



COVE Meeting

CITIZENS' CONSTRUCTION OVERSIGHT AND VALUE ENGINEERING

April 18, 2019

COVE Meeting Agenda

Thursday, April 18, 2019 @ 8:00 a.m.
Facilities Services - Building 200
6501 Magic Way, Orlando, Florida 32809

- I. Call to Order and Approval of March COVE Meeting Minutes -**
Ksenia Merck, Chairman ----- Pg. 1-5
 - Chairman Comments
- II. Departmental Reports**
 - Project Status Report - Jeff Hart/ Mari Espinal ----- Pg. 6-11
 - Change Order Update - Ed Ames ----- Pg. 12-16
 - Capital Renewal Update - Rory Salimbene ----- Pg. 17-25
- III. Presentations/Reports**
 - Geotechnical Process - Gabi Stephan/Basem Ghneim
- IV. Discussion and Adjournment**
 - The next COVE Meeting will held on May 16, 2019.

COVE MEETING MINUTES



The Construction Oversight and Value Engineering Committee (COVE) monthly meeting convened on Thursday, March 21, 2019 at 8:06 a.m., at Facilities Services, 6501 Magic Way, Bldg. 200, Orlando, Florida 32809.

COVE Members in Attendance: Ksenia Merck, Pat Knipe, James Knapp, Stuart Kramer and Douglas Kelly.

OCPS Staff in Attendance: John Morris, Judith Padres, Dale Kelly, Jeff Hart, Mari Espinal, Mike Winter, Alva Johnson, Rocco Williams, Ed Ames, Toni Greene, Basem Ghneim, Bill Terry, Catherine Sullivan, Joycelyn Henson, Aaron Smith, Lauren Roth, Rory Salimbene, Mark O'Connor and Mariangeles Garcia (as scribe).

Call to Order:

A quorum was established and Chairman Ksenia Merck called the meeting to order at 8:03 a.m.

Approval of Minutes

The minutes from February 21, 2019 were presented and approved by the committee with the following comments:

Douglas Kelly noted the following revisions on page two (2) of the minutes: (i) remove the first "are" from the third bullet; (ii) add "a" before Pine Hills Transportation change order on the first bullet; (iii) Ernesto's last name is missing under "Questions/Comments" from the second bullet; and (iv) add "the" before "design builder" in the same bullet.

Jeff Hart indicated that the following changes need to be made to his sub-heading of the "Project Status" section of the minutes: (i) add "partial phase" before substantial completion on the last bullet; and (ii) in the first bullet on page three (3), add the District is currently using thermoplastic single-ply membrane roof, which has a lifespan of 20-30 years, and shingle roofing only where there is an existing shingle roof, which has a lifespan of 15-20 years.

Departmental Reports

➤ **Project Status**

Mari Espinal reported that there have been no changes to the Planning and Design phase. The adopted budget and estimated construction costs remain the same. Southwest Middle School has moved to the Construction phase. The estimated cost of completion for all projects in the Closeout phase have increased by \$18,000.00.

Douglas Kelly requested an explanation on the radio enhancement projects added to most schools. Jeff Hart explained that at the conclusion of a project we had

evaluate and verify the coverage of the radio system to ensure there is continuous coverage for our first responders.

Ksenia Merck requested a status discussion regarding the Closeout delays.

Jeff Hart presented various aerials of projects under construction and identified the different components, including the cafeteria and media centers, bus loops, parent drop off areas and play fields/athletic facilities.

Douglas Kelly asked why the retention ponds were divided in Castlevue Elementary. Jeff Hart explained that on that particular site, the ponds were likely divided because of the area being available within the bus loop for retention, where some cases it is not. Depending of the needs for retention, sometimes a dry retention pond is feasible, which in some cases, allows the space to be utilized by the school for supplemental parking.

Douglas Kelly asked why OCPS would demolish an existing building instead of re-purposing it. Jeff Hart explained that due to the building age and condition, as well as, the cost of re-purposing or conducting a comprehensive renovation of an existing building may be higher than replacing it.

Ksenia Merck asked if a closeout manager was hired as suggested during a previous COVE meeting. Jeff Hart indicated that a closeout manager has been hired by the PM Team under Krista McArthur's leadership to help support the process of closeout.

Action Item: Geotechnical presentation planned for next month.

➤ **M/WBE Update**

Joycelyn Henson Provided an update of the minority participation of MWBEs, LDBs and VBEs for the Construction and Professional Services.

Pat Knipe inquired about the attendance of the meetings her team organizes. Joycelyn Henson indicated that the turnout is about 20-50 people for small events and about 75-100 for larger events with the collaboration of others such as Seminole County College and UCF.

Douglas Kelly asked how many of these attendees actually become bidders. Joycelyn Henson stated that roughly one out of ten people will submit an application and one out of twenty people will have an opportunity.

Douglas Kelly questioned the declining rate from introduction to submission. Joycelyn Henson thought it was due to lack of capacity. Sometimes when a company is brought in, either the opportunity passes or they are overwhelmed with the paperwork.

Ksenia Merck asked for clarification on the certifications of MWBEs as she thought they were reciprocal to sister agencies. Joycelyn Henson indicated they accept

other agencies certifications (State, Orange County & City of Orlando) but do not certify MWBE's.

Ksenia Merck suggested for small projects: track past projects and established a rationale for any new adjusted percent requirements.

➤ **Change Order Reports**

Ed Ames indicated there are no significant change orders or amendments to report for the month of January.

➤ **Capital Renewal Update**

Rory Salimbene pointed out there are currently a total of 46 projects occurring at 39 sites with an approximate total cost of \$202 million. This is five more projects since last report. We added six new projects and closed one project.

James Knapp asked if the department can produce a report showing the cash flow for the capital renewal projects. Rory Salimbene referred the request to Judith Padres who indicated that a report can be incorporated on a monthly basis.

Presentations

Communications Update

Lauren Roth provided information about a program designed to improve the curb appeal of schools and facilities selected by School Board members. The presentation included pictures of various sites that hosted the program over the past year as well as those scheduled in the future.

Pat Knipe asked about the funding source for these projects. Lauren Roth explained that funding for curb appeal was provided in July by the Board for this school year and was also provided the prior year.

Pat Knipe asked what is the typical cost for the projects? Lauren Roth said that usually a few thousand dollars are spent depending on the project with some schools as low as one thousand. Mr. Morris added the total project budget is approximately \$155,000 districtwide out of the general fund. Lauren continued to explain that the largest amount spent for these projects is for irrigation to repair broken pipes or extend existing irrigation.

Prototypes and Design Guidelines

Catherine Sullivan Presented an overview of recent changes to prototypes, benefits of prototypes, making modifications to prototypes, the CP205 process and updates and the design guidelines.

Pat Knipe asked who is on the committee reviewing CP205 requests and how many members does it have. Catherine Sullivan explained that the committee is made up of the District Chiefs. Mr. Morris indicated the committee includes five voting members and mentioned some of the members including, himself, Dr. Bridget Williams, Dr. Maria Vazquez, Dale Kelly, and Roberto Pacheco

Douglas Kelly asked if the technology used in the HVAC bi-polar ionization systems has been proven or tested. Catherine Sullivan responded yes. Jeff Hart continued by explaining that before this system was implemented by OCPS, it was a proven approach for achieving better indoor air quality and the team obtained information from UCF regarding their use of the system in their facilities, including the arena. This change was implemented a couple years ago.

Douglas Kelly asked if the team had knowledge of the return on investment or the life cycle for these systems. Jeff Hart explained that the system is a fairly simple install at each air handler unit, and the cost is approximately \$1,500.00 to \$2,000.00 per unit.

Ksenia Merck asked for the definition of the term “tenants” as referenced during the presentation of the metering systems. Catherine Sullivan explained the term “tenant” is used for people renting the facilities.

Ksenia Merck requested to make the presentation available for COVE members that were unable to attend the meeting. She also mentioned that the Committee will debate whether or not a separate session will be required to discuss the changes in 2019.

Facilities Conditions Assessments Update

Basem Ghneim and Bill Terry presented an update on the Facilities Conditions Assessment (FCA) of the District’s inventory which includes 227 facilities and 32 million GSF. They explained a grouping structure was used to organize district-wide facilities and a priority structure was used to describe the level of importance of a system with regard to maintaining safe, efficient school operations.

Explained the seven capital program elements and highlighted the three that are directly tied to the costs and timeline in the facilities condition assessment (FCA) database (Capital Renewal, Pre-2003 Sales Tax Facilities and Repurposed Facilities).

The FCA database is comprised of an inventory structure and life cycle models for forecasting cost and time to replace systems and subsystems.

Results of the 2018 FCA database refresh included updated life cycle models, collection of field data for select facilities, capturing improvements since the 2013 assessment, and merging legacy data (from 2013) and new data.

Explained the basis of cost projections, including the escalation of forecasted future costs. Summarized the 10-year projections for the capital program from FY20 through FY29.

Douglas Kelly asked if the District is looking at the maintenance history to access the needs when conducting the facilities assessments. Bill Terry and Basem Ghneim explained that interviews and meetings with maintenance and school personnel are conducted and taken into consideration when making a decision to repair or replace a system. The decision is based on both not only by age or data but the combination of the

two.

Ksenia Merck asked what is the difference between our 2018 RS Means and the local cost index? Bill Terry indicated that the costs from OCPS historical data are greater than that of RS Means by 10-15% after the application of the RS Means location factor.

Ksenia Merck asked if security mandates will need a contingency fund for unforeseen costs and how we are addressing it. Basem indicated we have not captured that yet. The assessment is updated once a year consistent with the budget cycle. This assessment is identifying the needs as they are today, and as we know more, we will adjust it and look for the reserves outside of this formula to be able to fund the need.

Ksenia Merck requested a report on what the school projections were from five years ago compared to what they are today to be able to appreciate the progress and accomplishments of the team. Basem responded that we have the information and pointed out that three years ago the relief portion of the program spiked and the team focused on that portion of the program versus capital renewal and therefore, capital renewal did not achieve as much as we had originally planned.

COVE Members discussed the need to re-valuate the formula for funding Capital Renewal Projects.

Adjournment

OCPS Board Facilities Presentation will be held on April 16, 2019 at 4:30pm.

There being no further business the meeting was adjourned at 10:36 a.m.

The next meeting will be held on Thursday, April 18, 2019, at 8 a.m., at Facilities Services, 6501 Magic Way, Bldg. 200, Orlando, FL 32809.

Minutes Authenticated by:

Ksenia Merck
Chairman COVE Committee

Date of approval

Laura L. Kelly
Legal Services Facilities

Date of approval



PROJECT STATUS SUMMARY REPORT
NEW AND REPLACEMENT SCHOOLS
April 18, 2019

Funding Source	Priority #	School Name	F1 Original 2019 Board Adopted Budget	F2 Adopted Budget Changes	F3 Current Board Adopted Budget	Estimated Cost At Completion	Variance	GMP Amount	F4 Construction Change Orders		F5 ODP Change Orders		Approved Construction		F6 Number of Days Past Substantial Completion (Close-out)	Contract Type	CM / GC Firm	AE Firm				
									Amount	#	Deducts	#	NTP Construct	Contract Subst. Com								
Budget																			Schedule		Contracting	
PLANNING PHASE																						
Impact		Site 118-E-SW-5	24,290,000	-	24,290,000	24,290,000																
Sales Tax	134	Site 73-T-W-7 (OTC Westside Campus)	36,500,000	-	36,500,000	36,500,000																
Sales Tax	135	OTC Winter Park Campus	30,800,000	-	30,800,000	30,800,000																
		Sub Total	91,590,000	-	91,590,000	91,590,000																
DESIGN PHASE																						
Impact	New	Site 20-E-SW-4	24,290,000	-	24,290,000	24,290,000																
Impact	New	Site 80-H-SW-4	115,040,000	-	115,040,000	115,040,000																
Impact	New	Site 83-E-SE-3	24,290,000	-	24,290,000	24,290,000																
Impact	New	Site 85-E-W-4	24,290,000	-	24,290,000	24,290,000																
Impact	New	Site 113-H-W-4	115,040,000	-	115,040,000	115,040,000																
Sales Tax		Magnolia School and Behavior Center	45,000,000	-	45,000,000	45,000,000																
Sales Tax	128	Pinar ES	19,000,000	-	19,000,000	19,000,000																
Sales Tax	121	Rolling Hills ES	20,100,000	-	20,100,000	20,100,000																
Sales Tax	125	Winegard ES	21,400,000	-	21,400,000	21,400,000																
		Sub Total	408,450,000	-	408,450,000	408,450,000																
CONSTRUCTION PHASE																						
Impact	New	Castlevue ES (Site 25-E-SW-4)	23,300,000	-	23,300,000	23,063,000	237,000	18,515,591	33,169	1	(4,890,018)	2	6/1/2018	5/3/2019		GMP	CPPI	BRPH				
Impact	New	Water Spring ES (Site 49-E-W-4)	23,260,000	-	23,260,000	22,797,000	463,000	18,048,328	152,813	2	(4,880,087)	2	6/1/2018	6/24/2019		GMP	Welbro	Schenkel				
Impact	New	Horizon West MS (Site 37-M-SW-4)	38,614,000	-	38,614,000	38,372,000	242,000	30,366,051	-	2	(8,591,513)	2	2/23/2018	07/01/2019		GMP	Wharton	Harvard Jolly				
Sales Tax		Boone HS (Auditorium, gym, cafeteria)	31,000,000	-	31,000,000	31,000,000	-	12,006,991			(2,921,487)	2	6/20/2018	06/24/2019		GMP	Williams Co	Schenkel				
Sales Tax		Colonial HS (Auditorium)	17,000,000	-	17,000,000	17,000,000	-	13,836,772	49,611	1	(3,459,193)	2	6/8/2018	07/31/2019		GMP	Gilbane	Schenkel				
Sales Tax	119	Deerwood ES	22,361,000	-	22,361,000	22,361,000	-	18,690,486	58,251	1	(4,672,621)	1	6/1/2018	10/15/2019		GMP	Pirtle	Schenkel				
Sales Tax	120	Pershing School (Site 208-K8-SE-3)	39,007,000	-	39,007,000	39,007,000	-	29,563,321	189,868	5	(7,322,440)	1	2/23/2018	6/3/2019		GMP	Williams Co	Zyschovich				
CIT	New	Pine Hills Transportation	31,000,000	-	31,000,000	31,000,000	-	21,742,090	776,267	6	(5,177,553)	2	9/21/2017	11/19/2018		GMP	Ajax	BRPH				
		Sub Total	225,542,000	-	225,542,000	224,600,000	942,000	162,769,630	1,259,979	18	(41,914,913)	14										
CLOSE OUT PHASE																						
Impact	New	Audubon Park School (Site 133-K8-E-6)	39,043,000	-	39,043,000	39,043,000	-	31,003,724	15,151	2	(8,502,182)	3	3/17/2017	7/24/2018	268	GMP	Welbro	Baker Barrios				
Impact	Relief	Timber Springs MS (Site 21-M-E-2)	36,998,000	-	36,998,000	36,998,000	-	30,047,858	(175,273)	4	(7,843,625)	3	2/1/2016	6/23/2017	664	GMP	Pirtle	Hunton Brady				
Sales Tax	124	Frangus ES	23,470,000	-	23,470,000	23,085,000	385,000	18,622,711	156,472	3	(4,580,721)	1	7/25/2017	10/30/2018	170	GMP	Williams Co	BRPH				
Sales Tax	130	Hidden Oaks ES	19,056,000	-	19,056,000	19,056,000	-	14,608,038	170,273	3	(3,630,193)	2	7/24/2017	09/18/2018	212	GMP	CORE	Harvard Jolly				
Sales Tax	129	Hungerford ES	22,522,000	-	22,522,000	22,522,000	-	14,723,364	74,062	3	(3,684,500)	1	7/27/2017	10/30/2018	170	GMP	Gilbane	Schenkel				
Sales Tax	New	Lake Como School (Site 205-K8-SW-6)	37,810,000	-	37,810,000	37,810,000	-	30,108,765	181,858	3	(7,359,254)	2	2/7/2017	6/19/2018	303	GMP	Williams Co	Harvard Jolly				
Sales Tax	127	Maxey ES (Site 207-E-W-7)	17,790,000	-	17,790,000	17,600,000	190,000	14,609,699	(271,741)	5	(3,508,718)	2	7/17/2017	7/17/2018	275	GMP	Clancy & Theys	Schenkel				
Sales Tax	New	OCPS ACE (PS8 Site 131-PS8-SW-5)	61,103,000	-	61,103,000	61,103,000	-	51,499,557	243,050	7	(13,294,657)	2	4/16/2015	8/7/2017	619	GMP	Williams Co	Baker Barrios				
Sales Tax	106	Pine Hills ES	21,634,000	-	21,634,000	21,634,000	-	17,489,097	45,316	1	(4,028,915)	2	7/20/2017	7/26/2018	266	GMP	Pirtle	BRPH				
Sales Tax	123	Ventura ES Replacement	24,711,000	-	24,711,000	24,711,000	-	18,338,709	52,538	12	(3,888,544)	2	10/1/2015	10/10/2017	555	GMP	Turner	Schenkel				
		Sub Total	304,137,000	-	304,137,000	303,562,000	575,000	241,051,522	491,704	43	(60,321,309)	20										
Grand Total			1,029,719,000	-	1,029,719,000	1,028,202,000	1,517,000	403,821,151	1,751,683	61	(102,236,221)	34										

Footnotes

- F1 - Reflects figure from the 10yr Capital Budget dated September 11, 2018.
- F2 - Reflects changes to the FY 2019 board adopted budget.
- F3- Amount comprised of prior year expenditures, current and future planned funding (Summary Budget FY 2019). There are no land costs included.
- F4 - Reflects total number of change orders and cumulative change order amount. Does not include ODP deductive and reconciliation change orders.
- F5 - Reflects the total amount and number of ODP deductive and reconciliation change orders to date.
- F6 - Reflects number of days beyond substantial completion. See justification below under Close Out Delays.

Close Out Delays

- Audubon Park School** – CFI delayed due to completion of punch list activities, receipt of warranty certificates and O&M manuals, receipt of as-built documents, reconciliation of final project costs and upgrade of the public safety radio distribution system.
- Frangus ES** – CFI delayed due to completion of punch list activities, receipt of warranty certificates, completion of record documents and as-builts, processing bill of sale documents for offsite improvements, reconciliation of final project costs and upgrade of the public safety radio distribution system.
- Hidden Oaks ES** – CFI delayed due to completion of punch list activities, reconciliation of final project costs and upgrade of the public safety radio distribution system.
- Hungerford ES** – CFI delayed due to completion of punch list activities, receipt of warranty certificates, receipt of as-built and record documents, processing bill of sale documents for offsite improvements, reconciliation of final project costs and upgrade of the public safety radio distribution system.
- Lake Como School** – CFI delayed due to reconciliation of final project costs and upgrade of the public safety radio distribution system.
- Maxey ES** - CFI awaits upgrade of the public safety radio distribution system.
- Timber Springs MS** – CFI delayed due to corrective work required to be performed on the soccer field which was not discovered until post substantial completion and upgrade of the public safety radio distribution system.
- OCPS ACE** - CFI delayed due to corrective work required to be performed on the soccer field which was not discovered until post substantial completion and upgrade of the public safety radio distribution system.
- Pine Hills ES** - CFI delayed due to reconciliation of final project costs and upgrade of the public safety radio distribution system.
- Ventura ES** – CFI delayed due to reconciliation of final project costs and time impacts and upgrade to the public safety radio distribution system.

Other

Boone HS: GMP amount represents the sum of the Auditorium and Generator Packages.



PROJECT STATUS SUMMARY REPORT

COMPREHENSIVE SCHOOLS

April 18, 2019

Funding Source	Priority #	School Name	F1 Original 2019 Board Adopted Budget	F2 Adopted Budget Changes	F3 Current Board Adopted Budget	Estimated Cost At Completion	Variance	GMP Amount	F4 Construction Change Orders		F5 ODP Change Orders		Approved Construction		F6 Number of Days Past Substantial (Close-out)	Contract Type	CM / GC Firm	AE Firm	
									Amount	#	Deducts	#	NTP Construct	Contract Subst. Com					
Budget													Schedule		Contracting				
PLANNING PHASE																			
Sales Tax	133	OTC Mid-Florida Campus	81,600,000	-	81,600,000	81,600,000													
Sales Tax	136	OTC Orlando Campus	25,000,000	-	25,000,000	25,000,000													
		Sub Total	106,600,000	\$0	\$106,600,000	\$106,600,000													
DESIGN PHASE																			
Sales Tax	65	Acceleration West	14,000,000	-	14,000,000	14,000,000													
Sales Tax	132	Meadow Woods MS	25,204,000	-	25,204,000	25,204,000													
		Sub Total	39,204,000	-	\$39,204,000	\$39,204,000													
CONSTRUCTION PHASE																			
Sales Tax	100	Corner Lake MS	21,151,000	-	21,151,000	20,979,000	172,000	13,851,636			(3,462,909)	1	3/9/2018	7/26/2019		GMP	Wharton	C.T. Hsu	
Sales Tax	118	Lake Gem ES	17,317,000	-	17,317,000	16,737,000	580,000	11,125,623	90,000	1	(2,110,329)	1	6/20/2018	8/1/2019		GMP	Wharton	Hunton Brady	
Sales Tax	111	Lake George ES	13,381,000	-	13,381,000	13,381,000	-	8,699,086			(2,174,772)	1	6/20/2018	7/26/2019		GMP	CORE	Hunton Brady	
Sales Tax	108	Southwest MS	25,204,000	-	25,204,000	24,844,000	360,000	15,899,687					2/15/2019	7/27/2020		GMP	Walker	C.T. Hsu	
Sales Tax	116	Sunrise ES	13,186,000	-	13,186,000	13,186,000	-	8,786,527			(2,196,632)	1	6/20/2018	7/26/2019		GMP	CORE	Hunton Brady	
		Sub Total	90,239,000	\$0	\$90,239,000	\$89,127,000	1,112,000	\$58,362,559	90,000	1	(9,944,641)	4							
Actual																			
CLOSE OUT PHASE																			
Sales Tax	92	Dover Shores ES (Jackson MS)	22,150,000	-	22,150,000	21,968,000	182,000	18,029,283	99,058	3	(3,827,740)	3	7/18/2017	12/7/2018	132	GMP	CPPI	Rhodes & Brito	
Sales Tax	93	Sally Ride ES	20,448,000	-	20,448,000	20,255,000	193,000	15,663,493	279,033	3	(3,916,000)	1	7/17/2017	10/23/2018	177	GMP	Charles Perry	Song & Assoc	
Sales Tax	105	Union Park ES	19,950,000	-	19,950,000	19,950,000	-	16,317,570	105,022	2	(3,195,456)	2	7/27/2017	10/26/2018	174	GMP	Pirtle	Zyscovich	
		Sub Total	62,548,000	\$0	\$62,548,000	\$62,173,000	\$375,000	50,010,346	483,112	8	(10,939,196)	6							
Grand Total			298,591,000	-	298,591,000	\$297,104,000	\$1,487,000	108,372,905	573,112	9	(20,883,837)	10							

Footnotes

- F1 - Reflects figure from the 10yr Capital Budget dated September 11, 2018.
- F2 - Reflects changes to the FY 2019 board adopted budget.
- F3- Figure comprised of prior year expenditures, current and future planned funding (Adopted Summary Budget FY 2019). There are no land costs included.
- F4 - Reflects total number of change orders and cumulative change order amount. Does not include ODP deductive and reconciliation change orders.
- F5 - Reflects the total amount and number of ODP deductive and reconciliation change orders to date.
- F6 - Reflects number of days beyond substantial completion. See justification below under Close Out Delays.

Close Out Delays

Sally Ride ES – CFI delayed due to completion of punch list activities, receipt of warranty certificates and O&M manuals, receipt of as-built and record documents, receipt of the environmental closeout manual, reconciliation of final project costs and upgrade of the public safety radio distribution system.

Union Park ES – CFI delayed due to completion of punch list activities, receipt of warranty certificates and O&M manuals, receipt of as-built and record documents, receipt of the environmental closeout manual, reconciliation of final project costs and upgrade of the public safety radio distribution system.

Construction Update as of April 9, 2019

We continue with **13 projects under construction** amounting to approx. **\$316M**.

5 – Comprehensive = \$90,239,000

- **Corner Lake MS** (Comprehensive Renovation) – NTP was issued on March 9, 2018, and involves four separate phases with an overall substantial completion scheduled for July 26, 2019. The initial phase involving the renovation of the cafeteria/kitchen, gymnasium, band/chorus and play courts/track were completed in August 2018; the second phase involving the renovation of Classroom building 3 was completed on December 14, 2018; and Phase 3 is currently underway renovating classroom building 2 which is expected to be substantially completed by May 30, 2019.
- **Lake Gem ES** (Comprehensive Renovation) – Construction NTP was issued on June 20, 2018, and involves six separate phases including the addition of a twelve classroom building, with an overall substantial completion scheduled for August 1, 2019. The initial phase involving a new Central Energy Plant and a new 12 classroom building was substantially completed on December 20, 2018. The second phase involving the renovation of Classroom Building 5 was substantially completed on February 8, 2019. The third phase involving the renovation of Classroom Building 6 was recently completed on March 22, 2019. And recently commenced with Phase 4 - the renovation of Classroom building 3 which is scheduled for completion this coming May 2019.
- **Lake George ES** (Comprehensive Renovation) – Construction NTP was issued on June 20, 2018, and involves five separate phases with an overall substantial completion scheduled for July 26, 2019. The initial phase involving the renovation of Classroom Building 5 was substantially completed on December 14, 2018. The second phase involving the renovation of Classroom Building 3 was substantially completed on February 8, 2019. The third phase involving the renovation of Classroom Building 6 remains on track for completion by April 12, 2019.
- **Sunrise ES** (Comprehensive/Renovation) – Construction NTP was issued on June 20, 2018, and involves five separate phases with an overall substantial completion scheduled for July 26, 2019. The initial phase involving the renovation of Classroom Building 3 was substantially completed on December 14, 2018. The second phase involving the renovation of Classroom Building 5 was substantially completed on February 7, 2019. The third phase involving the renovation of Classroom Building 6 also remains on scheduled for completion by April 12, 2019.
- **Southwest MS** (Comprehensive Renovation) – NTP was issued on February 15, 2019, and involves five separate phases with an overall substantial completion scheduled for July 27, 2020.

8 - New/Replacements = \$225,542,000

- **Pine Hills Transportation Compound** – a construction NTP was issued on September 21, 2017, for this Design-Build transportation project, with an overall project completion scheduled for November 2018. The project schedule milestones account for multiple phases, with the Bus Parking and Staging areas to have been completed by March 8, 2018, the administration building to be substantially complete in August 2018, the driver’s lounge and parking, along with the maintenance building to be substantially completed in November 2018. Due to unsuitable soils material discoveries, and additional excavation and replacement thereof, the project has experienced extensive time delays and requests for additional compensation, whereby the Design-Builder is now reporting an overall projected substantial completion date of August 2019.
 - Initial phase involving the Bus Parking and Staging areas was substantially completed on December 10, 2018, and the Administration Building was completed on January 8, 2019.
 - The driver’s Lounges and associated parking were recently completed on February 14, 2019; and are now occupied.
 - Based on claims issued by the Design-Builder, additional scope and cost associated with discovered unsuitable soils and debris amount to over \$2M. In addition, additional debris and loose soils have been uncovered at the location for the new fueling island, and are now being addressed.
- **Horizon West Middle School** (Bridgewater area relief) - construction NTP was issued on February 23, 2018, with an overall project substantial completion originally scheduled for May 29, 2019.
 - Due to the delayed start associated with sand skink mitigation measures and gopher tortoise relocations, mobilization for construction was not granted until April 24, 2018, resulting in a 2 month delay. The team worked out an agreement with the CM to mitigate the overall delay to 33 days, with a revised substantial completion date of July 1, 2019.
- **Pershing School** (K8 Replacement) - construction NTP was issued on February 23, 2018, with an overall project substantial completion originally scheduled for May 15, 2019.
 - Due to code required modifications to the fire alarm system to add a voice evacuation component; as well as, delays associated with water supply to the site from OUC, the overall project completion date is now anticipated for Mid-June 2019.
- **Castleview Elementary School** (South of Reams Road area relief) - construction NTP was issued on June 1, 2018, with an overall substantial completion originally scheduled for May 3, 2019.
 - Due to delays associated with receiving the required ROW and E-Permits through Orange County, the building substantial completion has been revised to the end of May 2019, and the site related elements has been extended to mid-June 2019.

- **Water Spring Elementary** (Horizon West/Village H area relief) - construction NTP was issued on June 1, 2018, with an overall substantial completion scheduled for June 24, 2019.
- **Deerwood ES**(Replacement) - construction NTP was issued on June 1, 2018, with a main building substantial completion scheduled for May 31, 2019; and an overall substantial completion scheduled for October 15, 2019.
- **Colonial HS – Auditorium** (Replacement) - construction NTP was issued on June 8, 2018, with an overall substantial completion scheduled for July 31, 2019.
- **Boone HS – Auditorium** (Replacement) - construction NTP was issued on June 20, 2018, with an overall substantial completion scheduled for June 24, 2019.

Since our last report:

- Substantial Completions:
 - **Lake Gem ES** – The third phase involving the renovation of Classroom Building 6 was completed on March 22, 2019, a few days early.

Anticipated future milestones for construction:

- **Sunrise ES** – The third phase involving the renovation of Classroom Building 6 is scheduled to be completed on April 12, 2019.
- **Lake George ES** – The third phase involving the renovation of Classroom Building 6 is scheduled to be completed on April 12, 2019.

Close-out

- We continue with (13) projects in close-out:
 - Timber Springs MS
 - OCPS Academic Center for Excellence (ACE)
 - Ventura ES
 - Audubon Park School*
 - Lake Como School*
 - Maxey ES*
 - Pine Hills ES
 - Hidden Oaks ES
 - Sally Ride ES
 - Union Park ES
 - Frangus ES
 - Hungerford ES
 - Dover Shores ES/Jackson MS Athletic areas and road re-alignment*

Note: It has been decided, a project's CFIs should not be presented to the Board for approval, if a public safety radio frequency assessment has determined that additional measures are warranted.

*Indicates all close-out requirements are complete, other than the Radio Enhancement measures.

Design

- We currently have (12) projects in the design phase:
 - Site 20-E-SW-4
 - Magnolia School and Behavior Center
 - Pinar ES
 - Rolling Hills ES
 - Winegard ES
 - Site 85-E-W-4
 - Site 83-E-SE-3
 - Meadow Woods MS
 - Site 113-H-W-4
 - Site 80-H-SW-4
 - Acceleration West
 - Boone HS Gymnasium

Change Orders Report

Facilities & Construction Contracting
February 2019

There are no significant change orders or amendments to report for the month of February 2019.

Facilities & Construction Contracting

COVE Report for February 2019

CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	CPSC DATE
1	College Park MS	Provide additional architectural and engineering services for studying the existing construction and preparing comments regarding the feasibility of rising the existing roof structure as a structural diaphragm to resist wind loads required by the building code.	MLM-Martin Architects, Inc.	Amendment No. 02 to Work Authorization No. 1301060 for Architectural & Engineering Services RFQ No. 1301PS	\$13,286	Sr. Facilities Executive Director	2/21/19
2	District-Wide	Staffing schedule modification for continuing contract.	Universal Engineering Sciences, Inc.	Amendment No. 02 to Agreement No. 1517CCONUES for Geotechnical, Environmental & Construction Material Testing Services RFQ No. 1517PS	\$0	Sr. Facilities Executive Director	2/14/19
3	Elementary School Site 83-E-SE-3*	Contract modification to update site property identification number from 83-E-SE-2 to 83-E-SE-3 for real property project.	Leading Edge Land Services, Inc.	Amendment No. 01 to Work Authorization No. 1523062 for Surveying Services RFQ No. 1523PS	\$0	Sr. Facilities Executive Director	2/28/19
4	Lake George ES	Additional construction materials testing for foundations associated with the ramps, playground areas, pour backs and marquee sign for comprehensive project.	Geotechnical and Environmental Consultants, Inc.	Amendment No. 01 to Work Authorization No. 1517165 for Construction Material Testing Services RFQ No. 1517PS	\$1,001	Sr. Construction Director	2/28/19
5	Pinar ES	Additional geotechnical services for preliminary design level exploration to determine if soil is suitable for soil filler to balance site for on-site replacement project.	Madrid Engineering Group, Inc.	Amendment No. 01 to Work Authorization No. 1517142 for Geotechnical & Environmental Services RFQ No. 1517PS	\$3,624	Sr. Construction Director	2/14/19
6	Sunrise ES	Additional construction materials testing for foundations associated with marquee sign, playground areas, and ramps for comprehensive project.	Geotechnical and Environmental Consultants, Inc.	Amendment No. 01 to Work Authorization No. 1517166 for Construction Material Testing Services RFQ No. 1517PS	\$1,001	Sr. Construction Director	2/28/19

*Not Funded by Sales Tax or Capital Renewal

Facilities & Construction Contracting

COVE Report for February 2019

CHANGE ORDERS APPROVED								
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	CPSC DATE
1	Colonial HS	Additional piping to connect existing supply and return piping for auditorium building and demolition of music building, on-site replacement project	Gilbane Building Company	Agreement No. 17CM18SCONGILBANE for Construction Management Services RFQ No. 17CM18	CCD No. 01 to GMP 02	\$49,611	John T. Morris, Chief Facilities Officer	2/28/19
2	Deerwood ES Replacement	Removal of an additional 1,641.60 CY of muck and import fill for prototype replacement school project.	James B. Pirtle Construction Company, Inc. d/b/a Pirtle Construction Company	Agreement No. 17CM06SCONPIRTLE for Construction Management Services RFQ No. 17CM06	Change Order No. 02 to GMP AM 01	\$58,251	Superintendent / John T. Morris, Chief Facilities Officer	2/21/19
3	Frangus ES Replacement	Reconciliation of CCD No. 01 (\$70,000 and 43-days time extension) for water line revisions and additional 10-days for Phase 1B (new multi-story prototype school building construction) due to water/sewer redesign and permitting (scope requirement). Additional cost (\$23,698.61) associated with sanitary line between structures revisions, and storm structure addition near bus loop aluminum canopy for additional 7-days for total of 60-days for new school replacement project.	Williams Company Building Division, Inc.	Agreement No. 16CM17SCONWILLIAMS for Construction Management Services RFQ No. 16CM17	Change Order No. 02 to GMP AM 02	\$93,699	Superintendent / John T. Morris, Chief Facilities Officer	2/21/19
4	Odyssey MS	Estimated Owner Direct Purchase for existing building systems replacement, select renovation and improvement, capital renewal project.	ACY - JCB A Joint Venture, LLC	Agreement No. 15CM24SCONACY-ALBU for Construction Management Services RFQ No. 15CM24	Change Order No. CO 01 to GMP AM 03	(\$457,556)	Behalf of John T. Morris, Chief Facilities Officer	2/28/19
5	Pine Hills ES Replacement	Reconciliation of CCD 01 (\$129,914.96) for moving existing water line that conflicted with sewer line and twenty six (26) days time extension and sanitary video for Temporary Certificate of Occupancy for new school replacement project.	James B. Pirtle Construction Company, Inc. d/b/a Pirtle Construction Company	Agreement No. 16CM18SCONPIRTLE for Construction Management Services RFQ No. 16CM18	Change Order No. 03 to GMP AM 01	\$45,316	John T. Morris, Chief Facilities Officer	2/28/19

Facilities & Construction Contracting

COVE Report for February 2019

CHANGE ORDERS APPROVED								
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	CPSC DATE
6	Pine Hills Transportation *	Removal of uncompressed soils at the fuel island from an area that encompasses perimeter of bearing elements of structure (columns), removal of material required in the vicinity of borings, and replacing soil based on a geotechnical report for comprehensive project.	Ajax Building Corporation	Agreement No. 1510DBSCONAJAX for Design Build Services RFQ No. 1510DB	CCD No. 05 to GMP AM 02	\$144,606	Superintendent / John T. Morris, Chief Facilities Officer	2/7/19
7	Pine Hills Transportation *	Additional estimated Owner Direct Purchases for comprehensive project.	Ajax Building Corporation	Agreement No. 1510DBSCONAJAX for Design Build Services RFQ No. 1510DB	Change Order No. 03 to GMP AM 02	(\$683,787)	John T. Morris, Chief Facilities Officer	2/7/19
8	Union Park ES	Final reconciliation Owner Direct Purchase for comprehensive project.	James B. Pirtle Construction Company, Inc. d/b/a Pirtle Construction Company	Agreement No. 16CM10SCONPIRTLE for Construction Management Services RFQ No. 16CM10	Change Order No. 04 to GMP AM 01	\$883,937	John T. Morris, Chief Facilities Officer	2/21/19
9	Ventura ES Replacement	Reconciliation of CCD (\$175,000.00) for installation of moisture barrier for vinyl composition tile and carpet on the first floor due to high relative humidity in the slab-on-grade for school replacement project.	Turner Construction Company	Agreement No. 15CM03SCONTURNER for Construction Management Services RFQ No. 15CM03	Change Order No. 11 to GMP AM 02	\$169,197	Superintendent / John T. Morris, Chief Facilities Officer	2/28/19

*Not Funded by Sales Tax or Capital Renewal

OCPS FACILITIES & CONSTRUCTION CONTRACTING
RFQs in Progress: MARCH 2019

No.	Contract Description	Pre Submittal Meeting	Open Date	Shortlist Meeting	Interview Meeting	Board / CFO Date	Construction Cost	Status
RFQ 19CM04	CM Services for Orange Technical College-Orlando Campus Comprehensive Project	3/12/2019	4/2/2019	4/11/2019	4/23/2019	5/14/2019	\$20,160,000.00	On-Going
RFQ 19CM05	CM Services for Orange Technical College-Westside Campus Replacement Project	3/26/2019	4/16/2019	4/30/2019	5/14/2019	5/28/2019	\$27,000,000.00	On-Going

Plan Year(s) Filter: FY13 - FY19
Inventory Group Filter: G3,G4,G5,G6

Project Elements

Location	Age (Wt'd)	Maint. Area	Project Number	Size	Gp	Site	Roofing	Structural	Exterior	Interior	Mechanical	Electrical	Plumbing	Life Safety	Technology	Conveyance	Specialties	Budget / Committed			Project Cost / Construction Cost				Construction Schedule																								
																		Required Budget FY13 - FY19	Assigned to Date	Balance Uncommitted	Estimate Total Cost FY13 - FY20	Construction Amount Base	Change Orders Amount	ODP # Deducts	NTP	Substantial Completion	Closed (Forecast)	Days Past Subst. Compl. (close-out)																					
CAPITAL RENEWAL BUDGET																																																	
BOARD APPROVED BUDGET																		304,828,376			377,128,376																												
PLANNING PHASE																																																	
Colonial 9GC	19-Yr	NE	N0058.0	Lg	G4	✓	✓		✓	✓	✓		✓	✓					783,832	89,032	694,800	5,790,000	4,485,000	-	-	-	-																						
Colonial HS	21-Yr	NE	N0035.2	Lg	G3						✓	✓		✓	✓				674,880	-	674,880	5,624,000	4,700,000	-	-	-	-																						
Glenridge MS	16-Yr	NE	N0088.0	Int	G4	✓					✓	✓		✓					51,948	51,948	-	2,575,000	1,800,000	-	-	-	-																						
Howard MS	18-Yr	SS	N0089.0	Lg	G3	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		-	-	-	10,700,000	8,200,000	-	-	-	-																						
Lakeville ES	21-Yr	NW	N0068.0	Lg	G5	✓					✓	✓			✓				555,744	43,344	512,400	4,270,000	3,000,000	-	-	-	-																						
Lakeview MS	24-Yr	NW	N0097.0	Int	G3		✓												-	-	-	832,000	500,000	-	-	-	-																						
Riverdale ES	21-Yr	NE	N0064.0	Lg	G5						✓			✓	✓				577,540	176,260	401,280	3,344,000	2,475,000	-	-	-	-																						
Rosemont ES	19-Yr	NW	N0090.0	Int	G5	✓							✓	✓	✓				252,000	-	252,000	2,100,000	1,600,000	-	-	-	-																						
Thornebrooke ES	17-Yr	NW	N0091.0	Lg	G4	✓					✓	✓	✓	✓					-	-	-	3,600,000	2,800,000	-	-	-	-																						
Three Points ES	19-Yr	SS	N0092.0	Lg	G3	✓					✓	✓	✓	✓					-	-	-	3,000,000	2,300,000	-	-	-	-																						
Winter Park HS	14-Yr	NE	N0093.0	Lg	G3						✓	✓	✓	✓					-	-	-	9,900,000	7,600,000	-	-	-	-																						
Wolf Lake MS	13-Yr	NW	N0086.0	Int	G4						✓								327,629	178,349	149,280	1,244,000	525,000	-	-	-	-																						
Unplanned Small Projects (Note 2) 56 Sm Unplanned: 11 in FY19 and 45 in FY20																		1,650,000	-	1,650,000	8,400,000	7,000,000																											
SUBTOTAL - PLANNING																		4,873,572	538,932	4,334,640	61,378,999	46,985,000	-	-	-	-																							
DESIGN / PRE-CONSTRUCTION PHASE																																																	
Acceleration East	17-Yr	NE	N0084.0	Lg	G4		✓				✓								534,891	234,032	300,859	3,161,000	2,620,000	-	-	-	-																						
Bonneville ES	18-Yr	NE	N0027.0	Lg	G4		✓				✓	✓							570,971	203,571	367,400	3,674,000	2,700,000	-	-	-	-																						
Boone HS	28-Yr	NE	N0143.9	Int	G3	✓													54,600	12,570	42,030	455,000	350,000	-	-	-	-																						
Castle Creek ES	13-Yr	NE	N0143.10	Sm	G4						✓								275,000	910	274,090	275,000	250,000	-	-	-	-																						
Citrus ES	20-Yr	NW	N0057.1	Int	G3				✓		✓								385,000	-	385,000	385,000	350,000	-	-	-	-																						
College Park MS	11-Yr	NE	N0075.1	Sm	G5		✓												30,086	13,286	16,800	140,000	125,000	-	-	-	-																						
Discovery MS	23-Yr	NE	N0036.0	Lg	G5				✓		✓	✓	✓						2,190,354	1,034,176	1,156,178	12,977,000	9,800,000	-	-	-	-																						
Freedom HS	16-Yr	SS	N0096.0	Int	G4						✓	✓	✓	✓					266,400	131,719	134,681	2,220,000	1,600,000	-	-	-	-																						
Jones HS	15-Yr	SS	N0059.2	Lg	G3	✓			✓	✓	✓	✓	✓	✓					1,736,838	804,845	931,993	9,299,000	7,150,000	-	-	-	-																						
Lawton Chiles ES	20-Yr	NE	N0060.0	Int	G3		✓		✓		✓								2,402,000	210,584	2,191,416	2,402,000	1,975,000	-	-	-	-																						
Northlake Park ES	20-Yr	SS	N0078.0	Int	G3						✓								1,361,000	77,020	1,283,980	1,361,000	1,109,804	-	-	-	-																						
Oakshire ES	20-Yr	SS	N0094.0	Lg	G3						✓								7,119,000	219,663	6,899,337	7,119,000	6,045,000	-	-	-	-																						
Ocoee MS	20-Yr	NW	N0026.0	Int	G3	✓					✓	✓	✓						1,865,000	109,318	1,755,682	1,865,000	1,085,000	-	-	-	-																						
Ocoee MS	20-Yr	NW	N0026.1	Lg	G3		✓		✓		✓	✓	✓						5,116,000	445,208	4,670,792	5,116,000	4,019,174	-	-	-	-																						
Piedmont Lakes MS	26-Yr	NW	N0029.0	Sm	G5				✓		✓								625,000	166,409	458,591	625,000	130,129	-	-	-	-																						
Pinewood ES	22-Yr	NW	N0095.0	Lg	G5						✓								7,023,000	302,324	6,720,677	7,023,000	5,970,000	-	-	-	-																						
Ridgewood Park ES	13-Yr	NW	N0063.0	Int	G4	✓			✓		✓				✓				924,000	174,737	749,263	924,000	620,000	-	-	-	-																						
Southwood ES	22-Yr	SS	N0065.0	Int	G5		✓				✓	✓	✓						833,000	183,727	649,273	833,000	466,358	-	-	-	-																						
SUBTOTAL - DESIGN																		33,312,140	4,324,100	28,988,040	59,854,001	46,365,465	-	-	-	-																							

Project Size Key
Lg - Constr. Amount > \$2M
Int - Constr. Amount > \$280K and < \$2M
Sm - Constr. Amount < \$280K

Notes
1. Capital Renewal is the replacement of major systems and components needed to preserve the efficient operation of school facilities. Capital Renewal funds are intended for Groups G3, G4, G5, and G6 school facilities, and Project Elements greater than \$50,000 in Priorities P1, P2, and P3 (and incidental P4 or P5 Elements).
2. "Unplanned Small Projects" assumes 15 projects per year, per Maintenance Area, at \$150K average per project.

Plan Year(s) Filter: FY13 - FY19
Inventory Group Filter: G3,G4,G5,G6

Project Elements

Location	Age (Yr)	Maint. Area	Project Number	Size	Gp	Site	Roofing	Structural	Exterior	Interior	Mechanical	Electrical	Plumbing	Life Safety	Technology	Conveyance	Specialties	Budget / Committed			Project Cost / Construction Cost				Construction Schedule									
																		Required Budget FY13 - FY19	Assigned to Date	Balance Uncommitted	Estimate Total Cost FY13 - FY20	Construction Amount Base	Change Orders Amount	#	ODP Deducts	#	NTP	Substantial Completion	Closed (Forecast)	Days Past Subst. Compl. (close-out)				
CONSTRUCTION PHASE																																		
Blankner K8	18-Yr	NE	N0023.0	Lg	G4		✓		✓	✓	✓	✓	✓	✓			✓	6,250,000	6,131,811	118,189	6,250,000	5,449,595	(617,791)	1	(1,207,951)	2	03/28/18A	08/02/19						
Boone HS	28-Yr	NE	N0031.0	Lg	G3		✓		✓	✓	✓	✓	✓	✓				25,001,000	21,072,915	3,928,085	25,001,000	17,189,003	220,065	2	(1,859,776)	2	02/12/18A	08/06/19						
Colonial HS	21-Yr	NE	N0035.0	Lg	G3		✓		✓	✓	✓	✓	✓	✓				5,754,000	4,281,897	1,472,103	5,754,000	4,126,473	-	-	(956,891)	1	02/11/19A	12/20/19						
Columbia ES	12-Yr	NE	N0143.11	Sm	G4					✓								275,000	253,496	21,504	275,000	250,000	-	-	-	-	03/20/19A	08/01/19						
Esteem Academy (AE)	26-Yr	NW	N0143.12	Sm	Repurg		✓											275,000	52,600	222,400	275,000	250,000	-	-	-	-	03/14/19A	07/11/19						
Freedom HS	16-Yr	SS	N0143.5	Sm	G4					✓								112,000	101,448	10,552	112,000	101,448	-	-	-	-	01/28/19A	05/28/19						
Gotha MS	25-Yr	NW	N0032.0	Lg	G5				✓	✓	✓	✓	✓	✓				10,888,000	9,318,329	1,569,671	10,888,000	8,585,287	-	-	-	-	03/18/19A	05/18/20						
Lake Nona HS	10-Yr	SS	N0143.2	Sm	G5					✓								163,000	155,570	7,430	163,000	155,570	-	-	-	-	01/08/19A	05/03/19						
Lake Nona HS	10-Yr	SS	N0143.3	Sm	G5					✓								199,000	189,452	9,548	199,000	189,452	-	-	-	-	01/08/19A	05/07/19						
Memorial MS	11-Yr	SS	N0143.4	Sm	G5					✓								244,000	232,825	11,175	244,000	232,825	-	-	-	-	03/02/16A	05/31/19						
Oakshire ES	20-Yr	SS	N0061.1	Int	G3										✓			496,000	402,487	93,514	496,000	-	-	-	-	01/28/19A	04/27/19							
Odyssey MS	19-Yr	NE	N0067.0	Lg	G3		✓			✓	✓	✓	✓	✓	✓			5,520,999	3,943,572	1,577,427	5,520,999	3,657,577	-	-	(457,556)	1	02/04/19A	11/27/19						
Olympia HS	19-Yr	NW	N0033.2	Lg	G3		✓		✓	✓	✓	✓	✓	✓	✓			16,575,000	12,956,086	3,618,915	16,575,000	13,232,879	-	-	-	-	12/12/18A	02/11/20						
OTC-Avalon Campus	11-Yr	NE	N0143.1	Sm	G4					✓								184,000	168,315	15,685	184,000	165,000	-	-	-	-	01/28/19A	05/14/19						
Stone Lakes ES	13-Yr	NE	N0143.6	Sm	G4					✓								275,000	249,917	25,083	275,000	250,000	-	-	-	-	01/08/19A	08/05/19						
Timber Creek HS	20-Yr	NE	N0037.2	Lg	G3		✓		✓	✓	✓	✓	✓	✓	✓			16,958,000	16,381,764	576,237	16,958,000	13,982,080	-	-	(2,625,953)	1	07/05/18A	08/30/19						
West Oaks ES	15-Yr	NW	N0143.7	Sm	G4					✓								275,000	261,447	13,553	275,000	250,000	-	-	-	-	02/11/19A	08/09/19						
Windermere ES	13-Yr	NW	N0143.8	Sm	G4					✓								275,000	1,048	273,952	275,000	250,000	-	-	-	-	02/11/19A	08/09/19						
Winter Park HS	14-Yr	NE	N0098.0	Int	G3					✓								500,000	26,800	473,200	500,000	419,193	-	-	-	-	03/28/19A	07/24/19						
SUBTOTAL - CONSTRUCTION																		90,219,999	76,181,779	14,038,221	90,219,999	68,736,381	(397,727)	3	(7,108,127)	7								
CLOSE-OUT																																		
Chain of Lakes MS	21-Yr	NW	N0076.0	Int	G3				✓	✓	✓	✓	✓	✓				1,761,000	1,676,219	84,781	1,761,000	1,501,037	15,082	1	(163,083)	1	03/07/18A	12/12/18A	04/23/19					
Citrus ES	20-Yr	NW	N0057.0	Int	G3		✓		✓	✓	✓	✓	✓	✓	✓			1,715,000	1,631,545	83,456	1,715,000	1,104,954	-	-	(119,066)	2	04/13/18A	08/13/18A	05/14/19					
Citrus ES	20-Yr	NW	N0057.2	Int	G3										✓			496,000	314,307	181,693	496,000	-	-	-	-	01/10/19A	01/25/19A	04/23/19						
Colonial HS	21-Yr	NE	N0035.1	Int	G3	✓												1,998,000	1,855,953	142,047	1,998,000	1,568,497	233,110	2	(258,600)	1	03/20/18A	02/08/19A	06/08/19					
College Park MS	11-Yr	NE	N0075.0	Int	G5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			1,654,000	1,629,748	24,252	1,654,000	1,516,475	-	-	(322,800)	1	01/18/18A	08/07/18A	04/23/19					
Jackson MS	16-Yr	NE	N0077.0	Int	G4	✓			✓	✓	✓	✓	✓	✓				1,476,000	1,318,465	157,535	1,476,000	1,087,070	-	-	(34,336)	2	10/03/17A	01/29/18A	05/06/19					
Jones HS	15-Yr	SS	N0059.3	Lg	G3	✓												3,014,000	2,863,486	150,514	3,014,000	2,532,775	247,835	3	-	-	05/24/16A	08/14/17A	04/23/19					
Lakeview MS	24-Yr	NW	N0041.2	Int	G3	✓			✓	✓	✓	✓	✓	✓				963,000	850,757	112,244	963,000	718,185	-	-	(37,770)	1	05/19/17A	10/11/17A	05/06/19					
Lawton Chiles ES	20-Yr	NE	N0060.1	Int	G3										✓			410,000	363,699	46,301	410,000	-	-	-	-	10/22/18A	11/09/18A	04/23/19						
Liberty MS	14-Yr	NE	N0022.0	Lg	G4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			9,055,000	8,420,635	634,365	9,055,000	7,401,231	172,749	8	(1,263,495)	2	02/09/16A	02/19/18A	05/20/19					
Lockhart MS	11-Yr	NW	N0129.0	Sm	G5					✓								200,000	168,723	31,277	200,000	168,723	-	-	-	-	06/14/18A	01/24/19A	04/23/19					
Odyssey MS	19-Yr	NE	N0067.1	Int	G3	✓	✓		✓	✓	✓	✓	✓	✓				2,181,000	1,997,481	183,519	2,181,000	1,965,969	-	-	(703,648)	1	06/06/17A	11/30/17A	05/20/19					
Ridgewood Park ES	13-Yr	NW	N0063.2	Int	G4										✓			410,000	354,991	55,009	410,000	-	-	-	-	09/17/18A	09/28/18A	04/23/19						
Riverdale ES	21-Yr	NE	N0064.1	Int	G5										✓			410,000	337,363	72,638	410,000	-	-	-	-	09/04/18A	09/21/18A	04/23/19						
Southwood ES	22-Yr	SS	N0065.1	Int	G5										✓			410,000	315,086	94,915	410,000	-	-	-	-	12/21/18A	01/10/19A	04/23/19						
Winter Park HS	14-Yr	NE	N0066.2	Int	G3	✓												1,628,000	1,501,131	126,869	1,628,000	1,220,671	-	-	-	-	06/30/17A	08/11/17A	04/23/19					
Wolf Lake ES	13-Yr	NW	N0085.0	Int	G4					✓								1,104,000	984,961	119,038	1,104,000	881,746	-	-	(203,095)	2	12/06/17A	05/02/18A	05/06/19					
SUBTOTAL - CLOSE-OUT																		28,885,000	26,584,549	2,300,452	28,885,000	21,667,333	668,776	14	(3,105,893)	13								
PREVIOUSLY COMPLETE																		44,871,144	44,871,144	-	44,871,147	35,756,168	1,139,130	28	(1,990,930)	17								
GRAND TOTAL																		\$ 202,161,856	\$ 152,500,504	\$ 49,661,352	\$ 285,209,146	\$ 219,510,347	\$ 1,410,179	45	\$ (12,204,949)	37								

Available Thru FY19 \$ 102,666,520

Available Thru FY20 \$ 91,919,230

Project Size Key

- Lg - Constr. Amount > \$2M
- Int - Constr. Amount > \$280K and < \$2M
- Sm - Constr. Amount < \$280K

Notes

- Capital Renewal is the replacement of major systems and components needed to preserve the efficient operation of school facilities. Capital Renewal funds are intended for Groups G3, G4, G5, and G6 school facilities, and Project Elements greater than \$50,000 in Priorities P1, P2, and P3 (and incidental P4 or P5 Elements).
- "Unplanned Small Projects" assumes 15 projects per year, per Maintenance Area, at \$150K average per project.

Capital Renewal Financial Summary
As of 4/2/19

FY19 Adopted Budget	231,389,279
FY19 Pre Enc.	847,233
FY19 Encumbrances	52,100,414
FY19 Actuals	<u>26,113,762</u>
FY19 Available Budget	<u><u>152,327,869</u></u>
Fund Balance as of 4/2/2019	<u><u>624,274,149</u></u>

Capital Renewal Update as of April 18, 2019

Capital Renewal: Capital Renewal is the replacement of major systems and components needed to preserve the efficient operation of school facilities. Capital Renewal funds are intended for Groups G3, G4, G5, and G6 school facilities, and Project Elements greater than \$50,000 in Priorities P1, P2, and P3 (and incidental P4 or P5 Elements).

Project Elements

Site	Exterior	Electrical	Technology
Roofing	Interior	Plumbing	Conveyances
Structural	Mechanical	Life Safety	Specialties

Maintenance Areas

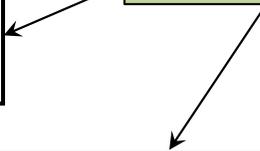
- NE - Northeast Maintenance Area
- NW - Northwest Maintenance Area
- SS - Super South Maintenance Area

Facilities Inventory - Group Structure

- G1 - balance of 2003 Sales Tax List, funded through FY16
- G2 - balance of 2003 Sales Tax List, funded FY17 - FY22

G3 - pre-2003 Sales Tax facilities; funded FY23 - FY26
G4 - facilities constructed or renovated 2003 to 2008
G5 - facilities constructed or renovated 2008 to 2013
G6 - facilities constructed or renovated 2013 to 2018

Eligible for CR funding



Funding Priorities

Priority P1: Life Safety, Roofing, Air Conditioning, Security
Priority P2: Exterior Doors/Windows, Elevators, Plumbing, Electrical Power, Technology, Perimeter Fencing / Gates, Interior Lighting
Priority P3: Interior Partitions / Doors / Windows, Ceilings, Exterior Lighting, Exterior Finishes, Voice Communications, Paving (Roads, Walks, Parking)

- Priority P4: Interior Specialties, Playground Equipment
- Priority P5: Interior Finishes, Landscaping, Athletic Facilities

Abbreviations

9GC - 9th Grade Center; Grade 9	K - Thousands (number); Kindergarten (school)
A - Actual (related to a date)	K8 - Grades K - 8
Age (Wt'd) - weighted age of a campus	Lg - Large CR Project; over \$2M
Alt Ed - Alternative Education	M - Millions
Bldg - Building	Maint. Area - Maintenance Area
CEP-E; Community Education Partners (Alt Ed)	MEP - Mechanical, Electrical and Plumbing
CEP-W; Community Education Partners (Alt Ed)	MS - Middle School; Grades 6 - 8
CR - Capital Renewal	NTP - Notice to Proceed
Dr H'wre - Door Hardware	ODP - Owner Direct Purchase
Elec - Electrical	R'newal - renewal of chiller
ES - Elementary School; Grades PreK - 5	SC - Substantial Completion
Est. - Estimated	Sm - Small CR Project; under \$280K
FY - Fiscal Year; July 1 through June 30	Subst. Compl. - Substantial Completion
Gp - Group; organization of campus-wide facilities	TBD - To Be Determined
HS - High School; Grades 9 - 12	Tech - Technology
HVAC - Heating, Ventilating and Air Conditioning	VFD - Variable Frequency Drive
Int - Intermediate CR Project; \$280K to \$2M	Yr - Year

Capital Renewal Update as of April 18, 2019
Active Projects With Construction Cost Exceeding \$10M

Boone High School Campus-wide Capital Renewal Project

Guaranteed Maximum Price: \$17,189,003

Campus-Wide Renovations (excluding auditorium, gymnasium/cafeteria)

- Complete roof replacement, all buildings
- Roof drain replacement in conjunction with roof replacement
- New lightning protection system
- Fire alarm system replacement
- Security camera system replacement
- Security camera system expansion (alternate funding)
- Replacement of the campus intercom system
- Re-keying all interior and exterior doors
- Upgrade of the existing Building Automation System (BAS) to support central monitoring

Classroom Buildings (100, 200, 300)

- Repair of CMU cracks, replacement of window and door sealants, and exterior wall painting
- Repair of damaged stucco soffit
- Replacement of exterior site lighting
- Replacement of exterior stairs (Building 100 only)
- Renovation of group restrooms with new fixtures, partitions and finishes
- Revision of restroom floor plans to meet accessibility requirements in conjunction with renovation
- Replacement of domestic water and wastewater piping
- Replacement of the building heating, ventilating and air conditioning (HVAC) system
- Conversion of the HVAC system to central station air handling units (AHU) in conjunction with replacement, with new mechanical rooms, ductwork, fans, VAV boxes, AHUs, piping
- Conversion from hot water to electric heat in conjunction with HVAC system replacement
- Replacement of acoustical ceilings to facilitate HVAC system conversion to AHU system
- Replacement of light fixtures with new LED panels in conjunction with ceiling replacement
- Fire sprinkler system modifications to facilitate HVAC system conversion to AHU system
- Replacement of cooling towers, condenser and chilled water pumps, boilers and condenser water treatment at the Central Energy Plant (CEP)

Other Buildings

- Replacement of the HVAC chiller and pumps serving the Field House

Capital Renewal Update as of April 18, 2019
Active Projects With Construction Cost Exceeding \$10M

Timber Creek High School Campus-wide Capital Renewal Project

Guaranteed Maximum Price: \$13,982,080

Building Envelope Renovations

- Complete roof replacement, all buildings
- Roof drain replacement in conjunction with roof replacement
- New lightning protection system
- Wall crack repairs at the Central Energy Plant (CEP)

Heating, Ventilating and Air Conditioning (HVAC) Renovations

- Replacement of all air-handling units (AHUs), campus-wide (47 AHUs)
- Addition of bi-polar ionization to select AHUs in conjunction with AHU replacement
- Replacement of HVAC duct work within mechanical rooms
- Replacement of all rooftop mechanical equipment (exhaust fans, air intakes)
- Variable frequency drive (VFD) replacements for AHUs and pumps
- Replacement of heating hot water piping and valves, campus-wide
- Replacement of cooling towers, condenser and chilled water pumps, boilers, condenser water piping and condenser water treatment at the Central Energy Plant (CEP)
- Replacement of the existing building automation system (BAS), campus-wide
- Rebalancing of all HVAC systems

Low-voltage System Improvements

- Replacement of the campus intercom system
- Replacement of the gymnasium sound system
- Replacement of the cafeteria sound reinforcement system

Safety and Security

- Fire alarm system replacement
- Intrusion detection system replacement
- Security camera system replacement
- Security camera system expansion (alternate funding)

Capital Renewal Update as of April 18, 2019
Active Projects With Construction Cost Exceeding \$10M

Olympia High School Campus-wide Capital Renewal Project

Guaranteed Maximum Price: \$13,232,880

Building Envelope Renovations

- Complete roof replacement (2 buildings) or new roof membrane (8 buildings), campus-wide
- Roof drain repair or replacement in conjunction with roof replacement
- New lightning protection system
- Sealant replacement at all sidewalk to wall transitions
- Sealant replacement at all tilt wall panel joints
- Wall crack and concrete spalling repairs at building 1100 and the cooling tower yard

Heating, Ventilating and Air Conditioning (HVAC) Renovations

- Replacement of all air-handling units (AHUs), campus-wide (49 AHUs)
- Addition of bi-polar ionization to select AHUs in conjunction with AHU replacement
- Replacement of HVAC duct work within mechanical rooms
- Variable frequency drive (VFD) replacements for AHUs and pumps
- Replacement of heating hot water piping and valves, campus-wide
- Replacement of cooling towers, condenser and chilled water pumps, boilers, condenser water piping and condenser water treatment at the Central Energy Plant (CEP)
- Replacement of the existing building automation system (BAS), campus-wide
- Rebalancing of all HVAC systems

Low-voltage System Improvements

- Replacement of the campus intercom system
- Replacement of the gymnasium sound system

Safety and Security

- Fire alarm system replacement
- Security camera system replacement
- Security camera system expansion (alternate funding)

Capital Renewal Update – April 18, 2019

There are 49 active projects (22 large, 14 intermediate, 13 small) currently in progress for improvements at 42 sites, with an estimated total cost of \$203.1M and construction cost of \$155.1M. The number of active projects has increased by three, with three small projects added since the last report. The estimated total cost of active projects is slightly more than our last report due to the added projects.

There are 12 projects currently in planning, which is reduced from 15 in the last report. Since the last report, three small chiller replacement projects at Stone Lake, West Oaks and Windermere Elementary Schools moved from planning to construction, and design commenced on the small roof replacement project at College Park Middle School. An HVAC renovation project at Wolf Lake Middle School, previously reported in the design phase was moved to planning due to scope revisions that required a revised design agreement.

We anticipate design commencement on a campus-wide project at Colonial 9th Grade Center later this month. Additionally, we've concluded scope identification for the next phase of the Colonial High School project and are currently negotiating a design agreement. Negotiations are also underway on the Wolf Lake Middle School project. The Board recently approved selection of an engineer and construction manager for a project addressing combined, similar building envelope and HVAC requirements at Lakeville and Riverdale Elementary Schools and negotiations on a design agreement will commence later this month. Scope development continues on the remaining projects in planning.

Design continues on 18 projects, which is a decrease of one since the last report. A large campus-wide project at Gotha Middle School and an intermediate project addressing the HVAC system in Building 700 at Winter Park High School commenced construction. Added projects in design include a new small chiller replacement project at Castle Creek Elementary School, and the small College Park roof replacement project mentioned earlier.

Several other projects in design are nearing construction commencement. We have reached agreement on Guaranteed Maximum Price (GMP) proposals for intermediate building envelope and HVAC projects at Southwood and Lawton Chiles Elementary Schools; another intermediate project replacing the HVAC system serving building 200 at Northlake Park Elementary School; and large projects addressing the gymnasium at Ocoee Middle School and HVAC, low-voltage and plumbing system improvements at Pinewood and Oakshire Elementary Schools. All of these projects are scheduled for construction commencement in April.

Several additional projects in design are scheduled to commence before the end of the fiscal year on June 30th. These include intermediate projects addressing paving at Ridgewood Park Elementary School, campus-wide requirements at Ocoee Middle School, building envelope and intercom system issues at Citrus Elementary School, and softball field drainage renovations at Boone High School. A large HVAC and roofing project at Acceleration East, previously scheduled for commencement this fiscal year is now scheduled for commencement in early July.

19 projects are currently under construction, which is an increase of seven since the last report. Projects the recently commenced construction include the previously mentioned small chiller replacement projects at Stone Lake, West Oaks and Windermere Elementary Schools; the large campus-wide project at Gotha Middle School; and the intermediate HVAC project addressing the HVAC system in Building 700 at Winter Park High School. Two new small projects also commenced construction, providing for chiller replacement at Columbia Elementary School and gutter replacement at Esteem Academy.

Construction continues on large campus-wide projects at Boone, Timber Creek, Colonial and Olympia High Schools, Odyssey Middle School, and Blankner K-8 School, and several small mechanical system projects. Except for the Olympia High School and Gotha Middle School projects which are scheduled for completion early in 2020, all of these projects currently under construction will be completed later in 2019.

The large and intermediate projects scheduled to commence in the first half of 2019 represent an additional \$22.0M of anticipated construction contract awards for fiscal year 2019. Another \$28.9M of contract awards are anticipated by year's end. The detailed report reflects only minor changes in the forecasted balance of unused capital renewal funds through the end of FY 2020, with \$91.9M available for new requirements.

Capital Renewal Update as of April 18, 2019

Changes since 3/21/18

Planning

- Moved from Design
 - o Wolf Lake MS – N0086.0 CEP Modifications
- Moved to Design
 - o College Park MS – N0075.1 Replace Roof_Bldg. 3
- Moved to Construction
 - o Stone Lakes ES – N0143.6 Chiller Replacement
 - o West Oaks ES – N0143.7 Chiller Replacement
 - o Windermere ES – N0143.8 Chiller Replacement

Design

- New Project
 - o Castle Creek ES – N0143.10 Chiller Replacement
- Moved from Planning
 - o College Park MS – N0075.1 Replace Roof_Bldg. 3
- Moved to Planning
 - o Wolf Lake MS – N0086.0 CEP Modifications
- Moved to Construction
 - o Gotha MS – N0032.0 Campus Wide
 - o Winter Park HS – N0098.0 HVAC_Bldg. 700

Construction

- New Projects
 - o Columbia ES – N0143.11 Chiller Replacement
 - o Esteem Academy (AE) – N0143.12 Gutter Replacement
- Moved from Planning
 - o Stone Lakes ES – N0143.6 Chiller Replacement
 - o West Oaks ES – N0143.7 Chiller Replacement
 - o Windermere ES – N0143.8 Chiller Replacement
- Moved from Design
 - o Gotha MS – N0032.0 Campus Wide
 - o Winter Park HS – N0098.0 HVAC_Bldg. 700

