

Review of FY24/25 Capital Improvements Plan Projects

Date: July 29, 2024
Attention: SCUD
Prepared by: Jacobs Engineering
Copies to:

Jacobs Engineering Group Inc.
200 S Orange Ave., Ste. 900
Orlando, FL 32801

Introduction

Jacobs Engineering Group (Jacobs) is in the process of updating the Utilities Master Plan for Seminole County Utilities Department (SCUD). The update will not be completed until 2025. The County Manager's Office requested that Jacobs review the FY24/25 Capital Improvements Plan (CIP) and provide an opinion of its consistency with the CIP developed in late 2021 by SCUD and Jacobs for the Master Plan¹. The 2021 draft Master Plan contained projects that were projected to be underway in the FY24/25 timeframe.

The following is a summary of the findings of the review of the FY24/25 CIP.

Findings of FY24/25 CIP Review

A comparison was done of the draft Master Plan CIP which was developed approximately 3 years ago. A spreadsheet summary of the CIP review is attached to this memo. Jacobs developed the following findings:

- The current FY24/25 CIP is comprised largely of projects that were included in the 2021 Master Plan draft report.
- There are 12 new projects that were not in the 2021 Master Plan. All of these projects were created to address conditions not known about in 2021, for example a Lockwood Rd. area buried pipe break requiring a new CIP project for pipe replacement. In Jacobs' opinion these projects are valid and will be included in the Master Plan Update to be published next year.
- There are 17 projects in the 2021 Master Plan that were projected to be underway in FY24/25 but have not yet started. Most of these projects are related to redevelopment of the Oxford Rd. and US 17/92 area which has not proceeded on the schedule that was anticipated 3 years ago. All of these projects are still in the FY24/25 CIP even though the schedule for the redevelopment project is uncertain.
- Of the \$95 million in the CIP, approximately \$30 million is reported to be encumbered and \$65 million is not encumbered. SCUD is in the process of preparing a Budget Amendment Request which will include removing an estimated \$11 million in funds no longer needed.

In summary, the FY24/25 CIP is in alignment with project needs contained in the draft Master Plan Update. As part of the on-going Master Plan Update project, the CIP will be further refined, adjusted, and modified to align with the projected needs over the FY25/26 to FY44/45 planning period.

¹JEG did not review the project cost estimates, schedules, or progress status in the FY24/25 CIP.

Attachment			
DRAFT - Review of FY24/25 Capital Improvements Plan Projects			
CIP Title	Is Project in 2023 Master Plan Update Draft Report (Yes/No)?	If Not in Master Plan Draft, Will Project be Added to Master Plan CIP (Yes/No)?	Notes
17-92 Utility Relocations	Yes	NA	Project complete.
17-92/PRIARIE LAKE UTILITY ADJ	Yes	NA	In design phase.
APPLE VALLEY DISTRIBUTION IMPR	Yes	NA	design not started.
APPLE VALLEY WTP DEMOLITION	Yes	NA	Project complete.
CAPITALIZED LABOR PROJECT	Yes	NA	On-going annual funds allocation.
CARRILTON UTILITY MODIFICATIONS	No	Yes	In study phase.
Chemical Tank R&R	No	Yes	FY25 project.
COLLECTIONS IMP SEPTIC TO SEWE	No	Yes	Awaiting direction from BCC.
COLLECTIONS IMPROVEMENTS - KEW	No	Yes	In design phase, reroute gravity main to serve Oxford Rd.
Conversion of Jumpered System - Devon Green	Yes	NA	Not started.
Conversion of Jumpered System - Queens Club	Yes	NA	Not started.
Conversion of Jumpered System - Reserve at Alaqua	Yes	NA	Not started.
Conversion of Jumpered System - Turnberry	Yes	NA	Not started.
COUNTRY CLUB HEIGHT GRAV MAIN	Yes	NA	In construction phase, problems with contractor, bond called in.
COUNTRY CLUB WTP CANOPIES	Yes	NA	Not started, move to FY27.
COUNTRY CLUB WTP R&R	Yes	NA	In construction phase, includes new chlorine injection station.
COUNTRY CLUB WTP R&R	Yes	NA	Included in above line item.
CC WTP Ozone Improvements	No	Yes	FY26 project.
COUNTRY ROAD LOOP WM	No	Yes	
			CFWI Rule on MFL and CUP anticipated to come out in Late FY25. CUP renewal permitting and incorporation of new regulations anticipated to utilize funds in FY26; current encumbrances to carryforward.
CUP CONSOLIDATION	Yes	NA	
DRUID HILLS DISTRIBUTION UPGRA	Yes	NA	Project complete.
DRUID HILLS WTP DEMOLITION	Yes	NA	Project complete.
Fire Hydrant R&R FY25/26	Yes	NA	Not started.
FM & ARV Improvements FY25/26	Yes	NA	Not started.
FM & ARV Improvements FY26/27	Yes	NA	Not started.
FM & ARV Improvements FY28/29	Yes	NA	Not started.
Force Main - PS - NE005 to Greenwood Lakes	Yes	NA	Not started.
Force Main, Gravity Sewer and Manhole Condition Assess	Yes	NA	Not started.
GWL Elevated Headworks and R&R	Yes	NA	In design phase.
GWL WRF Generator Replacement	No	Yes	FY25 project.
GWL WRF Improvements	No	Yes	Fund for WRF capacity expansion.
GWL WRF R&R	Yes	NA	Carollo design complete, may add Carollo SCADA mods.
GWL WTP DEMOLITION	Yes	NA	In design phase.
GWL WTP DEMOLITION	Yes	NA	Included in above line item.
Hampton Master Upgrade	No	Yes	In design phase.
HEATHROW WTP DEMOLITION	Yes	NA	In design phase.
HIGHLAND PINES UTIL UPGRADE-PV	Yes	NA	Design complete.
HIGHLAND PINES UTILITIES UPGRA	Yes	NA	In design phase, is a sewer lining project.
HOLISTIC WATER POLICY	No	Yes	Report complete, BCC workshop in September 2024.
HYDRAULIC MODEL UPDATE	Yes	NA	In design phase, includes JEG and CHA.
INDIAN HILLS WTP R&R	Yes	NA	Design not started.
INTERCONNECT IMPROVEMENTS	No	Yes	Design not started. For UCF wastewater interconnect.
IRON BRIDGE AGREEMENT	Yes	NA	CIP share for Seminole County.
IRON BRIDGE FLOW METER	No	Yes	In design phase.
LAKE BRANTLEY WTP DEMOLITION	Yes	NA	Project complete.
LAKE HARRIET WTP DEMOLITION	Yes	NA	Project complete.
LAKE HAYES WTP DEMOLITION	Yes	NA	In construction bid phase.
LAKE MONROE WTP DEMOLITION	Yes	NA	In design phase.
LAKE MONROE WTP DEMOLITION	Yes	NA	In design phase.
LAKE MONROE WTP DEMOLITION	Yes	NA	In design phase.
LEAD SERVICE LINE - SRF 49%	No	Yes	Not started.
LEAD SERVICE LINE - SRF 51%	No	Yes	Not started.
LOCKWOOD BLVD PIPE REPLACEMENT	No	Yes	Phase 2 in design, Phase 1 was emergency repair.
LYNWOOD WTP R&R	Yes	NA	Allowance, project not started.
MARKHAM WTP R&R	Yes	NA	In design phase, ozone improvements.
MCCULLOCH RD RECLAIM LINE REP	No	Yes	Project complete.
MEREDITH MANOR DISTRIBUTION PI	Yes	NA	Project complete.
MINOR ROADS UTIL REL-PW	Yes	NA	Allowance, FY25 has Public Works drainage project.
MINOR ROADS UTIL REL-WW	Yes	NA	Allowance.
MRK WTP Ozone Improvements	No	Yes	FY25 project.
NE-NW RW SYSTEM OPTIMIZATION	Yes	NA	In design phase.
NWSA DBP FORMATION/4-LOG EVAL	Yes	NA	No longer needed, will remove.
ORANGE BLVD UTIL ADJ (SCPW)	Yes	NA	In design phase.
OVERSIZING & EXTENSION-PW	Yes	NA	Allowance for developer driven projects.
OVERSIZING & EXTENSION-WW	Yes	NA	Allowance for developer driven projects.
OXFORD RD PW IMPR (SCPW)	Yes	NA	In construction bid phase.
PS GENERATOR IMP PROGRAM	Yes	NA	Project complete.
PUMP STATION UPGRADES	Yes	NA	In design phase.
RECHARGE FEASIBILITY STUDY	Yes	NA	Design not started.
RECLAIMED WATER SYSTEM IMP	Yes	NA	Allowance, project not started.
REGIONAL WATER SUPPLY PLANNING	Yes	NA	Allowance.
REGULATORY COMPLIANCE SUPPORT	Yes	NA	Allowance.
REPLACEMENT OF PS 291	Yes	NA	In design phase.
RINEHART RD FM VALVES & METER	Yes	NA	In design phase.
SCADA AND SECURITY SYSTEMS IMP	Yes	NA	In design phase.
SCADA Controller Improvement	No	Yes	FY25 project.
SECURITY IMPRMT VULNERABILITY	Yes	NA	Allowance, AWIA risk assessment.
SEPTIC TO SEWER - WEKIVA MATCH	No	Yes	On hold, awaiting BCC direction.
SER WRF Generator Replacement	No	Yes	FY25 project.
SER WTP - LOX TANK	Yes	NA	Project complete.
SER WTP FLUORIDE SYSTEM	No	NA	Project complete.
SER WTP OZONE SIDESTREAM	Yes	NA	Project complete.
SER WTP R&R	No	Yes	FY25 project.
SLAVIA RD RELOCATION	Yes	NA	In design phase.
SSNOCWTA I&I FUNDS	Yes	NA	Allowance. May fund I/I study.
St Johns Apts Water & Sewer	No	Yes	FY25 project.
STORAGE TANK R&R	No	Yes	Allowance.
TMT FAC PROCESS CONTROL ANALYZ	No	Yes	No longer needed, will remove.
UTILITIES MASTER PLAN	Yes	NA	Underway, complete in 2025.
UTILITY RELOCATES ROLLING HILL	No	Yes	In design phase.
UTILITIES FACILITY ADMIN EXPAN	Yes	NA	Allowance for trailer procurement at Yankee Lake.
WATER DISTRIBUT SYSTEM REHAB B&R	Yes	NA	Allowance for hydrants, misc. small main replacement.
WATER SYSTEM AUDIT AND LEAK DE	Yes	NA	Work order being processed for 2022 and 2023 audit.
WEKIVA PARKWAY UTILITY RELOCAT	Yes	NA	Project complete.
WELL DEEPEN FEASIBILITY SER 3	Yes	NA	On hold.
WRF IMPROVE / PERMIT RENEWAL	Yes	NA	Project complete.
WTP PROCESS IMPROVEMENTS	No	Yes	Allowance.
WW COLLECTION R&R	Yes	NA	Part for I/I study, WW Collection action plan, ARV R&R first round (~\$600k), MH rehab.
YANKEE LAKE SURFACE WTP R&R	Yes	NA	Allowance.
YANKEE LAKE WRF R&R	Yes	NA	In construction phase.
YKL SWTP TREATMENT OPTIMIZATIO	No	Yes	In study phase.
YKL WRF Generator Replacement	No	Yes	FY25 project.

COST TABLE WITH PROJECT STATUS

PROJECT STATUS	LIFE TO DATE EXPENDITURES (1)	FY24 CURRENT BUDGET	PROPOSED BAR 24-070	FY24 AMENDED BUDGET
EXPENDITURE				
ADDITIONAL FUNDING NEEDED TO COMPLETE PROJECT				
00021716 OVERSIZING & EXTENSION-WW	33,479	150,000	50,000	200,000
00040302 CAPITALIZED LABOR PROJECT		700,000	450,000	1,150,000
00056606 LAKE MONROE WTP DEMOLITION	93,284	206,716	165,000	371,716
00082924 PUMP STATION UPGRADES	5,292,180	3,340,933	850,000	4,190,933
00083116 WW COLLECTION R&R	1,113,442	1,389,692	300,000	1,689,692
00178304 COUNTRY CLUB WTP R&R	-	500,000	200,000	700,000
00203211 SECURITY IMPRMT VULNERABILITY	339,515	13,356	250,000	263,356
00283005 NE-NW RW SYSTEM OPTIMIZATION	98,574	301,651	50,000	351,651
02208026 RINEHART RD FM VALVES & METER	24,496	1,385,504	400,000	1,785,504
02208027 REPLACEMENT OF PS 291	-	2,150,000	250,000	2,400,000
02208037 STORAGE TANK R&R	-	619,000	350,000	969,000
02308022 WRF IMPROVE / PERMIT RENEWAL	111,121	188,879	200,000	388,879
02308027 LOCKWOOD BLVD PIPE REPLACEMENT	1,364,674	1,635,326	850,000	2,485,326
02408019 YANKEE LAKE ADMN FLOOR & PAINT	-	80,000	70,000	150,000
NEW PROJECTS				
02208004 VACTOR 49065	-	-	25,150	25,150
02208005 VACTOR 51991	-	-	55,150	55,150
02408041 SER WTP R&R	-	-	350,000	350,000
COMPLETED PROJECTS				
00007202 ELECTRIC VALVE OPERATORS	-	11,000	(11,000)	-
00064565 DRUID HILLS DISTRIBUTION UPGRA	2,422,590	2,213,430	(2,205,904)	7,526
00195718 SER WTP OZONE SIDESTREAM	515,498	210,079	(152,885)	57,195
00203311 LAKE HARRIET WTP DEMOLITION	46,351	103,649	(50,249)	53,400
00203313 LAKE BRANTLEY WTP DEMOLITION	63,656	86,344	(32,344)	54,000
00203315 DRUID HILLS WTP DEMOLITION	95,381	284,619	(216,269)	68,350
00203317 APPLE VALLEY WTP DEMOLITION	71,597	166,503	(75,303)	91,200
01900001 EQUIPMENT CANOPIES	-	70,000	(70,000)	-
02108056 YANKEE LAKE CANOPY	-	25,000	(25,000)	-
02208021 OFFICE TRAILER - WS OPS	274,554	13,990	(13,990)	-
02308028 MCCULLOCH RD RECLAIM LINE REP	658,723	76,277	(53,977)	22,300
02408011 F150 EXT CAB 4X4 56442	-	43,735	(6,563)	37,172
02408012 F150 EXT CAB 4X4 56602	-	42,540	(5,368)	37,172
02408015 F250 EXT CAB 4X4 56522	-	60,325	(5,004)	55,321
02408016 GENERATOR 80KW GEN112 WASTEWT	-	108,585	(3,992)	104,593
02408017 TRANSIT CARGO VAN 51942	-	68,000	(6,254)	61,746
02408018 VACTOR SEWER TRUCK 52721	-	537,076	(10,571)	526,505

(1) Excludes current FY24 expenditures.

COST TABLE WITH PROJECT STATUS

PROJECT STATUS	LIFE TO DATE EXPENDITURES (1)	FY24 CURRENT BUDGET	PROPOSED BAR 24-070	FY24 AMENDED BUDGET
DEFERRED PROJECTS				
02208030 RECLAIMED WATER SYSTEM IMP	-	300,000	(300,000)	-
02208034 SER WTP - LOX TANK	268,924	266,076	(250,000)	16,076
02408001 ES BILLING OFFICE RENOVATION	-	200,000	(200,000)	-
02408028 TMT FAC PROCESS CONTROL ANALYZ	-	500,000	(500,000)	-
ACTIVE PROJECTS WITH FUNDS AVAILABLE TO TRANSFER				
00006629 CRITICAL RADIO UPGRADES/REPLAC	18,695	231,305	(181,305)	50,000
00021717 OVERSIZING & EXTENSION-PW	-	150,000	(50,000)	100,000
00056605 LAKE MONROE WTP DEMOLITION	93,284	306,716	(100,000)	206,716
00178303 GWL WTP DEMOLITION	200,798	427,583	(150,000)	277,583
00201103 CUP CONSOLIDATION	782,535	449,904	(351,860)	98,043
00255203 UTILITIES MASTER PLAN	1,491,016	1,317,682	(200,000)	1,117,682
00283004 SSNOCWTA I&I FUNDS	947,198	1,282,561	(953,091)	329,470
02108055 HIGHLAND PINES UTILITIES UPGRADES	296,028	3,710,964	(400,000)	3,310,964
02408038 LEAD SERVICE LINE REDUCTION-SRF	-	1,267,605	(500,000)	767,605
ACTIVE PROJECTS- ADDITIONAL FUNDING MAY BE REQUIRED IN FUTURE				
00064582 APPLE VALLEY DISTRIBUTION IMPR	24,994	2,000,000	(1,500,000)	500,000
02108044 RECHARGE FEASIBILITY STUDY	98,911	4,321,888	(3,900,000)	421,888
02108059 SLAVIA RD RELOCATION	179,010	1,571,028	(1,280,000)	291,028
02208038 REGULATORY COMPLIANCE SUPPORT	25,000	100,000	(100,000)	-
ACCOUNTING ADJUSTMENT				
02208022 REGIONAL WATER SUPPLY PLANNING	-	150,000	(150,000)	-
02408030 COUNTRY CLUB WTP CANOPIES	-	150,000	(150,000)	-
EXPENDITURE Total	17,045,507	35,485,524	(9,295,631)	26,189,893
RESERVES				
4010X W&S FUND RESERVES	-	45,062,692	9,295,631	54,358,323
RESERVES Total	-	45,062,692	9,295,631	54,358,323

(1) Excludes current FY24 expenditures.

2024-R-

BUDGET AMENDMENT REQUEST

BAR# 24-072

TO: Seminole County Board of County Commissioners

FROM: Department of Resource Management

SUBJECT: Budget Amendment Resolution

Dept / Program: UTILITIES/ENGINEERING
Fund(s): WATER & SEWER FUNDS

RM Recommendation	
S.CARRICK	7/30/2024
Budget Analyst	Date
Budget Director	Date
RM Director	Date

PURPOSE: PROJECT ADJUSTMENTS TO FY24 UTILITIES ENGINEERING CAPITAL IMPROVEMENT PLAN.

ACTION: Approval and authorization for the Chairman to execute Budget Amendment Resolution.

In accordance with Section 129.06(2), Florida Statutes, it is recommended that the following accounts in the County budget be adjusted by the amounts set forth herein for the purpose described.

Type	Fund	Business Unit	Object Account	Sub-sidiary	Account Type	Subledger	Long Item No	Amount
Revenue								
Revenue								
Revenue								
Revenue								
Total Sources								-

Expenditure								
Expenditure								
Expenditure								
Expenditure								
Expenditure								
Expenditure								
Expenditure								
Expenditure					SEE ATTACHED			
Expenditure Sub-Total								(9,295,630.73)

Reserve					SEE ATTACHED			
Reserve								
Reserve Sub-Total								9,295,630.73

Total Uses -

BUDGET AMENDMENT RESOLUTION

This Resolution, 2024-R-_____ approving the above requested budget amendment, was adopted at the regular meeting of the Board of County Commissioners of Seminole County, Florida _____ as reflected in the minutes of this meeting.

Attest:

Grant Maloy, Clerk to the Board of County Commissioners

By:

Jay Zembower, Chairman

Date: _____

Date: _____

Entered by the Management and Budget Office

Date: _____

Posted by the County Comptroller's Office

Date: _____

BUDGET AMENDMENT REQUEST
Continued

Type	Fund	Business Unit	Object Account	Sub-sidiary	Account Type	Subledger	Long Item No	Amount
Expenditure	40108	00021716	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	50,000.00
Expenditure	40108	00021717	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	(50,000.00)
Expenditure	40108	00203211	530310		PROFESSIONAL SERVICES		3100380001	250,000.00
Expenditure	40108	00283005	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	50,000.00
Expenditure	40108	00178304	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	200,000.00
Expenditure	40108	02408030	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	(150,000.00)
Expenditure	40108	02408041	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	350,000.00
Expenditure	40108	00195718	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	(152,884.94)
Expenditure	40108	02208034	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	(250,000.00)
Expenditure	40108	02408028	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	(500,000.00)
Expenditure	40108	02208037	530460		REPAIRS & MAINTENANCE		4600380002	350,000.00
Expenditure	40100	00006629	560642	00001	CAPITAL EQUIPMENT		6429999901	(181,305.36)
Expenditure	40100	00007202	560642	00001	CAPITAL EQUIPMENT		6429999901	(11,000.00)
Expenditure	40100	01900001	560642	00001	CAPITAL EQUIPMENT		6429999901	(70,000.00)
Expenditure	40100	02108056	560642	00001	CAPITAL EQUIPMENT		6429999901	(25,000.00)
Expenditure	40100	02208004	560642	00001	CAPITAL EQUIPMENT		6429999901	25,150.00
Expenditure	40100	02208005	560642	00001	CAPITAL EQUIPMENT		6429999901	55,150.00
Expenditure	40100	02208021	560642	00001	CAPITAL EQUIPMENT		6429999901	(13,990.00)
Expenditure	40100	02408001	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	(200,000.00)
Expenditure	40100	02408011	560642	00001	CAPITAL EQUIPMENT		6429999901	(6,562.64)
Expenditure	40100	02408012	560642	00001	CAPITAL EQUIPMENT		6429999901	(5,367.64)
Expenditure	40100	02408015	560642	00001	CAPITAL EQUIPMENT		6429999901	(5,004.15)
Expenditure	40100	02408016	560642	00001	CAPITAL EQUIPMENT		6429999901	(108,585.00)
Expenditure	40100	02408016	560642	00001	CAPITAL EQUIPMENT		6429999901	104,593.00
Expenditure	40100	02408017	560642	00001	CAPITAL EQUIPMENT		6429999901	(6,253.63)
Expenditure	40100	02408018	560642	00001	CAPITAL EQUIPMENT		6429999901	(10,571.47)
Expenditure	40100	02408019	530460		CAPITAL EQUIPMENT		6429999901	70,000.00
Expenditure	40108	02508057	560646	00001	CAPITAL TECHNOLOGY		6469999901	-
Expenditure	40108	00040302	560650	00001	CONSTRUCTION IN PROGRESS		6509999901	450,000.00
Expenditure								

Expenditure Sub-Total (9,295,630.73)

Reserve	40108	999928	599994		RESERVE FOR CAPITAL IMP		9949999901	8,906,883.84
Reserve	40100	999903	599998		RESERVE FOR CONTINGENCIES		9989999901	388,746.89
Reserve								
Reserve								

Reserve Sub-Total 9,295,630.73

Total Uses (0.00)