Floor	3301 E. Tamiami Trail	10,848
Building "F" Administration 3rd Floor	3301 E. Tamiami Trail	10,858
Building "F" Administration 4th Floor	3301 E. Tamiami Trail	10,858
Building "F" Administration 5th Floor	3301 E. Tamiami Trail	10,858
Building "F" Administration 6th Floor	3301 E. Tamiami Trail	10,858
Building "F" Administration 7th Floor	3301 E. Tamiami Trail	10,858
Building "F" Administration 8th Floor	3301 E. Tamiami Trail	10,858
Building "G" Transportation	3301 E. Tamiami Trail	5,569
Building "H" Health 1st Floor	3301 E. Tamiami Trail	24,385
Building "H" Health 2nd Floor	3301 E. Tamiami Trail	29,775
Building "H" Health 3rd Floor	3301 E. Tamiami Trail	30,080
Building "L" Courthouse 1st Floor	3301 E. Tamiami Trail	22,951
Building "L" Courthouse 2nd Floor	3301 E. Tamiami Trail	23,497
Building "L" Courthouse 3rd Floor	3301 E. Tamiami Trail	22,021
Building "L" Courthouse 4th Floor	3301 E. Tamiami Trail	22,211
Building "L" Courthouse 5th Floor	3301 E. Tamiami Trail	22,041
Building "L" Courthouse 6th Floor	3301 E. Tamiami Trail	22,041
Building "L" Courthouse Mezz.	3301 E. Tamiami Trail	22,949
Building "W" General Services - 1st Floor	3301 E. Tamiami Trail	21,782
Building "W" General Services - 2nd Floor	3301 E. Tamiami Trail	21,840
Stormwater/Aquatic Plant	2901 County Barn Road	1,375

(1/17/06)



**GENERAL GOVERNMENT BUILDINGS**  
**Impact Fee Study**  
**Base Inventory**

<u>Name of Structure</u>	<u>Address</u>	<u>Square Feet</u>
County Barn (1st Fl.)	2901 County Barn Road	16,419
County Barn (2nd Fl.)***	2901 County Barn Road	<b>6,822</b>
Animal Control Admin.	7610 Davis Boulevard	8,933
Animal Ctr'l Sally Port	7610 Davis Boulevard	6,727
Animal Ctr'l Kennel 1	7610 Davis Boulevard	3,949
Animal Ctr'l Kennel 2	7610 Davis Boulevard	3,949
Animal Ctr'l Kennel 3	7610 Davis Boulevard	3,949
Animal Ctr'l Stable	7610 Davis Boulevard	3,159
Airport Place - Tax Collector	721 Airport Rd. S	6,208
800 MGHZ Generator Bldg.	312 Stockade Road	238 †
Imm. Animal Control Kennel	402 Stockade Road	1,408 †
Imm. Animal Control Stable	402 Stockade Road	1,492 †
Immokalee Radio Tower Shed	312 Stockade Road	16 †
Road & Bridge Shed	402 Stockade Road	102 †
Road & Bridge Fuel Island	402 Stockade Road	818 †
Building "K" Chiller Building	3301 E. Tamiami Trail	5,520 †
800 MGHZ Generator	2901 County Barn Road	368 †
Fuel Island/Canopy	2901 County Barn Road	1,012 †
Fuel Tank Containment	2901 County Barn Road	694 †
Road & Bridge Shed	2901 County Barn Road	190 †
Information Tech. Shed	2901 County Barn Road	410 †
Natural Resources Shed #1	2901 County Barn Road	122 †
Natural Resources Shed #2	2901 County Barn Road	122 †
ICP Restroom/Office	321 N. 1st Street	848 †
Fleet Shed #1	2901 County Barn Road	132 †
Fleet Shed #2	2901 County Barn Road	132 †
Fleet Shed #3	2901 County Barn Road	132 †
Fleet Shed #4	2901 County Barn Road	132 †
Fleet Shed #5	2901 County Barn Road	237 †
Generator Fuel Containment	2901 County Barn Road	58 †

\* to be turned over upon completion of Sheriff Special Ops Facility

\*\* to be transferred to Parks & Rec

\*\*\* Correction - previously reported as 16,419 sf

† square footage not included in total but the value of the facilities is included in the Impact Fee Study calculations

**TOTAL            604,181**

(1/17/06)

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# APPENDIX

## **COLLIER COUNTY POPULATION ESTIMATES AND PROJECTIONS:**

- County Permanent Population Estimates and Projections (Oct. 1)
- County Permanent Population Estimates and Projections (April 1)
- County Peak Season and Weighted Average Population Estimates and Projections
- County Dependent Fire Control Districts Population Estimates and Projections
- County Water and Sewer Districts Population Estimates and Projections (includes Golden Gate Estates, Golden Gate City, and Pine Ridge Subdivision within the Water and North Sewer Districts)
- County Water and Sewer Districts Population Estimates and Projections (excludes includes Golden Gate Estates, Golden Gate City, and Pine Ridge Subdivision within the Water and North Sewer Districts)
- County Orangetree Service Area Population Estimates and Projections

**SOURCE: COMPREHENSIVE PLANNING DEPARTMENT, OCTOBER 1, 2005, ESTIMATES AND PROJECTIONS**

COLLIER COUNTY PERMANENT POPULATION ESTIMATES and PROJECTIONS

By Planning Community and City

October 1st 2000 - 2015

Planning Community	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	estimates	
Planning Community	48,857	51,175	53,119	54,637	56,128	57,762	59,471	61,259	63,138	65,068	66,964	68,904	70,888	72,919	74,997	77,124	79,301	81,528	83,805	86,132	88,509	90,936	93,413	95,940	98,517	101,144	103,821	106,548	109,325	112,152	115,029	
Everglades City	22,021	22,769	23,570	24,516	25,347	26,082	26,809	27,591	28,413	29,253	30,042	30,799	31,584	32,397	33,241	34,070	34,928	35,786	36,654	37,522	38,390	39,258	40,126	40,994	41,862	42,730	43,598	44,466	45,334	46,202	47,070	
Marco Island	18,604	19,119	19,556	19,878	20,134	20,420	20,720	21,033	21,362	21,698	22,015	22,318	22,632	22,958	23,296	23,628	23,964	24,302	24,642	24,984	25,328	25,674	26,022	26,372	26,724	27,078	27,434	27,792	28,152	28,514	28,878	29,244
Naples	24,472	24,708	24,918	25,079	25,246	25,381	25,521	25,669	25,823	25,981	26,130	26,273	26,420	26,573	26,732	26,888	27,048	27,212	27,378	27,546	27,716	27,888	28,062	28,238	28,416	28,596	28,778	28,962	29,148	29,336	29,526	29,718
Unincorporated SUM	22,137	23,456	24,695	26,044	27,441	28,941	30,504	32,132	33,822	35,572	37,384	39,257	41,192	43,188	45,246	47,368	49,546	51,780	54,070	56,416	58,818	61,276	63,790	66,359	68,984	71,665	74,402	77,195	80,045	82,950	85,910	88,925
Cities	484	498	515	525	539	559	608	722	841	915	936	950	964	971	978	986	994	1,002	1,010	1,018	1,026	1,034	1,042	1,050	1,058	1,066	1,074	1,082	1,090	1,098	1,106	1,114
Unincorporated SUM	36,304	37,262	37,991	38,379	38,868	39,583	40,319	41,050	41,785	42,522	43,261	44,002	44,744	45,487	46,232	46,978	47,725	48,474	49,224	49,975	50,727	51,480	52,234	52,989	53,745	54,502	55,260	56,019	56,779	57,540	58,302	59,065
<b>COUNTYWIDE TOTAL</b>	<b>257,926</b>	<b>270,966</b>	<b>284,962</b>	<b>299,328</b>	<b>313,046</b>	<b>327,071</b>	<b>341,726</b>	<b>357,037</b>	<b>373,034</b>	<b>389,321</b>	<b>404,577</b>	<b>419,121</b>	<b>434,187</b>	<b>449,796</b>	<b>465,965</b>	<b>481,835</b>	<b>498,306</b>	<b>515,380</b>	<b>533,059</b>	<b>551,345</b>	<b>570,239</b>	<b>589,742</b>	<b>609,855</b>	<b>630,578</b>	<b>651,912</b>	<b>673,857</b>	<b>696,414</b>	<b>719,583</b>	<b>743,365</b>	<b>767,762</b>	<b>792,775</b>	<b>818,404</b>

Notes:  
 1) These estimates and projections are based upon the spreadsheet of permanent population prepared for April 1, 2000-2016.  
 2) Estimates and projections are derived from data obtained from 2000 Census, Bureau of Economic and Business Research (BEER), population bulletins; Collier County Comprehensive Planning staff; Planning staff from Naples and Marco Island; and, an Everglades City consultant.  
 3) Some of the Totals may not equal the sum of the individual figures due to rounding.

Prepared by Collier County Comprehensive Planning Department 10/04/2005.













COLLIER COUNTY ORANGETREE SERVICE AREA POPULATION ESTIMATES and PROJECTIONS 2000 - 2015

	estimates 2000	estimates 2001	estimates 2002	estimates 2003	estimates 2004	projections 2005	projections 2006	projections 2007	projections 2008	projections 2009	projections 2010	projections 2011	projections 2012	projections 2013	projections 2014	projections 2015
Orangetree	1,121	1,399	1,755	2,112	2,468	2,839	3,430	3,945	4,486	5,038	5,558	6,056	6,572	7,108	7,663	8,208
Permanent Population (Oct.1)	1,482	1,860	2,334	2,810	3,283	3,908	4,562	5,247	5,966	6,701	7,392	8,054	8,741	9,453	10,192	10,917
Peak Season Population	1,244	1,551	1,946	2,342	2,737	3,258	3,804	4,375	4,974	5,587	6,163	6,715	7,288	7,882	8,487	9,102

notes:  
 1) Estimates and projections are derived from data obtained from: 2000 Census; Bureau of Economic and Business Research (BEBR) population bulletins; Collier County Comprehensive Planning staff; Planning staff from Naples and Marco Island; and, an Everglades City consultant.  
 2) Peak Season population is derived by increasing each year's October 1 permanent population by 33% (.33).  
 3) Weighted Average Population equals the sum of 67% of the Permanent Population (8 months) plus 33% of the Peak Season Population (4 months), for each respective year. This population is more conservative than

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