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ANNUAL UPDATE AND INVENTORY REPORT ON PUBLIC FACILITIES 2015

CATEGORY “A” FACILITIES (Concurrency Regulated)

1. County Arterial & Collector Roads & Bridges
2. Stormwater Management System
3. Potable Water System
4. Wastewater Collection & Treatment Systems
5. Solid Waste Disposal
6. Collier County Schools – Capital Improvement Plan
7. Parks and Recreation Facilities
 - Community Park Land
 - Regional Park Land
8. CIE Amendment Submittals for Category A Facilities
 - Exhibit “A”, Capital Improvements (Next 5 Years)
 - Appendix “H”, Capital Improvements (Future Years 6 – 10)

COUNTY ROADS & BRIDGE FACILITIES

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- **COUNTY ARTERIAL AND COLLECTOR ROADS & BRIDGES – SUMMARY**
- **ATTACHMENT A: FIVE YEAR REVENUES – PREVIOUS vs. CURRENT AUIR**
- **ATTACHMENT B: TRANSPORTATION SYSTEM EXISTING CONDITIONS REPORT**
- **ATTACHMENT C: PERCENTAGE CHANGE IN PEAK HOUR DIRECTIONAL VOLUME FROM PREVIOUS YEAR – MAP**
- **ATTACHMENT D: PROPOSED TRANSPORTATION 5-YEAR WORK PROGRAM**
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- **ATTACHMENT H: PROJECTED DEFICIENT ROADS – MAP**
- **ATTACHMENT I: TRANSPORTATION CONCURRENCY MANAGEMENT AREA REPORT – EAST CENTRAL TCMA AND NORTHWEST TCMA**
- **ATTACHMENT J: ACTIVITY REPORT ON CONTINUING PROJECTS UNDER CONTRACT**

2015 AUIR FACILITY SUMMARY

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

Level of Service Standard: Variable - "D" or "E"

Unit Cost: Variable (Average = \$4,567,000/ lane mile) Per Current Approved Transportation Impact Fee

Recommended Work Program FY 16-20	\$246,963,000
Recommended Revenues FY16-20	\$246,963,000
Five-Year Surplus or (Deficit)	\$0

1. Existing Revenue Sources:

A. Current Revenues CIE FY 16-20

Impact Fees	\$47,800,000
Gas Taxes	\$92,500,000
General Fund 001/111	\$77,987,000
Grants/Reimbursements/DCAs/Interest	\$12,514,000
SUB TOTAL	<u>\$230,801,000</u>
Carry Forward	\$17,605,000 *
Less 5% Required by Law	<u>(\$1,443,000)</u>
TOTAL	\$246,963,000

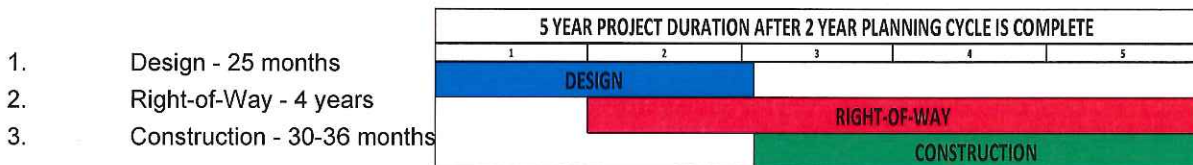
2. Supplemental Revenue Sources:

- A. Alternative I
None Required
- B. Alternative II
None Required

Recommended Action:

That the BCC direct the County Manager or his designee to include County road projects appearing on "Proposed Transportation Five-Year Work Program," (Attachment D), as detailed in the "Collier County Transportation Planning Database" (Attachment F), in the next Annual CIE Update and Amendment with the application of revenues outlined on the Road Financing Plan (Attachment E) to establish financial feasibility of the CIE.

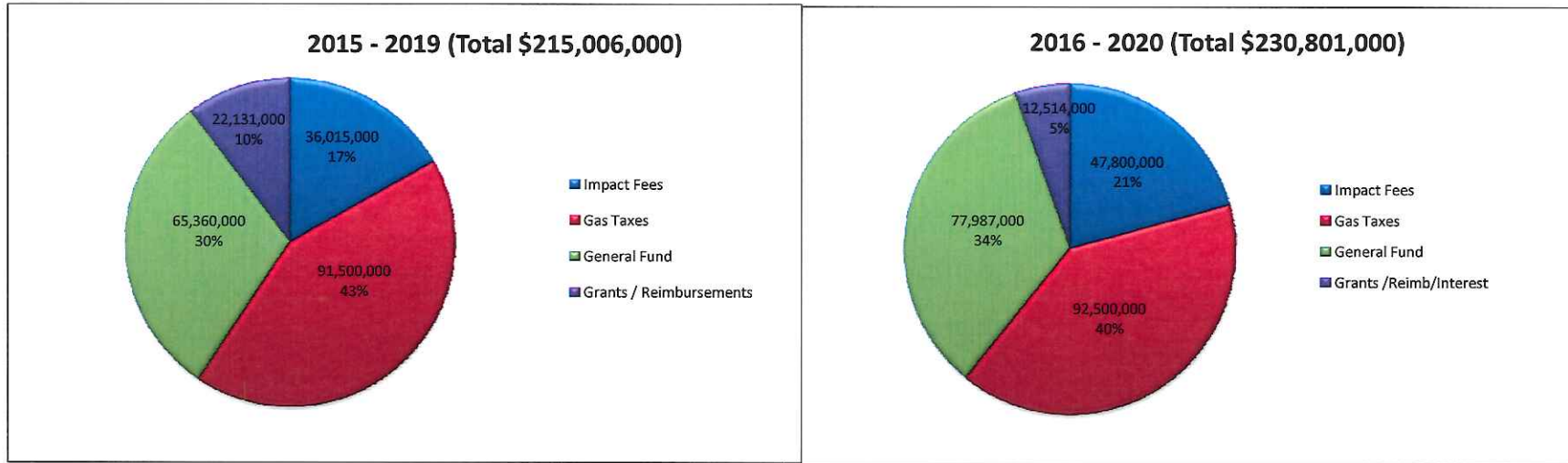
* Carry Forward includes the budgeted FY16 Carry forward and does not include project funding encumbered in prior fiscal years. The actual Carry Forward number that includes the roll of encumbrances is not available until after October 1, 2015. Attachment J provides a snapshot of prior year FY15 project activity as of July 31, 2015 for continuing projects. Project costs are generally paid out over the following schedule for phases (average time for payout):



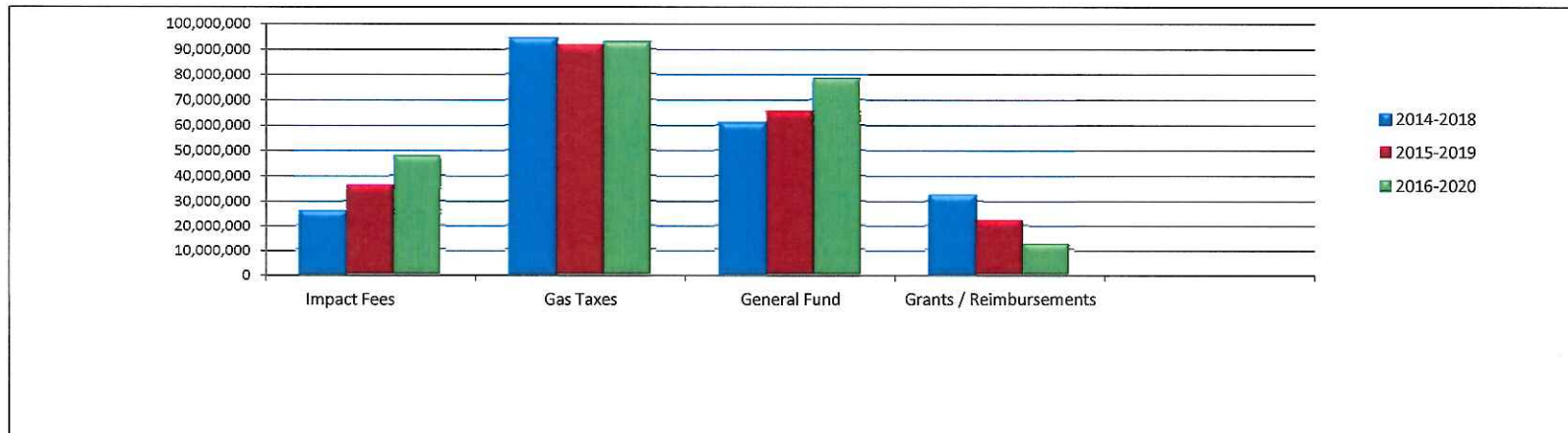
Note: FY 2015 Revenues based on current adopted Impact Fee Schedule, projected gas tax revenues, budgeted general fund transfer, and approved grants and developer contribution agreements. Expenditures are based on current unit cost.

9/4/2015

Five Year Revenues: 2014 AUIR vs. 2015 AUIR



9



*Charts do not include Carry Forward of \$ 15,418,000 or a negative Revenue Reserve of \$ 1,443,000.

Attachment “B”

TRANSPORTATION EXISTING CONDITIONS REPORT – 2015

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 and to guide budgeting and project programming in the CIE.

Considerations:

- The traffic counts are collected on an annual, seasonal or quarterly basis, and are factored as needed to determine a peak hour peak directional volume. The factors used include a directional factor and a seasonal factor that varies depending on the week that the traffic count was conducted.
- The Level of Service (LOS) threshold volumes are calculated using ARTPLAN and HIGHPLAN software. Measured volume is based on the 250th highest hour, which essentially equates to the 100th highest hour after omitting February and March data, consistent with the Growth Management Plan and Land Development Code provisions. The remaining capacity is based on the difference between the LOS threshold volume and the calculated existing plus trip bank volume.
- The AUIR deals with system capacity and maintaining the established LOS through our Concurrence Management System. As the system expands, there is a growing need to focus our attention on the condition of existing facilities and the demand for Operations and Maintenance (O&M) funding. Our bridges and culverts are approaching, or are at their 50 year life-cycle. Over 250 additional lane miles of urban and rural, arterial and local roads have been added to the county system for maintenance since 2000. Historical funding for O&M has not addressed industry standards for anticipated life-cycles which are 6 to 8 years for urban roadways and 12 to 15 years for rural roadways. Gas taxes are already at the maximum allowed by statute. Complicating this issue is the reliance on impact fees as directed by our “growth pays for growth” policy which can only be used to add additional capacity or new lane miles to the system. The prior aggressive program to add capacity allowed existing system mileage to be rebuilt and the mileage to be maintained throughout the construction cycle by the contractor. Volatile impact fee rates and revenues alone cannot sustain a multi-year capital program that provides improvements concurrent with the impacts of development. Capacity expansion projects require a multi-year funding plan in order to meet the 7 year construction cycle that includes: planning, design, ROW acquisition, permitting and construction. LOS standards already set at the lowest acceptable levels of “D” or “E”.

Attachments

Attached is the 2015 Collier County Transportation Planning Database table, which incorporates the proposed FY 16 to FY 20 Capital Improvement Program (CIP).

Observations

Of the 129 stations (covering 141 unique Segment ID’s and excluding those in the City of Naples) collecting traffic counts in the 2014/2015 program, the average increase in measured overall volume between 2014 and 2015 was 4.85%, system-wide. By comparison, the average increase between 2013 and 2014 reported in last year’s AUIR was 7.1%.

When reviewing only higher capacity roadway segments in the County’s network (only those with capacity over 1,000 vehicles per hour in the peak direction during the peak period) an average increase of 3.42% was experienced over 2014.

For the 2014/2015 traffic counts, 39 segments reflected a decrease, and 97 segments reflected an increase over the previous year (5 remained unchanged). Listed below are the numbers and corresponding percentages for the count stations, including the percentage changes between 2014/2015:

- 5.7% (8 segments) show an increase greater than 20% compared to 2014
- 17.0% (24 segments) show an increase of 10-20% compared to 2014
- 17.7% (25 segments) show an increase of up to 5-10% compared to 2014
- 50.4% (71 segments) show an insignificant change of -5%-5% compared to 2014
- 5.0% (7 segments) show a decrease of 5-10% compared to 2014
- 2.8% (4 segments) show a decrease of 10-20% compared to 2014
- 1.4% (2 segments) show a decrease of greater than 20% compared to 2014

Florida Department of Transportation counts traffic on the segments of I-75 between each interchange each year. A review of the most recent average annual growth rates for the last 2 and 5 year timeframes depicts an increase in traffic along all segments of I-75 in the urban area as shown in **Table 1**.

TABLE 1: I-75 Historical Annual Average Daily (AADT) Traffic Volumes (2-Way)

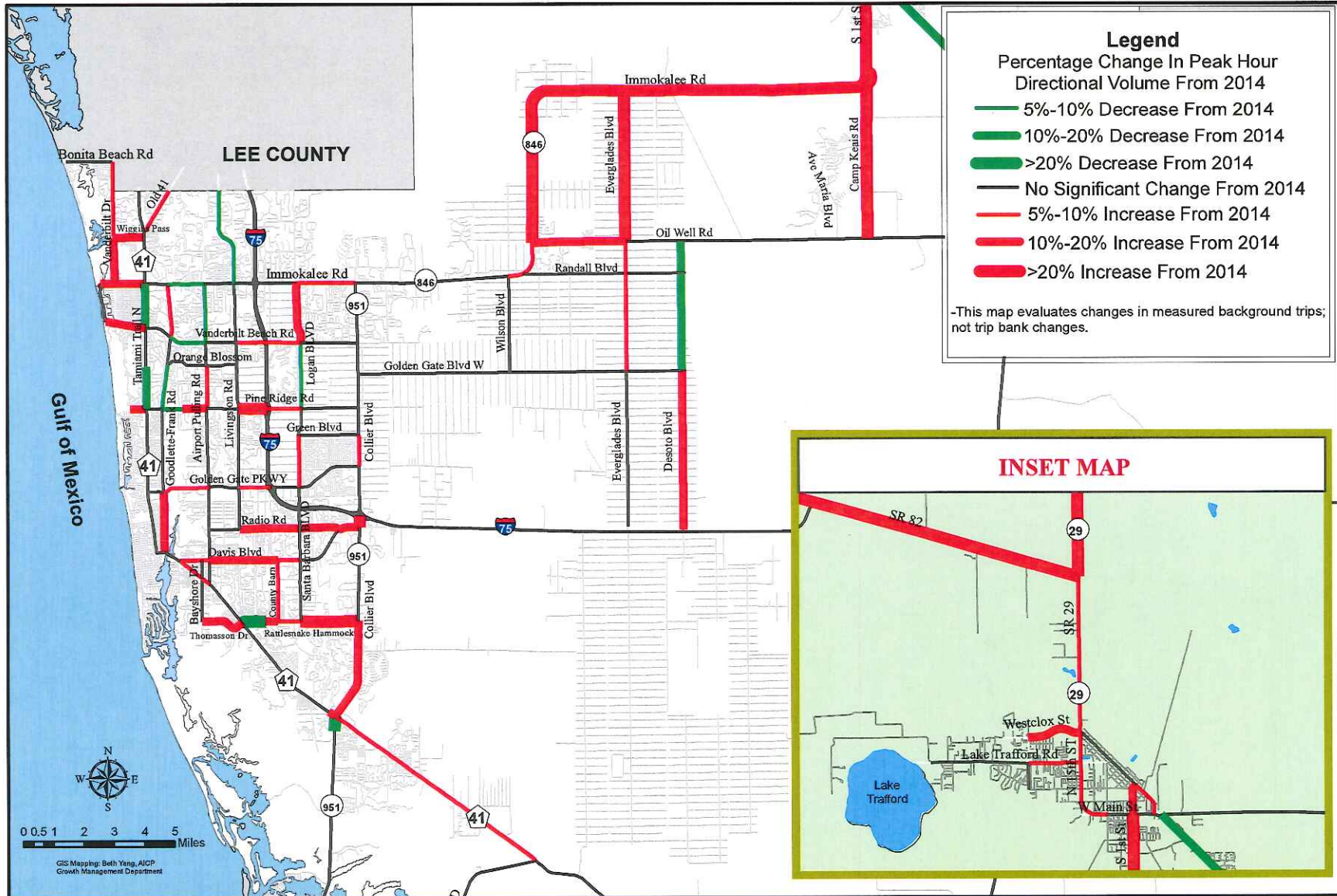
	North of Immokalee Road	North of Pine Ridge Road	North of Golden Gate Pkwy	West of Collier Blvd
2014	90,500	70,332	64,000	36,500
2013	87,000	65,423	58,000	34,500
2012	74,000	62,897	55,000	31,000
2011	74,500	61,224	55,000	31,500
2010	75,500	59,784	55,000	32,500
2009	77,000	58,578	32,500	34,000
Total % Increase 5-Year 2009-2014	17.5%	20.1%	96.9%	7.4%
Avg Annual % Increase 5-Year 2009-2014	3.3%	3.7%	14.5%	1.4%
Avg Annual % Increase 2-Year 2012-2014	10.6%	5.7%	7.9%	8.5%

Source: Florida Department of Transportation

Note:

1. Some count stations experienced significant year-to-year fluctuations due to construction avoidance.
2. Stations and segment ID’s may not correspond as some count stations serve multiple segments.

ATTACHMENT C



Percentage Change In Peak Hour Directional Volume From 2014

Growth Management Department
 Transportation Planning

Attachment D
 FY16 - FY20 5 YEAR WORK PROGRAM/CIE (TIED TO FY16 ADOPTED BUDGET)
 (Dollars shown in Thousands)

Project #	Project Name	FY16 Amount		FY17 Amount		FY18 Amount		FY19 Amount		FY20 Amount		Amount
SUMMARY OF PROJECTS												
60144	Oil Well (Everglades to Oil Well Grade)	2,737	A									2,737
60168	Vanderbilt Beach Rd/Collier Blvd-Wilson	3,750	S/R/D	2,000	R/M/D	2,000	R/M/D	2,000	R/M/D	6,500	R/M/D	16,250
60145	Golden Gate Blvd 20th St to Everglades	3,550	R	5,100	R/M/A	6,400	R/M/A	7,300	R/A	2,000	A	24,350
60040	Golden Gate Blvd Wilson to 20th	1,000	R									1,000
61001	Tree Farm/Woodcrest	1,682	C									1,682
60132	Imm/CR 951 Broken Back Intersection	3,750	C									3,750
60129	Wilson Benfield Extension	2,279	S/D									2,279
60185	Wilson/City Gate	250	D									250
60147	Randall/Immokalee Road Intersection to 8th Street	500	D/R		TBD							500
60148	Airport Road-Davis Blvd Intersection	3,542	R/C									3,542
TBD	Veterans Memorial			100	S							100
TBD	8th, 16th, and 47th Bridge	1,362	D	8,188	C							9,550
TBD	Logan (Imm to Bonita Beach)		CBO									-
TBD	Pine Ridge/US-41 Intersection		CBO									-
TBD	Rattlesnake Hammock Extension		CBO									-
	Contingency	4,695		1,973		1,473		973		1,973		11,087
	Total	29,097		17,361		9,873		10,273		10,473		77,077
Operations Improvements/Programs												
66066	Bridge Repairs/Improvements	8,237		6,800		6,800		6,800		6,800		35,437
60016	Intersection Safety/Capacity/Enhancements	190		2,000		2,000		2,000		2,000		8,190
60146	TMC Relocation Fund (310)	300										300
60172	Traffic Ops Enhancements/Signals	711		740		740		740		740		3,671
60183	Sign Retroreflectivity Requirement	200		200		50		50		50		550
60130	Wall/BARRIER Replacement	450		450		450		450		450		2,250
60163	Traffic Studies	100		100		100		100		100		500
60118	Countywide Pathways/Sidewalks Non PIL/LAP	250		250		250		250		250		1,250
69081	Pathways/Sidewalks Bike Lanes/Repairs	-		-		-		-		-		-
	Transit Enhance/Operations (Transfer to CATT)	1,634		2,000		2,000		2,000		2,000		9,634
60128	Limerock Road Conversion	300		300		300		300		300		1,500
60131	Road Resurfacing 111	3,800		3,000		3,250		3,250		2,000		15,300
60077	Road Refurbishing (includes striping)			150		800		800		800		2,550
60178	Vanderbilt Drive Improvements	200										200
	Subtotal Operations Improvements/Programs	16,372		15,990		16,740		16,740		15,490		81,332
60003	Marco Island/Asset Mgmt/Planning	1,750		1,750		750		750		750		5,750
60171	Multi Project			50		50		50		50		200
	Transfers to other funds (312)	3,113		3,000		3,000		3,000		3,000		15,113
	Impact Fee Refunds	200		400		400		400		400		1,800
	Debt Service Payments	13,143		13,137		13,137		13,137		13,137		65,691
	Total Funding Request All Funds	63,675		51,688		43,950		44,350		43,300		246,963
REVENUES												
	Impact Fees/COA Revenue	9,000		9,300		9,500		9,900		10,100		47,800
	Unforecasted Impact fees from FY 14											-
	DCA	900										900
	Gas Tax Revenue	18,500		18,500		18,500		18,500		18,500		92,500
	Grants/Reimbursements	1,488		8,188								9,676
	Transfer In											-
	Interest Fund 313 Gas Tax	128		200		200		200		200		928
	Interest Impact Fees	210		200		200		200		200		1,010
	Transfer In from Fund 111	2,427		3,300		3,550		3,550		2,300		15,127
	General Fund Transfer 001	14,560		12,000		12,000		12,000		12,000		62,560
	General Fund Transfer TMC Center	300										300
	Revenue Reduction (Less 5% Required by Law)	(1,443)										(1,443)
	Total 5 Year Revenues	46,070		51,688		43,950		44,350		43,300		229,358
	Beginning Carry Forward	17,605										17,605
	Fiscal Year Surplus/(Shortfall)	-		-		-		-		-		-
	Fiscal Year Carry Forward	-		-		-		-		-		-
	Cumulative Fiscal Year Balance Surplus/(Shortfall)	-		-		-		-		-		-

GRANT FUNDING SUMMARY

	FY16	FY17	FY18	FY19	FY20
66066 Bridges	1,362	8,188			
Total Grants	1,362	8,188	0	0	0

Notes:

- Expenditures: Based on current cost estimates.
- Revenues: Based on current adopted Impact Fee Schedule, projected gas tax revenues, budgeted general fund transfer, and approved grants and developer contribution agreements.

Key:

- S = Study
- D = Design
- M = Mitigation
- C = Construction
- R = ROW
- L = Litigation
- A = Advanced Construction
- I = Inspection
- AM = Access Management
- LP = SIB Loan Repayment to State
- CBO = Constructed By Others
- DBO = Designed By Others

Attachment "E"

Road Financing Plan Update

	FY 16	FY 17	FY 18	FY 19	FY 20	5 Year Total
Project/Program Commitments	50,332,000	38,151,000	30,413,000	30,813,000	29,763,000	179,472,000
Existing Debt Service	13,143,000	13,137,000	13,137,000	13,137,000	13,137,000	65,691,000
Impact Fee Refunds	200,000	400,000	400,000	400,000	400,000	1,800,000
Total Expenses	63,675,000	51,688,000	43,950,000	44,350,000	43,300,000	246,963,000
				-	-	-
				-	-	-
Impact Fee Revenue	9,000,000	9,300,000	9,500,000	9,900,000	10,100,000	47,800,000
DCA	900,000					900,000
Gas Tax Revenue	18,500,000	18,500,000	18,500,000	18,500,000	18,500,000	92,500,000
Debt Svc General Fund Transfer	14,560,000	12,000,000	12,000,000	12,000,000	12,000,000	62,560,000
Transfer in from Fund 111	2,427,000	3,300,000	3,550,000	3,550,000	2,300,000	15,127,000
Interest Gas Tax/Impact Fee	338,000	400,000	400,000	400,000	400,000	1,938,000
Grants/Reimbursements *	1,488,000	8,188,000				9,676,000
General Fund Transfer TMC Center	300,000					300,000
Revenue Reserve (5% Budgeted by Statue)	(1,443,000)					(1,443,000)
Total Revenues	46,070,000	51,688,000	43,950,000	44,350,000	43,300,000	229,358,000
Carry Forward (Surplus or Shortfall) **	17,605,000			-	-	17,605,000
Additional Roll Forward						
Fiscal Year Balance (Surplus or Shortfall)	-	-	-	-	-	-
Cumulative Fiscal Year Balance (Surplus or Shortfall)	-	-	-	-	-	-

* Includes programmed FDOT Grants and Naples Reserve DCA

** Carry Forward includes the budgeted FY16 Carry forward and does not include project funding encumbered (roll over) in prior fiscal years to be paid out over the following schedule for phases (average time for payout): This Carry Forward number that includes the roll of encumbrances will not be available until after October 1, 2015 but attachment J provides a listing of major projects previously budgeted with carry forward funding anticipated to complete the project/phases.

Revenues based on current adopted Impact Fee Schedule, projected gas tax revenues, budgeted general fund transfer, and approved grants and developer contribution agreements.

ID#	CIE#	Proj#	Road#	Link	From	To	Exist Road	Cnt. Sta.	Min Std	Peak Dir	Peak Hour Service Volume	2015 Peak Hour Peak Dir Volume	2015 Trip Bank	2015 1/7th Trip Bank	2015 1/7th Total Trip Bank	2015 Total Volume	Remain. Capacity	2015 V/C	L O S	Traffic Count Year Expected Deficient	1/7th Trip Bank Year Expected Deficient
121.1				Oil Well Road	DeSoto	Oil Well Grade	2U	694	D	W	1,100	220	0	200	200	420	680	38.2%	B		
121.2				Oil Well Road	Oil Well Grade	Ave Maria Blvd Camp Keais Rd	4D	694	D	W	2,000	220	0	200	200	420	1580	21.0%	B		
122.0				Oil Well Road	Ave Maria Blvd Camp Keais Rd	SR 29	2U	694	D	W	800	220	0	61	61	281	519	35.1%	B		
123.0		60040		Golden Gate Blvd.	Wilson	18th Street NE/SE	4U 2U	652	D	E	2,300	1040	0	0	0	1,040	1260	45.2%	B		
123.1		60040		Golden Gate Blvd.	18th Street NE/SE	Everglades	2U	652	D	E	1,010	1040	0	0	0	1,040	(30)	103.0%	F	Existing	Existing
124.0		60040		Golden Gate Blvd.	Everglades	DeSoto	2U	Manual	D	E	1,010	214	0	0	0	214	796	21.2%	B		
125.0			CR896	Pine Ridge Road	Logan Boulevard	Collier Boulevard	4D	535	D	E	2,400	1310	0	7	7	1,317	1083	54.9%	C		
132.0				Randal Blvd.	Immokalee	Everglades	2U	651	D	E	900	730	24	36	60	790	110	87.8%	D		2023
133.0				Randal Blvd.	Everglades	DeSoto	2U	Manual	D	E	900	602	0	20	20	622	278	69.1%	C		
134.0				Everglades	I-75	Golden Gate Blvd	2U	637S	D	S	800	370	0	0	0	370	430	46.3%	B		
135.0				Everglades	Golden Gate Blvd.	Oil Well	2U	636S	D	N	800	280	0	20	20	300	500	37.5%	B		
136.0				Everglades	Oil Well	Immokalee	2U	635S	D	N	800	640	0	0	0	640	160	80.0%	D		2022
137.0				DeSoto Blvd.	I-75	Golden Gate Blvd.	2U	639A	D	S	800	130	0	0	0	130	670	16.3%	B		
138.0				DeSoto Blvd.	Golden Gate Blvd.	Oil Well Rd.	2U	638A	D	S	800	80	0	0	0	80	720	10.0%	B		
142.0				Orange Blossom	Goodlette	Airport	2D	647	D	W	1,200	510	0	0	0	510	690	42.5%	B		
143.0				Orange Blossom	Airport	Livingston Rd.	2U	647	D	W	1,000	510	0	0	0	510	490	51.0%	B		
144.0				Shadowlawn Dr.	Tamiami Trail	Davis	2U	523	D	N	800	230	0	0	0	230	570	28.8%	B		
145.0		66066		Bridge Repairs/Improvements												0	0				
147.0		60016		Intersection Safety/Capacity Improve												0	0				
148.0		60172		Traffic Ops Enhancements												0	0				
150.0		60163		Traffic Calming/Studies												0	0				
151.0		69081		Pathways/Sidewalks Bike Lanes												0	0				
152.0		35010		Transit Facility & Transfer Site												0	0				
153.0		61010		Transit Enhancements												0	0				
154.0		60077		Enhanced Resurfacing (Transfer to 101/111)												0	0				
155.0		60077		Safety Enhancements												0	0				
156.0		60003		Collector Roads/Minor Arterial Roads												0	0				
157.0		60171		Advanced ROW												0	0				
158.0				Transfers to other funds												0	0				
159.0				Impact Fee Refunds												0	0				
161.0				Debt Service Payments												0	0				
162.0				Contingency												0	0				

2015 AUIR Update Deficiencies Report

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:

2015 Existing Deficiencies Based on Traffic Counts								
ID #	Map	Roadway	From	To	Trip Bank	Remaining Capacity	TCMA	Solutions
123.1		Golden Gate Blvd	18th Street NE/SE	Everglades Blvd	0	-30	No	Programmed for CST in the CIE

2015 Existing Deficiencies Based on Traffic Counts + Trip Bank & Vested Trips								
Item #	Map	Roadway	From	To	Trip Bank	Remaining Capacity	TCMA	Solutions
67.2		Pine Ridge Road	Livingston Road	I-75	210	-170	Yes	Part of East Central TCMA - Pursue Detailed Capacity/Operational Analysis of Intersections and Interchange

Projected Deficiencies <5 Years (Traffic Counts + Trip Bank & Vested Trips)								
Item #	Map	Roadway	From	To	Trip Bank	Remaining Capacity	TCMA	Solutions
42.1		Immokalee Rd	Airport Road	Livingston Rd.	24	216	Yes	Projected failure 2019; Northwest TCMA - Pursue Detailed Capacity/Operational Analysis
62.0		Old US 41	US 41	Lee County Line	11	29	Yes	Projected failure 2017; Widen to 4-Lanes; PD&E Study Programmed by FDOT; Pursue State Funding
67.1		Pine Ridge Road	Airport Road	Livingston Rd.	149	191	Yes	Projected failure 2019; East Central TCMA - Pursue Detailed Capacity/Operational Analysis and Alternative Corridors

Projected Deficiencies 5-10 Years (Traffic Counts + Trip Bank & Vested Trips)								
Item #	Map	Roadway	From	To	Trip Bank	Remaining Capacity	TCMA	Solutions
19.0		Golden Gate Pkwy	Goodlette-Frank Rd	Airport Rd	9	551	No	Projected failure 2025 - Continue to Monitor;
20.2		Golden Gate Pkwy	Livingston Rd.	I-75	2	478	Yes	Projected failure 2023; East Central TCMA - Continue to Monitor; Interchange Improvements Proposed in MPO Cost Feasible Plan 2021-2025
22.0		Golden Gate Pkwy	Santa Barbara Blvd.	Collier Blvd.	53	277	Yes	Projected failure 2024; East Central TCMA - Continue to Monitor and Review with Future I-75 Interchange Operation Analysis Report
23.0		Goodlette-Frank Rd	Immokalee Rd	Vanderbilt Beach Rd	54	136	Yes	Projected failure 2023; Northwest TCMA - Continue to Monitor; Evaluate for CIE Funding in 2021-2025
36.2		Collier Boulevard (SR-951)	Wal-Mart Driveway	Manatee Road	122	178	No	Projected failure 2021. Widen to 6-Ln; PD&E Funded (15/16); State Funded Improvement Proposed in MPO Cost Feasible Plan 2026-2030
43.1		Immokalee Road	I-75	Logan Blvd.	381	729	No	Projected failure 2024; Continue to Monitor; Interchange Improvements Proposed in MPO Cost Feasible Plan 2021-2025, Anticipate Future VBR Extension to Reduce Volumes
66.0		Pine Ridge Rd	Shirley St.	Airport Rd.	206	364	Yes	Projected failure 2023; Northwest TCMA; Continue to Monitor; Pursue Detailed Operational Analysis if Warranted
88.0		SR-82	Lee County Line	SR-29	0	110	No	Projected failure 2023; Widen to 4-Ln; MPO Priority for State SIS Funding; Pursue State Funding
92.0		Tamiami Trail East	Airport Road	Rattlesnake-Hammock Road	269	311	No	Projected failure 2022; Included in South US 41 TCEA; Continue to Monitor; Pursue Detailed Operational Analysis if Warranted
99.0		Tamiami Trail North	Wiggins Pass Road	Immokalee Road	36	534	Yes	Projected failure 2025; Northwest TCMA; Continue to Monitor
132.0		Randall Blvd.	Immokalee	Everglades	60	110	No	Projected failure 2023; Immokalee Rd @ Randall Blvd Intersection Improvement PD&E Underway;
136.0		Everglades Blvd	Oil Well Rd	Immokalee Rd	0	160	No	Projected failure 2022; Continue to Monitor

Prepared By: _____

Date: _____

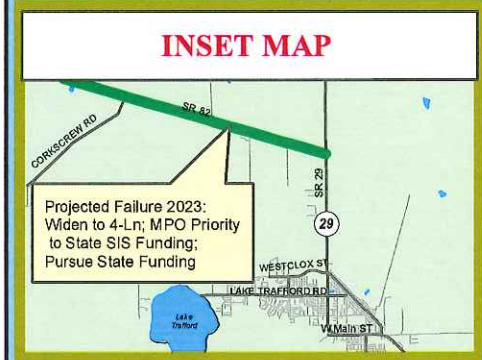
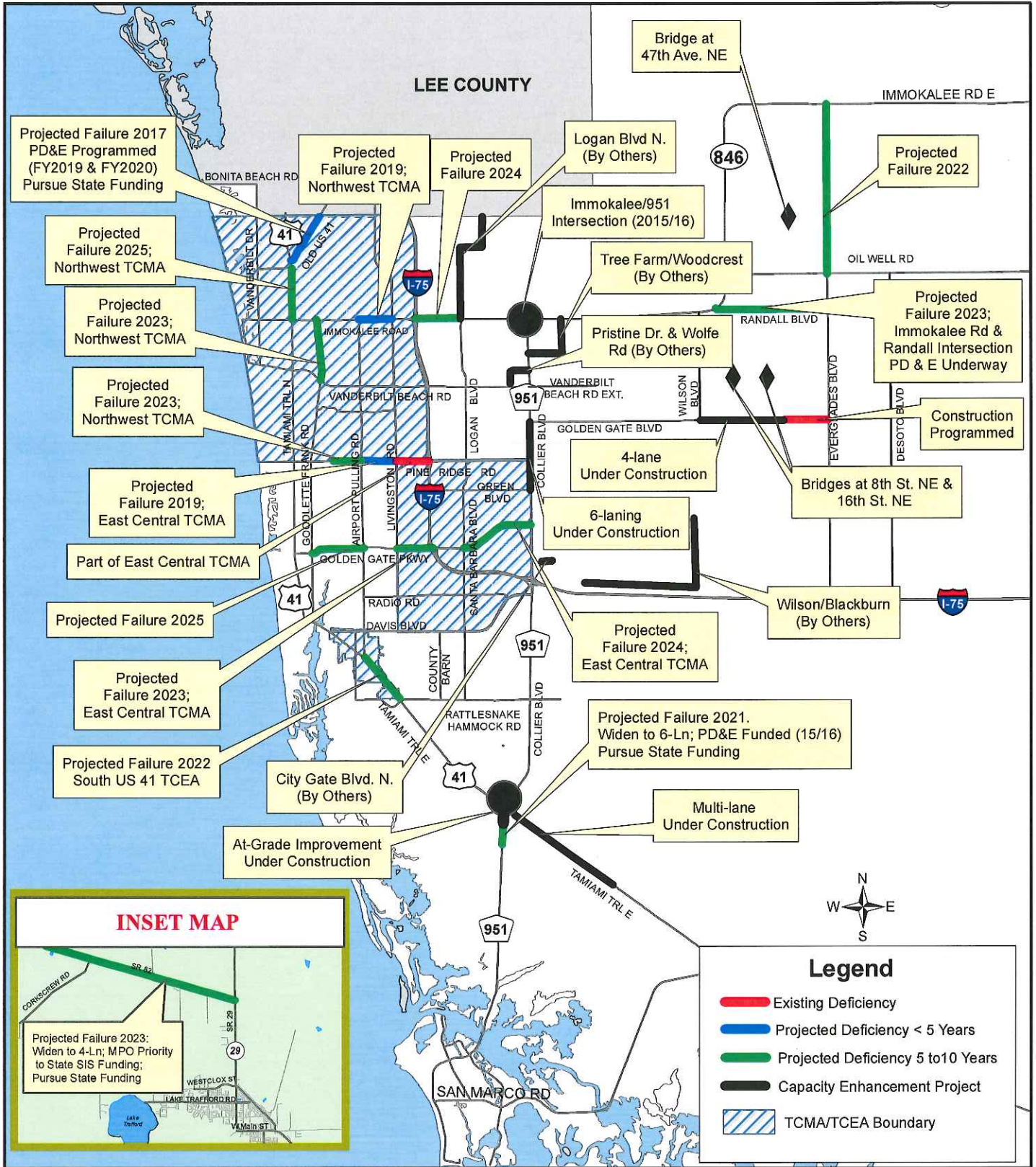
Transportation Planning

NOTES:

- Roadway Name = State Facility
- TCEA = Transportation Concurrency Exception Area
- TCMA = Transportation Concurrency Management Area
- EC = East Central TCMA
- NW = Northwest TCMA
- ITMS = Intelligent Traffic Management Systems

**Note: Roadways projected to be deficient will be subject to a detailed LOS and capacity analysis within three years of projected failure.*

ATTACHMENT H



Attachment I

TCMA Report

Collier County Transportation Concurrency Management System

AUIR ID	Street Name	From	To	PkHr-PkDir ⁽¹⁾ V/C Ratio	Length	#Lanes	Lane Miles	Lane Miles @ VC <= 1.00
East Central TCMA								
31.1	Collier Boulevard	Pine Ridge Road	Green Boulevard	0.62	1.04	6	6.2	6.24
32.2	Collier Boulevard	Golden Gate Pwky	Golden Gate Main Canal	0.48	1.01	4	4.0	4.04
32.3	Collier Boulevard	Golden Gate Main Canal	I-75	0.43	0.65	8	5.2	5.20
33.0	Collier Boulevard	I-75	Davis Boulevard	0.79	0.56	8	4.5	4.47
14.0	Davis Boulevard	Lakewood Boulevard	County Barn Road	0.81	1.71	4	6.8	6.83
15.0	Davis Boulevard	County Barn Road	Santa Barbara Boulevard	0.67	0.75	4	3.0	3.02
16.1	Davis Boulevard	Santa Barbara Boulevard	Radio Rd.	0.27	2.62	6	15.7	15.71
16.2	Davis Boulevard	Radio Rd.	Collier Boulevard	0.44	2.32	6	13.9	13.93
21.0	Golden Gate Parkway	I-75	Santa Barbara Boulevard	0.58	1.01	6	6.1	6.07
22.0	Golden Gate Parkway	Santa Barbara Boulevard	Collier Boulevard	0.85	2.21	4	8.8	8.84
27.0	Green Boulevard	Santa Barbara Boulevard	Collier Boulevard	0.73	1.99	2	4.0	3.99
54.0	Livingston Road	Pine Ridge Road	Golden Gate Parkway	0.48	2.60	6	15.6	15.59
55.0	Livingston Road	Golden Gate Parkway	Radio Road	0.42	1.41	6	8.5	8.49
49.0	Logan Boulevard	Pine Ridge Road	Green Boulevard	0.71	0.88	4	3.5	3.53
67.1	Pine Ridge Road	Airport Road	Livingston Rd.	0.94	2.09	6	12.6	12.56
67.2	Pine Ridge Road	Livingston Rd.	I-75	1.06	2.20	6	13.2	0.00
68.0	Pine Ridge Road	I-75	Logan Boulevard	0.74	0.99	6	6.0	5.97
125.0	Pine Ridge Road	Logan Boulevard	Collier Boulevard	0.55	1.88	4	7.5	7.53
70.0	Radio Road	Livingston Road	Santa Barbara Boulevard	0.62	2.00	4	8.0	7.98
71.0	Radio Road	Santa Barbara Boulevard	Davis Boulevard	0.35	1.34	4	5.4	5.36
76.0	Santa Barbara Boulevard	Green Boulevard	Golden Gate Parkway	0.59	1.70	4	6.8	6.81
77.0	Santa Barbara Boulevard	Golden Gate Parkway	Radio Road	0.58	1.40	6	8.4	8.43
78.0	Santa Barbara Boulevard	Radio Road	Davis Boulevard	0.49	1.05	6	6.3	6.32
					35.44		180.10	166.91

Total Lane Miles: 180.10

Lane Miles <=1.00 V/C: 166.91

Percent Lane Miles Meeting Standard: 92.7%

⁽¹⁾ V/C Ratio based upon Total Traffic, including Traffic Counts + Trip Bank + 1/7th Vested Trips

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TCMA Report
Collier County Transportation Concurrency Management System

AUIR ID	Street Name	From	To	PKHr-PKDir ⁽¹⁾ V/C Ratio	Length	#Lanes	Lane Miles	Lane Miles @ VC <= 1.00
Northwest TCMA								
66.0	Pine Ridge Road	Shirley Street	Airport Road	0.87	0.81	6	4.9	4.88
98.0	Tamiami Trail North	Lee County Line	Wiggins Pass Road	0.66	1.67	6	10.0	10.02
99.0	Tamiami Trail North	Wiggins Pass Road	Immokalee Road	0.83	1.52	6	9.1	9.11
100.0	Tamiami Trail North	Immokalee Road	Vanderbilt Beach Road	0.67	1.51	6	9.1	9.06
101.0	Tamiami Trail North	Vanderbilt Beach Road	Gulf Park Drive	0.74	1.26	6	7.6	7.58
102.0	Tamiami Trail North	Gulf Park Drive	Pine Ridge Road	0.60	1.44	6	8.6	8.64
109.0	Vanderbilt Beach Road	Gulfshore Drive	Tamiami Trail	0.76	1.34	2	2.7	2.68
110.1	Vanderbilt Beach Road	Tamiami Trail	Goodlette-Frank Road	0.71	1.87	4	7.5	7.50
111.1	Vanderbilt Beach Road	Airport Road	Livingston Rd.	0.63	3.22	6	19.3	19.30
114.0	Vanderbilt Drive	Lee County Line	Wiggins Pass Road	0.45	2.52	2	5.0	5.03
115.0	Vanderbilt Drive	Wiggins Pass Road	111th Avenue	0.44	1.49	2	3.0	2.99
117.0	Wiggins Pass Road	Vanderbilt Drive	Tamiami Trail	0.44	1.05	2	2.1	2.10
1.0	Airport Road	Immokalee Road	Vanderbilt Beach Road	0.55	1.97	4	7.9	7.89
2.1	Airport Road	Vanderbilt Beach Road	Orange Blossom Dr.	0.72	1.53	6	9.2	9.18
20.1	Golden Gate Parkway	Airport Road	Livingston Rd.	0.68	1.97	6	11.8	11.81
23.0	Goodlette-Frank Road	Immokalee Road	Vanderbilt Beach Road	0.86	1.80	2	3.6	3.60
24.1	Goodlette-Frank Road	Vanderbilt Beach Road	Orange Blossom Dr.	0.60	0.88	4	3.5	3.52
24.2	Goodlette-Frank Road	Orange Blossom Dr.	Pine Ridge Road	0.64	1.53	6	9.2	9.18
39.0	111th Avenue N.	Gulfshore Drive	Vanderbilt Drive	0.39	0.51	2	1.0	1.01
40.0	111th Avenue N.	Vanderbilt Drive	Tamiami Trail	0.48	1.00	2	2.0	2.01
41.1	Immokalee Road	Tamiami Trail	Goodlette-Frank Rd.	0.65	1.47	6	8.8	8.84
42.1	Immokalee Road	Airport Road	Livingston Rd.	0.93	1.96	6	11.8	11.79
51.0	Livingston Road	Imperial Street	Immokalee Road	0.47	3.31	6	19.8	19.85
52.0	Livingston Road	Immokalee Road	Vanderbilt Beach Road	0.54	1.99	6	12.0	11.96
53.0	Livingston Road	Vanderbilt Beach Road	Pine Ridge Road	0.53	2.21	6	13.3	13.26
63.0	Seagate Drive	Crayton Road	Tamiami Trail	0.58	0.48	4	1.9	1.93
64.0	Pine Ridge Road	Tamiami Trail	Goodlette-Frank Road	0.68	0.50	6	3.0	3.02
65.0	Pine Ridge Road	Goodlette-Frank Road	Shirley Street	0.68	0.67	6	4.0	4.05
2.2	Airport Road	Orange Blossom Dr.	Pine Ridge Rd.	0.69	2.92	6	17.5	17.51
20.2	Golden Gate Pwky	Livingston Rd.	I-75	0.86	1.97	6	11.8	11.82
41.2	Immokalee Road	Goodlette-Frank Rd.	Airport Road	0.77	2.47	6	14.8	14.81
42.2	Immokalee Road	Livingston Rd.	I-75	0.75	1.78	7	12.5	12.48
62.0	Old US 41	US 41 (Tamiami Trail)	Lee County line	0.97	1.57	2	3.1	3.14
110.2	Vanderbilt Beach Road	Goodlette-Frank Rd.	Airport Road	0.68	2.40	4	9.6	9.58
111.2	Vanderbilt Beach Road	Livingston Rd.	Logan Blvd.	0.62	3.11	6	18.7	18.68
					59.73		299.80	299.80

Total Lane Miles: 299.8

Lane Miles <=1.0 V/C: 299.8

Percent Lane Miles Meeting Standard: 100.0%

⁽¹⁾ V/C Ratio based upon Total Traffic, including Traffic Counts + Trip Bank + 1/7th Vested Trips

Attachment J
FY15 Activity Report on continuing Projects under Contract/DCA/Advanced Construction
(Dollars shown in Thousands)

Project Number	SUMMARY OF PROJECTS BY NAME	FY15 Amount
60040	Golden Gate Blvd Wilson to 20th	22,716
68056	Collier Blvd (Green to Golden Gate Blvd)	23,114
61001	Tree Farm/Woodcrest	1,229
60116	US 41/CR 951	18,863
	Total	65,922

****As of 7/31/15**

COUNTY STORMWATER MANAGEMENT SYSTEM

CONTENTS

- COUNTY STORMWATER MANAGEMENT SYSTEM
– SUMMARY
- EXISTING CANAL SYSTEMS AND CONTROL STRUCTURES –
OVERVIEW
- COUNTYWIDE STORMWATER CANAL SYSTEM – MAP
- COUNTYWIDE STORMWATER CONTROL STRUCTURES –
MAP
- PROPOSED STORMWATER MANAGEMENT 5-YEAR WORK
PROGRAM
- STORMWATER MANAGEMENT PROJECT DESCRIPTIONS
- STORMWATER MANAGEMENT PROJECT LOCATION MAP
- ATTACHMENT A: STORMWATER MANAGEMENT PROJECT
PLANNING PROCESS
- ATTACHMENT B: SYSTEM INVENTORY AND GIS DATABASE
REPORT
- ATTACHMENT “C”: TABLES
 - TABLE 2 – CURRENT CANAL SYSTEM INVENTORY
 - TABLE 3 – CANAL AND DITCH CONDITION RATING SYSTEM
 - TABLE 4 – CURRENT CONTROL STRUCTURE INVENTORY
 - TABLE 5 – CONTROL STRUCTURE INSPECTION RATING
SYSTEM

2015 AUIR STORMWATER MANAGEMENT SYSTEM FACILITIES SUMMARY

Facility Type: County Maintained System of Stormwater Management Canals & Structures
(Category A)

Level of Service (LOS) Standard: Varies by individual watershed

System Maintained By Collier County:

Based on current Collier County GIS Database

Existing Major Canals	112 Miles
Proposed Reconstruction/Additions within 5-Year Planning Period	5.1 Miles
Existing Water Control Structures	58
Proposed Additional Structures within 5-Year Planning Period	6

Stormwater Program Summary FY 2016 thru FY 2020

Recommended Work Program	\$ 23,756,000
Recommended Operating Costs	\$ 5,477,000
Interest/Misc	\$ 151,000

Recommended Revenues	\$ 29,384,000
Five-Year Surplus or (Deficit)	\$ 0

1. Existing Revenue Sources FY 16-20

General Fund (001)	\$ 7,750,000
MSTU General Fund (111)	\$ 20,060,000
Big Cypress Basin (BCB) Grant	\$ 937,000
Dep. of Environmental Protection (DEP) Grant	\$ 375,000
Interest/Misc	\$ 180,000
Carry forward	\$ 92,000
Less 5% required by law	\$ (10,000)
Total	\$ 29,384,000

2. Supplemental Revenue Sources

None Required

Recommended Action

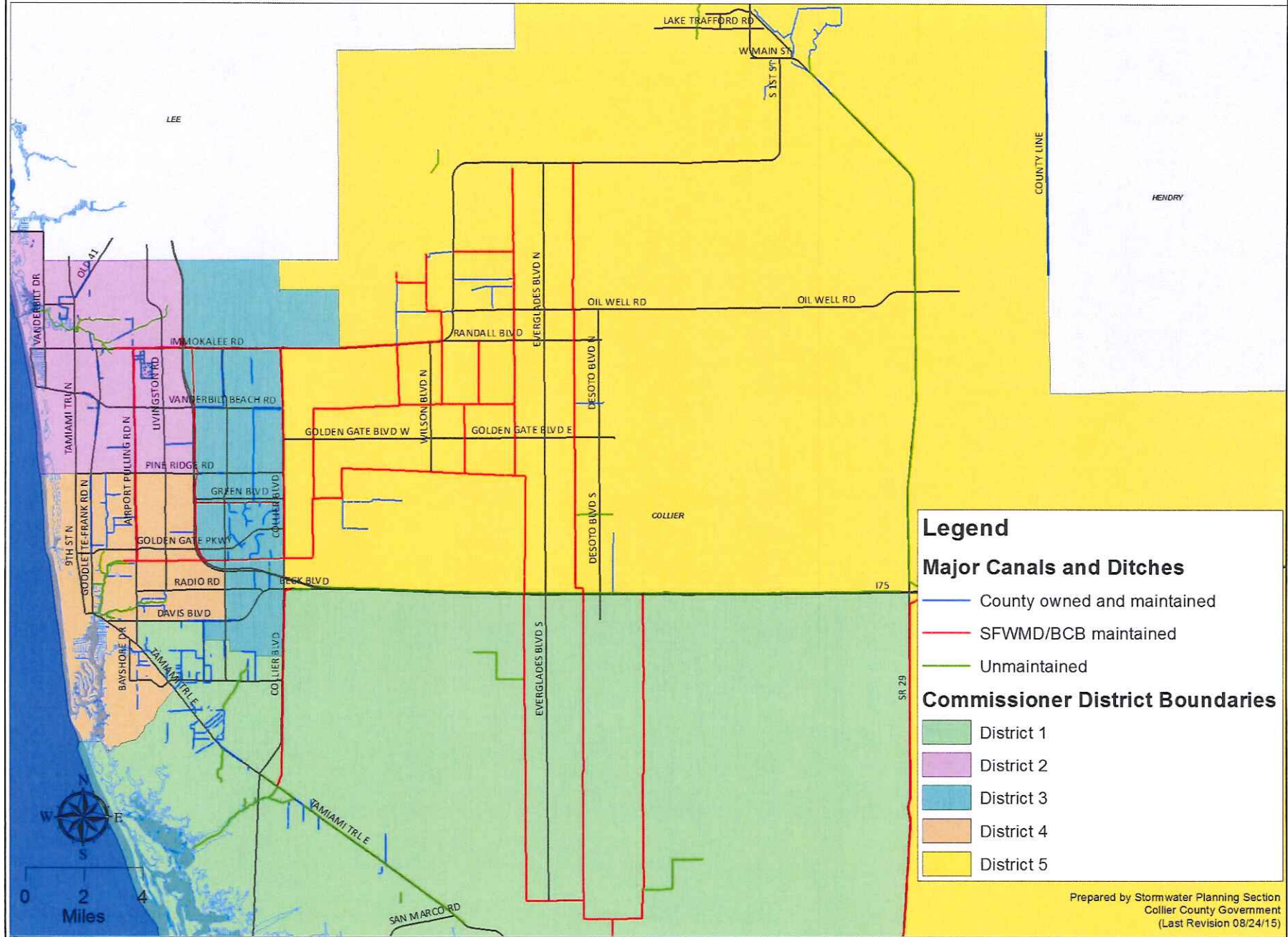
That the BCC direct the County Manager or his designee to include County stormwater projects appearing on the proposed "Stormwater Five - Year Work Program," (Table 1) as detailed in the attached Project Descriptions and prioritized by the Stormwater Project Prioritization Process in the next Annual CIE Update and Amendment with the application of revenues as outlined in the Program Revenue section of Table 1; and that it approve the proposed 2015 Stormwater Management System AUIR and adopt the CIE Update for FY2015/16 – FY2019/20.

EXISTING MAJOR CANAL SYSTEMS AND CONTROL STRUCTURES

Currently, the County maintains 112 miles of canal (including ditches) and 58 stormwater control structures. Figures 1 and 2 show the locations for all major canals (including ditches) and stormwater control structures maintained by the County, respectively. Table 2 and Table 3, shown in Attachment C, identify all canals and ditches, and control structures maintained by the County, respectively.

Each control structure (Table 3) has an overall condition rating based on a 2012 evaluation. The condition of the structure is based on two types of inspections: Structural and Civil. The overall condition rating ranks from C-1 (no action needed) to C-5 Critical (repair or replacement needed immediately). The ratings are based on identified deficiencies and the potential resulting impact. Table 4 explains each rating. Design of three (3) structure replacements is currently underway and reflected in the current work program and the proposed 5-year work program.

Collier County Major Stormwater Drainage System



Legend

Major Canals and Ditches

- County owned and maintained
- SFWMD/BCB maintained
- Unmaintained

Commissioner District Boundaries

- District 1
- District 2
- District 3
- District 4
- District 5

Prepared by Stormwater Planning Section
 Collier County Government
 (Last Revision 08/24/15)

Figure 1: Collier County Major Stormwater Canal System

Collier County Major Stormwater Control Structures

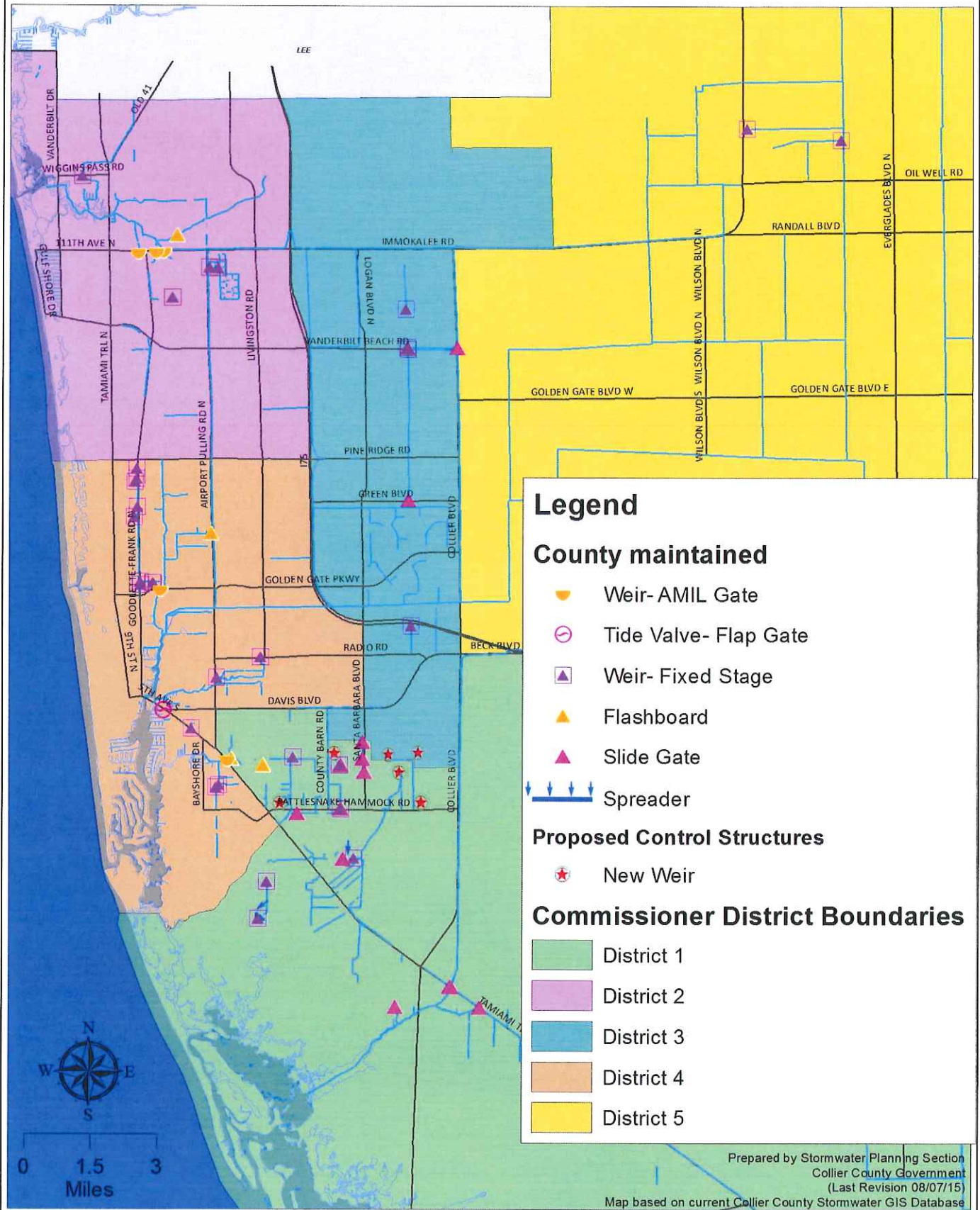


Figure 2: Collier County Major Stormwater Control Structures

2015 AUIR FACILITY SUMMARY FORM - Stormwater Management

Facility Name: Maintained System of Stormwater Management Canals & Structures (Category A)

Table 1: FY 16 - FY 20

Plan Year		1	2	3	4	5	5 - Year Totals					
Fiscal Year		FY 16	FY 17	FY 18	FY 19	FY 20						
Current Multi-Year Commitments												
51018	Gordon River WQ Park Monitoring and Main.	25	M				25					
51101	LASIP	937	C	50	M	50	M	50	M	1,137		
51144	Stormwater Feasibility and Preliminary Design	227	P	300	P	300	P	300	P	1,427		
60121	NPDES MS4 Program	132	P	150	P	150	P	150	P	732		
Infrastructure Maintenance Projects												
51029	GG City Outfall Replacements		500	C	1,200	DC	1,700	DC	1,700	DC	5,100	
51803	Gateway Triangle Improvements		100	RD	100	C				200		
60094	Secondary System Repair	43	M	100	M	100	M	100	M	443		
60124	Eagle Creek Weir Replacement	350	C							350		
60103	Halderman Creek Weir Replacement		500	A	500	C				1,000		
60119	Pine Ridge Canal Weir 1 Replacement	894	C							894		
System Capacity Projects												
60122	Vanderbilt Drive Swale Rehabilitation	1,200	C							1,200		
60143	Immokalee Stormwater Imp	200	D	200	D	200	D	200	D	1,000		
60139	Naples Park 110th Ave N-107th Ave N	1,388	C							1,388		
60142	Ridge Street (3)	400	DC							400		
TBD	Naples Park Swales (Coord w Utilities) (1)		1,600	DC	1,600	DC	1,600	DC	1,600	DC	6,400	
TBD	Cooper Drive (4)		500	DC						500		
TBD	Lely Branch New Weir		220	DA						220		
Watershed Management Plan Projects												
60127	North Golden Gate Estates Flowway Restoration *	200	PA	195	PA	215	PA	200	PR	200	PR	1,010
TBD	North Belle Meade Spreader Swale *					115	D	115	DAR		230	
Water Quality Improvement Projects												
60102	Gordon River Ext. (7)	100	D							100		
Total Projects		6,096		4,415		4,415		4,415		4,415		23,756
Reserves		11		35		35		35		35		151
Stormwater Operating (Fund 324)		897		1,145		1,145		1,145		1,145		5,477
Total Program Cost		7,004		5,595		5,595		5,595		5,595		29,384

* Denotes projects that must still undergo detailed planning, coordinating, and matching fund efforts with SFWMD/BCB

(#) Denotes project ranking based on current prioritization process

P = Planning, D = Design & Permitting, R = Right-of-Way Acquisition, C = Construction, M = Maintenance/Monitoring, A = Advance Funding

Notes: 1. All numbers are in thousands of dollars.

2. 2016 outlay actual budget proposed, subsequent years proposed/estimated & subject to change.

Program Revenue (Fund 325)

Plan Year		1	2	3	4	5	5 - Year Totals
Fiscal Year		FY 16	FY 17	FY 18	FY 19	FY 20	
	Trans fm 001	1,550	1,550	1,550	1,550	1,550	7,750
	Trans fm 111 Unincorporated	4,012	4,012	4,012	4,012	4,012	20,060
	BCB / LASIP	937					937
	DEP / Naples Park 110th Ave - 107th Ave	375					375
	BP / Restore Act	TBD	TBD	TBD	TBD	TBD	TBD
	Interest/Misc	40	35	35	35	35	180
	Neg 5% Revenue Reserve	(2)	(2)	(2)	(2)	(2)	(10)
	Carry Forward	92					92
	Total Program Revenue	7,004	5,595	5,595	5,595	5,595	29,384

FY 16 – 20 PROJECT DESCRIPTIONS

Current Multi-Year Programs

1. Gordon River WQ Park (Freedom Park) (P/N 51018)
Maintenance and Monitoring - Recurring maintenance efforts of the man-made wetlands & filter marsh stormwater treatment train; collection and laboratory analysis of surface water intake and discharge samples for water quality treatment monitoring, tracking the effectiveness of the system.
2. LASIP (P/N 51101)
Major improvements to the Lely Canal, Lely Branch Canal, and Lely-Manor Canal Systems in the East Naples area. Construction of the last three (3) segments, of the original 27 component project which began in 2006, will begin in FY16. Efforts are currently underway to extend the Environmental Resource Permit issued jointly by the US Army Corps of Engineers and the South Florida Water Management District. After project's overall completion, recurrent maintenance will be required to monitor and assure its effectiveness.
3. Stormwater Planning (P/N 51144)
Long range strategic planning for future program progression, capital improvement project identification and prioritization, specific basin issue evaluation and funding appropriation analysis. Individual Project Feasibility Studies will be funded from this Project and guided by the project ranking criteria established the Planning process identified in Attachment A.
4. NPDES MS4 Program (P/N 60121)
Continued development of and compliance with the federally mandated National Pollutant Discharge Elimination System (NPDES) permitting program for the County operated Municipal Separate Storm Sewer System (MS4).

Infrastructure Maintenance Projects

5. Golden Gate City Outfall Replacements (P/N 51029)
Sequential replacement including planning, design and construction of antiquated system of stormwater structures and outfall pipes located within the public right-of-ways and drainage easements of an existing, four square mile, developed area known as Golden Gate City.
6. Gateway Triangle Improvements (P/N 51803)
The construction of the pond and pump station have been completed. The pumping station is designed to discharge treated stormwater runoff to two different locations: one south of US 41, and one into a new stormwater system along the west side of Brookside Drive north of Davis Blvd (north outfall). Currently, the north outfall is closed; and a study is being done to simulate future conditions of the Brookside waterway with the north outfall operational.
7. Secondary System Repair (P/N 60094)
Planning and execution on an as-needed or contingency basis of unexpected necessary system infrastructure repairs or replacements; These efforts are characteristically slightly more complex than typical operation and maintenance repairs, needing some basic planning, permitting, design and construction oversight.

8. Eagle Creek Weir (P/N 60124)
Due to documented structural and mechanical deficiencies as well as operational and maintenance issues (2012 CH2MHill Report), this project has been initiated to first evaluate the existing conditions of the basin, verifying peak discharge rates and stages, and based on findings, recommend the degree of necessary remediation –weir mechanism replacement. Currently, design is being developed. Subsequent efforts will include permitting and construction.
9. Halderman Creek Weir Replacement(P/N 60103)
Due to documented structural and mechanical deficiencies as well as operational and maintenance issues (2012 CH2MHill Report), this project has been initiated to first evaluate the existing conditions of the basin, verifying peak discharge rates and stages, and based on findings, recommend the degree of necessary remediation –structure replacement. Currently, design is being developed. Subsequent efforts will include permitting and construction activities necessary for weir replacement..
10. Pine Ridge Canal Weir Replacement (P/N 60119)
The weir has current documented structural and mechanical deficiencies as well as operational and maintenance issues (2012 CH2MHill Report). This project is being initiated to first evaluate the existing conditions of the basin, verifying peak discharge rates and stages, and based on findings, recommend the degree of necessary remediation. Subsequent efforts will include design, permitting and construction activities necessary for weir replacement.

System Capacity Projects

11. Vanderbilt Drive (Coordination w/ Public Utilities – P/N 60122)
This project is to include the reconstruction of the roadside swale along the east side of Vanderbilt Drive adjacent to Naples Park, and within the Conner's Sub-division (west of Vanderbilt Drive).Design has been completed. Construction expected to begin in FY1.
12. Immokalee Stormwater Improvements (P/N 60143)
Project is to fund future design cost for Lake Trafford Road Stormwater Improvement which is part of the Immokalee Master Plan.
13. Naples Park Swales (Coord. W/ Utilities) (P/N TBD)
In coordination with the Utilities Division water main and possibly sanitary sewer collection system replacements, this potential project is consideration of roadside swale reconstruction in conjunction with utility replacement work, should funds become available; includes all east-west streets in the Naples Park Subdivision.
14. Ridge Street
The center section of Ridge Street, located between US 41 and Goodlette Road just south of the High Point community, has no stormwater collection and conveyance system. The lack of any stormwater management system, coupled with the low lying topography has created a documented area of chronic street and yard flooding during most rainy seasons. Staff considers that one possible remedy is the installation of basic stormwater runoff collection and conveyance system located within existing right of way. A feasibility analysis has been completed.

15. Palm Springs Outfall Improvements (P/N TBD)
Upgrades are necessary to one remaining, unimproved section of the surface water management conveyance system for the Palm Springs area. Easements and existing ditch improvements are necessary for an approximately 1,000 foot-long section.
16. Cooper Drive
The eastern section of Cooper Drive experienced street and yard flooding during the 2013 rainy season near the intersection of 14th Street North. A preliminary assessment determined that conveyance of stormwater runoff through existing culverts located within the road right of way may be restricting flow to the outfall – the ditch along the west side of Goodlette Frank Road. A feasibility analysis has been completed.
17. Lely Branch New Weir
Project is to include the construction of a new weir just north of Rattlesnake Hammock Road to maintain historic dry season water levels in the area without reducing the conveyance capacity of the newly improved system –Lely Branch Canal. A feasibility analysis has been completed.

Watershed Management Plan Projects

18. North Golden Gate Estates Flowway Restoration (AKA GGWIP) (P/N 60127)
This project is to develop and implement actions to manage water management system strategies with high potential for overarching impact to Collier County in accordance with the Collier County Watershed Management Plan.
19. North Belle Meade Spreader Swale (P/N TBD)
Further development of plans to redirect an appropriate amount of flow from the Golden Gate Main Canal into the North Belle Meade area providing environmental benefit for Naples Bay and the wetlands of North Belle Meade, increased ground water recharge improving the neighboring public water supply well field sustainability.

Water Quality Improvement Projects

20. Gordon River Ext. Burning Tree Drive Diversion (P/N 60102)
This effort is the evaluation phase of a potential project which may result in the diversion of additional surface water flow into areas adjacent to the Gordon River Extension to provide additional water quality treatment prior to discharge into the Gordon River.

Stormwater 2015 AUIR Project Location Map

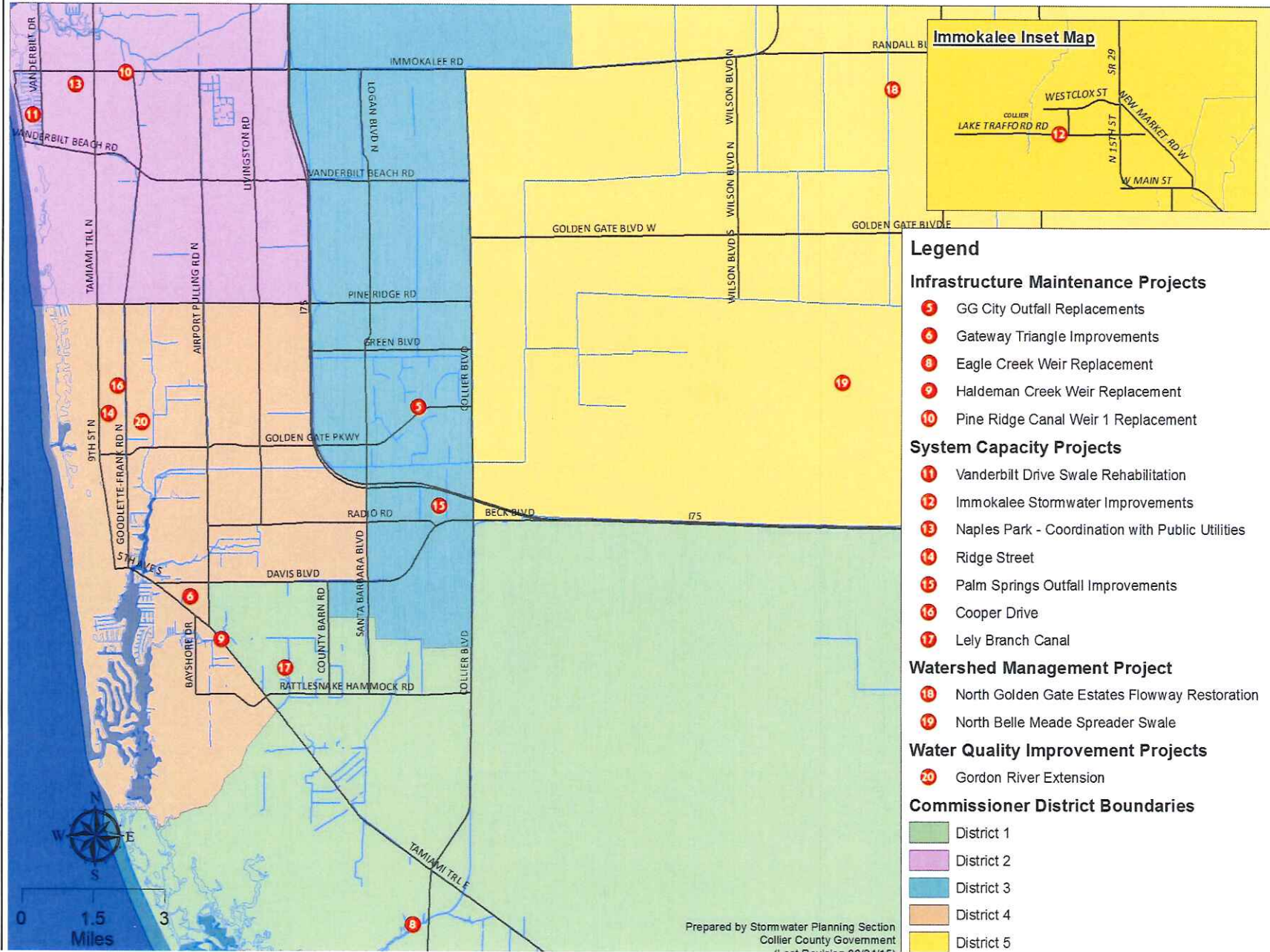


Figure 3: 2015 AUIR Project Location Map

Attachment "A"

COLLIER COUNTY STORMWATER MANAGEMENT PROJECT PLANNING PROCESS

Objective: To adequately identify and prioritize stormwater management projects to include in the County's AUIR/5-year Plan and Budgeting process.

Purpose: To provide the Board County Commissioners with a general outline of the ongoing Project Planning and Prioritization Process.

Considerations:

On December 13, 2011, the BCC approved the County Watershed Management Plan and a Surface Water Management Business Plan. The Business Plan serves as a strategic guide for future Stormwater Management program progression and funding analysis decisions. Guiding principles from this Business Plan have been used in developing the Stormwater Planning Program's AUIR/5-year Plan and Budget Process.

The goal of the Stormwater Management Project Planning Process is to identify and prioritize projects for which feasibility studies will be performed. Studies will then be used to rank the projects for eventual funding and construction within the County's AUIR/5-year Plan and annual budget process. The Feasibility Studies will also provide staff with better project cost estimates for preparing budget requests. Input from external stakeholders will also be used to recommend projects for the AUIR/5-year Plan.

Plan Elements:

➤ **Potential Project Database**

Staff has developed a Comprehensive Stormwater Needs database that contains all potential future stormwater improvement, ecological restoration, land acquisition and storage reservoir. Projects are provided from three main sources: customer complaint database, staff knowledge and Planning Studies. This database is periodically updated to reflect new information as projects are implemented and sources provide new potential projects.

➤ **Project Profiles**

Staff selects potential projects from the database to gather detailed information to develop Project Profiles. Project Profiles are based by first determining the Objective of the Project, Benefit Area and Preliminary Conceptual Cost. Once those three basic items are defined, staff can provide information regarding affected acreage and population, per parcel cost, per acre cost, per capita cost, and per \$1,000 of assessed value cost. A narrative explaining the objective, purpose and needs of the project is also provided in the Project Profile. As of 08/24/2015, staff has developed 15 draft project profiles.

➤ **Scoring Committee and Project Ranking Criteria**

A Stormwater Planning Process Committee has been established to review and score the Project Profiles. The seven (7) committee members, all county staff, come from different departments such as Stormwater, Comprehensive and Floodplain Management Planning,

Engineering, Road Maintenance, and Pollution Control. Scoring is based on four major aspects: Health and Safety, Project Feasibility, Project Support, and Environmental Benefits.

➤ **Feasibility Studies**

Top ranked Project Profiles are selected for Feasibility Studies which provide more detailed and secured information regarding the project's cost, life, and stages. Project Profiles are updated with information from the feasibility studies.

The Scoring Committee has ranked ten projects; some current and ongoing, and some conceptual projects. The ranking and evaluation process and input from the committee has been deemed extremely useful and valid. As such, ranking information is considered and utilized in this current AUIR/5-year Plan.

Attachment "B"

SYSTEM INVENTORY AND GIS DATABASE REPORT

Objective

To maintain a complete and current inventory of all existing county maintained stormwater and surface water management system assets.

Purpose

To provide the Board of County Commissioners with an update on progress made to date with establishment of the Stormwater Management System Inventory GIS Database

Considerations:

For the past four years staff has been identifying existing stormwater management assets and sequentially building the stormwater management system geodatabase. The database currently includes 100% of the main canals and ditches and water level and flow control structures and 90% of the arterial roadway drainage infrastructure. Several hundred miles of collector and minor roadway swales, culverts and inlets are yet to be added to the dataset. They represent the majority of stormwater assets maintained on a day to day basis. All of the water control structures are field verified and have conditional ratings. Field verification is ongoing for the arterial roadway stormwater management infrastructure.

Current data collection is being coordinated with Operation and Maintenance staff (O&M) activities to the greatest extent possible. When data collection technicians log entrees associated to geodatabase objects in advance of a scheduled O&M activity, subsequent O&M activity entrees can then be associated to geodatabase objects. In this way, a work history for each asset is created that is now associated to geodatabase objects. Creating a work history for each asset can result in high level reporting such as required by the state for the County National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System (NPDES MS4) Permit, Permit # FLR04E037. Some examples are pesticide sprayers accounting for chemical usage including location and acreage and sediment removal tied to asset type (inlet, culvert, swale).

Other information being collected and added to the database includes information collected during the right of way permitting process, roadside assets in neighborhoods, roadside improvements completed as part of a neighborhood stormwater improvements, remedial work or existing condition assessments (surveys), roadway outfalls to canals or tidal waters, secondary county roadway swales, culverts, inlets and manholes including all Golden Gate Estates roads and the urban county roads, and outfalls from private developments discharging into the county maintained system.

The existing Stormwater Management System Inventory GIS Database is substantial, functioning, and has become an important tool used daily by O&M staff as well as Stormwater Planning staff. All the data, maps and asset tables produced for this AUIR were generated using the database. The database is being used to capture information that is essential for mandated reporting to the state as part of the County's NPDES MS4 Permit requirements, as well as reporting for the County's participation in the National Flood Insurance Program Community Rating System (NFIP CRS). The effort to complete the database is ongoing and will continue for several more years. Updates will continue perpetually.

Attachment "C"

Table 2 - Current Collier County Canal System

Section ID	Facility Name	Length (MI)
ARN-01-C0005	Four Seasons Perimeter Ditch	0.385974
ARN-01-C0015	Four Seasons Perimeter Ditch	0.520813
ARN-01-C0025	Four Seasons Perimeter Ditch	0.67904
ARN-02-C0005	Four Seasons Perimeter Ditch	0.034687
ARN-02-C0015	Four Seasons Perimeter Ditch	0.002048
ARN-02-C0025	Four Seasons Perimeter Ditch	0.187006
ARN-02-C0035	Four Seasons Perimeter Ditch	1.011842
ARN-02-C0035	Four Seasons Perimeter Ditch	0.014782
ARN-03-C0005	Four Seasons Lateral Ditches	0.051086
ARN-04-C0005	Four Seasons Lateral Ditches	0.055335
ARN-05-C0005	Four Seasons Lateral Ditches	0.048088
ARN-06-C0005	Four Seasons Lateral Ditches	0.053851
ARN-06-C0015	Four Seasons Lateral Ditches	0.05446
ARN-07-C0005	Four Seasons Lateral Ditches	0.053211
ARN-07-C0015	Four Seasons Lateral Ditches	0.056783
ARN-08-C0015	Four Seasons Lateral Ditches	0.057443
ARN-09-C0005	Four Seasons Lateral Ditches	0.052669
ARN-09-C0015	Four Seasons Lateral Ditches	0.017708
ARN-09-C0035	Four Seasons Lateral Ditches	0.022291
ARN-09-C0045	Four Seasons Lateral Ditches	0.04838
ARN-11-C0005	Four Seasons Lateral Ditches	0.049312
ARN-11-C0015	Four Seasons Lateral Ditches	0.022974
ARN-12-C0005	Four Seasons Lateral Ditches	0.053111
ARN-12-C0015	Four Seasons Lateral Ditches	0.046477
ARN-12-C0035	Four Seasons Lateral Ditches	0.023752
ARN-12-C0045	Four Seasons Lateral Ditches	0.051847
ARN-13-C0005	Four Seasons Lateral Ditches	0.048829
ARN-13-C0015	Four Seasons Lateral Ditches	0.051594
ARN-14-C0005	Four Seasons Lateral Ditches	0.040537
ARN-14-C0015	Four Seasons Lateral Ditches	0.021511
ARN-14-C0045	Four Seasons Lateral Ditches	0.017534
ARN-15-C0005	Four Seasons Lateral Ditches	0.052277
ARN-16-C0005	Four Seasons Lateral Ditches	0.051046
ARN-16-C0015	Four Seasons Lateral Ditches	0.024162
ARN-17-C0005	Four Seasons Lateral Ditches	0.049664
ARN-17-C0015	Four Seasons Lateral Ditches	0.023999
ARN-18-C0005	Four Seasons Lateral Ditches	0.051911
ARN-18-C0015	Four Seasons Lateral Ditches	0.017398
ARN-20-C0005	Four Seasons Lateral Ditches	0.056789
ARN-21-C0005	Four Seasons Lateral Ditches	0.049621
ARN-21-C0015	Four Seasons Lateral Ditches	0.053363
ARN-22-C0005	Four Seasons Lateral Ditches	0.042084
ARN-22-C0015	Four Seasons Lateral Ditches	0.038992
BRC-00-C0300-1	SR 29 Canal (Barron River)	0.018938
BRN-00-C0005-1	Barron River North Canal	0.01889
BRN-00-C0105	Barron River North Canal	0.311422
BRN-00-C0115	Barron River North Canal	0.420304
BRN-01-C0015	Immokalee Airport Perimeter Canal	0.734004
BRN-01-C0025	Immokalee Airport Perimeter Canal	0.149202
BRN-01-C0035	Immokalee Airport Perimeter Canal	2.678074
BRN-02-C0005	Immokalee Airport Perimeter Canal	1.370284
BRN-04-C0005	BRN-04-C0005	0.222688
BRN-04-C0005	BRN-04-C0005	0.019707
BRN-05-C0005	BRN-05-C0005	0.136226
C4C-00-C0045	Eagle Creek Canal	0.155822
C4C-01-C0005	Wing South	1.449333
C4C-02-C0005	Skyway Drive	0.366944
C4C-02-C0015	Skyway Drive	0.031178
C4C-02-C0025	Skyway Drive	0.317787
CCB-01-C0025	Twin Eagles Ditch	1.110466
CCB-01-C0035	Twin Eagles Ditch	0.11828
CCB-01-C0045	Twin Eagles Ditch	0.872932
CCB-02-C0005	Twin Eagles Ditch	1.019699
CCB-03-C0005	Twin Eagles Ditch	0.373447
CCB-05-C0025	Corkscrew Sanctuary Ditch	0.073089
CCB-07-C0005	Corkscrew Sanctuary Ditch	1.028613
CRB-05-C0005	Encore Way Outfall	0.228364
CRB-05-C0015	CRB-05-C0015	0.016128
CRB-05-C0025	CRB-05-C0025	0.011599
CRB-05-C0045	CRB-05-C0045	0.019777

Section ID	Facility Name	Length (MI)
CRB-05-S0035	CRB-05-S0035	0.003544
CRB-06-C0015	Encore Way Outfall	0.098929
CSB-04-C0005	CSB-04-C0005	0.402885
CSB-05-C0045	Corkscrew Slough	0.763491
D1C-00-C0005	Lambert Canal	0.115269
D1C-00-C0015	Lambert Canal	0.010634
D1C-00-C0025	Lambert Canal	0.01521
D1C-00-C0035	Harvey Canal	0.847719
D1C-00-C0045	Harvey Canal	2.162958
D1C-00-C0055	Harvey Canal	0.002794
D1C-01-C0005	D1C-01-C0005	0.004655
D1C-01-C0015	D1C-01-C0015	0.020543
D1C-01-C0025	D1C-01-C0025	0.892831
D2C-01-C0005	Napa Ditch	0.131833
D2C-01-C0035	D2C-01-C0035	0.197943
D2C-02-C0005	Oaks/ Vanderbilt Canal	0.082921
D2C-02-C0015	Oaks/ Vanderbilt Canal	0.894608
D2C-03-C0005	Wyndemere south outfall	0.797831
D2C-04-C0005	Livingston Woods Outfall	0.918175
D2C-06-C0005	Oaks/ Vanderbilt Canal	1.372055
D2C-06-C0025	Oaks/ Vanderbilt Canal	0.243098
D2C-06-C0035	Oaks/ Vanderbilt Canal	0.303451
D2C-07-C0035	D2C-07-C0035	0.909402
D2C-08-C0005	D2C-08-C0005	0.231502
D2C-08-C0015	D2C-08-C0015	0.244571
D2C-08-C0025	D2C-08-C0025	0.227313
D2C-08-C0035	D2C-08-C0035	0.101702
D2C-08-C0045	D2C-08-C0045	0.076059
D2C-09-C0005	D2C-09-C0005	0.013215
Davis	Davis	0.058785
Davis	Davis	0.048571
EBC-00-C0005	Coco East Outfall	0.001951
EMC-02-C0025	Desoto Ditch	1.060209
EMC-02-C0035	Desoto Ditch	0.986794
FKC-04-C0005	Desoto Ditch	0.810357
FKC-04-C0015	Desoto Ditch	0.214576
GCB-00-C0035	Sunrise Canal	0.732702
GCB-01-C0005	Neptune Canal	0.592643
GCB-02-C0005	Hunter Canal	0.556789
GCB-02-C0015	Hunter Canal	0.344261
GCB-03-C0005	Tahiti Canal	0.193143
GCB-04-C0005	Lucerne Canal	0.210898
GCB-05-C0005	Sunset Canal	0.183514
GCB-06-C0005	Sunshine Canal	0.367158
GCB-06-C0015	Sunshine Canal	0.38425
GCB-07-C0005	Serenade Canal	0.119812
GRE-00-C0013	Gordon River	0.003467
GRE-00-C0015	Gordon River	1.004336
GRE-00-C0015	Gordon River	0.163753
GRE-00-C0015	Gordon River	0.446735
GRE-00-C0025	Forest Lakes West Side	0.676706
GRE-00-C0025	Forest Lakes West Side	0.062799
GRE-00-C0025	Forest Lakes West Side	0.302262
GRE-00-C0025	Forest Lakes West Side	0.038162
GRE-01-C0015	GRE-01-C0015	0.02215
GRE-01-C0025	Goodlette Rd. Pine Ridge to GG Blvd.	0.047951
GRE-01-C0035	Goodlette Rd. Pine Ridge to GG Blvd.	0.061413
GRE-01-C0045	Goodlette Rd. Pine Ridge to GG Blvd.	0.071995
GRE-01-C0055	Goodlette Rd. Pine Ridge to GG Blvd.	0.199451
GRE-01-C0065	Goodlette Rd. Pine Ridge to GG Blvd.	0.298485
GRE-01-C0075	Goodlette Rd. Pine Ridge to GG Blvd.	0.133844
GRE-01-C0085	Goodlette Rd. Pine Ridge to GG Blvd.	0.262649
GRE-01-C0095	Goodlette Rd. Pine Ridge to GG Blvd.	0.429405
GRE-01-C0105	Goodlette Rd. Pine Ridge to GG Blvd.	0.452232
GRE-01-C0105	Goodlette Rd. Pine Ridge to GG Blvd.	0.061318
GRE-01-C0115	Goodlette Rd. Pine Ridge to GG Blvd.	0.266141
GRE-01-C0125	Goodlette Rd. Pine Ridge to GG Blvd.	0.00583
GRE-01-C0135	Goodlette Rd. Pine Ridge to GG Blvd.	0.112256
GRE-03-C0005	Wilderness Ditch	0.493422
GRE-04-C0005	Poinciana Village (Estuary Canal)	0.251148
GRE-04-C0015	Poinciana Village (Coach House Lane)	0.259674
GRE-04-C0025	Poinciana Village	0.975678
GRE-05-C0005	Poinciana Village	0.645013
GRE-07-C0005	GRE-07-C0005	0.181536

Section ID	Facility Name	Length (MI)
GRE-08-C0005	Forest Lakes South Side	0.082221
GRE-08-C0005	Forest Lakes South Side	0.392113
GRE-17-C0005	GRE-17-C0005	0.695359
GRE-51-C0005	Baily Lane Ditch	0.120684
GRE-52-C0005	Baily Lane Ditch	0.035684
GTB-05-C0005	GTB-05-C0005	0.099587
GTB-05-C0005	Manorca Street Swale	0.050151
GTB-05-C0015	Manorca Street Swale	0.02876
GTB-14-C0005	Village Plaza Ditch	0.108553
HCB-00-C0005	Haldeman Creek	0.562943
HCB-00-C0015	Haldeman Creek	0.039374
HCB-00-C0025	Haldeman Creek	0.016697
HCB-00-C0035	Haldeman Creek	0.049818
HCB-00-C0045	Haldeman Creek	0.209452
HCB-00-C0075-1	Haldeman Creek	0.048763
HCB-00-C0115	Haldeman Creek	0.286776
HCB-00-C0125	Haldeman Creek	0.121214
HCB-01-C0005	Lake Kelly Outfall	0.566819
HCB-02-C0005	Sugden Park (Lake Avalon)	0.02594
HCB-02-C0045	United Telephone Ditch	0.044287
HCB-03-C0005	Lake Kelly Outfall	0.333704
HCB-07-C0005	Guilford Rd.	0.428292
HCB-08-C0005	Guilford Rd.	0.30094
HCB-09-C0055	HCB-09-C0055	0.247391
HEC-04-C0025	HEC-04-C0025	0.373339
HEC-07-C0005	Roost Rd	0.175364
HEC-07-C0015	Roost Rd	0.321207
HEC-07-C0025	Roost Rd	0.156925
HEC-07-C0035	Roost Rd	0.09042
HEC-07-C0045	Roost Rd	0.149124
IDO-00-C0025	Palm River Eastwood Ditched	0.214915
IDO-00-C0035	Palm River Eastwood Ditched	0.025474
IDO-00-C0045	Palm River Eastwood Ditched	0.027765
IWO-00-C0005	Imperial/FPL Ditch	0.006415
IWO-00-C0015	Imperial/FPL Ditch	0.036963
IWO-01-C0005	Imperial/FPL Ditch	0.246207
LCB-00-C0025	Lely Main Canal North-South	0.334931
LCB-00-C0035	Lely Main Canal East-West	0.109925
LCB-00-C0041	Lely Main Canal East-West	0.003783
LCB-00-C0045	Lely Main Canal East-West	0.110149
LCB-00-C0055	Lely Main Canal East-West	0.307744
LCB-00-C0065	Lely Main Canal East-West	0.340886
LCB-00-C0073	Naples Mobile Estates Ditch	0.018732
LCB-00-C0155	Santa Barbara Ext Canal	0.114726
LCB-00-C0165	Santa Barbara Ext Canal	0.132908
LCB-00-C0175	Santa Barbara Ext Canal	0.007732
LCB-00-C0175	Santa Barbara Ext Canal	0.105533
LCB-00-C0185	Santa Barbara Ext Canal	0.219564
LCB-01-C0005	Lely Main Canal North-South	0.077516
LCB-01-C0015	Riviera Powerline Canal	0.357961
LCB-01-C0025	Riviera Powerline Canal	0.625905
LCB-01-C0035	Riviera Golf Estates Ditch	0.047937
LCB-01-C0085	Davis Blvd. ditch	0.095751
LCB-01-C0095	Davis Blvd. ditch	0.377599
LCB-01-C0105	Davis Blvd. ditch	0.493209
LCB-01-C0115	Davis Blvd. ditch	0.11711
LCB-01-C0125	Davis Blvd. ditch	0.03654
LCB-01-C0135	Davis Blvd. ditch	0.023006
LCB-01-C0145	Davis Blvd. ditch	0.015981
LCB-01-C0155	Davis Blvd. ditch	0.17096
LCB-01-C0165	Davis Blvd. ditch	0.09297
LCB-02-C0005	Hawaii Blvd Ditches	0.06169
LCB-02-C0015	Hawaii Blvd Ditches	0.030926
LCB-02-C0025	Boca Ciega Ditch	0.490825
LCB-03-C0005	Boca Ciega Ditch	0.056308
LCB-04-C0005	Saint Peters Swales	0.218384
LCB-05-C0005	Hawaii Blvd Ditches	0.189263
LCB-06-C0005	Queens Park North	0.050721
LCB-07-C0005	Hawaii Blvd Ditches	0.177209
LCB-08-C0005	Colony Pines Ditch	0.176021
LCB-09-C0005	County Barn Rd	0.248919
LCB-09-C0015	County Barn Rd	0.03494
LCB-09-C0025	County Barn Rd	0.323172
LCB-09-C0035	County Barn Rd	0.105305

Section ID	Facility Name	Length (MI)
LCB-09-C0045	County Barn Rd	0.091206
LCB-09-C0055	County Barn Rd	0.082991
LCB-09-C0065	County Barn Rd	0.085183
LCB-09-C0075	County Barn Rd	0.03821
LCB-09-C0085	County Barn Rd	0.029814
LCB-09-C0095	County Barn Rd	0.02008
LCB-09-C0105	County Barn Rd	0.119934
LCB-09-C0115	County Barn Rd	0.066478
LCB-09-C0125	County Barn Rd	0.042072
LCB-09-C0135	County Barn Rd	0.014489
LCB-09-C0145	County Barn Rd	0.101726
LCB-09-C0155	County Barn Rd	0.004728
LCB-09-C0165	County Barn Rd	0.080229
LCB-09-C0175	County Barn Rd	0.083164
LCB-09-C0185	County Barn Rd	0.045104
LCB-09-C0195	County Barn Rd	0.109442
LCB-10-C0005	Riviera Golf Estates Ditch	0.9361
LCB-11-C0005	Naples Mobile Estates Ditch	0.710185
LCB-12-C0015	Lely Canal Branch	0.250399
LCB-13-C0005	Lely Main Canal East-West	0.059262
LCB-13-C0015	Lake Lenore Ditch	0.365162
LCB-15-C0005	Naples Mobile Estates Ditch	0.005494
LCB-15-C0015	Naples Mobile Estates Ditch	0.003367
LCB-17-C0005	Lely Main Canal North-South	0.019948
LCB-19-C0005	LCB-19-C0005	0.106712
LCB-19-C0015	LCB-19-C0015	0.019325
LCB-20-C0005	LCB-20-C0005	0.004416
LCB-20-C0015	LCB-20-C0015	0.007133
LMB-00-C0005	Lely Manor Outfall South Section	0.7299
LMB-00-C0009	Lely Manor Outfall South Section	0.036697
LMB-00-C0025	Lely Manor Outfall Canal	0.822841
LMB-00-C0035	Naples Manor North Canal	0.099649
LMB-00-C0045	Naples Manor North Canal	0.348863
LMB-00-C0065	Naples Manor North Canal	0.0455
LMB-00-C0075	Naples Manor North Canal	0.073813
LMB-00-C0075	Naples Manor North Canal	0.009034
LMB-00-C0095	Naples Manor North Canal	0.588193
LMB-00-C0105	Naples Manor North Canal	0.128187
LMB-01-C0005	Myrtle Cove West	0.470466
LMB-01-C0015	Myrtle Cove West	0.061608
LMB-01-C0025	Naples Manor Perimeter Ditch	0.39356
LMB-01-C0035	Naples Manor Perimeter Ditch	0.020059
LMB-01-C0045	Naples Manor Perimeter Ditch	0.277494
LMB-03-C0005	Myrtle Cove East	0.475943
LMB-03-C0007	Naples Manor Ditches	0.049545
LMB-03-C0013	Naples Manor Ditches	0.002093
LMB-03-C0025	Naples Manor Ditches	0.034692
LMB-03-C0035	Naples Manor Ditches	0.23288
LMB-03-C0045	Naples Manor Ditches	0.14067
LMB-03-C0055	Naples Manor Ditches	0.0429
LMB-05-C0045	Naples Manor Ditches	0.045631
LMB-05-C0055	Naples Manor Ditches	0.152456
LMB-05-C0065	Naples Manor Ditches	0.233227
LMB-05-C0075	Naples Manor Ditches	0.264729
LMB-06-C0005	Lely Manor Canal	0.070581
LMB-06-C0011	Lely Manor Canal	0.151995
LMB-06-C0015	Lely Manor Canal	0.231338
LMB-06-C0025	Lely Manor Canal	0.259888
LMB-07-C0025	Treviso Canal East	0.85687
LMB-07-C0035	Treviso Canal West	0.499126
LMB-07-C0045	Naples Manor Ditches	0.009603
LMB-10-C0025	Naples Manor Perimeter Ditch	0.130822
LMB-11-C0005	Lely Manor Canal	0.228941
LMB-11-C0015	Saint Andrews Daycare Ditch	0.03432
LMB-13-C0005	Lely Manor Canal	0.008562
LMB-13-C0025	Naples Manor Ditches	0.01823
LMB-13-C0035	Naples Manor Ditches	0.130472
LMB-13-C0045	Naples Manor Ditches	0.068916
LMB-14-C0005	Four Fountains Ditch	0.087769
LMB-15-C0005	Lely Manor Canal	0.158693
MCB-07-C0005	MCB-07-C0005	0.489234
MCB-07-C0015	MCB-07-C0015	0.262447
MCB-09-C0005	MCB-09-C0005	0.199205
MCB-09-C0015	MCB-09-C0015	0.360001

Section ID	Facility Name	Length (MI)
MCB-09-C0025	MCB-09-C0025	0.581818
MCB-10-C0015	MCB-10-C0015	0.006535
MCB-10-C0025	MCB-10-C0025	0.087862
MCB-11-C0015	MCB-11-C0015	0.001845
MCB-12-C0005	Trail Acres	0.393973
MCB-12-C0015	Trail Acres	0.33781
MCB-15-C0005	Lake Park Rd	0.025859
MCB-15-C0005	Lake Park Rd	0.117902
MCB-15-C0015	Lake Park Rd	0.056234
MCB-15-C0025	Lake Park Rd	0.057469
MCB-15-C0035	Lake Park Rd	0.063325
MCB-15-C0045	Lake Park Rd	0.022005
MCB-17-C0015	MCB-17-C0015	0.1213
MCB-17-C0035	MCB-17-C0035	0.081335
MGG-01-C0005	Sunflower Canal	0.303342
MGG-02-C0005	Shell Canal	0.031169
MGG-02-C0015	Shell Canal	0.19479
MGG-02-C0019	Shell Canal	0.13981
MGG-02-C0025	Tropicana Canal	0.009284
MGG-02-C0035	Tropicana Canal	0.99922
MGG-03-C0005	Sunfish Canal	0.307527
MGG-04-C0015	Santa Barbara Canal	0.195218
MGG-04-C0025	Coronado Canal	0.097172
MGG-04-C0025	Coronado Canal	0.481348
MGG-04-C0035	Coronado Canal	0.007495
MGG-04-C0045	Coronado Canal	0.484473
MGG-05-C0005	Ibis Canal	0.199337
MGG-06-C0005	Coronado Canal	0.128572
MGG-09-C0005	C-2 North/South canal	0.128768
MGG-09-C0015	C-2 North/South canal	0.122758
MGG-09-C0025	C-2 North/South canal	0.904335
MGG-09-C0035	C-2 North/South canal	0.742835
MGG-10-C0005	C-2 East/West Canal	0.122415
MGG-10-C0015	C-2 East/West Canal	0.238335
MGG-10-C0025	C-2 East/West Canal	0.239564
MGG-10-C0035	C-2 East/West Canal	0.237873
MGG-10-C0045	C-2 East/West Canal	1.220093
MGG-12-C0005	Fairgrounds Canal	1.621929
MGG-12-C0015	Fairgrounds Canal	0.236517
MGG-12-C0025	Fairgrounds Canal	0.060807
MGG-12-C0035	Fairgrounds Canal	0.057955
MGG-15-C0015	MGG-15-C0015	0.160186
MGG-15-C0025	MGG-15-C0025	0.004397
MGG-15-C0045	Palm Springs Outfall	0.495338
MGG-16-C0035	Radio Rd outfall	0.042573
MGG-16-C0045	Radio Rd outfall	0.556909
MGG-17-C0015	Coconut Outfall Swale	0.202816
MGG-18-C0005	Transfere Station Ditch	0.306765
MGG-18-C0025	Transfere Station Ditch	0.125563
MGG-18-C0035	Transfere Station Ditch	0.265327
MGG-18-C0045	Transfere Station Ditch	0.0094
MGG-19-C0005	Bolt Canal	0.671044
MGG-19-C0015	MGG-19-C0015	0.728425
MGG-20-C0005	Bolt Canal	0.18563
MGG-20-C0015	MGG-20-C0015	0.061243
MGG-20-C0015	MGG-20-C0015	0.027738
MGG-20-C0025	MGG-20-C0025	0.388002
MGG-20-C0035	MGG-20-C0035	0.070515
OSB-01-C0015	County Line Rd Canal	0.991332
OSB-01-C0025	County Line Rd Canal	1.178834
OSB-01-C0035	County Line Rd Canal	0.713474
OSB-01-C0045	County Line Rd Canal	1.002526
OSB-01-C0055	County Line Rd Canal	0.935326
OSB-01-C0065	County Line Rd Canal	0.962247
OSB-01-C0075	County Line Rd Canal	0.980371
OSB-01-C0085	County Line Rd Canal	0.838122
PLM-00-C0015	Palm River Canal	0.099879
PLM-00-C0025	Palm River Canal	0.549191
PLM-00-C0045	Palm River Raven Way Ditch	0.365374
PRC-00-C0005	Pine Ridge 1 Canal	0.399448
PRC-00-C0015	Pine Ridge 1 Canal	0.145081
PRC-00-C0025	Pine Ridge 1 Canal	0.014772
PRC-00-C0035	Pine Ridge 1 Canal	0.041187
PRC-00-C0105	Goodlette Rd. VBR to Pine Ridge	0.181486

Section ID	Facility Name	Length (MI)
PRC-00-C0115	Goodlette Rd. VBR to Pine Ridge	0.738228
PRC-00-C0125	Goodlette Rd. VBR to Pine Ridge	0.547104
PRC-01-C0015	Hickory Road Ditch	0.009625
PRC-01-C0025	Hickory Road Ditch	0.433328
PRC-02-C0005	Carica Road Ditch	0.089339
PRC-02-C0015	Carica Road Ditch	0.004376
PRC-02-C0025	Carica Road Ditch	0.163161
PRC-02-C0035	Carica Road Ditch	0.066722
PSB-00-C0005	Palm Street Outfall	0.104226
RCB-02-C0005	Gail/Hazel Ditches	0.024773
RCB-02-C0015	Gail/Hazel Ditches	0.244938
RCB-02-C0025	Gail/Hazel Ditches	0.263031
RCB-02-C0035	Gail/Hazel Ditches	0.098621
RCB-02-C0045	Gail/Hazel Ditches	0.118397
RCB-02-C0055	Gail/Hazel Ditches	0.01328
RCB-02-C0065	Gail/Hazel Ditches	0.023005
RCB-02-C0075	Gail/Hazel Ditches	0.176867
RCB-03-C0005	North Rd Ditch	0.182618
RCB-03-C0005	North Rd Ditch	0.131177
RCB-03-C0015	North Rd Ditch	0.222544
RCB-03-C0025	North Rd Ditch	0.344614
RCB-03-C0035	North Rd Ditch	0.026888
RCB-04-C0005	RCB-04-C0005	0.306041
RCB-05-C0005	Estey/San Remo ditch	0.049595
RCB-05-C0015	Estey/San Remo ditch	0.183299
RCB-06-C0005	Flamingo/Bluebird ditch	0.248851
RCB-08-C0005	Lotus Swale	0.02594
S1S-00-C0055	Paradise Point Canal	0.477765
S1S-04-C0035	Manatee Canal	0.561606
S1S-05-C0005	S1S-05-C0005	0.35991
SPO-01-C0005	Riggs Rd	1.022875
UIB-00-C0005	Immokalee Main Canal	0.719801
UIB-00-C0025	Immokalee Main Canal	0.202592
UIB-00-C0035	Immokalee Main Canal	0.830285
UIB-00-C0045	Immokalee Main Canal	1.151593
UIB-00-C0055	Immokalee Main Canal	0.58722
UIB-03-C0003	Urban Immokalee Canals	0.350145
UIB-03-C0005	Urban Immokalee Canals	0.014439
UIB-03-C0015	Urban Immokalee Canals	0.148715
UIB-03-C0035	UIB-03-C0035	0.028571
UIB-03-C0045	UIB-03-C0045	0.028329
UIB-03-C0055	UIB-03-C0055	0.020674
WBB-00-C0003	Wiggins Bay	0.370644
WBB-00-C0005	Wiggins Bay	0.564816
WBB-00-C0015	Tarpon Cove Canal	0.418863
WBB-00-C0025	Tarpon Cove Canal	0.261895
WBB-00-C0035	Old US41 Swales	0.090851
WBB-00-C0045	Old US41 Swales	0.039719
WBB-00-C0045	Old US41 Swales	0.318759
WBB-00-C0055	Old US41 Swales	0.144202
WBB-00-C0065	Old US41 Swales	0.278833
WBB-00-C0075	Old US41 Swales	0.460583
WBB-01-C0005	WBB-01-C0005	0.27808
WBB-01-C0015	WBB-01-C0015	0.013642
WBB-01-C0025	WBB-01-C0025	0.018229
WBC-00-C0021	Coco West Outfall	0.004012
WBC-00-C0025	Coco West Outfall	0.145173
WBC-00-C0075	North Naples Water Treatment	0.006792
WBC-00-C0085	North Naples Water Treatment	0.25203
WBC-00-C0095	North Naples Water Treatment	0.139193
WBC-00-C0105	North Naples Water Treatment	0.066498
WBC-00-C0115	Victoria Park Outfall West End	0.227298
WBC-01-C0005	West Branch Cocohatchee River	0.015953
WPO-00-C0005	Haldemann Glades Outfall	0.005347
WPO-00-C0015	Haldemann Glades Outfall	0.283388
WPO-00-C0025	Haldemann Glades Outfall	0.196315

Table based on current Collier County GIS Database

Table 3: Existing Collier County Stormwater Control Structures

	Structure ID	Facility Name	Overall Rating
1	9CN-00-S0204	CR951 # 2	TBD
2	ARN-02-S0110	Four Seasons Outfall	C2
3	ARN-02-S0120	Four Seasons	C2
4	BRN-00-S0110	Sunniland	TBD
5	C4C-00-S0110	Eagle Creek	C2
6	C4C-04-S0090	C4C-04-S0091	TBD
7	C4C-04-S0090	R.H. Slough Weir 1 Naples Manor	TBD
8	D1C-00-S0120	Harvey #1	C2
9	D1C-00-S0150	Harvey #2	C1
10	D1C-01-S0102	VBR Weir	C1
11	D2C-07-S0150	Islandwalk	TBD
12	D2C-08-S0110	Islandwalk Inflow	C1
13	EBC-00-S0110	Coco East	C2
14	GRE-00-S0100	Gordon River	C2
15	GRE-01-S0480	Goodlette Road Canal #1	C3
16	GRE-01-S0510	Goodlette Road Canal #2	C1
17	GRE-03-S0100	Freedom Park Overflow (Bypass) Weir	C1
18	GRE-04-S0110	Poinciana	TBD
19	GRE-36-S0100	FP Spreader Berm	TBD
20	GRE-36-S0120	FP Wetlands Weir	C1
21	GRE-36-S0240	FP Waterfall	TBD
22	GRE-39-S0100	West Lake Outfall	C1
23	GRE-41-S0130	Twin Lakes Outfall	C1
24	GRE-44-S0140	Sperling Lake Outfall	C1
25	GTB-00-S0100	Flap Gates	C2
26	GTB-01-S0090	Flap Gates	TBD
27	GTB-04-S0110	Gateway Triangle	C2
28	HCB-00-S0130	Haldeman Creek	TBD
29	HCB-00-S0200	Lakewood County Club Weir	C1
30	HCB-01-S0100	Lake Kelly	C1
31	HCB-02-S0106	Lake Avalon	C2
32	HEC-03-S0100	Henderson #2	C2
33	HEC-04-S0100	Henderson #4	TBD
34	HEC-05-S0100	Henderson #5	TBD
35	LCB-00-S0122	Doral Circle	C1
36	LCB-00-S0150	Royal Wood	C1
37	LCB-00-S0190	Santa Barbara #1	C1
38	LCB-00-S0210	Santa Barbara #2	C1
39	LCB-00-S0230	Santa Barbara #3	C1
40	LCB-01-S0140	Crown Pointe	C2
41	LCB-15-S0100	Rattlesnake Rd. Weir	C1
42	LCB-20-S0220	LCB-20-S0220	TBD
43	LCB-20-S0230	Whitaker Rd Weir	TBD
44	LMB-00-S0100	LMB-00-S0100	TBD
45	LMB-00-S0100	Manor South	C1
46	LMB-00-S0120	Manor North	C1
47	LMB-00-S0150	Warren Street Weir	TBD
48	MGG-12-S0120	Fairgrounds	TBD
49	MGG-16-S0140	Radio Rd.	C1
50	MGG-19-S0020	Bolt Canal	TBD
51	PLM-00-S0100	Palm River Weir	C2
52	PRC-00-S0110	Pine Ridge 1	C4
53	RCB-02-S0110	Hazel Rd. Weir	C2
54	RCB-04-S0110	Production Park South	C2
55	WBB-01-S0110	Wiggins Pass Weir	C2
56	WBC-00-S0110	Coco West	C2
57	WBC-04-S0130	Victoria Park West Outfall	TBD
58	WPO-00-S0100	Winter Park Weir	C2

Table based on current Collier County GIS Database

Table 4: Control Structure Inspection Rating System

Overall Rating	Description for the Overall Structure	Application
C1	All old deficiencies noted from the previous inspection have been corrected.	Applied when no further action is recommended for the structure.
C2	Most old deficiencies noted from the previous inspection have been corrected.	Applied when the overall recommendation is to monitor minor deficiencies. Deficiencies will generally be re-evaluated at the next five-year inspection of the structure. Provide overall recommendation on when (timeframe) to monitor deficiencies previous to the next structure inspection cycle.
C3	Deficiencies and/or several old deficiencies noted in the last inspection have not been corrected.	Applied when the overall recommendation is to repair the structure during the next maintenance cycle or within 5 to 10 year capital repair schedule. Maintenance repairs are generally estimated to cost less than \$50,000; will not require engineering design.
C4	Serious deficiencies exist that if not immediately corrected may lead to or cause deterioration of the structure.	Applied when the overall recommendation is to elevate repairs to the County's five-year capital repair program. Includes repairs that are generally estimated to cost \$50,000 or more, will require engineering design, or should be repaired within a five-year period.
C5	Major deficiencies exist such that the structural integrity of the structure will probably not withstand a major flood event.	Applied when the overall recommendation is to elevate repairs to the County's capital repair program, but repairs should be conducted in the next cycle of repairs. Generally the next cycle of repairs would include repair design in the fiscal year following inspection with repair in the fiscal year following design (two-year process).
C5 Critical	Emergency deficiencies exist that must be addressed immediately. Deficiencies include those that impede operation of the structure or jeopardize public safety.	Applied when immediate repairs are recommended. Generally the County would respond by dispatching its Field Station personnel to triage the deficiency (e.g., block access to the structure, reduced structure operating capacity) until repairs could be affected. Responding County design engineers would be altered to fast track repairs if triage does not ameliorate the deficiencies.

**TBD: Current condition not known at this time. Update upon next inspection.

Attachment "D"

BASINS AND SUB-BASIN REPORT

Objective: To utilize a Watershed Approach to guide Collier County's Stormwater Management Program.

Purpose: To provide an update to the Board County Commissioners on the specified Basins or Watersheds of the County used as the flexible framework for water resource management and planning.

Considerations:

With the December 13, 2011 BCC acceptance of the County Watershed Management Plan, the Stormwater Management Program began a new approach to water resource management. The Plan is a strategy that provides assessment and management information for a geographically defined watershed, including analysis, actions, participants, and resources related to developing and implementing the plan. The Board clarified that plan implementation would progress as resources and available funding would allow. Staff has and continues to follow that direction in initiating plan recommendations.

Understanding issues on a basin by basin level allows for better quantitative analysis and program planning. There are currently 51 basins and/or sub-basins, in the Stormwater Management GIS database. This report includes a table listing all basin/sub-basin areas, a map depicting all basins (Figure 4) and a second map depicting six (6) of the basins that have specified restricted stormwater discharge rates (Figure 5) per Ordinance 2001-27. We use the terms basins and/or sub-basins interchangeably principally because there is no difference. A sub-basin is simply a smaller basin area defined by closer dividing geographic features. Basins are typically smaller in areas of more intense development. Stormwater discharge rates are limited so the rate at which runoff leaves a developed site will not cause adverse off-site (typically downstream) impacts. By ordinance, there is a maximum specified rate for all basins in the County and there are reduced rates for the six specified basins as determined by specific studies.

One of the Watershed Management Plan (WMP) efforts included a computer analysis which determined the maximum flow that can be conveyed by the various water management canal segments. Results indicated that various segments of the primary and secondary water management systems do not have the capacity to handle large storm events. One way to address this is to restrict the maximum flow in the associated basins that feed specific canals. Also two previously completed basin master plans, the Belle Meade Area Stormwater Master Plan and the Immokalee Area Stormwater Master Plan, recommended associated basin discharge rate reductions. A total of 16 additional basin maximum discharge rates have been recommended and are listed below. Stormwater Planning Staff has initiated a feasibility study to examine the consequences and is currently meeting with members of the Development Services Advisory Committee. Subsequent actions will include review and approval by the Planning Commission, Growth Management Plan and ordinance amendment, and approval by the County Commission.

Basins and Discharge Rates

Current Six Specific Discharge Limitation Basins

	<u>Rate</u>
1. Airport Road North Sub-Basin (North of Vanderbilt Beach Road)	0.04 cfs/acre
2. Airport Road South Sub-basin (South of Vanderbilt Beach Road)	0.06 cfs/acre
3. Cocohatchee Canal Basin	0.04 cfs/acre
4. Lely Canal Basin	0.06 cfs/acre
5. Harvey Basin	0.055 cfs/acre
6. Wiggins Bay Outlet Basin	0.13 cfs/acre

Proposed Additional Basins**

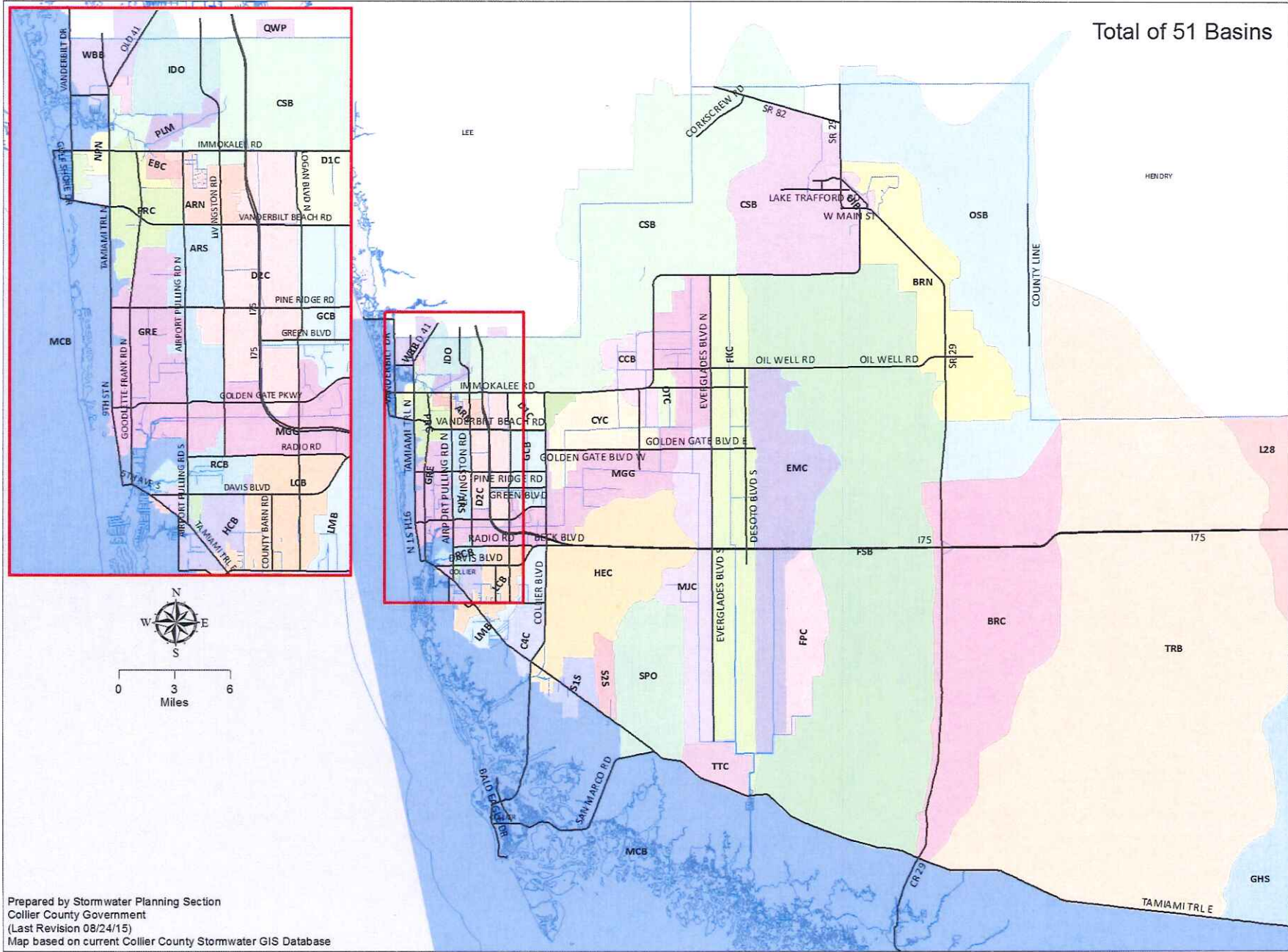
1. Henderson Creek Belle Meade Basin (North of Sabal Palm Rd.)	0.06 cfs/acre
2. Henderson Creek Belle Meade Basin (South of Sabal Palm Road)	0.04 cfs/acre
3. Immokalee Master Plan Area (East of SR 29)	0.05 cfs/acre
4. Immokalee Master Plan Area (West of SR 29)	0.10 cfs/acre
5. CR 951 North Canal Basin	0.11 cfs/acre
6. C4 Basin	0.11 cfs/acre
7. Corkscrew Canal Basin	0.04 cfs/acre
8. Cypress Canal Basin	0.06 cfs/acre
9. Faka Union Canal Basin (North of I-75)	0.09 cfs/acre
10. Gordon River Extension Basin	0.09 cfs/acre
11. I-75 Canal Basin	0.06 cfs/acre
12. Imperial Drainage Outlet Basin	0.12 cfs/acre
13. Lely Manor Canal Basin	0.06 cfs/acre
14. Main Golden Gate Canal Basin	0.04 cfs/acre
15. Palm River Canal Basin	0.13 cfs/acre
16. Pine Ridge Canal Basin	0.13 cfs/acre

**Currently, a feasibility study is being done to analyze potential consequences from implementation of discharge rate restrictions in additional recommended basins.

Collier County Basins Map

Total of 51 Basins

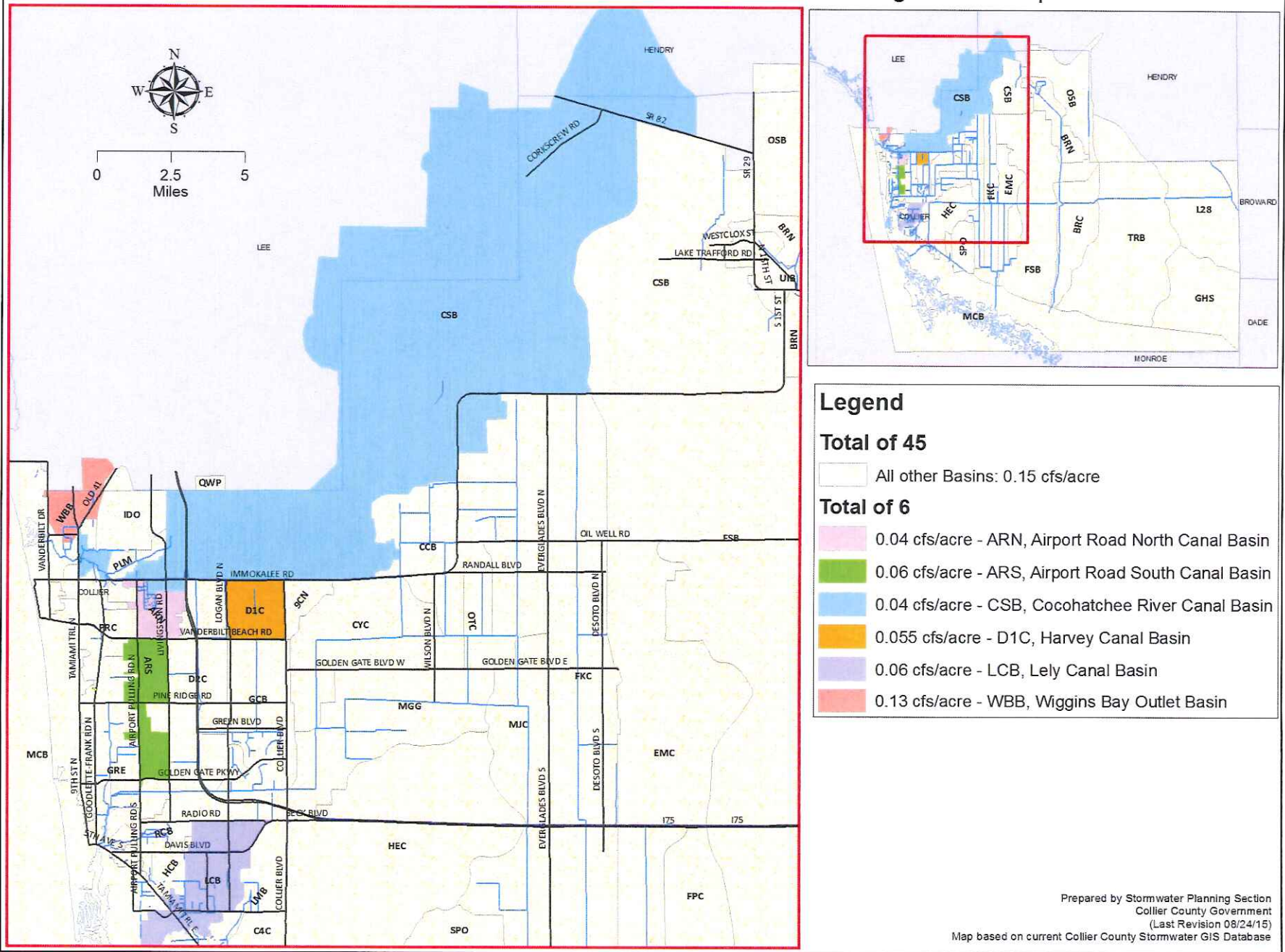
45



Prepared by Stormwater Planning Section
 Collier County Government
 (Last Revision 08/24/15)
 Map based on current Collier County Stormwater GIS Database

Figure 4: Collier County Basins Map

Collier County Basins with Restricted Allowable Discharge Rate Map



Prepared by Stormwater Planning Section
 Collier County Government
 (Last Revision 08/24/15)
 Map based on current Collier County Stormwater GIS Database

Figure 5: Collier County Basins with Restricted Allowable Discharge Rates Map

Table 5: Collier County Basins

	Basin ID	Name	Area (Acres)
1	9CC	951 Canal Central Basin	756
2	9CN	951 Canal North Basin	1,205
3	ARN	Airport Road North Canal Basin **	1,820
4	ARS	Airport Road South Canal Basin **	3,428
5	BRC	Barron River Basin	67,089
6	BRN	Barron River Canal Basin (North)	32,656
7	C4C	C-4 Canal Basin	3,690
8	CCB	Corkscrew Canal Basin	6,564
9	CSB	Corkscrew Slough Basin	29,468
10	CSB	Cocohatchee River Canal Basin **	85,351
11	CYC	Cypress Canal Basin	10,702
12	D1C	Harvey Canal Basin **	2,552
13	D2C	I-75 Canal Basin	10,833
14	EBC	East Branch Cocohatchee	381
15	EMC	Merritt Canal Basin	30,078
16	FKC	Faka-Union Canal Basin	36,185
17	FPC	Prairie Canal Basin	11,122
18	FSB	Fakahatchee Strand Basin	140,757
19	GCB	Green Canal Basin	5,217
20	GHS	Gator Hook Strand Basin	97,924
21	GRE	Gordon River Extension Basin	5,126
22	GTB	Gateway Triangle Basin	284
23	HCB	Haldeman Creek Basin	1,868
24	HEC	Henderson Creek Basin	31,117
25	IDO	Imperial Drainage Outlet Basin	3,227
26	ILB	Imperial West Landmark FPL Basin	256
27	L28	L-28 Tieback Basin	116,952
28	LCB	Lely Canal Basin **	5,990
29	LMB	Lely Manor Canal Basin	5,080
30	MCB	Miscellaneous Coastal Basins	367,613
31	MGG	Main Golden Gate Canal Basin	31,331
32	MJC	Miller Canal Basin	19,071
33	NPN	Naples Park North Basin	418
34	NPS	Naples Park South Basin	349
35	NPW	Naples Park West Basin	279
36	OSB	Okaloacoochee Slough Basin	74,404
37	OTC	Orange Tree Canal Basin	2,065
38	PLM	Palm River Canal Basin	867
39	PRC	Pine Ridge Canal Basin	2,686
40	PSB	Palm Street Basin	74
41	QWP	Quail West Phase II	320
42	RCB	Rock Creek Basin	1,675
43	S1S	US-41 Outfall Swale No.1 Basin	3,684
44	S2S	US-41 Outfall Swale No.2 Basin	2,706
45	SPO	Seminole Park Outlet Basin	18,723
46	TRB	Turner River Canal Basin	245,441
47	TTC	Tamiami Trail Canal Basin	4,668
48	UIB	Urban Immokalee Basin	3,125
49	WBB	Wiggins Bay Outlet Basin **	2,178
50	WBC	West Branch Cocohatchee River Basin	246
51	WPO	Winter Park Outlet Basin	174

** Basin with restricted allowable discharge

COUNTY WATER - SEWER DISTRICT – POTABLE WATER SYSTEM

CONTENTS

- **DISTRICT POTABLE WATER SYSTEM FACILITIES – SUMMARY**
- **INTRODUCTION**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) ASSESSMENT FOR SERVICE AREA**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) FOR SERVICE AREA – CHART**
- **EXISTING AND FUTURE WATER SERVICE AREAS – MAP**
- **POTABLE WATER SYSTEM SCHEDULES OF CAPITAL IMPROVEMENTS**

2015 AUIR FACILITY SUMMARY
POTABLE WATER SYSTEM FACILITIES

Facility Type: Collier County Water-Sewer District – Potable Water System Facilities

Level of Service Standard: 150 gallons per capita day (gpcd) ⁽¹⁾

Capacity:

Constructed On-line Treatment Capacity, FY 16	52.75 MGD
Required Treatment Capacity, FY 16	32.70 MGD
Constructed On-line Treatment Capacity, FY 25	52.75 MGD
Required Treatment Capacity, FY 25	40.60 MGD

Expenditures FY16-FY20 ⁽²⁾

Expansion Related Projects	\$0
Replacement & Rehabilitation (R&R) Projects	\$90,390,000
Departmental Capital	\$4,026,000
Debt Service	\$45,887,000
Reserve for Contingencies - R&R Projects ⁽³⁾	<u>\$9,029,000</u>
TOTAL	\$149,332,000

Existing Revenue Sources FY16-FY20

Water System Development Fees / Impact Fees	\$24,500,000
Water Capital Account	\$4,026,000
Rate Revenue	\$120,806,000
State Revolving Fund Loan	<u>\$0</u>
TOTAL	\$149,332,000

Surplus or (Deficit) for Five Year Program \$0

Recommended Action:

That the BCC find the Collier County Water-Sewer District Potable Water System in compliance with concurrency requirements found in FS Section 163, the Collier County Comprehensive Plan and the Land Development Code; and that it approve the proposed 2015 CCWSD Potable Water System Facilities AUIR and adopt the CIE update for FY 2015/16 - FY 2019/20.

Conclusion: No new treatment plant capacity is planned in the ten-year timeframe based on the Level of Service Standard, population projections and capacity as shown in the AUIR.

⁽¹⁾ Per the 2014 Water, Wastewater, Irrigation Quality Water and Bulk Potable Water Master/CIP Plan (reference Appendix III).

⁽²⁾ CIE consistent with Board approved: FY16 budget; 2014 Rate Study and CIP

⁽³⁾ As per Florida Statutes Section 129.01(c), contingency reserves are up to 10% of expenses.

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

COLLIER COUNTY WATER SEWER DISTRICT - POTABLE WATER SYSTEM

Introduction:

The Public Utilities Department's 2015 AUIR submittals are based on "Collier County Water & Sewer Districts Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2025. There are three notes below, and there is one long-range planning comment.

1. Concurrency is shown for 10 years. This format is consistent with the State mandated CIE, concurrency regulations, and other Collier County Departments' AUIR submittals.
2. The Level of Service Standard (LOSS) was adjusted from 170 gpcd to 150 gpcd in the 2014 Potable Water System AUIR, reflecting the updated historical analysis contained in the 2014 Water, Wastewater, Irrigation Quality Water and Bulk Potable Water Master/CIP Plan (reference Appendix III).
3. The Orange Tree Water Service Area is anticipated to be integrated into the CCWSD in FY2016.
4. Additional plant treatment capacity of 6 MGD will be needed by 2034; siting should be established by 2026 (given the growth patterns, 22 square miles of potential served area has been added to the water service area map).

The 2015 potable water AUIR is presented as a snapshot of concurrency conditions. The CCWSD is in compliance with concurrency requirements for FY 2016 and FY 2017, as required by FS Section 163, the Collier County Comprehensive Plan and the Land Development Code.

Recommendation:

The Public Utilities Department's staff recommends that the Collier County Board of County Commissioners approve the 2015 CCWSD Potable Water System AUIR.

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

July 23, 2015

1	2	3	4	5	6	7	8	9
Fiscal Year	Population Served	Required Treatment Capacity @ 150 gpcd	Required Treatment Capacity Increase from Previous Year	Constructed Plant Capacity On-line	Additional Plant Capacity	Total Available Constructed Capacity	Retained/ (Deficit) Constructed System Capacity	Retained/ (Deficit) Constructed System Capacity Target Values
		MGD	MGD	MGD	MGD	MGD	MGD	MGD
2011	186,925	28.0		52.00		52.00	24.0	0.9 (Min) - 7.6 (Max)
2012	191,834	28.8	0.7	52.00		52.00	23.2	0.9 (Min) - 7.6 (Max)
2013	195,207	29.3	0.5	52.00		52.00	22.7	0.9 (Min) - 7.6 (Max)
2014	199,489	29.9	0.6	52.00		52.00	22.1	0.9 (Min) - 7.6 (Max)
2015	205,057	30.8	0.8	52.00		52.00	21.2	0.9 (Min) - 7.6 (Max)
2016	217,901	32.7	1.9	52.75		52.75	20.1	0.9 (Min) - 7.6 (Max)
2017	223,982	33.6	0.9	52.75		52.75	19.2	0.9 (Min) - 7.6 (Max)
2018	230,178	34.5	0.9	52.75		52.75	18.2	0.9 (Min) - 7.6 (Max)
2019	236,492	35.5	0.9	52.75		52.75	17.3	0.9 (Min) - 7.6 (Max)
2020	242,445	36.4	0.9	52.75		52.75	16.4	0.9 (Min) - 7.6 (Max)
2021	248,021	37.2	0.8	52.75		52.75	15.5	0.9 (Min) - 7.6 (Max)
2022	253,688	38.1	0.8	52.75		52.75	14.7	0.9 (Min) - 7.6 (Max)
2023	259,446	38.9	0.9	52.75		52.75	13.8	0.9 (Min) - 7.6 (Max)
2024	265,299	39.8	0.9	52.75		52.75	13.0	0.9 (Min) - 7.6 (Max)
2025	270,800	40.6	0.8	52.75		52.75	12.1	0.9 (Min) - 7.6 (Max)

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

July 23, 2015

Notes: (References are to the column numbers on previous page)

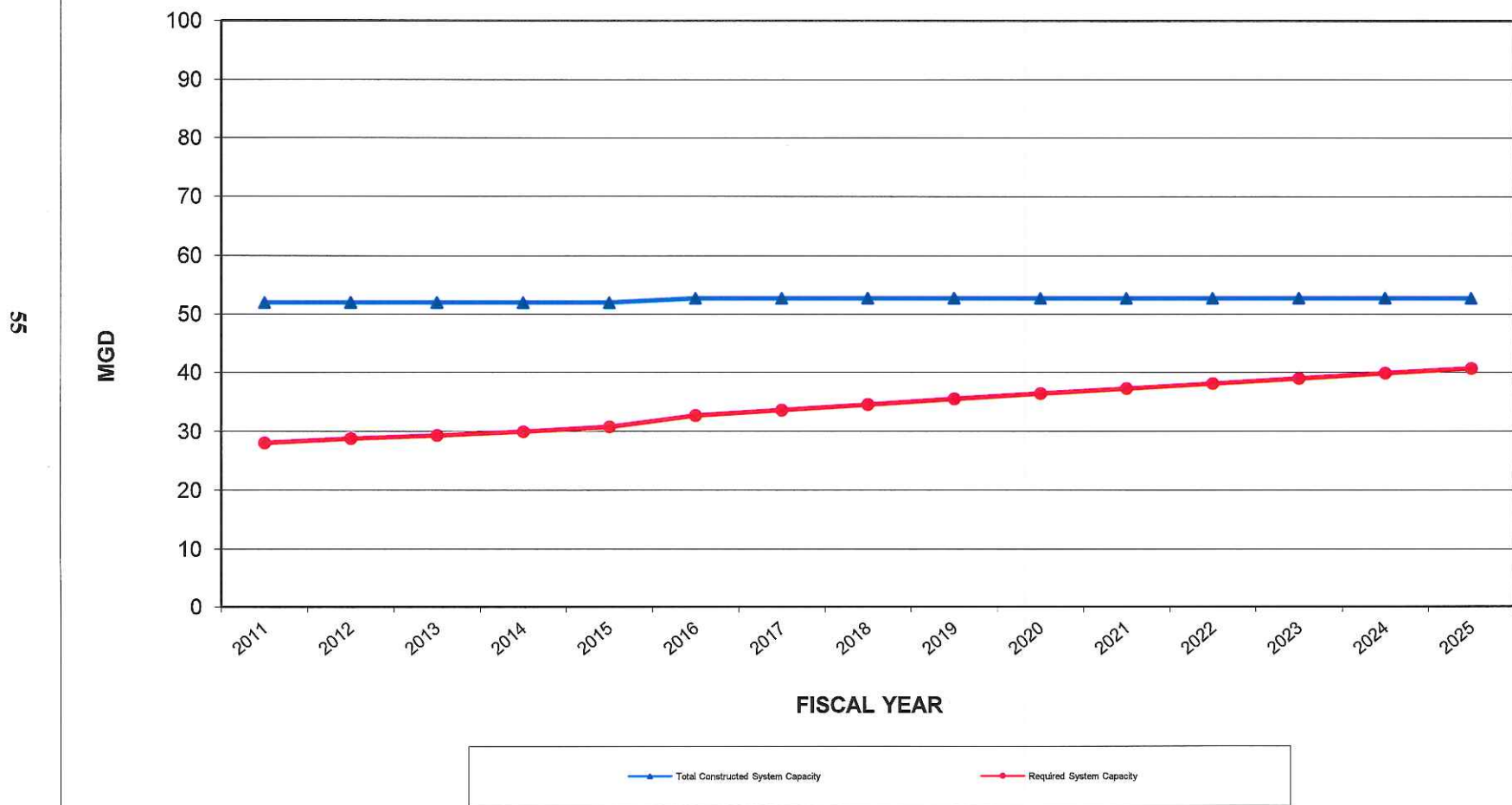
1. Fiscal Year starts October 1 and ends September 30.
2. Population Served. Estimates and projections for the served area are based on "Collier County Water & Sewer Districts Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are based on Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2025. The peak population projections include the Orange Tree service area beginning in FY 2016.
3. Required Treatment Capacity @ 150 gpcd is obtained by multiplying the Peak Population (Column 2) times 150 gallons per capita per day (gpcd). 150 gpcd is the established Level of Service Standard (LOSS) as adopted in the 2014 CCWSD Potable Water System AUIR approved by the Board of County Commissioners on November 18, 2014, based on the draft 2014 Water Master CIP Plan.
4. Required Treatment Capacity Increase from Previous Year is the increase of the Required Treatment Capacity @ 150 gpcd (Column 3) for the year listed from the previous year.
5. 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). Capacity in FY2016 is increased by 0.75 mgd when Orange Tree Utilities is anticipated to be integrated into the CCWSD.
6. Additional Plant Capacity Plan:

Fiscal Year	New Plant Capacity	Source of Information
NA	0	No new plant capacity is planned through 2025 based on concurrency analysis.

7. Total Available Constructed Capacity is total of Total Constructed Plant Capacity On-line (Column 5) plus Additional Plant Capacity (Column 6).
8. Retained/(Deficit) Constructed System Capacity is the difference between Total Constructed Plant Capacity (Column 7) and Required Treatment Capacity (Column 3).
9. Retained/(Deficit) Constructed System Capacity Target Values for planning purposes are 0.9 MGD minimum and 7.6 MGD maximum 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 the next eight years.

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)
POTABLE WATER SYSTEM
Level of Service Standard: 150 gpcd

July 23, 2015



Existing and Future Water Service Areas 2015 Water AUIR

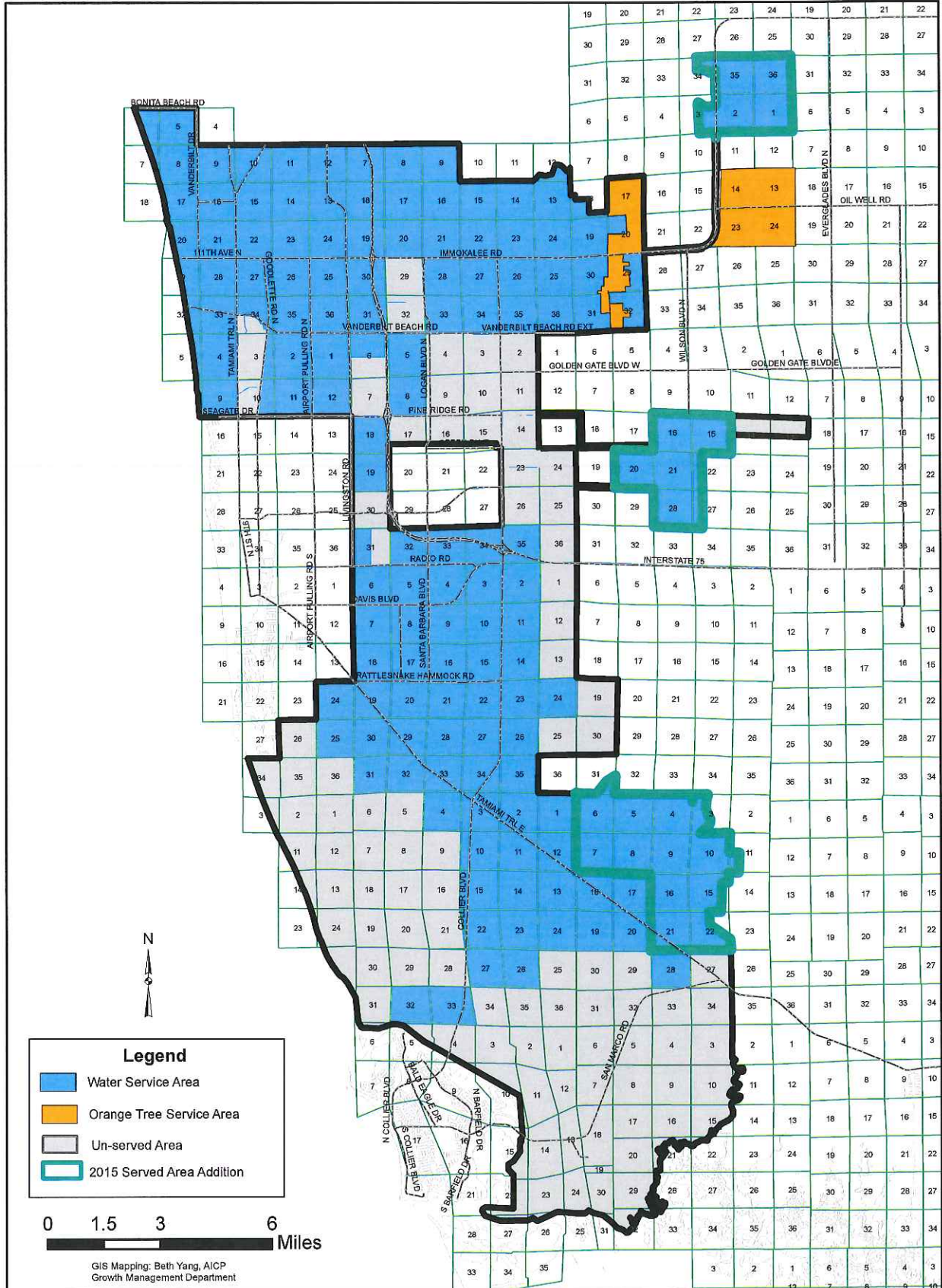


EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

POTABLE WATER SYSTEM PROJECTS								
		CONSTRUCTION	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
CIE #	PROJECT	SCHEDULE NOTES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
	Debt Service		\$9,512,000	\$9,315,000	\$9,316,000	\$8,872,000	\$8,872,000	\$45,887,000
	Expansion Related Projects - Other		\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects - Other		\$17,275,000	\$17,195,000	\$15,915,000	\$17,995,000	\$22,010,000	\$90,390,000
	Departmental Capital		\$1,814,000	\$560,000	\$538,000	\$537,000	\$577,000	\$4,026,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$1,717,500	\$1,719,500	\$1,591,500	\$1,799,500	\$2,201,000	\$9,029,000
	POTABLE WATER SYSTEM PROJECT TOTALS		\$30,318,500	\$28,789,500	\$27,360,500	\$29,203,500	\$33,660,000	\$149,332,000

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
WIF - Water System Development Fees / Impact Fees	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$24,500,000
RR - Reserve Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
B1 - Bonds	\$0	\$0	\$0	\$0	\$0	\$0
LOC - Commercial Paper	\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans	\$0	\$0	\$0	\$0	\$0	\$0
WCA - Water Capital Account	\$1,814,000	\$560,000	\$538,000	\$537,000	\$577,000	\$4,026,000
REV - Rate Revenue	\$23,604,500	\$23,329,500	\$21,922,500	\$23,766,500	\$28,183,000	\$120,806,000
REVENUE TOTAL	\$30,318,500	\$28,789,500	\$27,360,500	\$29,203,500	\$33,660,000	\$149,332,000

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NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system.

DATA SOURCES:

- Expansion Related and Replacement & Rehabilitation Projects: FY 2016 is obtained from the 2016 Proposed Budget.
- Department Capital: FY 2016 is obtained from the 2016 Proposed Budget, split 50/50 between Water and Wastewater. FY 2017 to FY 2019 is obtained from the 2014 User Rate Study and FY 2020 is a 2% increase over FY 2019 (pursuant to CPI adjustments per Board policy).
- Debt Service: FY 2016 - FY 2020 are obtained from the Collier County Water and Sewer District Financial Statements and Other Reports, Summary of Debt Service requirements to maturity. Total Debt Service amount is split 50/50 between Water and Wastewater.
- Reserve for Contingencies - Replacement and Rehabilitation Projects: As per Florida Statutes, reserve for contingencies are up to 10% of expenses.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021-2025**

POTABLE WATER PROJECTS								
		CONSTRUCTION	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
CIE #	PROJECT	SCHEDULE NOTES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
	Expansion Related Projects - Generally		\$0	\$0	\$0	\$0		\$0
	Replacement & Rehabilitation Projects - Generally		\$21,890,000	\$16,880,000	\$19,515,000	\$20,440,000	\$15,775,000	\$94,500,000
	Debt Service		\$8,872,000	\$8,303,000	\$5,893,000	\$5,893,000	\$5,499,000	\$34,460,000
	Departmental Capital		\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$2,189,000	\$1,688,000	\$1,951,500	\$2,044,000	\$1,577,500	\$9,450,000
	POTABLE WATER PROJECT TOTALS		\$33,540,000	\$27,472,000	\$27,972,500	\$29,002,000	\$23,489,500	\$141,476,000

REVENUE KEY - REVENUE SOURCE	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
REV - Rate Revenue	\$28,051,000	\$21,971,000	\$22,459,500	\$23,477,000	\$17,951,500	\$113,910,000
RR - Operating Reserve Revenues	\$0	\$0	\$0	\$0	\$0	\$0
WCA - Water Capital Account	\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
WIF - Water System Development Fees	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$24,500,000
REVENUE TOTAL	\$33,540,000	\$27,472,000	\$27,972,500	\$29,002,000	\$23,489,500	\$141,476,000

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system.

COUNTY WATER - SEWER DISTRICT – WASTEWATER TREATMENT SYSTEMS

CONTENTS

- **DISTRICT WASTEWATER TREATMENT SYSTEM FACILITIES – SUMMARY**
- **INTRODUCTION**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) ASSESSMENT FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA, CHART & TABLE**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) ASSESSMENT FOR NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA, CHART & TABLE**
- **EXISTING AND FUTURE WASTEWATER SERVICE AREA MAP**
- **WASTEWATER TREATMENT SYSTEM SCHEDULES OF CAPITAL IMPROVEMENTS**

2015 AUIR FACILITY SUMMARY
WASTEWATER TREATMENT SYSTEM FACILITIES

Facility Type: Collier County Water-Sewer District – Wastewater Treatment System

Level of Service Standard: 100 gallons per capita day (gpcd) ⁽¹⁾

Capacity: South Service Area (SCWRF)

Constructed On-line Treatment Capacity, FY 16	16.0 MGD
Required Treatment Capacity, FY 16	11.3 MGD
Constructed On-line Treatment Capacity, FY 25	16.0 MGD
Required Treatment Capacity, FY 25	14.3 MGD

Capacity: North Service Area (NCWRF)

Constructed On-line Treatment Capacity, FY 16	24.7 MGD
Required Treatment Capacity, FY 16	12.6 MGD
Constructed On-line Treatment Capacity, FY 25	24.7 MGD
Required Treatment Capacity, FY 25	15.0 MGD

Expenditures FY16-FY20 ⁽²⁾

Expansion Related Projects	\$0
Replacement & Rehabilitation (R&R) Projects	\$210,559,000
Departmental Capital	\$4,173,000
Debt Service	\$45,887,000
Reserve for Contingencies - R&R Projects ⁽³⁾	<u>\$20,706,400</u>
TOTAL	\$281,325,400

Existing Revenue Sources FY16-FY20

Wastewater System Development Fees / Impact Fees	\$22,500,000
Water Capital Account	\$4,173,000
Rate Revenue	\$225,936,400
State Revolving Fund Loans	<u>\$28,716,000</u>
TOTAL	\$281,325,400

Surplus or (Deficit) for Five Year Program \$0

Recommended Action:

That the BCC find the Collier County Water-Sewer District Wastewater Treatment System in compliance with concurrency requirements found in FS Section 163, the Collier County Comprehensive Plan and the Land Development Code; and that it approve the proposed 2015 CCWSD Wastewater Treatment Facilities AUIR and adopt the CIE Update for FY2015/16 - FY 2019/20.

Conclusion: No new treatment plant capacity is planned in the ten-year timeframe based on the Level of Service Standard, population projections and capacity as shown in the AUIR.

⁽¹⁾ Per the 2014 Water, Wastewater, Irrigation Quality Water and Bulk Potable Water Master/CIP Plan (reference Appendix III).
⁽²⁾ CIE consistent with Board approved: FY16 budget; 2014 Rate Study and CIP
⁽³⁾ As per Florida Statutes Section 129.01(c), contingency reserves are up to 10% of expenses

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

COLLIER COUNTY WATER SEWER DISTRICT - WASTEWATER SYSTEM

Introduction:

The Public Utilities Department's 2015 AUIR submittals are based on the "Collier County Water & Sewer District's Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2025. There are three notes below, and there is one long-range planning comment.

1. Concurrency is shown for 10 years. This format is consistent with the State mandated CIE, concurrency regulations, and other Collier County Departments' AUIR submittals.
2. The Level of Service Standard (LOSS) was adjusted from 120 gpcd to 100 gpcd in the North County Service Area in the 2014 Wastewater System AUIR, reflecting the updated historical analysis contained in the 2014 Water, Wastewater, Irrigation Quality Water and Bulk Potable Water Master/CIP Plan (reference Appendix III).
3. The Orange Tree Wastewater Service Area is anticipated to be integrated into the CCWSD in FY2016.
4. Additional plant treatment capacity of 2 MGD will be needed by 2030; siting should be established by 2022 (given the growth patterns, 22 square miles of potential served area has been added to the wastewater service area map).

The 2015 Wastewater AUIR is presented as a snapshot of concurrency conditions. The CCWSD is in compliance with concurrency requirements for FY 2016 and FY 2017, as required by FS Section 163, the Collier County Comprehensive Plan and the Land Development Code.

Recommendation:

The Public Utilities Department's staff recommends that the Collier County Board of County Commissioners approve the 2015 CCWSD Wastewater System AUIR.

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA**

July 23, 2015

1	2	3	4	5	6	7	8	9
Fiscal Year	Population Served	Required Capacity at 100 gpcd MGD	Required Capacity increase from previous year MGD	Constructed Capacity On-line MGD	New Plant Capacity MGD	Total Available Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity Target Value MGD
2011	100,401	10.0		16.0		16.0	6.0	0.3 (Min) - 2.6 (Max)
2012	102,588	10.3	0.2	16.0		16.0	5.7	0.3 (Min) - 2.6 (Max)
2013	104,137	10.4	0.2	16.0		16.0	5.6	0.3 (Min) - 2.6 (Max)
2014	106,494	10.6	0.2	16.0		16.0	5.4	0.3 (Min) - 2.6 (Max)
2015	109,831	11.0	0.3	16.0		16.0	5.0	0.3 (Min) - 2.6 (Max)
2016	113,179	11.3	0.3	16.0		16.0	4.7	0.3 (Min) - 2.6 (Max)
2017	116,592	11.7	0.3	16.0		16.0	4.3	0.3 (Min) - 2.6 (Max)
2018	120,069	12.0	0.3	16.0		16.0	4.0	0.3 (Min) - 2.6 (Max)
2019	123,612	12.4	0.4	16.0		16.0	3.6	0.3 (Min) - 2.6 (Max)
2020	126,952	12.7	0.3	16.0		16.0	3.3	0.3 (Min) - 2.6 (Max)
2021	130,081	13.0	0.3	16.0		16.0	3.0	0.3 (Min) - 2.6 (Max)
2022	133,260	13.3	0.3	16.0		16.0	2.7	0.3 (Min) - 2.6 (Max)
2023	136,492	13.6	0.3	16.0		16.0	2.4	0.3 (Min) - 2.6 (Max)
2024	139,776	14.0	0.3	16.0		16.0	2.0	0.3 (Min) - 2.6 (Max)
2025	142,862	14.3	0.3	16.0		16.0	1.7	0.3 (Min) - 2.6 (Max)

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA**

July 23, 2015

Notes: (References are to the column numbers on previous page)

1. Fiscal Year starts October 1 and ends September 30.
2. Population Served. Estimates and projections for the served area are based on the "Collier County Water & Sewer District's Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2025.
3. Required Capacity at 100 gpcd is obtained by multiplying the Peak Population (Column 2) times 100 gallons per capita per day (gpcd). 100 gpcd is the established Level of Service Standard (LOSS) for the South Service Area as adopted in the 2014 CCWSD Wastewater System AUIR approved by the Board of County Commissioners on November 18, 2014, based on the draft 2014 Wastewater Master CIP Plan.
4. Required Capacity increase from previous year is the increase between the Required Capacity at 100 gpcd (Column 3) for the year listed and the previous year.
5. Constructed Capacity On-line is the plant capacity at the beginning of the fiscal year in Million Gallons per Day (MGD).
6. Additional Plant Capacity Plan:

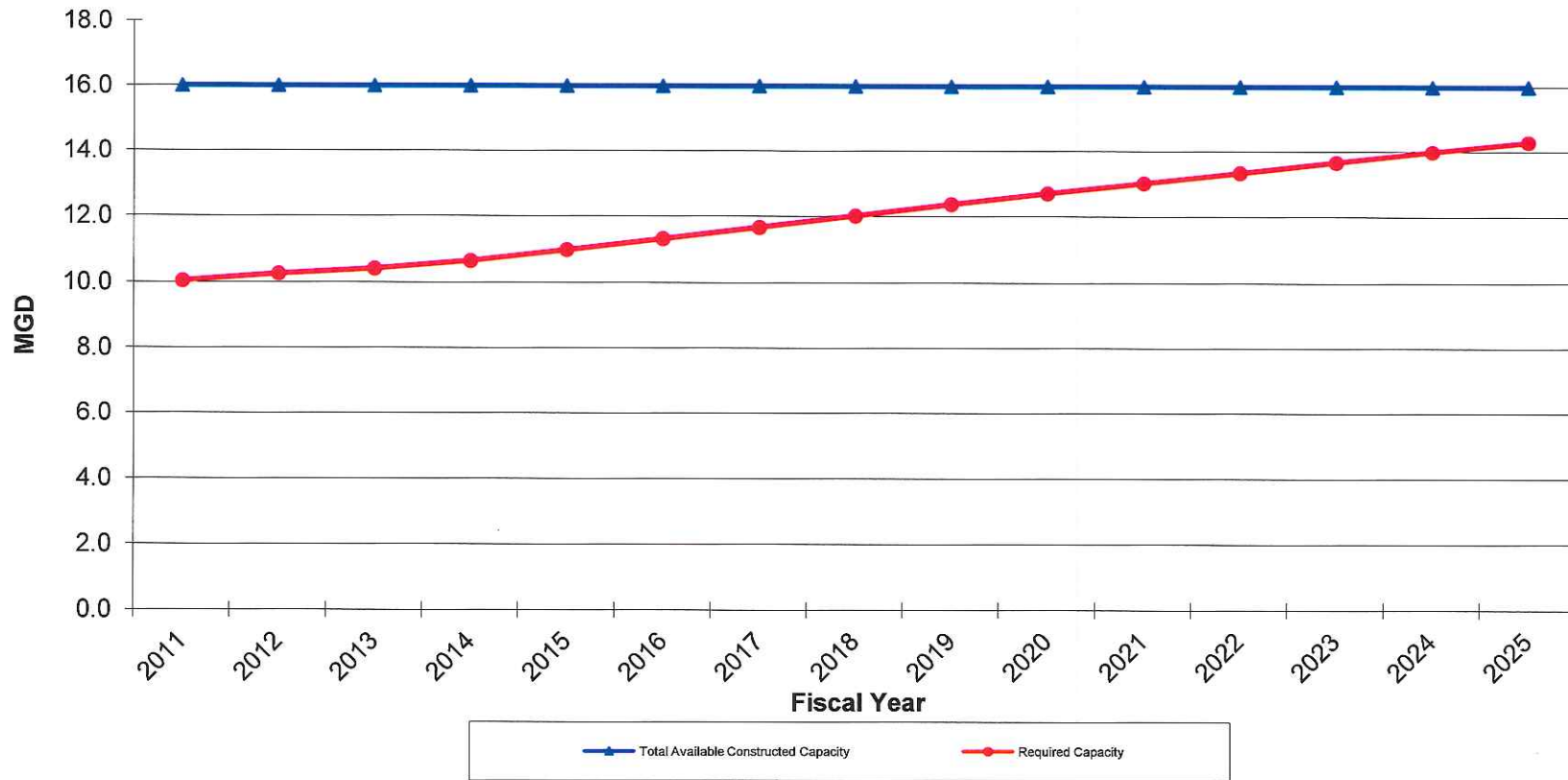
Fiscal Year	New Plant Capacity	Source of Information
NA	0	No new plant capacity is planned through 2025 based on concurrency analysis.

7. Total Available Constructed Capacity in MGD, also represented graphically on page WW-4.
8. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 7) and Required Capacity (Column 3).
9. Retained/(Deficit) Constructed Capacity Target Value for planning purposes is 0.3 MGD minimum through 2025. The target minimum capacities represent the projected increase in the next year's wastewater flow (Column 4). The SCWRF does not have a target maximum capacity due to no space for expansion.

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)
Wastewater- South County Water Reclamation Facility (SCWRF)
Level of Service Standard: 100 gpcd

July 23, 2015

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Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA**

July 23, 2015

1	2	3	4	5	6	7	8	9
Fiscal Year	Population Served	Required Capacity at 100 gpcd MGD	Required Capacity increase from previous year MGD	Constructed Capacity On-line MGD	New Plant Capacity MGD	Total Available Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity Target Values MGD
2011	113,078	11.3		24.1		24.1	12.8	0.4 (Min) - 3.1 (Max)
2012	115,859	11.6	0.3	24.1		24.1	12.5	0.4 (Min) - 3.1 (Max)
2013	117,752	11.8	0.2	24.1		24.1	12.3	0.4 (Min) - 3.1 (Max)
2014	119,759	12.0	0.2	24.1		24.1	12.1	0.4 (Min) - 3.1 (Max)
2015	122,080	12.2	0.2	24.1		24.1	11.9	0.4 (Min) - 3.1 (Max)
2016	131,665	13.2	1.0	24.7		24.7	11.5	0.4 (Min) - 3.1 (Max)
2017	134,426	13.4	0.3	24.7		24.7	11.3	0.4 (Min) - 3.1 (Max)
2018	137,240	13.7	0.3	24.7		24.7	11.0	0.4 (Min) - 3.1 (Max)
2019	140,106	14.0	0.3	24.7		24.7	10.7	0.4 (Min) - 3.1 (Max)
2020	142,809	14.3	0.3	24.7		24.7	10.4	0.4 (Min) - 3.1 (Max)
2021	145,341	14.5	0.3	24.7		24.7	10.2	0.4 (Min) - 3.1 (Max)
2022	147,913	14.8	0.3	24.7		24.7	9.9	0.4 (Min) - 3.1 (Max)
2023	150,528	15.1	0.3	24.7		24.7	9.6	0.4 (Min) - 3.1 (Max)
2024	153,185	15.3	0.3	24.7		24.7	9.4	0.4 (Min) - 3.1 (Max)
2025	155,683	15.6	0.2	24.7		24.7	9.1	0.4 (Min) - 3.1 (Max)

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA**

July 23, 2015

Notes: (References are to the column numbers on previous page)

1. Fiscal Year starts October 1 and ends September 30.
2. Population Served. Estimates and projections for the served area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2025.
3. Required Capacity at 100 gpcd is obtained by multiplying the Peak Population (Column 2) times 100 gallons per capita per day (gpcd). 100 gpcd is the established Level of Service Standard (LOSS) for the North Service Area as adopted in the 2014 CCWSD Wastewater System AUIR approved by the Board of County Commissioners on November 18, 2014, based on the draft 2014 Wastewater Master CIP Plan.
4. Required Capacity increase from previous year is the increase between the Required Capacity at 100 gpcd (Column 3) for the year listed and the previous year.
5. Constructed Capacity On-line is the plant capacity at the beginning of the fiscal year in Million Gallons per Day (MGD). Capacity in FY2016 is increased by 0.6 MGD when Orange Tree Utilities is anticipated to be integrated into CCWSD.
6. Additional Plant Capacity Plan:

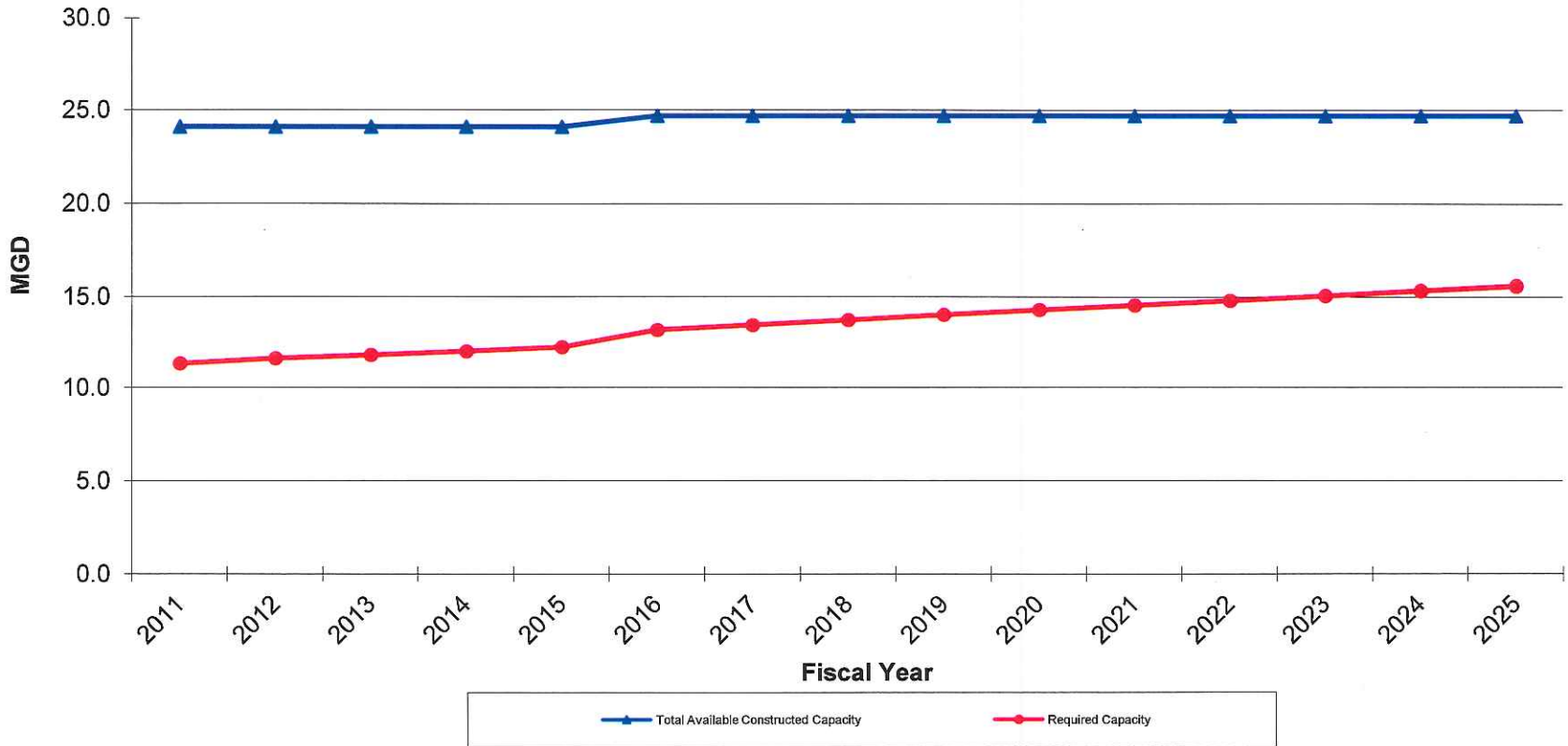
Fiscal Year	New Plant Capacity	Source of Information
NA	0	No new plant capacity is planned through 2025 based on concurrency analysis.

7. Total Available Constructed Capacity in MGD, also represented graphically on WW-7 (Column 5 + Column 6).
8. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 7) and Required Capacity (Column 3).
9. Retained/(Deficit) Constructed Capacity Target Values for planning purposes are 0.4 MGD minimum and 3.1 MGD maximum through FY 2025. The target minimum capacities represent the projected increase in the next year's wastewater flow (Column 4) and the target maximum capacities represent the projected increase in wastewater flow for the next eight years.

Collier County Government
Public Utilities Department
2015 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)
Wastewater- North County Water Reclamation Facility (NCWRF)
Level of Service Standard: 100 gpcd

July 23, 2015

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Existing and Future Wastewater Service Areas 2015 Wastewater AUIR

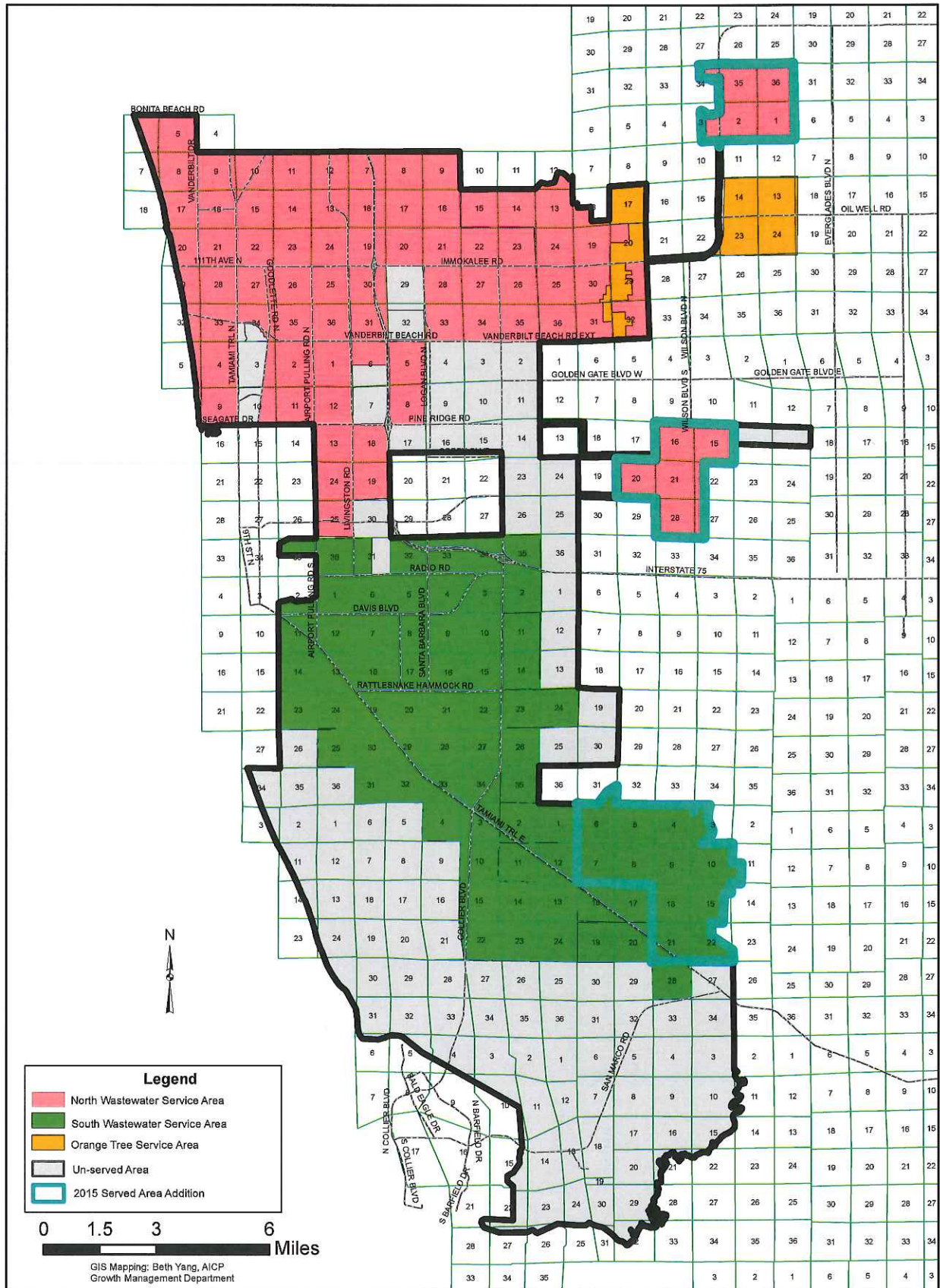


EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

WASTEWATER TREATMENT SYSTEM PROJECTS								
CIE #	PROJECT	CONSTRUCTION SCHEDULE NOTES	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
	Debt Service		\$9,512,000	\$9,315,000	\$9,316,000	\$8,872,000	\$8,872,000	\$45,887,000
	Expansion Related Projects - Other		\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects - Other		\$29,205,000	\$36,246,000	\$32,490,000	\$33,946,000	\$78,872,000	\$210,559,000
	Departmental Capital		\$1,814,000	\$595,000	\$593,000	\$594,000	\$577,000	\$4,173,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$2,571,000	\$3,624,600	\$3,249,000	\$3,394,600	\$7,867,200	\$20,706,400
	WASTEWATER TREATMENT SYSTEM PROJECT TOTALS		\$43,102,000	\$49,780,600	\$45,648,000	\$46,806,600	\$95,988,200	\$281,325,400

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
SIF - Wastewater System Development Fees / Impact Fees	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$22,500,000
RR - Reserve Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
B1 - Bonds	\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans	\$0	\$0	\$0	\$0	\$28,716,000	\$28,716,000
LOC - Commercial Paper	\$0	\$0	\$0	\$0	\$0	\$0
SCA - Wastewater Capital Account - Transfers	\$1,814,000	\$595,000	\$593,000	\$594,000	\$577,000	\$4,173,000
REV - Rate Revenue	\$36,788,000	\$44,685,600	\$40,555,000	\$41,712,600	\$62,195,200	\$225,936,400
REVENUE TOTAL	\$43,102,000	\$49,780,600	\$45,648,000	\$46,806,600	\$95,988,200	\$281,325,400

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system. Revenue sources are estimates only; both the mix of sources and amounts will change when a rate study is conducted.

DATA SOURCES:

- Expansion Related and Replacement & Rehabilitation Projects: FY 2016 is obtained from the 2016 Proposed Budget.
- Department Capital: FY 2016 is obtained from the 2016 Proposed Budget, split 50/50 between Water and Wastewater. FY 2017 to FY 2019 is obtained from the 2014 User Rate Study and FY 2020 is a 2% increase over FY 2019 (pursuant to CPI adjustments per Board policy).
- Debt Service: FY 2016 - FY 2020 are obtained from the Collier County Water and Sewer District Financial Statements and Other Reports, Summary of Debt Service requirements to maturity. Total Debt Service amount is split 50/50 between Water and Wastewater.
- Reserve for Contingencies - Replacement and Rehabilitation Projects: As per Florida Statutes Section 129.01(c), reserve for contingencies are up to 10% of expenses.

APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021 - 2025

WASTEWATER PROJECTS								
		CONSTRUCTION	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
CIE #	PROJECT	SCHEDULE NOTES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
	Expansion Related Projects - Other		\$4,251,700	\$4,676,900	\$5,144,600	\$5,659,100	\$6,225,010	\$25,957,310
	Replacement & Rehabilitation Projects - Other		\$67,449,000	\$56,971,000	\$62,355,000	\$65,313,000	\$70,830,000	\$322,918,000
	Departmental Capital		\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
	Debt Service		\$8,872,000	\$10,963,000	\$8,553,000	\$8,553,000	\$8,159,000	\$45,100,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$6,744,900	\$5,697,100	\$6,235,500	\$6,531,300	\$7,083,000	\$32,291,800
	SEWER - WASTEWATER PROJECT TQ		\$87,906,600	\$78,909,000	\$82,901,100	\$86,681,400	\$92,935,010	\$429,333,110

REVENUE KEY - REVENUE SOURCE	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
REV - Rate Revenue	\$70,319,600	\$73,808,000	\$77,788,100	\$81,556,400	\$87,797,010	\$391,269,110
RR - Operating Reserve Revenues	\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans	\$12,498,000					\$12,498,000
SCA - Wastewater Capital Account - Transfers	\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
SIF - Wastewater System Development Fees / Impact Fees	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$22,500,000
REVENUE TOTAL	\$87,906,600	\$78,909,000	\$82,901,100	\$86,681,400	\$92,935,010	\$429,333,110

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are

SOLID WASTE DISPOSAL FACILITIES

CONTENTS

- **SOLID WASTE DISPOSAL FACILITIES – SUMMARY**
- **INTRODUCTION**
- **TABLE 1 – COLLIER COUNTY LANDFILL DISPOSAL CAPACITY LEVEL OF SERVICE STANDARD: TEN YEARS OF PERMITTED LANDFILL CAPACITY AT PREVIOUS THREE YEARS AVERAGE TONS PER CAPITA DISPOSAL RATE, INC. NOTES**
- **CHART 1 – TEN YEARS OF PERMITTED LANDFILL CAPACITY**
- **TABLE 2 – COLLIER COUNTY LANDFILL DISPOSAL CAPACITY LEVEL OF SERVICE STANDARD: TWO YEARS OF LINED CELL CAPACITY AT PREVIOUS THREE YEARS AVERAGE TONS PER CAPITAL DISPOSAL RATE, INC. NOTES**
- **CHART 2 – TWO YEARS OF LINED CELL CAPACITY**
- **SOLID WASTE DISPOSAL FACILITIES SCHEDULES OF CAPITAL IMPROVEMENTS**

2015 AUIR SUMMARY
SOLID WASTE DISPOSAL FACILITIES

Facility Type: Solid Waste Disposal Facilities

Level of Service Standard: 10 years of permitted landfill capacity and 2 years of lined cell capacity at previous 3 years average tons per capita disposal rate

Capacity:

Total Permitted Landfill Capacity Remaining, 2015	17,256,000 Tons
Required Permitted Landfill Capacity, 2015	2,389,183 Tons
Total Lined Cell Capacity Remaining, 2015	1,780,277 Tons
Required Lined Cell Capacity, 2015	445,715 Tons
Estimated Life of landfill	54 Years

The Collier County Landfill is financed and operated under a design/build/operate Landfill Operating Agreement (LOA) with Waste Management Inc. of Florida (WWIF). All capital revenue and expenses incurred, including new cell construction, are paid through tipping fees paid to WWIF.

Under the LOA:

- No debt is carried by Collier County
- Design/build/operate provisions ensure proper cell capacity
- Landfill cells vary by size and disposal capacity

Recommended Action:

That the BCC find the Collier County Landfill Disposal Capacity in compliance with concurrency requirements found in FS Section 163, the Collier County Comprehensive Plan and the Land Development Code; that it continue its support of the Integrated Solid Waste Management Strategy initiatives to increase recycling to reach the 75% state goal; and that it approve the 2015 Solid Waste Disposal Facilities AUIR and CIE.

Note: The Solid and Hazardous Waste Management Division reached a milestone in 2014, achieving a 61% recycling rate as reported by FDEP.

Collier County Government
Public Utilities Department
2015 Annual Update and Inventory Report (AUIR)

COLLIER COUNTY LANDFILL DISPOSAL CAPACITY

Introduction:

The Public Utilities Department's 2015 AUIR submittals are based on "Collier County Peak Season Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are derived from data obtained from: The 2010 Census; Bureau of Economic and Business Research (BEBR) population bulletins; Collier County Comprehensive Planning staff; and, Planning staff from the Cities of Naples and Marco Island. FY 2035 - FY 2070 projected populations are based on average annual percentage increases for FY 2032 - FY 2034 (1.18%). There are two notable observations from the 2015 Collier County Landfill Disposal Capacity AUIR; the third and fourth items are long range planning comments:

1. The 2015 Solid Waste AUIR projects that the Collier County Landfill will have zero capacity remaining in FY 2069 for the second year as reported in the 2014 Solid Waste AUIR. This represents 54 years of projected capacity.
2. The projected Tons Per Capita Disposal Rate in the 2015 Solid Waste AUIR for 2016 forward is 0.52, which is the same as the projected Tons Per Capita Disposal Rate in the 2014 Solid Waste AUIR.
3. Based on an estimate of 10 years for all federal, state and local permitting, site selection for a new landfill should be completed by 2049, to allow for permitting by 2059, preserving ten years of permitted landfill capacity in advance of 2069.
4. In FY2015, the Board of County Commissioners purchased 305 acres adjacent to the Collier County Landfill to provide sustainable renewable solid waste treatment and renewable energy planning capacity beyond 100 years.

The 2015 Solid Waste AUIR is presented as a snapshot of concurrency conditions. The Collier County Solid and Hazardous Waste Management Division is in compliance with concurrency requirements for FY 2016 and FY 2017, as required by FS Section 163, the Collier County Comprehensive Plan and the Land Development Code.

Recommendations:

The Solid and Hazardous Waste Management Division reached a milestone, achieving a recycling rate of 61% in 2014, as reported by FDEP. In addition, Collier County has ranked 3rd in traditional recycling in comparison to other Florida Counties. The Public Utilities Department's staff recommends that the Collier County Board of County Commissioners approve the 2015 Collier County Landfill Disposal Capacity AUIR and continue to support the Integrated Solid Waste Management Strategy initiatives to increase recycling to reach the 75% State goal, and to divert recyclables and hazardous waste from the Collier County Landfill. The 305 acres adjacent to the Collier County Landfill will provide a sustainable platform towards future disposal treatment and capacity for renewable energy that will extend the life of the landfill for an additional 100 plus years.

Collier County Government
Public Utilities Department
2015 Annual Update and Inventory Report (AUIR)

**Table 1: Collier County Landfill Disposal Capacity
Level of Service Standard: Ten Years of Permitted Landfill Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2015

1	2	3	4	5	6	7
Fiscal Year	Peak Population	Tons Per Capita Disposal Rate	Annual Tons Disposed	Total Landfill Capacity Balance (tons)	Next Ten Years Landfill Capacity Requirement (tons)	Ten Year Permitted Landfill Capacity Surplus or Deficiency (tons)
2000	309,511	1.23	381,499	4,537,914	2,851,851	1,686,063
2001	325,159	1.32	430,511	4,107,403	2,623,566	1,483,837
2002	341,954	1.07	366,547	3,740,856	2,460,204	1,280,652
2003	359,191	0.80	288,409	5,820,359	2,381,106	3,439,253
2004	374,384	0.78	291,903	9,130,976	2,307,141	6,823,835
2005	386,668	0.71	274,777	9,695,124	2,271,714	7,423,410
2006	396,310	0.70	278,384	9,920,278	2,214,147	7,706,131
2007	400,027	0.64	254,889	9,594,647	2,184,156	7,410,491
2008	399,532	0.61	241,816	9,282,412	2,171,393	7,111,020
2009	399,979	0.54	215,338	9,067,074	2,189,340	6,877,735
2010	387,183	0.54	209,277	8,857,797	2,217,351	6,640,446
2011	392,180	0.52	202,226	8,655,571	2,256,178	6,399,393
2012	398,107	0.51	203,185	18,566,434	2,297,871	16,268,563
2013	402,268	0.52	209,311	18,524,000	2,337,324	16,186,676
2014	407,990	0.53	217,938	18,186,000	2,372,097	15,813,903
2015	415,645	0.52	239,350	17,946,650	2,389,183	15,557,467
2016	423,325	0.52	220,817	17,725,833	2,428,297	15,297,536
2017	431,146	0.52	224,897	17,500,935	2,466,875	15,034,061
2018	439,113	0.52	229,053	17,271,882	2,504,888	14,766,994
2019	447,226	0.52	233,285	17,038,597	2,542,310	14,496,287
2020	454,901	0.52	237,288	16,801,309	2,579,170	14,222,139
2021	462,118	0.52	241,053	16,560,256	2,615,498	13,944,757
2022	469,451	0.52	244,878	16,315,377	2,651,275	13,664,102
2023	476,900	0.52	248,764	16,066,614	2,686,478	13,380,136
2024	484,467	0.52	252,711	15,813,903	2,721,084	13,092,819
2025	491,608	0.52	256,436	15,557,467	2,755,355	12,802,112
2026	498,310	0.52	259,932	15,297,536	2,789,560	12,507,975
2027	505,103	0.52	263,475	15,034,061	2,823,693	12,210,368
2028	511,988	0.52	267,067	14,766,994	2,857,745	11,909,249
2029	518,967	0.52	270,707	14,496,287	2,891,710	11,604,577
2030	525,562	0.52	274,147	14,222,139	2,925,829	11,296,310
2031	531,763	0.52	277,382	13,944,757	2,960,351	10,984,406
2032	538,038	0.52	280,655	13,664,102	2,995,280	10,668,822
2033	544,386	0.52	283,966	13,380,136	3,030,622	10,349,515
2034	550,809	0.52	287,317	13,092,819	3,066,380	10,026,439
2035	557,308	0.52	290,707	12,802,112	3,102,560	9,699,552
2036	563,884	0.52	294,137	12,507,975	3,139,167	9,368,808
2037	570,537	0.52	297,608	12,210,368	3,176,206	9,034,162
2038	577,269	0.52	301,119	11,909,249	3,213,682	8,695,567
2039	584,080	0.52	304,672	11,604,577	3,251,601	8,352,976
2040	590,972	0.52	308,267	11,296,310	3,289,966	8,006,344
2041	597,945	0.52	311,904	10,984,406	3,328,785	7,655,622
2042	605,000	0.52	315,584	10,668,822	3,368,061	7,300,761
2043	612,138	0.52	319,308	10,349,515	3,407,801	6,941,714
2044	619,361	0.52	323,075	10,026,439	3,448,009	6,578,430
2045	626,669	0.52	326,887	9,699,552	3,488,692	6,210,860
2046	634,063	0.52	330,744	9,368,808	3,529,855	5,838,953

Collier County Government
Public Utilities Department
2015 Annual Update and Inventory Report (AUIR)

**Table 1: Collier County Landfill Disposal Capacity
Level of Service Standard: Ten Years of Permitted Landfill Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2015

1	2	3	4	5	6	7
Fiscal Year	Peak Population	Tons Per Capita Disposal Rate	Annual Tons Disposed	Total Landfill Capacity Balance (tons)	Next Ten Years Landfill Capacity Requirement (tons)	Ten Year Permitted Landfill Capacity Surplus or Deficiency (tons)
2047	641,544	0.52	334,647	9,034,162	3,571,504	5,462,657
2048	649,114	0.52	338,595	8,695,567	3,613,644	5,081,922
2049	656,773	0.52	342,590	8,352,976	3,656,282	4,696,695
2050	664,522	0.52	346,632	8,006,344	3,699,422	4,306,922
2051	672,363	0.52	350,722	7,655,622	3,743,072	3,912,550
2052	680,296	0.52	354,860	7,300,761	3,787,236	3,513,525
2053	688,323	0.52	359,047	6,941,714	3,831,922	3,109,792
2054	696,444	0.52	363,284	6,578,430	3,877,135	2,701,296
2055	704,661	0.52	367,570	6,210,860	3,922,881	2,287,979
2056	712,976	0.52	371,907	5,838,953	3,969,167	1,869,786
2057	721,388	0.52	376,295	5,462,657	4,015,999	1,446,658
2058	729,900	0.52	380,735	5,081,922	4,063,384	1,018,538
2059	738,512	0.52	385,228	4,696,695	4,111,328	585,367
2060	747,226	0.52	389,773	4,306,922	N/A	N/A
2061	756,042	0.52	394,372	3,912,550	N/A	N/A
2062	764,963	0.52	399,025	3,513,525	N/A	N/A
2063	773,988	0.52	403,733	3,109,792	N/A	N/A
2064	783,121	0.52	408,497	2,701,296	N/A	N/A
2065	792,361	0.52	413,317	2,287,979	N/A	N/A
2066	801,710	0.52	418,193	1,869,786	N/A	N/A
2067	811,169	0.52	423,128	1,446,658	N/A	N/A
2068	820,740	0.52	428,120	1,018,538	N/A	N/A
2069	830,424	0.52	433,171	585,367	N/A	N/A

Collier County Government
Public Utilities Department
2015 Annual Update and Inventory Report (AUIR)

**Table 1: Collier County Landfill Disposal Capacity
Level of Service Standard: Ten Years of Permitted Landfill Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

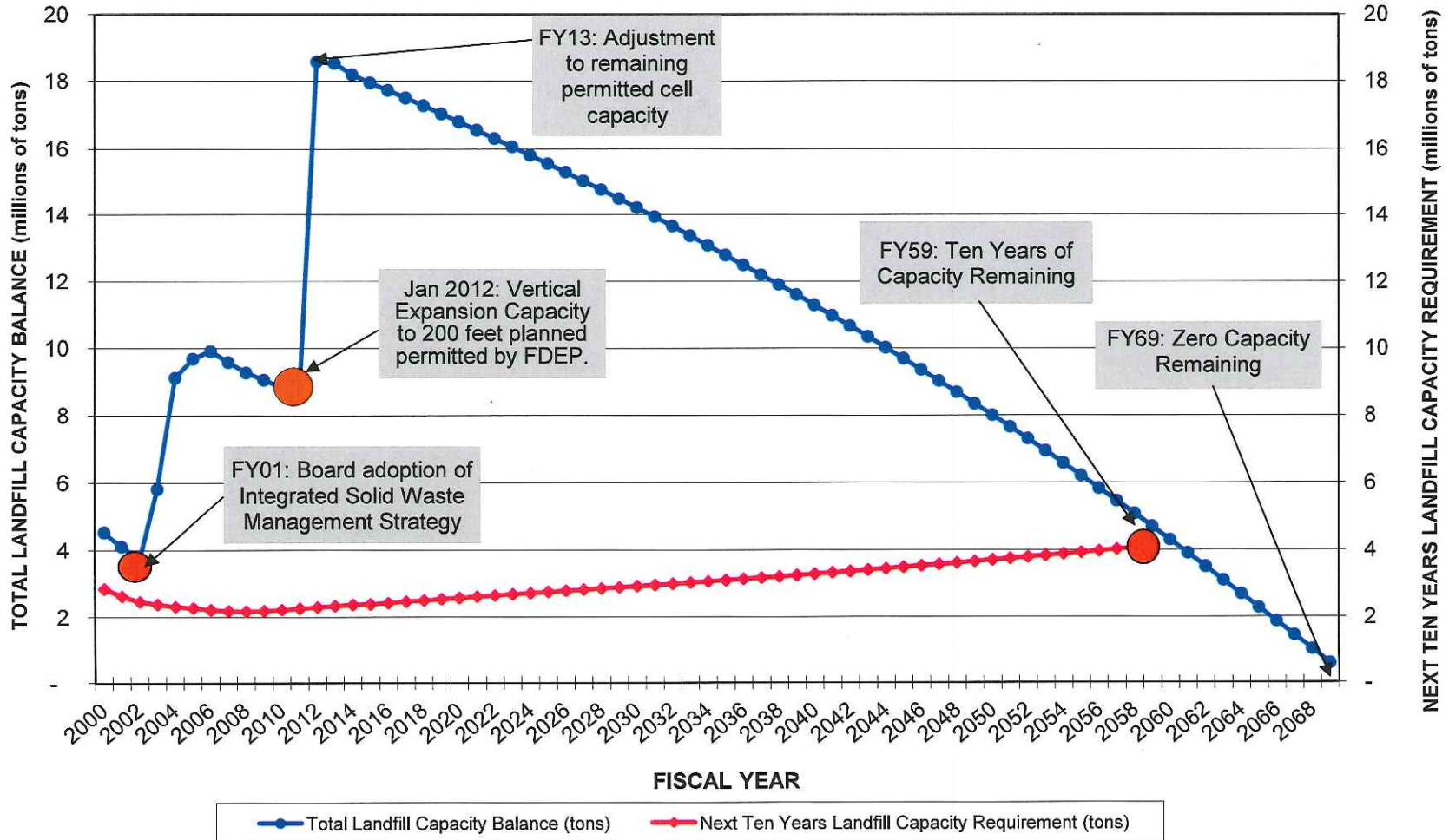
July 30, 2015

NOTES: (References are to the column numbers on previous page)

1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on "Collier County Peak Season Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are derived from data obtained from: 2010 Census; Bureau of Economic and Business Research (BEBR) population bulletins; Collier County Comprehensive Planning staff; and, Planning staff from Naples and Marco Island. FY 2035 - FY 2069 projected based on average annual percentage increase for FY 2032 - FY 2034 (1.18%).
3. Tons Per Capita Disposal Rate for FY 2000 - FY 2015 is calculated by dividing the actual Annual Tons Disposed (column 4) by the Peak Population (column 2). FY 2016 forward is the average Tons Per Capita Disposal Rate (column 3) of previous 3 years (FY 2013, FY 2014, and FY 2015).
4. Annual Tons Disposed for FY 2014 is actual tonnage amount buried at the Collier County Landfill. FY 2015 reflects the projected tons disposed from the current year forecast. FY 2016 forward are derived from Peak Population (column 2) multiplied by the Tons Per Capita Disposal Rate (column 3).
5. Total Landfill Capacity Balance (tons) is the previous years Total Landfill Capacity Balance (column 5) minus Annual Tons Disposed (column 4) at the Collier County Landfill. The bolded value in the Total Landfill Capacity Balance (column 5) is from Waste Management, Inc. of Florida's (WMIF) Annual Estimate of Remaining Life and Capacity Letter that includes the Board approved and FDEP permitted vertical expansion plus 930,000 tons of contracted disposal capacity at the Okeechobee Landfill.
6. Next Ten Years Landfill Capacity Requirement (tons) is the sum of the next ten years of Annual Tons Disposed (column 4) at the Collier County Landfill.
7. Ten Year Permitted Landfill Capacity Surplus or Deficiency (tons) is the Total Landfill Capacity Balance (column 5) minus the Next Ten Years Landfill Capacity Requirement (column 6).

CHART 1: TEN YEARS OF PERMITTED LANDFILL CAPACITY

Level of Service Standard = Ten Years of Permitted Landfill Capacity at Previous Three Years Average Tons Per Capita Disposal Rate
 July 30, 2015



Collier County Government
Public Utilities Department
2015 Annual Update and Inventory Report (AUIR)

Table 2: Collier County Landfill Disposal Capacity
Level of Service Standard: Two Years of Lined Cell Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate

July 30, 2015

1	2	3	4	5	6	7
Fiscal Year	Peak Population	Tons Per Capita Disposal Rate	Annual Tons Disposed	Lined Cell Capacity Balance (tons)	Next Two Years Lined Cell Capacity Requirement (tons)	Projected Lined Cell Capacity Surplus or Deficiency (tons)
2000	309,511	1.23	381,499	1,019,063	797,058	222,005
2001	325,159	1.32	430,511	588,552	654,956	(66,404)
2002	341,954	1.07	366,547	2,325,580	580,312	1,745,268
2003	359,191	0.80	288,409	2,037,171	566,680	1,470,491
2004	374,384	0.78	291,903	1,745,268	553,161	1,192,107
2005	386,668	0.71	274,777	1,470,491	533,273	937,218
2006	396,310	0.70	278,384	1,973,878	496,705	1,477,173
2007	400,027	0.64	254,889	1,718,989	457,154	1,261,835
2008	399,532	0.61	241,816	1,477,173	424,615	1,052,558
2009	399,979	0.54	215,338	2,107,085	411,503	1,695,582
2010	387,183	0.54	209,277	2,027,287	405,411	1,621,876
2011	392,180	0.52	202,226	1,825,061	412,496	1,412,565
2012	398,107	0.51	203,185	1,621,876	427,249	1,194,627
2013	402,268	0.52	209,311	2,237,565	457,288	1,780,277
2014	407,990	0.52	217,938	2,019,627	460,167	1,559,460
2015	415,645	0.52	239,350	1,780,277	445,714	1,334,563
2016	423,325	0.52	220,817	2,939,460	453,950	2,485,510
2017	431,146	0.52	224,897	2,714,563	462,338	2,252,225
2018	439,113	0.52	229,053	2,485,510	470,573	2,014,937
2019	447,226	0.52	233,285	2,252,225	478,341	1,773,884
2020	454,901	0.52	237,288	2,014,937	485,931	1,529,006
2021	462,118	0.52	241,053	1,773,884	493,642	1,280,242
2022	469,451	0.52	244,878	1,529,006	501,475	1,027,531
2023	476,900	0.52	248,764	1,280,242	509,147	771,095
2024	484,467	0.52	252,711	1,027,531	516,368	511,163
2025	491,608	0.52	256,436	771,095	520,287	250,808
2026	498,310	0.52	259,932	511,163	524,260	(13,097)

Collier County Government
Public Utilities Department
2015 Annual Update and Inventory Report (AUIR)

**Table 2: Collier County Landfill Disposal Capacity
Level of Service Standard: Two Years of Lined Cell Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2015

NOTES: (References are to the column numbers on previous page)

1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on "Collier County Peak Season Population Estimates and Projections" dated July 10, 2015, prepared by Collier County Comprehensive Planning Section. Populations are derived from data obtained from: 2010 Census; Bureau of Economic and Business Research (BEBR) population bulletins; Collier County Comprehensive Planning staff; and, Planning staff from Naples and Marco Island. FY 2035 - FY 2069 projected based on average annual percentage increase for FY 2032 - FY 2034 (1.18%).
3. Tons Per Capita Disposal Rate for FY 2000 - FY 2015 is calculated by dividing the actual Annual Tons Disposed (column 4) by the Peak Population (column 2). FY 2016 forward is the average Tons Per Capita Disposal Rate (column 3) of previous 3 years (FY 2013, FY 2014, and FY 2015).
4. Annual Tons Disposed for FY 2014 is actual tonnage amount buried at the Collier County Landfill. FY 2015 reflects the projected tons disposed from the current year forecast. FY 2016 forward are derived from Peak Population (column 2) multiplied by the Tons Per Capita Disposal Rate (column 3).
5. Lined Cell Capacity Balance (tons) is the previous years Lined Cell Capacity Balance (column 5) minus Annual Tons Disposed (column 4) at the Collier County Landfill. See below for explanations of the bolded values in the Lined Cell Capacity Balance (column 5).

Fiscal Year	New Capacity (tons)	Description	Source of Information
2002	930,000	Contracted disposal capacity at the Okeechobee Landfill.	June 12, 2001 Disposal Capacity Agreement, as amended.
2002	1,173,575	Lined Cell Expansion	Complete.
2006	911,250	Lined Cell Expansion	Complete.
2009	845,250	Lined Cell Expansion	Complete.
2013	825,000	Lined Cell Expansion	Waste Management, Inc. of Florida (WMIF) 5-year Cell Development Schedule received 03/25/14
2016 2017	1,380,000	Lined Cell Expansion	WMIF 5-year Cell Development Schedule dated 03/25/14.

6. Next Two Years Lined Cell Capacity Requirement (tons) is the sum of the next two years of Annual Tons Disposed (column 4) at the Collier County Landfill.
7. Projected Lined Cell Capacity Surplus or Deficiency (tons) is the Lined Cell Capacity Balance (column 5) minus the Next Two Years Lined Cell Capacity Requirement (column 6).

CHART 2: TWO YEARS OF LINED CELL CAPACITY
Level of Service Standard = Two Years of Lined Cell Capacity at Previous Three Years Average Tons Per Capita Disposal Rate
July 30, 2015

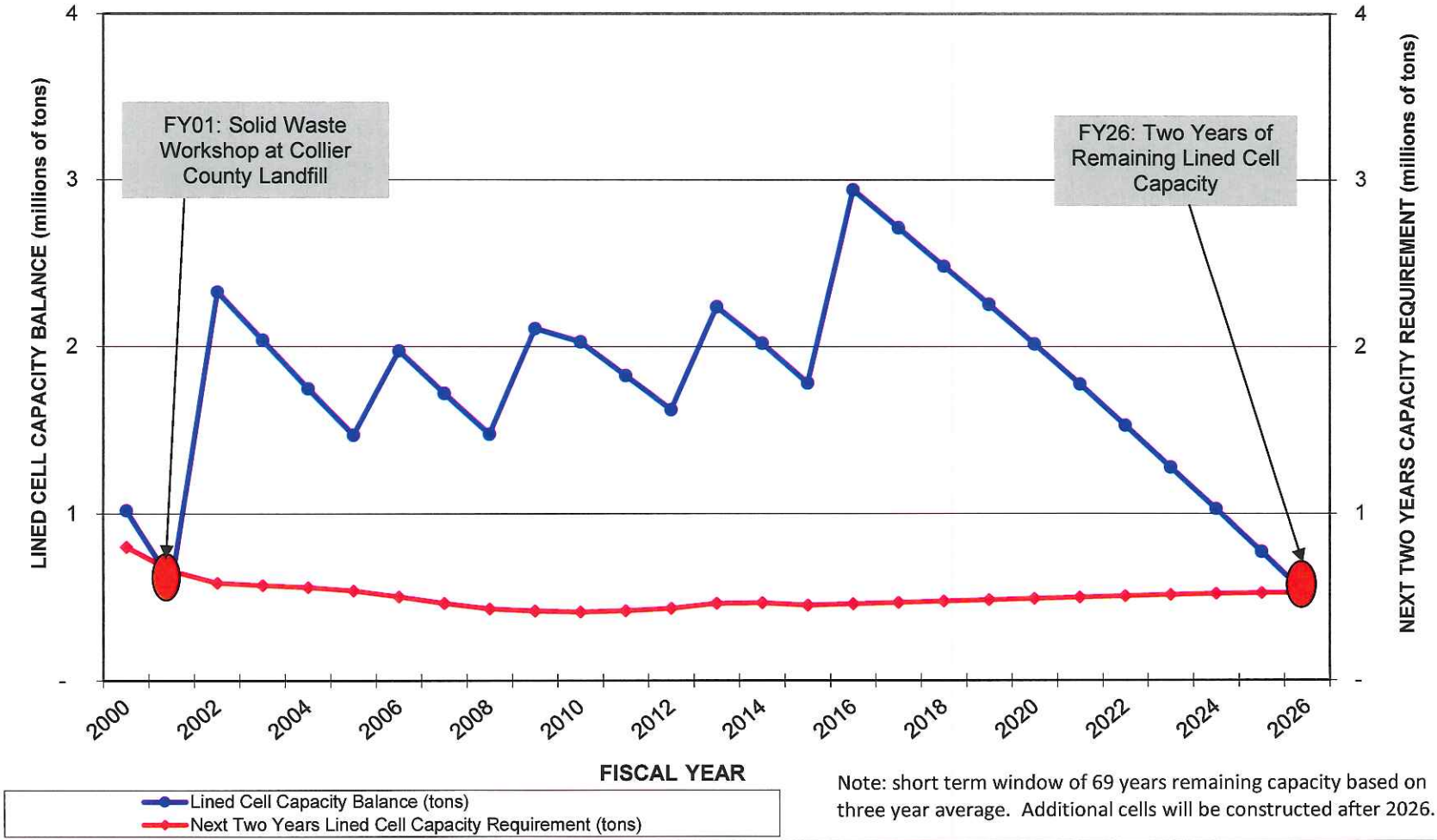


EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

SOLID WASTE DISPOSAL FACILITIES PROJECTS									
			CONSTRUCTION	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
CIE #	PROJECT		SCHEDULE NOTES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
TBD	County Landfill Cell Construction			\$0	\$0	\$0	\$0	\$0	\$0
SOLID WASTE PROJECT TOTALS				\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
LTF - Landfill Tipping Fees *	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells. Landfill cells vary in size and disposal capacity.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021-2025**

SOLID WASTE PROJECTS									
			CONSTRUCTION	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
CIE #	PROJECT		SCHEDULE NOTES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
TBD	County Landfill Cell Construction			\$0	\$0	\$0	\$0	\$0	\$0
	SOLID WASTE PROJECT TOTALS			\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
LTF - Landfill Tipping Fees *	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells. Landfill cells

COLLIER COUNTY SCHOOL CAPITAL IMPROVEMENT PLAN

CONTENTS

- **SUMMARY OF DISTRICT SCHOOL BOARD OF COLLIER COUNTY CAPITAL IMPROVEMENT PLAN (CIP) FOR NEXT FIVE YEARS**

Recommendation:

That the BCC include the District School Board of Collier County Capital Improvement Plan for FY 16–35, and the District Facilities Work Program for FY 16–20 by reference with the FY 2015/16 – FY 2019/2020 Schedule of Capital Improvement update and amendment.



Collier County Public Schools

Planning for the future . . .



Conceptual Rendering of the Immokalee Middle School Addition Project

Capital Improvement Plan FY16-35

May 12, 2015



Executive Summary

The administration is pleased to present the following Capital Improvement Plan for FY2016-2035. Consolidated into this one document are five-year enrollment projections, school capacity calculations, long-range space needs, funding, and a variety of related information relevant to capital planning for our schools. Chapter 6 contains detailed information by school pertaining to maintenance projects and renovations planned over the next twenty years.

The Immokalee Middle School renovation project is completed and the construction of the addition is well under way. The District is planning for students and staff to begin using the new building in the fall, enabling the 6th grade to return to the middle school. This will accommodate the Immokalee area elementary growth by freeing up capacity at the elementary schools. There are no new schools planned in this five-year budget projection. Meanwhile, district-wide enrollment continues to show a slight increase. The duration and location of this growth trend is being closely monitored. In the years 2017 through 2020 the District plans to continue to set aside funds for school construction. We also continue to replace buses, upgrade air conditioning systems, paint, replace roofs and fund other necessary projects related to facilities, maintenance, health and safety, security, furniture and equipment, and technology in order to maintain our schools and ancillary facilities.

This plan has a provision for the early retirement of debt in FY16 by the payoff of the 2006 COPs issue in February, 2016. The District will continue the plan to phase out the referendum millage in the General Fund and restore the Capital Millage to 1.50 mills.

5 Year Capital Budget Summary

Project	FY 2015 2016	FY 2016 2017	FY 2017 2018	FY 2018 2019	FY 2019 2020	Five Year Total
Capital Construction Program						
Capital Maintenance/Renovations (see Chapter 6)						
Electrical	3,174,000	2,314,000	1,815,000	2,149,000	3,587,000	13,039,000
Emergency Maintenance Projects	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	12,500,000
Facilities Renovation Other	1,182,000	833,000	135,000	10,000	410,000	2,570,000
Facility Modifications/Special Needs	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
HVAC	15,215,000	20,001,000	10,933,000	10,422,000	7,785,000	64,356,000
Roofing	2,637,000	2,540,000	3,015,000	950,000	2,960,000	12,102,000
School Maintenance and Renovations	8,904,000	4,027,000	3,636,000	3,196,000	4,305,000	24,068,000
Subtotal Capital Maintenance/Renovations (see Chapter 6)	34,812,000	33,415,000	23,234,000	20,427,000	22,747,000	134,635,000
Subtotal Capital Construction Program	34,812,000	33,415,000	23,234,000	20,427,000	22,747,000	134,635,000
Other Items						
Site Acquisition/Asset Management						
Property Management	185,000	90,000	45,000	45,000	45,000	410,000
Site Acquisition	475,000	50,000	120,000			645,000
Subtotal Site Acquisition/Asset Management	660,000	140,000	165,000	45,000	45,000	1,055,000
Health and Safety						
Fire Safety	639,398	640,386	641,394	642,422	643,471	3,207,071
Health, Safety, and Security	488,704	376,079	383,600	391,269	399,097	2,038,749
Security Camera Replacements/Additions	286,526	292,257	298,102	304,064	310,146	1,491,095
Surveillance/Security Camera Maintenance	143,263	146,128	149,051	152,032	155,073	745,547
Subtotal Health and Safety	1,557,891	1,454,850	1,472,147	1,489,787	1,507,787	7,482,462
Portables						
Portable Leasing	429,134	442,008	455,268	468,926	482,993	2,278,329

Project	FY 2015 2016	FY 2016 2017	FY 2017 2018	FY 2018 2019	FY 2019 2020	Five Year Total
Portable Renovation	170,000	170,000	170,000	170,000	170,000	850,000
Portable Setup	120,000	120,000	120,000	120,000	120,000	600,000
Subtotal Portables	719,134	732,008	745,268	758,926	772,993	3,728,329
Technology (*Transfer to General)						
Classroom Technology Equipment *	3,197,000	2,777,000	3,480,000	5,185,000	5,485,000	20,124,000
Enterprise Software/Current Year	50,000					50,000
Enterprise Software/Prior Year	12,912,000					12,912,000
Technology Infrastructure *	2,208,000	2,558,000	2,498,000	3,308,000	3,708,000	14,280,000
Technology Retrofit *	1,399,098	1,407,099	1,426,154	1,429,446	1,439,098	7,100,895
Subtotal Technology (*Transfer to General)	19,766,098	6,742,099	7,404,154	9,922,446	10,632,098	54,466,895
Equipment and Vehicles (*Transfer to General)						
Districtwide Equipment *	1,739,386	1,061,462	1,091,377	1,091,227	1,031,424	6,014,876
Equipment/Portables *	45,000	45,000	45,000	45,000	45,000	225,000
School Buses	2,707,421	5,548,865	9,405,025	9,355,064	1,323,317	28,339,692
Vehicles other than Buses	392,055	330,600	430,250	342,535	456,860	1,952,300
Subtotal Equipment and Vehicles (*Transfer to General)	4,883,862	6,985,927	10,971,652	10,833,826	2,856,601	36,531,868
Planning and Staff Support						
Building & Equipment Maintenance Staff	10,562,324	10,833,117	11,111,982	11,399,220	11,695,101	55,601,744
Facilities Staff	1,319,392	1,355,698	1,393,092	1,431,833	1,471,510	6,971,525
Other Capital Staff	603,902	620,563	637,639	655,411	673,624	3,191,139
Permitting Services	135,000	135,000	135,000	135,000	135,000	675,000
Printing Services	18,000	18,000	18,000	18,000	18,000	90,000
Professional Services Retainer-Engineer/Architect/Other	90,000	90,000	90,000	90,000	90,000	450,000
Site/Facility Testing	45,000	45,000	45,000	45,000	45,000	225,000
Subtotal Planning and Staff Support	12,773,618	13,097,378	13,430,713	13,774,464	14,128,235	67,204,408
Carry Forward/Debt Service/Insurance/Transfer/Contingency						
Carry Forward for Subsequent Years	19,528,702	757,920	958,562	611,852	279,322	22,136,358
Charter School Capital Flow Thru	200,000	200,000	200,000	200,000	200,000	1,000,000

Project	FY 2015 2016	FY 2016 2017	FY 2017 2018	FY 2018 2019	FY 2019 2020	Five Year Total
Debt Service	43,885,000	43,000,000	43,000,000	41,700,000	38,000,000	209,585,000
Early Retirement of Debt	27,335,000					27,335,000
Property Insurance	4,300,000	4,395,000	4,440,000	4,485,000	4,530,000	22,150,000
Reserve for Future Schools/Current Year		15,000,000	9,000,000	12,000,000	21,500,000	57,500,000
Reserve for Future Schools/Prior Years	36,000,000					36,000,000
Self-Insured Retention	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	75,000,000
Transfer to General Maintenance	3,325,000	3,425,000	3,525,000	3,625,000	3,725,000	17,625,000
Subtotal Carry Forward/Debt Service/Insurance/Transfer/Contingency	149,573,702	81,777,920	76,123,562	77,621,852	83,234,322	468,331,358
Subtotal Other Items	189,934,305	110,930,182	110,312,496	114,446,301	113,177,036	638,800,320
Total Projects	224,746,305	144,345,182	133,546,496	134,873,301	135,924,036	773,435,320

Summary of Estimated Revenue

Estimated Revenue	FY 2015 2016	FY 2016 2017	FY 2017 2018	FY 2018 2019	FY 2019 2020	Five Year Total
Local Sources						
Impact Fees	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	40,000,000
Interest Income	518,000	418,000	368,000	318,000	268,000	1,890,000
Capital Improvement Tax	98,236,305	114,666,480	122,688,576	123,864,739	125,312,184	584,768,284
Beginning Balance	116,260,000	19,528,702	757,920	958,562	611,852	138,117,036
Other	12,000	12,000	12,000	12,000	12,000	60,000
Subtotal Local Sources	223,026,305	142,625,182	131,826,496	133,153,301	134,204,036	764,835,320
State						
CO & DS	640,000	640,000	640,000	640,000	640,000	3,200,000
PECO Maint.	880,000	880,000	880,000	880,000	880,000	4,400,000
Charter Capital Flow Thru	200,000	200,000	200,000	200,000	200,000	1,000,000
Subtotal State	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	8,600,000
Total	224,746,305	144,345,182	133,546,496	134,873,301	135,924,036	773,435,320

Revenue Definitions

Impact Fee – Impact fees are a charge on new development to pay for the construction or expansion of Schools related to growth created by new residential construction. Impact fees are levied against the construction of a dwelling unit at the same time that a permit is issued.

Interest Income – Interest earned on (idle) funds invested by the District in accordance with board policy on investments.

Capital Improvement Tax – Capital improvement tax is an ad-valorem tax authorized by Florida Statute 236.25 and allows School Boards to levy up to 1.5 mills for construction projects, remodeling and renovation, purchase of school buses and other eligible equipment purchases. Our voter approved referendum allowed a reduction of .25 mills in capital millage in exchange for an offsetting increase in operating millage. The District plans to phase out the referendum millage in the General Fund and restore capital millage to 1.50 mills in FY 2017.

Beginning Balance – Beginning balance is the unencumbered and unspent funds available after all accounting records have been closed for a given fiscal year. Some of the beginning fund balance may represent rollover of unspent funds from the prior year for which projects have not yet been completed or encumbered.

Other – Other Income represents the refund of fuel taxes and any other miscellaneous revenue that could be received during the year.

Capital Outlay and Debt Service (CO&DS) – are derived from the motor vehicle license tax collected and distributed by the state.

PECO Maintenance – Gross Receipts Utility Taxes are the source of revenues for Public Education Capital Outlay (PECO) funding which is appropriated annually by the legislature.

Charter Capital Flow Thru – State funds that are received on behalf of Charter Schools.

COUNTY PARKS AND RECREATION FACILITIES

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2015 AUIR COMMUNITY AND REGIONAL PARK LANDS
SUMMARY

Facility Type: Community and Regional Park Land (Category A)

Level of Service Standard (LOSS): 1.2 acres per 1,000/population (Community)
2.7 acres per 1,000/population (Regional)

Unit Cost: \$176,906 per acre*

Community Parks: Using the Peak Season population for unincorporated area of the County, the following is set forth:

	<u>Acres</u>	<u>Value</u>
Available Inventory as of 9/30/2015	547.74	\$96,898,492
Required Inventory as of 9/30/2020	489.69 **	\$86,629,099
Proposed AUIR FY 2015/16-2019/20	<u>8.00 ****</u>	<u>\$1,415,248</u>
5-year Surplus or (Deficit)	66.05	<u>\$11,684,641</u>

Regional Parks: Using the Countywide Peak Season population, the following is set forth:

Available Inventory as of 9/30/2015	1,237.51	\$218,922,944
Required Inventory as of 9/30/2020	1,228.23 ***	\$217,281,256
Proposed AUIR FY 2015/16-2019/20	<u>0.00 ****</u>	<u>\$0</u>
5-year Surplus or (Deficit)	9.28	<u>\$1,641,688</u>

Expenditures

Proposed AUIR FY 15/16-19/20 (value of) Acquisitions	\$1,415,248
Debt Service Payments for 2006/2012 Bonds	<u>\$17,359,700</u>
Total Expenditures	<u>\$18,774,948</u>

Revenues

Impact Fees anticipated	\$34,769,800
Interest/Misc	\$155,400
Grant/Reimbursement	\$0
Available Cash for Future Projects/Payment of Debt Service	\$8,222,000
Proposed added value through commitments, leases and governmental transfers	<u>\$0</u>
Total Revenues	<u>\$43,147,200</u>

Surplus or (Deficit) Revenues***** \$24,372,252

Revenues needed to maintain existing LOSS none

Recommendation:

That the CCPC forward a recommendation of approval to the BCC for the proposed "Community and Regional Park Lands AUIR for FY 2015/16- FY 2019/20"

Notes:

* Unit cost value per Impact Fee Update as indexed.

** Peak Season population for the unincorporated area of the County of 408,072 x 0.0012 LOSS
= 489.69 acres

*** Countywide Peak Season population of 454,901 x 0.0027 LOSS = 1,228.23 acres

**** **Proposed AUIR FY 2015/16- FY 2019/20**

The 8 acres (Whittaker Dog Park) is an expansion park site based on BCC direction.

***** Reserved for future growth

2015 AUIR

Community Park Acres
LOSS: 1.2 Acres/1000 Population

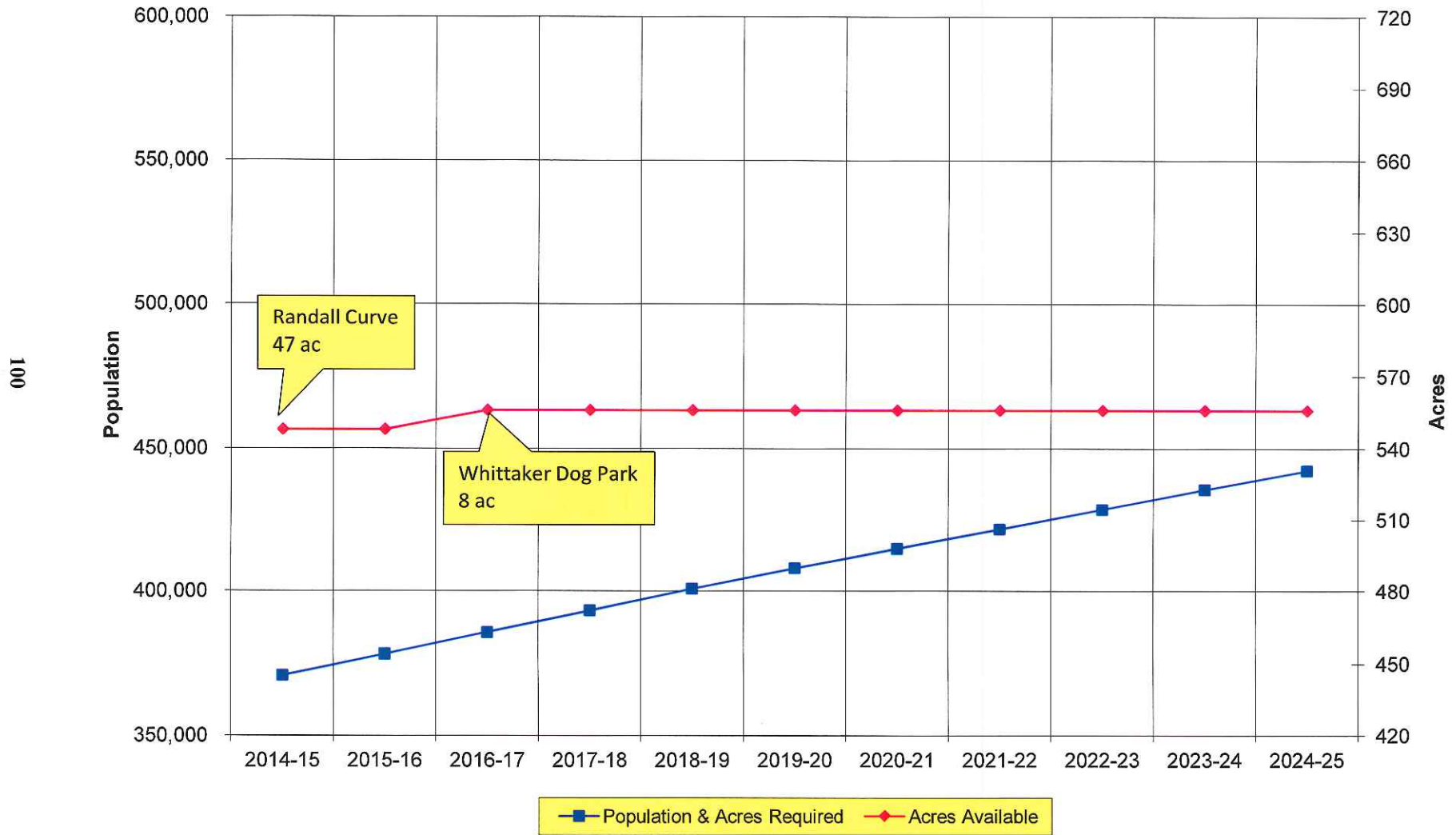
FISCAL YEAR	POPULATION UNINCORPORATED	PARK ACRES REQUIRED 0.0012000	PARK ACRES PLANNED IN AUIR	PARK ACRES AVAILABLE *	SURPLUS/ (DEFICIENCY)	REQUIRED COST AT \$176,906	TOTAL/VALUE AVAILABLE \$176,906
2014-15	371,112	445.33	(47.00)	547.74	102.41	\$78,781,549	\$96,898,492
2015-16	378,340	454.01		547.74	93.73	\$80,317,093	\$96,898,492
2016-17	385,707	462.85	8.00	555.74	92.89	\$81,880,942	\$98,313,740
2017-18	393,213	471.86		555.74	83.88	\$83,474,865	\$98,313,740
2018-19	400,861	481.03		555.74	74.71	\$85,097,093	\$98,313,740
2019-20	408,072	489.69		555.74	66.05	\$86,629,099	\$98,313,740
1st 5-Year Growth (2016-2020)	36,960	44.35	8.00				
2020-21	414,826	497.79		555.74	57.95	\$88,062,038	\$98,313,740
2021-22	421,690	506.03		555.74	49.71	\$89,519,743	\$98,313,740
2022-23	428,666	514.40		555.74	41.34	\$91,000,446	\$98,313,740
2023-24	435,755	522.91		555.74	32.83	\$92,505,916	\$98,313,740
2024-25	442,418	530.90		555.74	24.84	\$93,919,395	\$98,313,740
2nd 5-Year Growth (2021-2025)	34,346	41.22	0.00				
Total 10-Year Growth (2016-2025)	71,306	85.57	8.00				

*Note:

2014-15 - Randall Curve -47 acres

2016-17 - Whittaker Dog Park 8 acres is an expansion park site based on BCC direction.

2015 AUIR Community Park Acres, LOSS: 1.2 Acres / 1,000 Population



Anticipated Changes in Community Park Land Inventory FY 15/16 to FY 24/25

FY	Action	Acquisition Type	Location	Acres	Value	Cash Expenditure
					\$176,906	
2015/16					\$0	
FY 15/16 TOTAL				0	\$0	\$0
2016/17	Add	Whittaker Dog Park		8	\$1,415,248	
FY 16/17 TOTAL				8	\$1,415,248	\$0
2017/18					\$0	\$0
FY 17/18 TOTAL				0	\$0	\$0
2018/19					\$0	
FY 18/19 TOTAL				0	\$0	\$0
2019/20					\$0	
FY 19/20 TOTAL				0	\$0	\$0
FY 15/16 TO FY 19/20 FIVE-YEAR SUBTOTAL				8	\$1,415,248	\$0
2020/21					\$0	
FY 20/21 TOTAL				0	\$0	\$0
2021/22					\$0	
FY 21/22 TOTAL				0	\$0	\$0
2022/23					\$0	
FY 22/23 TOTAL				0	\$0	\$0
2023/24					\$0	
FY 23/24 TOTAL				0	\$0	\$0
2024/25					\$0	
FY 24/25 TOTAL				0	\$0	\$0
FY 20/21 TO FY 24/25 FIVE-YEAR SUBTOTAL				0	\$0	\$0
FY 15/16 TO FY 24/25 TEN-YEAR TOTAL				8	\$1,415,248	\$0

*Note: The 8 acres (Whittaker Dog Park) is an expansion park site based on BCC direction.

2015 AUIR

Regional Park Land Acres

LOSS: 2.7 Acres / 1000 Population

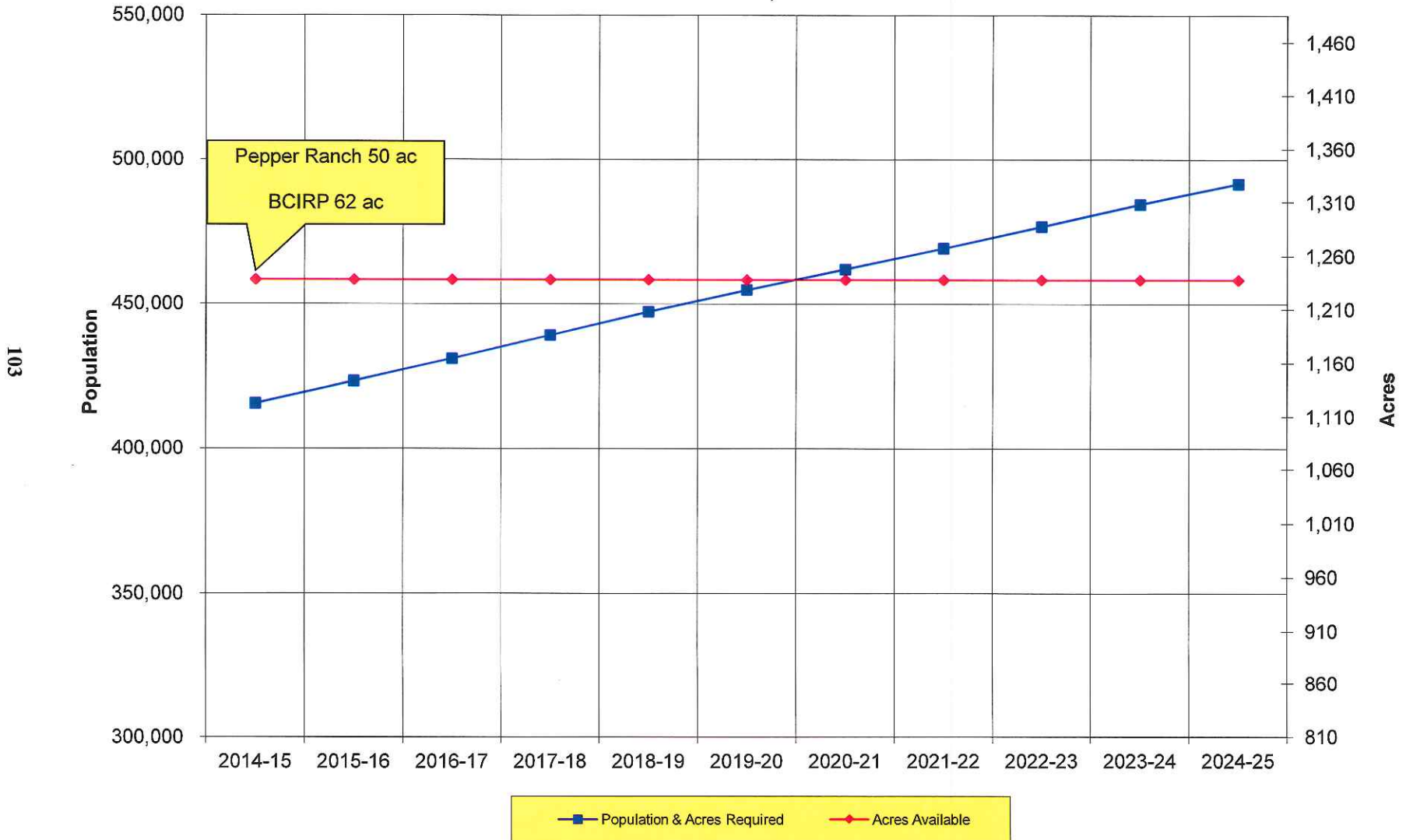
FISCAL YEAR	POPULATION CO-WIDE	FACILITIES REQUIRED 0.0027000	FACILITIES PLANNED IN AUIR	PARK ACRES AVAILABLE*	PARK ACRES SURPLUS/ (DEFICIENCY)	REQUIRED COST AT \$176,906	TOTAL/VALUE AVAILABLE \$176,906
2014-15	415,645	1,122.24	112.00	1,237.51	115.27	\$198,530,989	\$218,922,944
2015-16	423,325	1,142.98	0.00	1,237.51	94.53	\$202,200,020	\$218,922,944
2016-17	431,146	1,164.09	0.00	1,237.51	73.42	\$205,934,506	\$218,922,944
2017-18	439,113	1,185.61	0.00	1,237.51	51.90	\$209,741,523	\$218,922,944
2018-19	447,226	1,207.51	0.00	1,237.51	30.00	\$213,615,764	\$218,922,944
2019-20	454,901	1,228.23	0.00	1,237.51	9.28	\$217,281,256	\$218,922,944
1st 5-Year Growth (2016-2020)	39,256	105.99	0.00				
2020-21	462,118	1,247.72	0.00	1,237.51	(10.21)	\$220,729,154	\$218,922,944
2021-22	469,451	1,267.52	0.00	1,237.51	(30.01)	\$224,231,893	\$218,922,944
2022-23	476,900	1,287.63	0.00	1,237.51	(50.12)	\$227,789,473	\$218,922,944
2023-24	484,467	1,308.06	0.00	1,237.51	(70.55)	\$231,403,662	\$218,922,944
2024-25	491,608	1,327.34	0.00	1,237.51	(89.83)	\$234,814,410	\$218,922,944
2nd 5-Year Growth (2010-2025)	36,707	99.11	0.00				
Total 10-Year Growth (2016-2025)	75,963	205.10	0.00				

Note:

2014-2015: 50 ac Intradepartmental Partnership Pepper Ranch

2014-2015: 62 ac Intragovernmental Transfer Big Corkscrew Island Regional Park

2015 AUIR Regional Park Acres, LOSS: 2.7 Acres/1000 Population



Anticipated Changes in Regional Park Land Inventory FY 15/16 to FY 24/25

FY	Action	Acquisition Type	Location	Acres	Value	Cash Expenditure
					\$176,906	
2015/16					\$0	
FY 15/16 TOTAL				0.00	\$0	\$0
2016/17					\$0	
FY 16/17 TOTAL				0.00	\$0	\$0
2017/18					\$0	
FY 17/18 TOTAL				0.00	\$0	\$0
2018/19					\$0	
FY 18/19 TOTAL				0.00	\$0	\$0
2019/20					\$0	
FY 19/20 TOTAL				0.00	\$0	\$0
FY 15/16 TO FY 19/20 FIVE-YEAR SUBTOTAL				0.00	\$0	\$0
2020/21				0.00	\$0	
FY 20/21 TOTAL				0.00	\$0	\$0
2021/22				0.00	\$0	
FY 21/22 TOTAL				0.00	\$0	\$0
2022/23				0.00	\$0	
FY 22/23 TOTAL				0.00	\$0	\$0
2023/24				0.00	\$0	
FY 23/24 TOTAL				0.00	\$0	\$0
2024/25				0.00	\$0	
FY 24/25 TOTAL				0.00	\$0	\$0
FY 20/21 TO FY 24/25 FIVE-YEAR SUBTOTAL				0.00	\$0	\$0
FY 15/16 TO FY 24/25 TEN-YEAR TOTAL				0.00	\$0	\$0

Summary of Changes in Parks and Recreation Inventory FY 14 to FY 15

Community Park Land Changes

Action	Location	Acres	Explanation
Removed	Randall Curve	-47	Removed as it will not be developed for a park site and we are actively pursuing transfer to another County division or sale to private party.
NET CHANGE TO COMMUNITY PARK ACREAGE		-47	

Regional Park Land Changes

Action	Location	Acres	Explanation
Added	Big Corkscrew Island Regional Park	62	
Added	Pepper Ranch	50	
NET CHANGE TO REGIONAL PARK ACREAGE		112	

2015 Collier County Park Land Inventory

Commissioner & District	District	Location	Type	Acreage	Community Park Acres	Regional Park Acres	Regional Park Pathway Acres	Neighborhood Park Acres	Notes
Fiala - 1	Marco	Caxambas Park	Regional	4.20		4.20			
Fiala - 1	Marco	Collier Blvd Boating Park	Regional	0.50		0.50			
Fiala - 1	Marco	Goodland Boating Park	Regional	5.00		5.00			
Fiala - 1	Marco	Isle of Capri Land Parcels	Neighborhood	0.11				0.11	
Fiala - 1	Marco	Isles of Capri NP	Neighborhood	0.15				0.15	
Fiala - 1	Marco	Isles of Capri Paddlecraft Park	Regional	9.00		9.00			
Fiala - 1	Marco	Mar Good Harbor Park	Regional	2.50		2.50			
Fiala - 1	Marco	South Marco Beach Access	Regional	5.00		5.00			
Fiala - 1	Marco	Tigertail Beach Park	Regional	31.60		31.60			
Hiller - 2	North Naples	Barefoot Beach Access	Regional	5.00		5.00			
Hiller - 2	North Naples	Barefoot Beach Preserve	Regional	159.60		159.60			
Hiller - 2	North Naples	Barefoot Beach State Land	Regional	186.00		186.00			
Hiller - 2	North Naples	Clam Pass Park	Regional	35.00		35.00			
Hiller - 2	North Naples	Cocohatchee River Park	Regional	7.20		7.20			
Hiller - 2	North Naples	Conner Park	Regional	5.00		5.00			
Hiller - 2	North Naples	Naples Park Elementary	Community	5.00	5.00				
Hiller - 2	North Naples	North Collier RP	Regional	207.70		207.70			
Taylor - 4	North Naples	North Gulfshore Beach Access	Regional	0.50		0.50			
Hiller - 2	North Naples	North Naples NP (Best Friends-surplus)	Neighborhood						
Henning - 3	North Naples	Oakes NP	Neighborhood	2.00				2.00	
Hiller - 2	North Naples	Osceola Elementary	Community	3.20	3.20				
Hiller - 3	North Naples	Palm River NP	Neighborhood	3.00				3.00	added to inventory
Hiller - 2	North Naples	Pelican Bay CP	Community	15.00	15.00				
Taylor - 4	North Naples	Poinciana NP	Neighborhood	0.30				0.30	
Hiller - 2	North Naples	Vanderbilt Beach	Regional	5.00		5.00			
Hiller - 2	North Naples	Veterans CP	Community	43.64	43.64				
Hiller - 2	North Naples	Veterans Memorial Elementary	Community	4.00	4.00				
Henning - 3	North Naples	Vineyards CP	Community	35.50	35.50				
Hiller - 2	North Naples	Willoughby Park	Neighborhood	1.20				1.20	
Henning - 3	Golden Gate	Aaron Lutz NP	Neighborhood	3.20				3.20	
Taylor - 4	Golden Gate	Coconut Circle NP	Neighborhood	1.20				1.20	
Henning - 3	Golden Gate	Golden Gate Community Center	Community	21.00	21.00				
Henning - 3	Golden Gate	Golden Gate CP	Community	35.00	35.00				
Henning - 3	Golden Gate	Golden Gate Greenway / Pathway	Community	3.00	3.00				
Henning - 3	Golden Gate	Palm Springs NP	Neighborhood	6.70				6.70	
Henning - 3	Golden Gate	Rita Eaton NP	Neighborhood	4.80				4.80	
Taylor - 4	East Naples	Bay Street Land Parcels	Regional	1.34		1.34			
Taylor - 4	East Naples	Bayview Park	Regional	6.27		6.27			
Fiala - 1	East Naples	Cindy Mysels CP	Community	5.00	5.00				
Taylor - 4	East Naples	East Naples CP	Community	47.00	47.00				
Fiala - 1	East Naples	Naples Manor NP	Neighborhood	0.30				0.30	
Taylor - 4	East Naples	Sugden RP	Regional	120.00		120.00			
Fiala - 1	South Naples	Eagle Lakes CP	Community	32.00	32.00				
Fiala - 1	South Naples	Manatee CP	Community	60.00	60.00				
Fiala - 1	South Naples	Panther NP	Neighborhood	0.50				0.50	
Fiala - 1	South Naples	Port of The Islands	Regional	5.55		5.55			
Taylor - 4	Central Naples	Fred W. Coyle Freedom Park	Regional	25.16		25.16			
Taylor - 4	Central Naples	Gordon River Greenway Park	Regional	79.00		79.00			
Taylor - 4	Central Naples	Naples Zoo	Regional	50.00		50.00			
Fiala - 1	Central Naples	Rock Harbor Parcels	Neighborhood	0.10				0.10	
Nance - 5	Immokalee	Airport Park	Community	19.00	19.00				
Nance - 5	Immokalee	Ann Oleski Park	Regional	2.30		2.30			
Nance - 5	Immokalee	Dreamland NP - *School fenced in area	Neighborhood	0.50				0.50	
Nance - 5	Immokalee	Eden Park Elementary	Community	2.80	2.80				
Nance - 5	Immokalee	Immokalee CP	Community	23.00	23.00				
Nance - 5	Immokalee	Immokalee High School	Community	1.00	1.00				
Nance - 5	Immokalee	Immokalee Sports Complex	Community	14.00	14.00				
Nance - 5	Immokalee	Immokalee South Park	Community	3.20	3.20				
Nance - 5	Immokalee	Oil Well Park	Neighborhood	5.50				5.50	
Nance - 6	Immokalee	Pepper Ranch	Regional	50.00		50.00			added to inventory
Nance - 5	Immokalee	Tony Rosbough CP	Community	7.00	7.00				
Nance - 6	Urban Estates	Big Corkscrew Island RP	Regional	62.00		62.00			added to inventory
Nance - 5	Urban Estates	Big Corkscrew Island RP - Lake	Regional	90.00		90.00			
Nance - 5	Urban Estates	Corkscrew Elementary/Middle	Community	16.90	16.90				
Nance - 5	Urban Estates	Livingston Woods NP (surplus)	Neighborhood						
Nance - 5	Urban Estates	Max A Hasse CP	Community	20.00	20.00				
Nance - 5	Urban Estates	Palmetto Elementary	Community	2.00	2.00				
Nance - 5	Urban Estates	Randall Curve Property (surplus)	Community						surplus
Fiala - 1	Urban Estates	Rich King Greenway - (FPL)	Regional	37.50			37.50		
Nance - 5	Urban Estates	Sabal Palm Elementary	Community	9.50	9.50				
Nance - 5	Urban Estates	Vanderbilt Extension CP	Community	120.00	120.00				
		Total Collier Units		1,775.22	547.74	1,160.42	37.50	29.56	

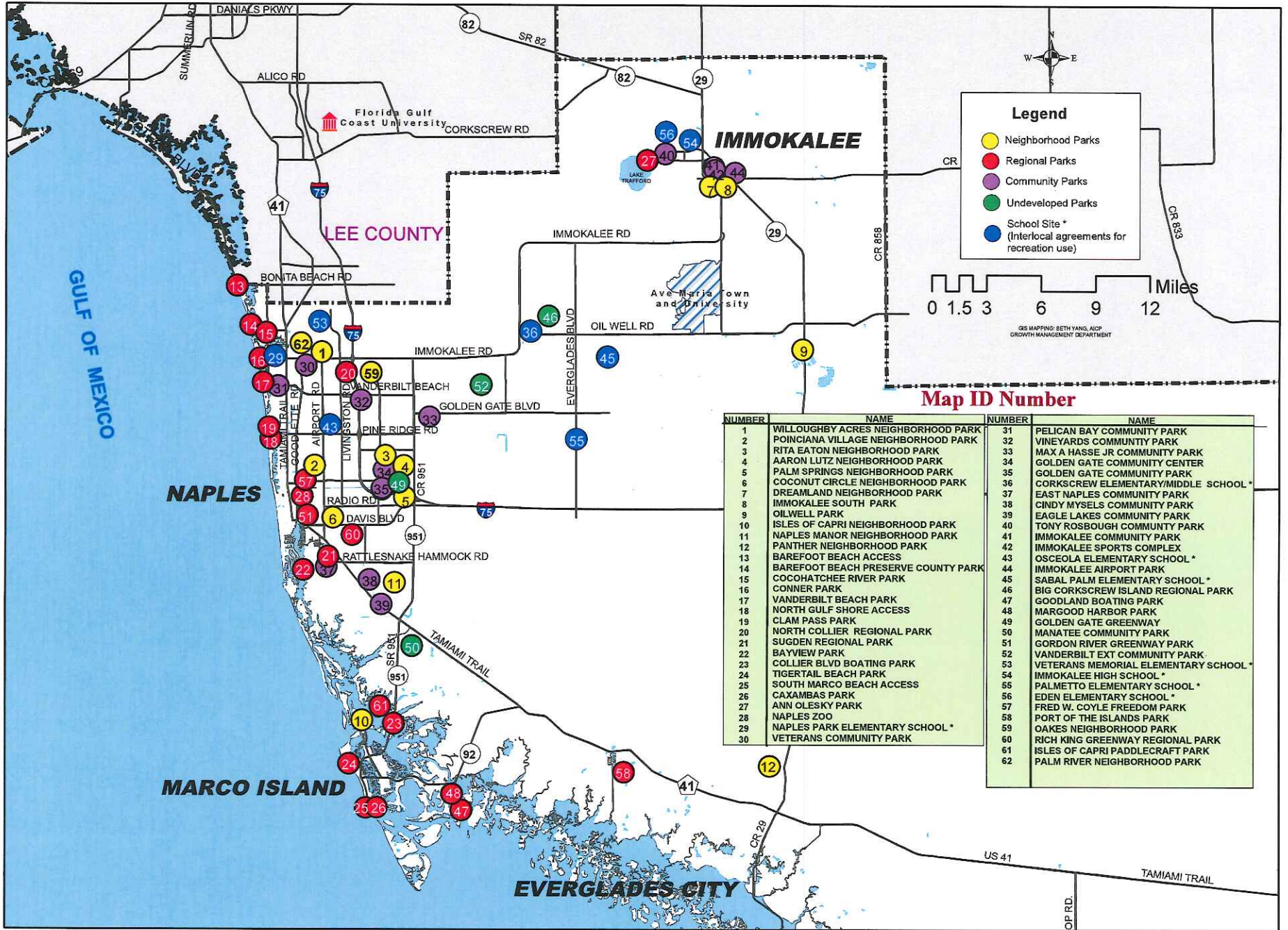
2015 Collier County Park Land Inventory

District	Location	Type	Acreage	Community Park Acres	Regional Park Acres	Regional Park Pathway Acres	Neighborhood Park Acres
City of Naples	Beach Accesses	Regional	0.50		0.50		
City of Naples	Naples Landings	Regional	3.81		3.81		
City of Naples	Fleischmann Park	Community	25.26				
City of Naples	Cambier Park	Community	12.84				
City of Naples	Pulling Park	Regional	15.20		15.20		
City of Naples	Lowdermilk Park	Regional	10.30		10.30		
City of Naples	River Park CC	Community	1.61				
City of Naples	Naples Preserve	Regional	9.78		9.78		
City of Naples	Anthony Park	Neighborhood	7.00				
	Total Naples Units		86.30		39.59		
City of Marco Island	Jane Hittler	Neighborhood	0.25				
City of Marco Island	Veterans' Memorial	Neighborhood	0.25				
City of Marco Island	Leigh Plummer	Neighborhood	3.50				
City of Marco Island	Racquet Center	Community	2.97				
City of Marco Island	Frank Mackle	Community	30.00				
City of Marco Island	Winterberry	Neighborhood	5.00				
	Total Marco Units		41.97				
Everglades City	Community Park	Community	0.86				
Everglades City	McLeod Park	Community	1.04				
	Total Everglades Units		1.90				
	Total Units		1,905.39	547.74	1,237.51		29.56

Totals	Acreage	Community Park Acres	Regional Park Acres	Neighborhood Park Acres
Value per Unit	\$176,906			
Total Value	\$337,074,923	\$96,898,492.44	\$218,922,944.06	\$5,229,341.36

Notes: Only acreage within municipalities that have regional park type designations are inventoried for purposes of the AUIR
 Park land and amenities located in Private communities are taken into consideration when planning new parks and facilities but cannot be counted as inventory due to lack of public access
 Added Big Corkscrew Island Regional Park, Pepper Ranch, and Palm River Neighborhood Park

2015 PARKS INVENTORY

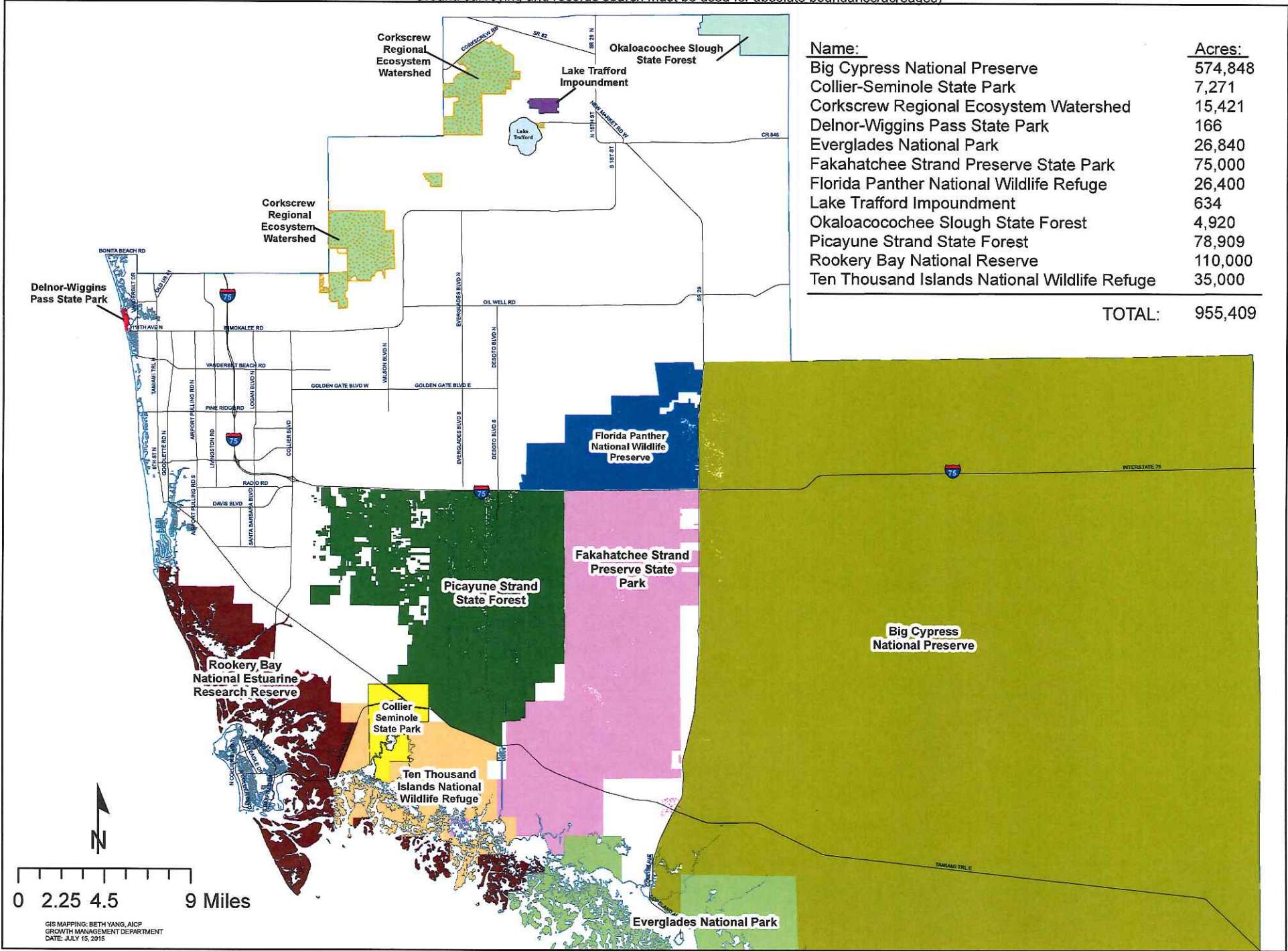


Map ID Number

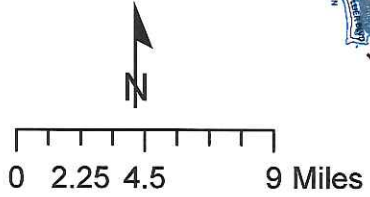
NUMBER	NAME	NUMBER	NAME
1	WILLOUGHBY ACRES NEIGHBORHOOD PARK	31	PELICAN BAY COMMUNITY PARK
2	POINCIANA VILLAGE NEIGHBORHOOD PARK	32	VINEYARDS COMMUNITY PARK
3	RITA EATON NEIGHBORHOOD PARK	33	MAX A HASSE JR COMMUNITY PARK
4	AARON LUTZ NEIGHBORHOOD PARK	34	GOLDEN GATE COMMUNITY CENTER
5	PALM SPRINGS NEIGHBORHOOD PARK	35	GOLDEN GATE COMMUNITY PARK
6	COCONUT CIRCLE NEIGHBORHOOD PARK	36	CORKSCREW ELEMENTARY/MIDDLE SCHOOL *
7	DREAMLAND NEIGHBORHOOD PARK	37	EAST NAPLES COMMUNITY PARK
8	IMMOKALEE SOUTH PARK	38	CINDY MYSELS COMMUNITY PARK
9	OILWELL PARK	39	EAGLE LAKES COMMUNITY PARK
10	ISLES OF CAPRI NEIGHBORHOOD PARK	40	TONY ROSBOUGH COMMUNITY PARK
11	NAPLES MANOR NEIGHBORHOOD PARK	41	IMMOKALEE COMMUNITY PARK
12	PANTHER NEIGHBORHOOD PARK	42	IMMOKALEE SPORTS COMPLEX
13	BAREFOOT BEACH ACCESS	43	OSCEOLA ELEMENTARY SCHOOL *
14	BAREFOOT BEACH PRESERVE COUNTY PARK	44	IMMOKALEE AIRPORT PARK
15	COCO HATCHEE RIVER PARK	45	SABAL PALM ELEMENTARY SCHOOL *
16	CONNOR PARK	46	BIG CORKSCREW ISLAND REGIONAL PARK
17	VANDERBILT BEACH PARK	47	GOODLAND BOATING PARK
18	NORTH GULF SHORE ACCESS	48	MARGOOD HARBOR PARK
19	CLAM PASS PARK	49	GOLDEN GATE GREENWAY
20	NORTH COLLIER REGIONAL PARK	50	MANATEE COMMUNITY PARK
21	SUGDEN REGIONAL PARK	51	GORDON RIVER GREENWAY PARK
22	BAYVIEW PARK	52	VANDERBILT EXT COMMUNITY PARK
23	COLLIER BLVD BOATING PARK	53	VETERANS MEMORIAL ELEMENTARY SCHOOL *
24	TIGERTAIL BEACH PARK	54	IMMOKALEE HIGH SCHOOL *
25	SOUTH MARCO BEACH ACCESS	55	PALMETTO ELEMENTARY SCHOOL *
26	CAXAMBAS PARK	56	EDEN ELEMENTARY SCHOOL *
27	ANN OLESKY PARK	57	FRED W. COYLE FREEDOM PARK
28	NAPLES ZOO	58	PORT OF THE ISLANDS PARK
29	NAPLES PARK ELEMENTARY SCHOOL *	59	OAKES NEIGHBORHOOD PARK
30	VETERANS COMMUNITY PARK	60	RICH KING GREENWAY REGIONAL PARK
		61	ISLES OF CAPRI PADDLECRRAFT PARK
		62	PALM RIVER NEIGHBORHOOD PARK

FEDERAL AND STATE OWNED PARK LAND

(Disclaimer: The information provided is to be used for general mapping purposes only. Ground surveying and records search must be used for absolute boundaries/acresages)



Name:	Acres:
Big Cypress National Preserve	574,848
Collier-Seminole State Park	7,271
Corkscrew Regional Ecosystem Watershed	15,421
Delnor-Wiggins Pass State Park	166
Everglades National Park	26,840
Fakahatchee Strand Preserve State Park	75,000
Florida Panther National Wildlife Refuge	26,400
Lake Trafford Impoundment	634
Okaloacoochee Slough State Forest	4,920
Picayune Strand State Forest	78,909
Rookery Bay National Reserve	110,000
Ten Thousand Islands National Wildlife Refuge	35,000
TOTAL:	955,409



CAPITAL IMPROVEMENT ELEMENT (CIE) AMENDMENT SUBMITTALS FOR CATEGORY “A” FACILITIES

CONTENTS

- **EXHIBIT “A”, SCHEDULE OF CAPITAL IMPROVEMENTS FOR NEXT 5 FISCAL YEARS**
- **APPENDIX “H”, SCHEDULE OF CAPITAL IMPROVEMENTS FOR FUTURE FISCAL YEARS 6 – 10**

Updates and Amendments to the Capital Improvement Element

The Annual Update and Inventory Report includes updates to the Capital Improvement Element of the Growth Management Plan needed to eliminate existing deficiencies, replace obsolete or worn out facilities, and make available adequate facilities for future growth. These updates include the two following tables and two Collier County Public School District planning documents as provided for in Policy 4.2 of the Capital Improvement Element.

What follows as Exhibit A is the Schedule of Capital Improvements for the next five year period [Fiscal years 2016 through 2020]. Exhibit A is a component of the Capital Improvement Element and indicates the County's needs for arterial and collector roads and bridge facilities, parks and recreation facilities, stormwater management system, potable water system, solid waste disposal facilities, and wastewater collection and treatment system improvements – all Category "A" facilities subject to concurrency. Public schools are also Category "A" facilities, and planning for public schools over the next five year period is provided by the Collier County Public School District *Facilities Work Program*, as incorporated into the Capital Improvement Element as data and analysis.

What follows as Appendix H is the Schedule of Capital Improvements for the future five year period [Fiscal years 2021 through 2025]. Appendix H supplements the Capital Improvement Element for long term facilities planning of the same Category "A" facilities. Long term planning for public schools is provided by the Collier County Public School District *Capital Improvement Plan* that is incorporated by reference in the Capital Improvement Element.

Each Schedule of Capital Improvements table represents the revenue sources and expenditures for Category "A" public facilities to maintain the levels of service standards established by the Capital Improvement Element. These updated tables, together with updated references to School District documents, constitute the amendments to the Capital Improvement Element.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

ARTERIAL & COLLECTOR ROADS AND BRIDGE PROJECTS								
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
		SCHEDULE NOTES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
60144	Oil Well Rd - Everglades Blvd to Oil Well Grade	Advanced Construction	\$2,737,000					\$2,737,000
60168	Vanderbilt Beach Rd - Collier Blvd to Wilson Blvd	S/R/D 16, R/M/D 17-20	\$3,750,000	\$2,000,000	\$2,000,000	\$2,000,000	\$6,500,000	\$16,250,000
60132	Immokalee Rd/CR 951, Broken Back Rd Intersection	Construction	\$3,750,000					\$3,750,000
60129	Wilson - Benfield Extension	Study, Design	\$2,279,000					\$2,279,000
60185	Wilson/City Gate	Design	\$250,000					\$250,000
60147	Randall Blvd - Immokalee Rd Intersection to 8th St	Design, ROW Acquisition	\$500,000	\$0	\$0	\$0	\$0	\$500,000
60040	Golden Gate Blvd - Wilson Blvd to 20th St	ROW Acquisition	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
60145	Golden Gate Blvd - 20th St to Everglades Blvd	R 16, R/M/A 17-18, R/A 19, A 20	\$3,550,000	\$5,100,000	\$6,400,000	\$7,300,000	\$2,000,000	\$24,350,000
60148	Airport Rd/Davis Blvd Intersection	ROW Acquisition, Construction	\$3,542,000	\$0	\$0	\$0	\$0	\$3,542,000
TBD	Veterans Memorial	Study	\$0	\$100,000	\$0	\$0	\$0	\$100,000
61001	Tree Farm/Woodcrest	Construction	\$1,682,000	\$0	\$0	\$0	\$0	\$1,682,000
TBD	8th, 16th and 47th Bridges	Design 16, Construction 17	\$1,362,000	\$8,188,000	\$0	\$0	\$0	\$9,550,000
	Contingency		\$4,695,000	\$1,973,000	\$1,473,000	\$973,000	\$1,973,000	\$11,087,000
Sbttl	Operations Improvements/Programs		\$16,372,000	\$15,990,000	\$16,740,000	\$16,740,000	\$15,490,000	\$81,332,000
60003	Collector Rds / Minor Arterial Rds		\$1,750,000	\$1,750,000	\$750,000	\$750,000	\$750,000	\$5,750,000
60171	Multi Project		\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
	Transfers to Other Funds (312)		\$3,113,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,113,000
	Impact Fee Refunds		\$200,000	\$400,000	\$400,000	\$400,000	\$400,000	\$1,800,000
	Debt Service Payments		\$13,143,000	\$13,137,000	\$13,137,000	\$13,137,000	\$13,137,000	\$65,691,000
	ARTERIAL & COLLECTOR ROADS AND BRIDGE PROJECT TOTALS		\$63,675,000	\$51,688,000	\$43,950,000	\$44,350,000	\$43,300,000	\$246,963,000

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
IF - Impact Fees / COA Revenue	\$9,000,000	\$9,300,000	\$9,500,000	\$9,900,000	\$10,100,000	\$47,800,000
DCA - Development Contribution Agreements	\$900,000					\$900,000
GA - Gas Tax Revenue	\$18,500,000	\$18,500,000	\$18,500,000	\$18,500,000	\$18,500,000	\$92,500,000
GR - Grants / Reimbursements	\$1,488,000	\$8,188,000	\$0	\$0	\$0	\$9,676,000
CF - Available Cash for Future Projects/Payment of Debt Service	\$17,605,000	\$0	\$0	\$0	\$0	\$17,605,000
GF - General Fund	\$14,860,000	\$12,000,000	\$12,000,000	\$12,000,000	\$12,000,000	\$62,860,000
IN - Interest Revenue - Fund 313 Gas Tax & Impact Fees	\$338,000	\$400,000	\$400,000	\$400,000	\$400,000	\$1,938,000
TR - Fund 111 & DCA Transfers	\$2,427,000	\$3,300,000	\$3,550,000	\$3,550,000	\$2,300,000	\$15,127,000
RR - Revenue Reduction (less 5% required by law)	(\$1,443,000)					(\$1,443,000)
REVENUE TOTAL	\$63,675,000	\$51,688,000	\$43,950,000	\$44,350,000	\$43,300,000	\$246,963,000
CUMMULATIVE FOR FY20 CAPITAL FUNDING	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

PARKS & RECREATION FACILITIES PROJECTS								
		CAPITAL IMPROVEMENT	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
TBD	Randall Curve Park	47.0 ac. Intradepartmental Transfer	-\$8,314,582	\$0	\$0	\$0	\$0	(\$8,314,582)
TBD	Whittaker Dog Park	8.0 ac. Interdepartmental Transfer	\$1,415,248	\$0	\$0	\$0	\$0	\$1,415,248
	Debt Service Payments (2011/2013 Bonds)		\$2,935,700	\$2,939,200	\$2,939,600	\$2,943,100	\$5,602,100	\$17,359,700
	PARKS & RECREATION FACILITIES PROJECT TOTALS		(\$3,963,634)	\$2,939,200	\$2,939,600	\$2,943,100	\$5,602,100	\$18,774,948

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
IF - Impact Fees / COA Revenue	\$6,700,000	\$6,825,600	\$6,953,500	\$7,083,800	\$7,206,900	\$34,769,800
DIF - Deferred Impact Fees	\$0	\$0	\$0	\$0	\$0	\$0
GR - Grants / Reimbursements	\$0	\$0	\$0	\$0	\$0	\$0
IN - Interest / Misc.	\$31,400	\$31,000	\$31,000	\$31,000	\$31,000	\$155,400
RR - Revenue Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
CF - Available Cash for Future Projects/Payment of Debt Service	\$8,222,000	\$0	\$0	\$0	\$0	\$8,222,000
TR - Added Value through Commitments, Leases & Transfers	\$0	\$0	\$0	\$0	\$0	\$0
GF - General Fund	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$14,953,400	\$6,856,600	\$6,984,500	\$7,114,800	\$7,237,900	\$43,147,200

NOTE: All Community Park Land and Regional Park Land transactions are being facilitated through interdepartmental transfers exchanging land holdings for park lands, or using other methods not involving expenditure of capital funds. These transactions represent changes to the value of land holdings only.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

STORMWATER MANAGEMENT SYSTEM PROJECTS								
		CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
	Current Multi-Year Programs	Current Multi-Year Programs	\$1,321,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,321,000
	Infrastructure Maintenance Projects		\$1,287,000	\$1,200,000	\$1,900,000	\$1,800,000	\$1,800,000	\$7,987,000
	System Capacity Projects		\$3,188,000	\$2,520,000	\$1,800,000	\$1,800,000	\$1,800,000	\$11,108,000
	Watershed Management Plan Projects		\$200,000	\$195,000	\$215,000	\$315,000	\$315,000	\$1,240,000
	Water Quality Improvement Projects		\$100,000	\$0	\$0	\$0	\$0	\$100,000
	STORMWATER MANAGEMENT SYSTEM PROJECT TOTALS		\$6,096,000	\$4,415,000	\$4,415,000	\$4,415,000	\$4,415,000	\$23,756,000
	Stormwater Management Operating		\$897,000	\$1,145,000	\$1,145,000	\$1,145,000	\$1,145,000	\$5,477,000
	Debt Service / Reserves		\$11,000	\$35,000	\$35,000	\$35,000	\$35,000	\$151,000
	STORMWATER MANAGEMENT SYSTEM TOTAL PROGRAM COSTS		\$7,004,000	\$5,595,000	\$5,595,000	\$5,595,000	\$5,595,000	\$29,384,000

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
GR - Grants / Reimbursements	\$1,312,000	\$0	\$0	\$0	\$0	\$1,312,000
CF - Available Cash for Future Projects/Payment of Debt Service	\$92,000	\$0	\$0	\$0	\$0	\$92,000
RR - Revenue Reduction (less 5% required by law)	(\$2,000)	(\$2,000)	(\$2,000)	(\$2,000)	(\$2,000)	(\$10,000)
IN - Interest Revenue - misc.	\$40,000	\$35,000	\$35,000	\$35,000	\$35,000	\$180,000
MSTD - General Fund	\$1,550,000	\$1,550,000	\$1,550,000	\$1,550,000	\$1,550,000	\$7,750,000
GF - General Fund	\$4,012,000	\$4,012,000	\$4,012,000	\$4,012,000	\$4,012,000	\$20,060,000
REVENUE TOTAL	\$7,004,000	\$5,595,000	\$5,595,000	\$5,595,000	\$5,595,000	\$29,384,000

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

POTABLE WATER SYSTEM PROJECTS								
	CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
	Debt Service		\$9,512,000	\$9,315,000	\$9,316,000	\$8,872,000	\$8,872,000	\$45,887,000
	Expansion Related Projects		\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects		\$17,275,000	\$17,195,000	\$15,915,000	\$17,995,000	\$22,010,000	\$90,390,000
	Departmental Capital		\$1,814,000	\$560,000	\$538,000	\$537,000	\$577,000	\$4,026,000
	Reserve for Contingencies – Replacement & Rehabilitation Projects		\$1,717,500	\$1,719,500	\$1,591,500	\$1,799,500	\$2,201,000	\$9,029,000
	POTABLE WATER SYSTEM PROJECT TOTALS		\$30,318,500	\$28,789,500	\$27,360,500	\$29,203,500	\$33,660,000	\$149,332,000

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
WIF - Water System Development Fees / Impact Fees	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$24,500,000
RR - Reserve Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
B - Bonds	\$0	\$0	\$0	\$0	\$0	\$0
LOC - Commercial Paper	\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans	\$0	\$0	\$0	\$0	\$0	\$0
WCA - Water Capital Account	\$1,814,000	\$560,000	\$538,000	\$537,000	\$577,000	\$4,026,000
REV - Rate Revenue	\$23,604,500	\$23,329,500	\$21,922,500	\$23,766,500	\$28,183,000	\$120,806,000
REVENUE TOTAL	\$30,318,500	\$28,789,500	\$27,360,500	\$29,203,500	\$33,660,000	\$149,332,000

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NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system.

DATA SOURCES:

- Expansion Related and Replacement & Rehabilitation Projects:
 FY 2016 is obtained from the 2016 Proposed Budget.
- Department Capital:
 FY 2016 is obtained from the 2016 Proposed Budget, split 50/50 between Water and Wastewater.
 FY 2017 to FY 2019 are obtained from 2014 User Rate Study and FY 2020 is a 2% increase over FY 2019.
- Debt Service:
 FY 2016 to 2020 are obtained from the Collier County Water and Sewer District Financial Statements and Other Reports, Summary of Debt service requirements to maturity. Total Debt Service amount is split 50/50 between Water and Wastewater.
- Reserve for Contingencies – Replacement and Rehabilitation Projects:
 As per Florida Statutes, reserve for contingencies are up to 10% of expenses.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

SOLID WASTE DISPOSAL FACILITIES PROJECTS									
			CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
PROJECT No.	PROJECT	NOTES	SCHEDULE NOTES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
TBD	County Landfill Cell Construction			\$0	\$0	\$0	\$0	\$0	\$0
SOLID WASTE DISPOSAL FACILITIES PROJECT TOTALS				\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
LTF - Landfill Tipping Fees	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system.

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells. Landfill cells vary in size and disposal capacity.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2016-2020

WASTEWATER COLLECTION & TREATMENT SYSTEM PROJECTS								
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT SCHEDULE NOTES	\$ AMOUNT FY 2016	\$ AMOUNT FY 2017	\$ AMOUNT FY 2018	\$ AMOUNT FY 2019	\$ AMOUNT FY 2020	\$ AMOUNT TOTAL
	Debt Service (CAFR)		\$9,512,000	\$9,315,000	\$9,316,000	\$8,872,000	\$8,872,000	\$45,887,000
	Expansion Related Projects		\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects		\$29,205,000	\$36,246,000	\$32,490,000	\$33,946,000	\$78,672,000	\$210,559,000
	Departmental Capital		\$1,814,000	\$595,000	\$593,000	\$594,000	\$577,000	\$4,173,000
	Reserve for Contingencies – Replacement & Rehabilitation Projects		\$2,571,000	\$3,624,600	\$3,249,000	\$3,394,600	\$7,867,200	\$20,706,400
	WASTEWATER COLLECTION & TREATMENT SYSTEM PROJECT TOTAL		\$43,102,000	\$49,780,600	\$45,648,000	\$46,806,600	\$95,988,200	\$281,325,400

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
SIF - Wastewater System Development Fees / Impact Fees	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$22,500,000
RR - Reserve Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
B - Bonds	\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans	\$0	\$0	\$0	\$0	\$28,716,000	\$28,716,000
LOC - Commercial Paper, Additional Senior Lien	\$0	\$0	\$0	\$0	\$0	\$0
SCA - Wastewater Capital Account - Transfers	\$1,814,000	\$595,000	\$593,000	\$594,000	\$577,000	\$4,173,000
REV - Rate Revenue	\$36,788,000	\$44,685,600	\$40,555,000	\$41,712,600	\$62,195,200	\$225,936,400
REVENUE TOTAL	\$43,102,000	\$49,780,600	\$45,648,000	\$46,806,600	\$95,988,200	\$281,325,400

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NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system. Revenue sources are estimates only; both the mix of sources and amounts will change when a rate study is conducted.

DATA SOURCES:
 - Expansion Related and Replacement & Rehabilitation Projects:
 FY 2016 is obtained from the 2016 Proposed Budget.
 - Department Capital:
 FY 2016 is obtained from the 2016 Proposed Budget, split 50/50 between Water and Wastewater.
 FY 2017 to FY 2019 are obtained from 2014 User Rate Study and FY 2020 is a 2% increase over FY 2019.
 - Debt Service:
 FY 2016 to 2020 are obtained from the Collier County Water and Sewer District Financial Statements and Other Reports, Summary of Debt service requirements to maturity. Total Debt Service amount is split 50/50 between Water and Wastewater.
Reserve for Contingencies – Replacement and Rehabilitation Projects:
 As per Florida Statutes, reserve for contingencies are up to 10% of expenses.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
COST AND REVENUE SUMMARY TABLE
FISCAL YEARS 2016-2020

The table below itemizes the types of public facilities and the sources of revenue. The "Revenue Amount" column contains the 5-Year amount of facility revenues. The right column is a calculation of expenses versus revenues for each type of public facility. All deficits are accumulated as a subtotal. The subtotal deficit is the source of additional revenue utilized by Collier County to fund the deficit in order to maintain the levels of service standards as referenced in the Capital Improvement Element.

<u>Projects</u>	<u>Revenue Sources</u>	<u>Expenditure</u>	<u>Revenue Amount</u>	<u>Total</u>
ARTERIAL & COLLECTOR ROADS AND BRIDGE PROJECTS				
Revenues:	IF - Impact Fees / COA Revenue		\$47,800,000	
	DCA - Development Contribution Agreements		\$900,000	
	GA - Gas Tax Revenue		\$92,500,000	
	GR - Grants / Reimbursements		\$9,676,000	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$17,605,000	
	TR - Transfers		\$62,860,000	
	GF - General Fund		\$1,938,000	
	ARF - Additional Roll Forward		\$15,127,000	
	IN - Interest Revenue - Impact Fees		-\$1,443,000	\$246,963,000
Less Expenditures:		\$246,963,000		<u>\$246,963,000</u>
			Balance	<u>\$0</u>
POTABLE WATER SYSTEM PROJECTS				
Revenues:	WIF - Water System Development Fees/Impact Fees		\$24,500,000	
	RR - Revenue Reduction <i>(less 5% required by law)</i>		\$0	
	B - Bonds		\$0	
	LOC - Commercial Paper 1		\$0	
	SRF - State Revolving Fund Loans		\$0	
	WCA - Water Capital Account		\$4,026,000	
	REV - Rate Revenue		\$120,806,000	\$149,332,000
Less Expenditures:		\$149,332,000		<u>\$149,332,000</u>
			Balance	<u>\$0</u>
WASTEWATER COLLECTION & TREATMENT SYSTEM PROJECTS				
Revenues:	SIF - Wastewater System Development Fees/Impact Fees		\$22,500,000	
	RR - Revenue Reduction <i>(less 5% required by law)</i>		\$0	
	B - Bonds		\$0	
	SRF - State Revolving Fund Loans		\$28,716,000	
	LOC - Commercial Paper, Additional Senior Lien		\$0	
	SCA - Wastewater Capital Account, Transfers		\$4,173,000	
	REV - Rate Revenue		\$225,936,400	\$281,325,400
Less Expenditures:		\$281,325,400		<u>\$281,325,400</u>
			Balance	<u>\$0</u>
SOLID WASTE DISPOSAL FACILITIES PROJECTS				
Revenues:	LTF - Landfill Tipping Fees		\$0	\$0
Less Expenditures:		\$0		<u>\$0</u>
			Balance	<u>\$0</u>
PARKS & RECREATION FACILITIES PROJECTS				
Revenues:	IF - Impact Fees		\$34,769,800	
	DIF - Deferred Impact Fees		\$0	
	GR - Grants / Reimbursements		\$0	
	IN - Interest		\$155,400	
	RR - Revenue Reduction <i>(less 5% required by law)</i>		\$0	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$8,222,000	
	TR - Added Value through Commitments, Leases & Transfers		\$0	
	GF - General Fund		\$0	\$43,147,200
Less Expenditures:		\$17,359,700		<u>\$43,147,200</u>
			Balance	<u>\$25,787,500</u>
STORMWATER MANAGEMENT SYSTEM PROJECTS				
Revenues:	GR - Grants / Reimbursements		\$1,312,000	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$92,000	
	IN - Interest Revenue		\$180,000	
	RR - Revenue Reduction <i>(less 5% required by law)</i>		(\$10,000)	
	MSTD - General Fund		\$7,750,000	
	GF - General Fund		\$20,060,000	\$29,384,000
Less Expenditures:		\$29,384,000		<u>\$29,384,000</u>
			Balance	<u>\$0</u>
TOTAL PROJECTS		\$724,364,100	TOTAL REVENUE SOURCES	\$750,151,600

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021-2025**

ARTERIAL AND COLLECTOR ROAD PROJECTS								
		CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	Contingency		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Sbttl	Operations Improvements/Programs		\$15,100,000	\$15,100,000	\$15,100,000	\$15,100,000	\$15,100,000	\$75,500,000
Sbttl	Transfers to Other Funds (312)		\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000
	Impact Fee Refunds		\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
60003	Collector Rds / Minor Arterial Rds		\$1,450,000	\$1,450,000	\$1,450,000	\$1,450,000	\$1,450,000	\$7,250,000
60171	Advanced ROW		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
	Capacity Improvement Projects - All Phases		\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000
	Debt Service Payments		\$14,600,000	\$14,600,000	\$14,600,000	\$14,600,000	\$14,600,000	\$73,000,000
	ARTERIAL AND COLLECTOR ROAD PROJECT TOTALS		\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$193,000,000

REVENUE KEY - REVENUE SOURCE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
IF - Impact Fees / COA Revenue	\$5,600,000	\$5,600,000	\$5,600,000	\$5,600,000	\$5,600,000	\$28,000,000
GA - Gas Tax Revenue	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$91,500,000
GR - Grants / Reimbursements	\$0	\$0	\$0	\$0	\$0	\$0
CF - Available Cash for Future Projects/Payment of Debt Service	\$0	\$0	\$0	\$0	\$0	\$0
TR - Transfers	\$0	\$0	\$0	\$0	\$0	\$0
GF - General Fund	\$13,700,000	\$13,700,000	\$13,700,000	\$13,700,000	\$13,700,000	\$68,500,000
DC - Developer Contribution Agreements / Advanced	\$0	\$0	\$0	\$0	\$0	\$0
IN - Interest - Fund 313 (Gas Tax & Interest Impact Fees)	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
RR - Revenue Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$193,000,000

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021-2025**

PARKS AND RECREATION FACILITIES PROJECTS								
		CAPITAL IMPROVEMENT	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
80002	Developer Contributions		\$0	\$0	\$0	\$0	\$0	\$0
PARKS AND RECREATION FACILITIES PROJECT TOTALS			\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
IF - Impact Fees / COA Revenue			\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$14,700,000
GR - Grants / Reimbursements			\$0	\$0	\$0	\$0	\$0	\$0
GF - General Fund			\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL			\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$14,700,000

NOTE: All Community Park Land and Regional Park Land transactions are being facilitated through interdepartmental transfers exchanging land holdings for park lands, or using other methods not involving expenditure of capital funds. These transactions represent changes to the value of land holdings only.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021-2025**

STORMWATER MANAGEMENT SYSTEM PROJECTS							
		CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
	Stormwater Management System Projects	Continuous	\$4,415,000	\$4,415,000	\$4,415,000	\$4,415,000	\$4,415,000
	Stormwater Management Operations & Reserves		\$1,100,000	\$1,100,000	\$1,100,000	\$1,100,000	\$1,100,000
	STORMWATER MANAGEMENT SYSTEM PROJECT TOTALS		\$5,515,000	\$5,515,000	\$5,515,000	\$5,515,000	\$5,515,000
							\$22,075,000
							\$5,500,000
							\$27,575,000

REVENUE KEY - REVENUE SOURCE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
GR - Grants / Reimbursements	\$0	\$0	\$0	\$0	\$0	\$0
CF - Available Cash for Future Projects/Payment of Debt Service	\$0	\$0	\$0	\$0	\$0	\$0
CRA - Community Redevelopment Area / Municipal Service Taxing Unit	\$0	\$0	\$0	\$0	\$0	\$0
GF - General Fund	\$5,515,000	\$5,515,000	\$5,515,000	\$5,515,000	\$5,515,000	\$27,575,000
REVENUE TOTAL	\$5,515,000	\$5,515,000	\$5,515,000	\$5,515,000	\$5,515,000	\$27,575,000

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021-2025**

POTABLE WATER SYSTEM PROJECTS								
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT SCHEDULE NOTES	\$ AMOUNT FY 2020	\$ AMOUNT FY 2021	\$ AMOUNT FY 2022	\$ AMOUNT FY 2023	\$ AMOUNT FY 2024	\$ AMOUNT TOTAL
	Expansion Related Projects		\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects		\$21,890,000	\$16,880,000	\$19,515,000	\$20,440,000	\$15,775,000	\$94,500,000
	Debt Service		\$8,872,000	\$8,303,000	\$5,893,000	\$5,893,000	\$5,499,000	\$34,460,000
	Departmental Capital		\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$2,189,000	\$1,688,000	\$1,951,500	\$2,044,000	\$1,577,500	\$9,450,000
	POTABLE WATER SYSTEM PROJECT TOTALS		\$33,540,000	\$27,472,000	\$27,972,500	\$29,002,000	\$23,489,500	\$141,476,000

REVENUE KEY - REVENUE SOURCE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
WIF - Water System Development Fees	\$28,051,000	\$21,971,000	\$22,459,500	\$23,477,000	\$17,951,500	\$113,910,000
RR - Revenue Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
WCA - Water Capital Account	\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
REV - Rate Revenue	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000	\$24,500,000
REVENUE TOTAL	\$33,540,000	\$27,472,000	\$27,972,500	\$29,002,000	\$23,489,500	\$141,476,000

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021-2025**

SOLID WASTE DISPOSAL FACILITIES PROJECTS									
			CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
PROJECT No.	PROJECT		SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
TBD	County Landfill Cell Construction			\$0	\$0	\$0	\$0	\$0	\$0
SOLID WASTE DISPOSAL FACILITIES PROJECT TOTALS				\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
LTF - Landfill Tipping Fees	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system.

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2021 - 2025**

WASTEWATER TREATMENT SYSTEM PROJECTS								
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT SCHEDULE NOTES	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	Expansion Related Projects		\$4,251,700	\$4,676,900	\$5,144,600	\$5,659,100	\$6,225,010	\$25,957,310
	Replacement & Rehabilitation Projects		\$67,449,000	\$56,971,000	\$62,355,000	\$65,313,000	\$70,830,000	\$322,918,000
	Departmental Capital		\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
	Debt Service		\$8,872,000	\$10,963,000	\$8,553,000	\$8,553,000	\$8,159,000	\$45,100,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$6,744,900	\$5,697,100	\$6,235,500	\$6,531,300	\$7,083,000	\$32,291,800
	WASTEWATER TREATMENT SYSTEM PROJECT TOTALS		\$87,906,600	\$78,909,000	\$82,901,100	\$86,681,400	\$92,935,010	\$429,333,110

REVENUE KEY - REVENUE SOURCE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
SIF - Wastewater System Development Fees / Impact Fees	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$4,500,000	\$22,500,000
RR - Revenue Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
B - Bonds	\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans	\$12,498,000	\$0	\$0	\$0	\$0	\$12,498,000
LOC - Commercial Paper, Additional Senior Lien	\$0	\$0	\$0	\$0	\$0	\$0
SCA - Wastewater Capital Account - Transfers	\$589,000	\$601,000	\$613,000	\$625,000	\$638,000	\$3,066,000
REV - Rate Revenue	\$70,319,600	\$73,808,000	\$77,788,100	\$81,556,400	\$87,797,010	\$391,269,110
REVENUE TOTAL	\$87,906,600	\$78,909,000	\$82,901,100	\$86,681,400	\$92,935,010	\$429,333,110

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
COST AND REVENUE SUMMARY TABLE
FISCAL YEARS 2021-2025**

The table below itemizes the types of public facilities and the sources of revenue. The "Revenue Amount" column contains the 5-Year amount of facility revenues. The right column is a calculation of expenses versus revenues for each type of public facility. All deficits are accumulated as a subtotal. The subtotal deficit is the source of additional revenue utilized by Collier County to fund the deficit in order to maintain the levels of service standards as referenced in the Capital Improvement Element.

Projects	Revenue Sources	Expenditure	Revenue Amount	Total
ARTERIAL AND COLLECTOR ROAD PROJECTS				
Revenues:	IF - Impact Fees / COA Revenue		\$28,000,000	
	GA - Gas Tax Revenue		\$91,500,000	
	GR - Grants / Reimbursements		\$0	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$0	
	TR - Transfers		\$0	
	GF - General Fund		\$68,500,000	
	DC - Developer Contribution Agreements / Advanced		\$0	
	IN - Interest - Fund 313 (Gas Tax & Interest Impact Fees)		\$5,000,000	
	RR - Revenue Reduction (<i>less 5% required by law</i>)		\$0	\$193,000,000
Less Expenditures:		\$193,000,000		\$193,000,000
			Balance	<u>\$0</u>
POTABLE WATER SYSTEM PROJECTS				
Revenues:	WIF - Water System Development Fees		\$113,910,000	
	RR - Revenue Reduction (<i>less 5% required by law</i>)		\$0	
	WCA - Water Capital Account		\$3,066,000	
	REV - Rate Revenue		\$24,500,000	\$141,476,000
Less Expenditures:		\$141,476,000		\$141,476,000
			Balance	<u>\$0</u>
WASTEWATER TREATMENT SYSTEM PROJECTS				
Revenues:	SIF - Wastewater System Development Fees		\$22,500,000	
	RR - Revenue Reduction (<i>less 5% required by law</i>)		\$0	
	B - Bonds		\$0	
	SRF - State Revolving Fund Loans		\$12,498,000	
	LOC - Commercial Paper, Additional Senior Lien		\$0	
	SCA - Wastewater Capital Account		\$3,066,000	
	REV - Rate Revenue		\$391,269,110	\$429,333,110
Less Expenditures:		\$429,333,110		\$429,333,110
			Balance	<u>\$0</u>
SOLID WASTE DISPOSAL FACILITIES PROJECTS				
Revenues:	LTF - Landfill Tipping Fees		\$0	\$0
Less Expenditures:		\$0		\$0
			Balance	<u>\$0</u>
PARKS & RECREATION FACILITIES PROJECTS				
Revenues:	IF - Impact Fees		\$0	
	GR - Grants / Reimbursements		\$0	
	GF - General Fund		\$0	\$0
Less Expenditures:		\$0		\$0
			Balance	<u>\$0</u>
STORMWATER MANAGEMENT SYSTEM PROJECTS				
Revenues:	GR - Grants / Reimbursements		\$0	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$0	
	CRA - Community Redevelopment Area/Municipal Service Taxing		\$0	
	GF - General Fund		\$27,575,000	\$27,575,000
Less Expenditures:		\$27,575,000		\$27,575,000
			Balance	<u>\$0</u>
TOTAL PROJECTS		\$791,384,110	TOTAL REVENUE SOURCES	\$791,384,110