



COVE Meeting

CITIZENS' CONSTRUCTION OVERSIGHT AND VALUE ENGINEERING

March 21, 2019

COVE Meeting Agenda

Thursday, March 21, 2019 @ 8:00 a.m.
Facilities Services - Building 200
6501 Magic Way, Orlando, Florida 32809

I. Call to Order and Approval of February COVE Meeting Minutes

- Ksenia Merck, Chairman ----- Pg. 1-6

- Chairman Comments

II. Departmental Reports

• Project Status Report - Jeff Hart/Mari Espinal ----- Pg. 7-13

• M/WBE Update - Joycelyn Henson ----- Pg. 14-16

• Change Order Update - Ed Ames ----- Pg. 17-25

• Capital Renewal Update - Jeff Hart ----- Pg. 26-35

III. Presentations/Reports

- Community Update - Lauren Roth
- Prototype Update - Cathy Sullivan/Mo Arthur
- Facilities Condition Assessment - Basem Ghneim

IV. Discussion and Adjournment

- The next COVE Meeting will held on April 18, 2019.

COVE Meeting Minutes

The Construction Oversight and Value Engineering Committee (COVE) monthly meeting convened on Thursday February 21, 2019 at 8:00 a.m., at Facilities Services, 6501 Magic Way, Bldg. 200, Orlando, Florida 32809.

COVE Members in Attendance: Chairman Ksenia Merck, Pat Knipe, James Knapp, Douglas Kelly, Mario Cuello, Ernest Gonzalez-Chavez, and Stuart Kramer.

OCPS Staff in Attendance: John Morris, Superintendent Barbara Jenkins, Judith Padres, Dale Kelly, Laura Kelly, Jeff Hart, Mari Espinal, Ed Ames, Rory Salimbene, Basem Ghneim, Mike Winter, Alva Johnson, Linda Lindsey, Rocco Williams, Faz Ali, Bill Terry, Toni Greene, Mariangeles Garcia and Sandra Roopwah (as scribe).

Call to Order:

A quorum was established and Chairman Ksenia Merck called the meeting to order at 8:17 a.m.

➤ Chairman Comments

- Ksenia Merck requested to include the following items in the minutes going forward:
 - COVE Members questions and answers;
 - A detailed summary; and
 - Action items.
- Chairman Merck announced the passing of former COVE chairman Egerton van den Berg and the committee observed a moment of silence in honor of his memory.

I. Approval of Minutes

The minutes from November 15, 2018 were presented and were approved unanimously by the Committee.

II. Departmental Reports

➤ Finance Report – Dale Kelly/Judith Padres

- Judith Padres
 - There are no budget amendments to report this month. Cash Flow will be presented once the conditions assessment is finalized.
- Dale Kelly
 - Sales tax collection is up by approximately seven (7) percent.
- Questions/Comments

- Douglas Kelly inquired about the funds in the budget for schools that are already opened. Staff indicated that, these are outstanding encumbrances for purchase orders or contracts that will either be paid as appropriate or deleted if no longer valid.
- Pat Knipe asked if the funds are carried over or are they reentered every year. Judith Padres responded that funds are automatically carried over from year-to-year for encumbrances. We do not have to re-enter the items in the new year.
- Ernesto Gonzalez-Chavez asked how are the remaining funds in a project are being used. Dale said that the remaining funds go back into the Sales Tax fund balance to be reallocated to new projects.

➤ **Project Status – Jeff Hart/Mari Espinal**

- Mari Espinal
 - Monthly status update for new/replacement and comprehensive projects. There are no significant changes to report this month.
- Jeff Hart
 - There are currently 12 projects under construction amounting to approximately \$291 million.
 - At this time there are 13 projects in close-out.
 - Since our last meeting, two (2) schools have received CFI's (Windermere HS and Hillcrest ES).
 - Currently, there are 13 projects in the design phase. *Partial phased*
 - Provided an overview of the projects that have received substantial completion (Dover Shores ES, Pine Hills Transportation Compound, Lake Gem ES, Lake George ES, Sunrise ES and Corner Lake MS).
- Questions/Comments
 - Douglas Kelly inquired about ^a Pine Hills Transportation change order. Jeff explained that the primary issue is soil conditions, where soil had to be removed, moved or modified.
 - *Gonzalez-Chavez* Ernesto asked if a nine month delay in operations would cost the District anything. Jeff responded that the delay is part of the claim that design builder has because there are additional general conditions required for the additional time. While the contracts speaks of \$1,000 per day for anything beyond 21 days, the delay costs are part of the discussions we are having because they are trying to claim a lot more. *the*
 - Ernesto Gonzalez-Chavez inquired about the soil conditions and if there is someone in house that looks at historical maps before purchasing a site. Laura Kelly explained that REM conducts an extensive analysis before purchasing a site, including reviewing maps and aerials.

20.30

Thermal plastic
Single ply

- James Knapp asked if the District uses different types of roofs. Jeff Hart explained that the District is currently using shingle roofs and the lifespan is about 15-20 years; *but also where existing*
- James Knapp asked if metal roof is more expensive. Rocco Williams said it is 2 and a half times more expensive and the lifespan is about 40-50 years.
- Douglas Kelly questioned if the District has considered installing solar panels. Mr. Morris explained that District has researched it and currently it will not be financially beneficial to the District because of the initial capital costs and time for recouping the return on investment. He also mentioned that the District is researching solar farms and reviewing options to invest in, or partner with, solar farms.

utilizing
shingle
roofs
with
a
life
span
of
15-20
years

• Action Item(s)

- Ernesto Gonzalez-Chavez requested a report showing the percentage of projects completed from the original list of 136 facilities identified in the sales tax referendum (Jeff Hart).
- Ksenia Merck proposed incorporating the "status of soil" for each project in the design phase (Jeff Hart).

➤ **Capital Renewal Update – Rory Salimbene**

• Discussion

- The total cost of active projects increased by approximately 5 million dollars increase due to added projects and a few projects for which we recently negotiated a GMP with a slightly higher construction cost than we had budgeted.
- Presentation included a report of project status, noting new and completed projects and recent and upcoming construction commencement.
- It was also noted that some projects were combined in an effort to reduce administrative cost as well as making the packages more attractive to Construction Managers.
- There were minor changes to the unused amounts in the Capital Renewal program; Approximately 92.5 million dollars of the funds that we have available through 2019 are not allocated to a project. By the end of 2020, approximately 95 million that have not otherwise been allocated will be available to address the needs identified in the Facilities Conditions Assessment.

• Questions/Comments

- Mario Cuello asked why we see a lot of HVAC system issues on the Capital Renewal? Staff responded that a major portion of the capital

renewal program will address HVAC issues as they are a critical component for the schools. The high incidence of HVAC projects in the program is not due to the lack of maintenance or failure to achieve planned life expectancy, but is simply a reflection of the number of systems that have reached the end of their normal life cycle.

- COVE requested for a presentation on the changes to the Design Guidelines and lessons learned. Staff was also requested to coordinate a meeting to exclusively review and discuss the changes incorporated.
- Mario Cuello asked if we going to run out of money for the Capital renewal program? Judith responded that the status of our capital renewal fund is tied to the Facilities Condition Assessment.
- Ksenia Merck requested to add information to the Capital Renewal forecast chart to show the department's revenue versus the expenditure for the capital renewal program. COVE would like to review whether the formula supports the growth of the Capital Renewal program or if the formula needs to be revised. Rory said that question will be addressed in the upcoming presentation on the results of the Facilities Condition Assessment.
- Stuart Kramer asked whether increased costs are coming from labor or materials? Rory explained that the increase appears to be mostly in labor costs; one of the indicators of that for these projects is that many of these projects struggle to achieve the goal for Owner Direct Purchase of materials not less than 25% of the construction cost. This suggests that labor is larger share of the project cost than in the past. Capital renewal projects also experience higher labor costs due to measures necessary to avoid impacts to school operations when working in occupied facilities without the benefit of swing space. Although we pay a labor premium for night and weekend work, the premium is less than the cost associated with the use of portables for temporary swing space.

- Action Item(s)

- Ksenia Merck requested a summary of the updated Design Guidelines (Jeff Hart).
- Ernesto Gonzalez-Chavez asked to have a workshop on the Design Guidelines.
- Ernesto Gonzalez-Chavez requested a comparison of the first ten (10) projects off the priority list compared to new construction, which comparison should review items, such as the lessons learned, longevity of the systems and costs.

➤ **Change Order Report – Ed Ames**

- Discussion
 - There is one significant change order (Sally Ride ES) and no significant amendments to report for the month of October.
 - Currently, there are five (5) RFQ's out for bidding.

➤ **Facilities Condition Assessment Update – Basem Ghneim**

- Discussion
 - Basem Ghneim presented an update on the Facilities Condition Assessment. He mentioned that the District owns approximately 32.2 million square feet of space.
 - Basem stated that it is anticipated that the Capital Renewal program will need approximately \$1 billion in funds over 10 years.
 - The Facilities Condition Assessment is approximately 95 percent of completed.

III. **Presentation** – Pat Knipe

➤ **Audited Financial Statement of the Sale Tax and Capital Renewal Funds – Mr. Pat Knipe**

- Discussion
 - Pat Knipe provided the Committee with a detailed overview of the Sales Tax and Capital Renewal Audit, including the balance sheet, statement of revenues, expenditures, changes in the fund balance and notes to financial statements.

IV. **Adjournment**

- The next meeting will be held on Thursday, March 21, 2019, at 8 a.m., at Facilities Services, 6501 Magic Way, Bldg. 200, Orlando, FL 32809.
- Facilities Board Workshop will be held on April 16, 2019 at 4:30pm at RBELC.
- There being no further business the meeting was adjourned at 10:33 a.m.

Minutes Authenticated by:

Ksenia Merck ^{wx} comments 3.21.19
Ksenia Merck
Chairman COVE Committee
Date of approval

Laura G. Kelly
Laura Kelly
Legal Services Facilities
3/25/19
Date of approval



PROJECT STATUS SUMMARY REPORT

COMPREHENSIVE SCHOOLS

March 21, 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	20,938,000	213,000	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	16,261,000	1,056,000	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	12,935,000	446,000	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	25,204,000	-	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	13,138,000	48,000	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	\$88,476,000	1,763,000	\$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	22,150,000	-	18,029,283	99,058	3	(3,827,740)	3	7/18/2017	12/7/2018	104	GMP	CPPI	Rhodes & Brito	
Sales Tax	93	Sally Ride ES	20,448,000	-	20,448,000	20,106,000	342,000	15,663,493	420,103	3	(3,916,000)	1	7/17/2017	10/23/2018	149	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	146	GMP	Pirtle	Zyscovich	
		Sub Total	62,548,000	\$0	\$62,548,000	\$62,206,000	\$342,000	50,010,346	624,182	8	(10,939,196)	6							
Grand Total			298,591,000	-	298,591,000	\$296,486,000	\$2,105,000	108,372,905	714,182	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, and reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.

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, and reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.



PROJECT STATUS SUMMARY REPORT
NEW AND REPLACEMENT SCHOOLS
March 21, 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																						
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	ES Site 25-E-SW-4	23,300,000	-	23,300,000	22,612,000	688,000	18,515,591	33,169	1	(4,628,898)	1	6/1/2018	5/3/2019		GMP	CPPI	BRPH				
Impact	New	ES Site 49-E-W-4	23,260,000	-	23,260,000	22,497,000	763,000	18,048,328	152,813	2	(4,512,082)	1	6/1/2018	6/24/2019		GMP	Welbro	Schenkel				
Impact	New	MS Site 37-M-SW-4 (Bridgewater Area)	38,614,000	-	38,614,000	37,812,000	802,000	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			(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	38,644,000	363,000	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	(4,801,176)	2	9/21/2017	11/19/2018		GMP	Ajax	BRPH				
		Sub Total	225,542,000	-	225,542,000	222,926,000	2,616,000	162,769,630	1,210,368	17	(40,909,410)	12										
CLOSE OUT PHASE																						
Impact	New	Audubon Park School (Site 133-K8-E-6)	39,043,000	-	39,043,000	38,697,000	346,000	31,003,724	15,151	2	(8,502,182)	3	3/17/2017	7/24/2018	240	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	636	GMP	Pirtle	Hunton Brady				
Sales Tax	124	Frangus ES	23,470,000	-	23,470,000	23,470,000	-	18,622,711	156,472	3	(4,580,721)	1	7/25/2017	10/30/2018	142	GMP	Williams Co	BRPH				
Sales Tax	130	Hidden Oaks ES	19,056,000	-	19,056,000	19,010,000	46,000	14,608,038	170,273	3	(3,630,193)	2	7/24/2017	09/18/2018	184	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	142	GMP	Gilbane	Schenkel				
Sales Tax	New	Lake Como School (Site 205-K8-SW-6)	37,810,000	-	37,810,000	37,577,000	233,000	30,108,765	181,858	3	(7,359,254)	2	2/7/2017	6/19/2018	275	GMP	Williams Co	Harvard Jolly				
Sales Tax	127	Maxey ES (Site 207-E-W-7)	17,790,000	-	17,790,000	17,659,000	131,000	14,609,699	(271,741)	5	(3,508,718)	2	7/17/2017	7/17/2018	247	GMP	Clancy & Theys	Schenkel				
Sales Tax	New	OCPS ACE (PS8 Site 131-PS8-SW-5)	61,103,000	-	61,103,000	60,577,000	526,000	51,499,557	243,050	7	(13,294,657)	2	4/16/2015	8/7/2017	591	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	238	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	527	GMP	Turner	Schenkel				
		Sub Total	304,137,000	-	304,137,000	302,855,000	1,282,000	241,051,522	491,704	43	(60,321,309)	20										
Grand Total			1,029,719,000	-	1,029,719,000	1,025,821,000	3,898,000	403,821,151	1,702,072	60	(101,230,718)	32										

Footnotes

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- 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, and reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- 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, and reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- Hidden Oaks ES** – CFI delayed due to completion of punch list activities, and reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- 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, and reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- Lake Como School** – CFI delayed due to reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- Maxey ES** - CFI awaits completion of upgrades to 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. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- OCPS ACE** - CFI delayed due to corrective work required to be performed on the soccer field which was not discovered until post substantial completion. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- Pine Hills ES** - CFI delayed due to reconciliation of final project costs. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.
- Ventura ES** – CFI delayed due to reconciliation of final project costs and time impacts. An upgrade to the public safety radio distribution system may prevent the CFI from being presented to the Board.

Other

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

Construction Update as of March 12, 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 is scheduled for completion by March 25, 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 is scheduled 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 is 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.

And,

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 accounted 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 were substantially completed on December 10, 2018, and the Administration Building was recently completed on January 8, 2019.
 - The driver’s Lounges and associated parking was recently completed on February 14, 2019; and will be moving into over Spring Break.
 - 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.
- **Site 37-M-SW-4** (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 the sand skink mitigation and gopher tortoise relocations, mobilization for construction was not granted until April 24, 2018, resulting in a 2 month delay. The team has 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 scheduled for May 15, 2019.
 - Due to code required modifications to the Fire Alarm system to add a voice evacuation component, the overall project completion date has been extended to late May 2019.
- **Site 25-E-SW-4** (South of Reams Road area relief) - construction NTP was issued on June 1, 2018, with an overall substantial completion scheduled for May 3, 2019.
- **Site 49-E-W-4** (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 14, 2019.

Since our last report:

- Substantial Completions:
 - **Pine Hills Transportation Compound** – Driver’s lounge and associate parking was completed on February 14, 2019. (See attached photo).

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.
- **Lake Gem ES** – The third phase involving the renovation of Classroom Building 6 is scheduled to substantially complete on March 25, 2019.

For:

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: we have been advised, no CFIs should be presented to the Board, if an assessment has determined that a two-way radio enhancement system is warranted.

For:

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



**Office of Business Opportunity
MWBE/LDB/VE FY19 Q1 Report
March 21, 2019**

Background

Per district procedures, the Office of Business Opportunity is required to provide a quarterly report of participation for minority- and woman-owned business enterprises (MWBEs), local developing businesses (LDBs), and veteran-owned enterprises (VBEs). To this end, participation percentages for construction and professional services through the second quarter of Fiscal Year 2019 are below. This report will be presented to and reviewed by COVE at the March 21, 2019 meeting.

Participation Data

Data regarding sub-contractor participation for Construction and Professional Services is based on the contracts awarded to the sub-contract as a percentage of the total contract value as of the specified date. The participation percentage for construction and professional services represents the following calculation:

$$\frac{\text{Total dollars **contracted** by prime contractors with the MWBE sub-contractors}}{\text{Total dollars **contracted** by OCPS with the prime contractors}}$$

<u>Category</u>	<u>Board Policy</u>	<u>FY18</u>	<u>FY19Q1</u>	<u>FY19Q2</u>
Construction	23%	29%	23%	23%
Professional Services	15%	22%	16%	16%

Local Developing Business (LDB)

The Local Developing-Business program is the district's race-neutral small-business program. This program intends to support local small businesses (as defined by net profit and personal net worth limitations). These small businesses must be located locally within the Orlando Statistical Metropolitan area (Orange, Osceola, Lake, and Seminole Counties). **The district has an overall goal of spending 10% with local developing businesses. Currently, the district has sub-contracted 4% LDB participation in construction and 8% LDB participation in professional services.**

Veteran Business Enterprise (VBE)

The district implemented its Veteran Business Enterprise program in Fiscal Year 2016. The language encouraging participation was added to all procurement solicitation documents. In addition, vendors submitting proposals that included VBE sub-contractors/consultants on their team were awarded points in the selection process. The district has awarded several contracts directly to VBEs, including RL Burns, Blue Cord, Eagle 6 (IT) and several other VBEs. The district has received an overwhelmingly positive response from the Veteran community for its VBE program. **The district has an overall goal of spending 3% with veteran-owned businesses. Currently, the district has sub-contracted a combined 1% with in construction and professional services.**

District programs (MWBE, LDB, and VBE) support the district's goals of operational efficiency by increasing competition; and sustained community engagement by ensuring the inclusion of small businesses in the procurement process

Outreach

In support of the district's goal of Sustained Community Engagement, the Office of Business Opportunity (OBO) hosted and/or attended over 50 outreach events during Fiscal Year 2018. Outreach events provide meaningful interactions for members of the business community to network and gain additional information and insight on how to do business with the school district. In addition, the events allow OBO staff to share information about the district programs aimed at increasing purchasing with MWB, LDB, and Veteran- Owned Business enterprises (VBE).

Below please find the list of the 21 outreach events hosted and attended during the first quarter of Fiscal Year 2019. The Office of Business Opportunity maintain a copy of invitations, agendas, and business cards for each activity attended.

October

1. Orlando LeadsGroup – Small Business Roundtable – October 4, 2018
2. FSMSDC Business Opportunity Matchmaker – October 5, 2018
3. FSMSDC OCPS Vendor Opportunity PowerNet – October 11, 2018
4. School District of Palm Beach County Town Hall Meeting & Trade Fair – October 22, 2018
5. OCPS – How to do Business Workshop – October 26, 2018
6. SBA Mentor-Protégé Connection Event 2018 – October 26, 2018
7. NFL The Bridge to Success - October 28-29, 2018

November

1. Dr. Phillips Chamber Speed-Networking Breakfast – November 2, 2018
2. FAVOB Legislative Breakfast – November 9, 2018
3. NIGP Reverse Trade Show – November 13, 2018
4. Working Together Coalition Outreach Event – November 15, 2018
5. MBDA The Capital Network – November 27, 2018
6. Lake Lorna Doone Park Project Pre-Bid Matchmaking/Community Forum Event – November 27, 2018
7. OCPS – How to do Business Workshop – November 30, 2018

December

1. GOAA How to do Business Networking Event – December 6, 2018
2. NIGP Meeting – December 7, 2018
3. Wharton-Smith & Votum Contract Opportunities Outreach Meeting – December 10, 2018
4. OCPS Holiday Open House – December 14, 2018

Capital Renewal Program Participation

There is an open question on the participation on Capital Renewal projects. The 22 capital renewal projects classified as large are included in the above total calculation for participation.

The 14 intermediate projects are tracked under the continuing construction management contract. This means sub-contractor participation is reported monthly and included in the overall calculation. However, contract performance and good faith efforts (if necessary) is evaluated at the end of the contract period. Currently, the CM contract is awarded to five firms, two of which (ACY and RL Burns) are MWBEs. RL Burns is also certified as a VBE.

The small projects which are generally procured under the continued general contracting contract are not tracked for sub-contractor participation. However, there are seven prime general contractors, of which 4 of those contractors are certified as an MWBE, LDB or VBE. They are Bishop Construction, Dynamics Group, EL Bailey, and Johnson-Laux. This provides the district an opportunity to increase prime-level construction participation.

Change Orders Report

Facilities & Construction Contracting
December 2018

There are no significant change orders or amendments to report for the month of December 2018.

Change Orders Report

Facilities & Construction Contracting
January 2019

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

Facilities & Construction Contracting

COVE Report for December 2018

CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	CPSC DATE
1	Acceleration East	Additional design to revise contract documents to comply with code requirements for select renovation of expired systems including roof and roof top units replacement for capital renewal project. (Est. Constr. Cost \$2,704,732.00)	MLM-Martin Architects, Inc.	Amendment No. 01 to Work Authorization No. 1301065 for Architectural & Engineering Services RFQ No. 1301PS	\$3,577	Sr. Facilities Executive Director	12/20/18
2	Apopka MS	Additional testing services for corrective measures of repaired area, including soil removal for storm water erosion for Hurricane Irma project.	Professional Service Industries, Inc.	Amendment No. 02 to Work Authorization No. 1517125 for Construction Material Testing Services RFQ No. 1517PS	\$3,817	Sr. Facilities Executive Director	12/13/18
3	Blankner K-8 School	Reconciliation of DCD 01(\$8,414.34) for design revisions for current conformed set of documents resulting in reduction of anticipated cost to complete project for select renovations, upgrade and replacement of existing building systems, capital renewal project.	BRPH Architects-Engineers, Inc.	Amendment No. 03 to Agreement No. 1405SCON001BRPH for Architectural & Engineering Services RFQ No. 1405PS	\$8,414	Sr. Facilities Executive Director	12/6/18
4	District-Wide	Staffing plan modifications due to personnel changes and position reclassification to support projects workload for 01/01/2018 through 12/31/2018 for program management contract.	WSP USA Inc.	Amendment No. 18 to Agreement No. 15PM05CONPARSONS for Program Management Support Services RFQ No. 15PM05	\$0	Sr. Facilities Executive Director	12/6/18
5	District-Wide	Staffing plan modifications due to personnel changes for 01/01/2018 through 12/31/2018 for program management contract.	Cost Management, Inc. d/b/a CMI	Amendment No. 17 to Agreement No. 15PM21CONCMI for Program Management Support Services RFQ No. 15PM21	\$0	Sr. Facilities Executive Director	12/6/18
6	District-Wide	Staffing plan modifications due to personnel changes for 01/01/2018 through 12/31/2018 for program management contract.	Cost Management, Inc. d/b/a CMI	Amendment No. 18 to Agreement No. 15PM21CONCMI for Program Management Support Services RFQ No. 15PM21	\$0	Sr. Facilities Executive Director	12/6/18

Facilities & Construction Contracting

COVE Report for December 2018

CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	CPSC DATE
7	District-Wide	Staffing plan modifications due to personnel changes and position reclassification to support projects workload for 01/01/2018 through 12/31/2018 for program management contract.	WSP USA Inc.	Amendment No. 19 to Agreement No. 15PM05CONPARSONS for Program Management Support Services RFQ No. 15PM05	\$0	Sr. Facilities Executive Director	12/6/18
8	District-Wide	Staffing plan modification due to personnel changes 01/01/2018 through 12/31/2018 for program management contract.	Cost Management, Inc. d/b/a CMI	Amendment No. 19 to Agreement No. 15PM21CONCMI for Program Management Support Services RFQ No. 15PM21	\$0	Sr. Facilities Executive Director	12/20/18
9	Lake Gem ES	Building envelope consulting services during design, construction closeout and warranty phases for comprehensive project.	Gale Associates /South/, Inc.	Amendment No. 01 to Work Authorization No. 1307106 for Building Envelope Consultant Services RFQ No. 1307PS	\$22,935	Sr. Facilities Executive Director	12/6/18
10	Olympia HS	Additional pre-renovation surveying to comply with National Emissions Standards for Hazardous Air Pollutants to add Building 10 for building systems renovation, capital renewal project.	EE&G Environmental Services, LLC	Amendment No. 01 to Work Authorization No. 1209083 for Environmental Consulting Services RFQ No. 1209PS	\$4,314	Sr. Facilities Executive Director	12/13/18
11	Pine Hills Bus Depot	Additional subsurface exploration at fuel station site to assess the extent of loose soils for comprehensive project.	Professional Service Industries, Inc.	Amendment No. 01 to Work Authorization No. 1517178 for Geotechnical & Environmental Services RFQ No. 1517PS	\$5,450	Sr. Facilities Executive Director	12/6/18
12	Windermere HS (Site 27-H-W-4)	Additional services for design review, construction, closeout and warranty phases for new school relief project.	Gale Associates /South/, Inc.	Amendment No. 01 to Work Authorization No. 1307065 for Building Envelope Consultant Services RFQ No. 1307PS	\$7,920	Sr. Facilities Executive Director	12/13/18

Facilities & Construction Contracting

COVE Report for December 2018

CHANGE ORDERS APPROVED								
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	CPSC DATE
1	Chain of Lakes MS	Purchase heater equipment to match existing electrical service, replacement of roof exhaust fans (A/E error - \$4,175.33), power to exhaust fan (scope requirement - \$10,906.28), and 47 days time extension for HVAC equipment replacement for existing building systems, capital renewal project.	ACY Contractors, LLC	Work Authorization No. 12CM14053B for Construction Management Services RFQ No. 12CM14	CCD No. 01	\$15,082	Sr. Construction Director	12/13/18
2	Dover Shores ES	Final ODP reconciliation for comprehensive project.	Charles Perry Construction, Inc.	Agreement No. 15CM19SCON001CHARLES for Construction Management Services RFQ No. 15CM19	Change Order No. 05 to GMP AM 01	\$66,162	John T. Morris, Chief Facilities Officer	12/20/18
3	Hillcrest ES	ODP final reconciliation for comprehensive project.	Wharton-Smith, Inc.	Agreement No. 16CM12SCONWHARTON for Construction Management Services RFQ No. 16CM12	Change Order No. 09 to GMP AM 01	\$111,508	John T. Morris, Chief Facilities Officer	12/13/18
4	Jones HS	Installation of additional storm manhole and reinforced concrete pipe to tie into existing manhole riser for new home team field house, visitor's field house, parking lots, ticket booths and field improvements for district capital project.	ACY - JCB A Joint Venture, LLC	Agreement No. 14CM26SCONACY-JCB for Construction Management Services RFQ No. 14CM26	Change Order No. 04 to GMP AM 01	\$12,474	Sr. Construction Director	12/20/18
5	Pine Hills ES Replacement	Final ODP reconciliation 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. 02 to GMP AM 01	\$343,359	John T. Morris, Chief Facilities Officer	12/13/18
6	Ronald Blocker Educational Leadership	GMP reconciliation for elevator modernization for district capital project.	H. J. High Construction Company	Work Authorization No. 12CM14014B for Construction Management Services RFQ No. 12CM14	Change Order No. 04	(\$4,663)	John T. Morris, Chief Facilities Officer	12/20/18
7	Windermere HS (Site 27-H-W-4)	GMP reconciliation for new school relief project.	Wharton-Smith, Inc.	Agreement No. 15CM13SCONWHARTON for Construction Management Services RFQ No. 15CM13	Change Order No. 09 to GMP AM 02	(\$684,524)	John T. Morris, Chief Facilities Officer	12/13/18
8	Windermere HS (Site 27-H-W-4)	GMP reconciliation for early site-package site-work, new school relief project.	Wharton-Smith, Inc.	Agreement No. 15CM13SCONWHARTON for Construction Management Services RFQ No. 15CM13	Change Order No. 13 to GMP AM 01	(\$231,637)	John T. Morris, Chief Facilities Officer	12/13/18

Facilities & Construction Contracting

COVE Report for January 2019

CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	CPSC DATE
1	Boone HS	Additional design services for Building 500 HVAC replacement, capital renewal project. (Est. Constr. Cost \$175,000.00)	BRPH Architects-Engineers, Inc.	Amendment No. 06 to Agreement No. 1405SCON002BRPH for Architectural & Engineering Services RFQ No. 1405PS	\$15,368	Sr. Facilities Executive Director	1/31/19
2	Boone HS	Additional air monitoring during abatement activities in Building 400 for upgrade and replacement of expired systems, capital renewal project.	EE&G Environmental Services, LLC	Amendment No. 05 to Work Authorization No. 1209141 for Environmental Consulting Services RFQ No. 1209PS	\$1,924	Sr. Facilities Executive Director	1/31/19
3	Colonial HS	Reconciliation of CCD 01 (\$1,506.56) to update construction documents for permit ready electrical drawings necessary due to unforeseen conditions identified during track demolition for the athletic track expansion, capital renewal project. (Est. Constr. Cost \$37,252)	Rhodes & Brito Architects, Inc.	Amendment No. 04 to Agreement No. 1411SCON001RHODES for Architectural & Engineering Services RFQ No. 1411PS	\$1,507	Sr. Facilities Executive Director	1/31/19
4	District-Wide	Staffing schedule modification to add new sub consultant for continuing contract.	MLM-Martin Architects, Inc.	Amendment No. 05 to Agreement No. 1301CCONMLM for Architectural & Engineering Services RFQ No. 1301PS	\$0	Sr. Facilities Executive Director	1/31/19
5	District-Wide	Staffing modification to update various personnel and sub consultants for continuing contract.	Baker Barrios Architects, Inc.	Amendment No. 07 to Agreement No. 1301CCONBAKER for Architectural & Engineering Services RFQ No. 1301PS	\$0	Sr. Facilities Executive Director	1/31/19
6	District-Wide	Staffing modification to add sub consultant for continuing contract.	AVCON, Inc.	Amendment No. 03 to Agreement No. 1306CCONAVCON for Structural Engineering Services RFQ No. 1306PS	\$0	Sr. Construction Director	1/24/19

Facilities & Construction Contracting

COVE Report for January 2019

CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	CPSC DATE
7	District-Wide	Legal name change to Wood Environment & Infrastructure Solutions, Inc. for surveying services, continuing contract.	AMEC Environment and Infrastructure, Inc.	Amendment No. 01 to Agreement No. 1523CCONAMEC for Surveying Services RFQ No. 1523PS	\$0	John T. Morris, Chief Facilities Officer	1/17/19
8	Elementary School Site 85-E-W-4	Additional services for traffic and pedestrian study for a rotary electrical transformer sensor analysis to obtain development plan approval from Orange County for new school relief project.	AVCON, Inc.	Amendment No. 01 to Work Authorization No. 1515158 for Civil Engineering Services RFQ No. 1515PS	\$8,658	Sr. Construction Director	1/31/19
9	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.	ECS-Florida, LLC	Amendment No. 01 to Work Authorization No. 1517081 for Geotechnical & Environmental Services RFQ No. 1517PS	\$0	Sr. Facilities Executive Director	1/24/19
10	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.	Madrid Engineering Group, Inc.	Amendment No. 01 to Work Authorization No. 1517080 for Geotechnical & Environmental Services RFQ No. 1517PS	\$0	Director, Real Estate Management	1/24/19
11	Jones HS	Additional retro-commissioning services for select renovation of existing building systems, capital renewal project.	Hanson Professional Services, Inc.	Amendment No. 01 to Work Authorization No. 1201090 for Commissioning Services RFQ No. 1201PS	\$11,143	Sr. Facilities Executive Director	1/10/19
12	Pine Hills Transportation	Staffing schedule modification to replace personnel for comprehensive project.	Ajax Building Corporation	Amendment No. 04 to Agreement No. 1510DBSCONAJAX for Design Build Services RFQ No. 1510DB	\$0	Sr. Construction Director	1/17/19
13	Timber Springs MS Site 21-M-E-2	Additional geotechnical services at interior track to understand the extent of the wet soils and underdrain systems for new school relief project.	Terracon Consultants, Inc.	Amendment No. 01 to Work Authorization No. 0803353 for Geotechnical & Environmental Services RFQ No. 0803PS	\$5,600	Sr. Facilities Executive Director	1/10/19

Facilities & Construction Contracting

COVE Report for January 2019

CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	CPSC DATE
14	Winegard ES Replacement	Additional geotechnical services to perform five (5) design level borings for new school replacement project.	Terracon Consultants, Inc.	Amendment No. 01 to Work Authorization No. 1517123 for Geotechnical & Environmental Services RFQ No. 1517PS	\$4,040	Sr. Construction Director	1/24/19

Facilities & Construction Contracting

COVE Report for January 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	Elementary School Site 49-E-W-4	Installation of segmented retaining wall on the south property line to prevent any rework and disruption of future school operations for prototype new school relief project.	Welbro Building Corporation, Inc.	Agreement No. 17CM12SCONWELBRO for Construction Management Services RFQ No. 17CM12	Change Order No. 02 to GMP AM 01	\$123,008	Superintendent / John T. Morris, Chief Facilities Officer	1/17/19
2	Middle School Site 37- M-SW-4	Additional estimated Owner Direct Purchases (ODP) for new school relief project.	Wharton-Smith, Inc.	Agreement No. 16CM29SCONWHARTON for Construction Management Services RFQ No. 16CM29	Change Order No. 04 to GMP AM 01	(\$1,000,000)	John T. Morris, Chief Facilities Officer	1/31/19
3	Pershing School 208-K8- SE-3	All work associated with modifying the fire alarm system to a full voice evacuation system and 18 days time extension for prototype new school replacement project.	Williams Company Building Division, Inc.	Agreement No. 16CM27SCONWILLIAMS for Construction Management Services RFQ No. 16CM27	CCD No. 02 to GMP AM 02	\$147,000	Superintendent / John T. Morris, Chief Facilities Officer	1/24/19
4	Timber Creek HS	Incorporation of fire alarm system design into GMP scope initially accounted for under the GMP allowance of \$500,000 due to design document for the fire alarm replacement not completed at issuance of GMP. GMP allowance is reallocated to the electrical subcontract for \$372,502.92 with remaining balance (\$127,497.08) to Owner's contingency for the capital renewal project.	Gilbane Building Company	Agreement No. 14CM17SCON003GILBANE for Construction Management Services RFQ No. 14CM17	CCD No. 01 to GMP AM 01	\$0	Sr. Facilities Executive Director	1/31/19
5	Union Park ES	Reconciliation of CCD 01 (\$119,900.00) for roadway drainage revisions to flow into school's onsite pond, additional piping and storm structures and modifications to lift station pump and assembly to meet Orange County Utilities' flow requirement 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. 03 to GMP No. 01	\$105,022	Superintendent / John T. Morris, Chief Facilities Officer	1/10/19

OCPS FACILITIES & CONSTRUCTION CONTRACTING
RFQs in Progress: FEBRUARY 2019

No.	Contract Description	Pre Submittal Meeting	Open Date	Shortlist Meeting	Interview Meeting	Board / CFO Date	Construction Cost	Status
RFQ 1901PS	AE Services for Riverdale ES & Lakeville ES Capital Renewal Projects	1/18/2019	2/5/2019	2/13/2019	2/26/2019	4/9/2019	\$6,050,000.00	On-Going
RFQ 19CM02	CM Services for Riverdale ES & Lakeville ES Capital Renewal Projects	1/29/2019	2/12/2019	2/27/2019	3/14/2019	4/9/2019	\$6,050,000.00	On-Going
RFQ 1903PS	AE Services for Orange Technical College, Westside Campus Replacement Project	1/29/2019	2/19/2019	3/5/2019	3/19/2019	4/9/2019	\$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	Project Elements													Budget / Committed			Project Cost / Construction Cost				Construction Schedule												
						Site	Roofing	Structural	Exterior	Interior	Mechanical	Electrical	Plumbing	Life Safety	Technology	Conveyance	Specialties	Required Budget	Assigned to Date	Balance Uncommitted	Estimate Total Cost	Construction Amount	Change Orders	ODP	NTP	Substantial Completion	Closed (Forecast)	Days Past Subst. Compl. (close-out)										
																			FY13 - FY19			FY13 - FY20	Base	Amount	#	Deducts	#											
CAPITAL RENEWAL BUDGET																																						
BOARD APPROVED BUDGET													304,828,376			377,128,376																						
PLANNING PHASE																																						
College Park MS	11-Yr	NE	N0075.1	Sm	G5		✓										140,000	-	140,000	140,000	125,000	-	-	-	-													
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	✓				✓	✓		✓	✓		360,948	51,948	309,000	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	-	-	-	-														
Stone Lakes ES	13-Yr	NE	N0143.6	Sm	G4					✓						275,000	910	274,090	275,000	250,000	-	-	-	-														
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	-	-	-	-														
West Oaks ES	15-Yr	NW	N0143.7	Sm	G4					✓						275,000	1,048	273,952	275,000	250,000	-	-	-	-														
Windermere ES	13-Yr	NW	N0143.8	Sm	G4					✓						275,000	1,048	273,952	275,000	250,000	-	-	-	-														
Winter Park HS	14-Yr	NE	N0093.0	Lg	G3					✓	✓	✓	✓			1,188,000	-	1,188,000	9,900,000	7,600,000	-	-	-	-														
Unplanned Small Projects (Note 2)													64	Sm	Unplanned: 19 in FY19 and 45 in FY20					2,850,000	-	2,850,000	9,600,000	8,000,000														
SUBTOTAL - PLANNING													15 Projects (excludes unplanned Sm projects)			8,207,944	363,590	7,844,354	62,300,000	48,335,000	-	-	-	-														
DESIGN / PRE-CONSTRUCTION PHASE																																						
Acceleration East	17-Yr	NE	N0084.0	Lg	G4		✓			✓						3,161,000	234,032	2,926,968	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	-	-	-	-														
Citrus ES	20-Yr	NW	N0057.1	Int	G3				✓		✓					385,000	-	385,000	385,000	350,000	-	-	-	-														
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	-	-	-	-														
Gotha MS	25-Yr	NW	N0032.0	Lg	G5				✓		✓	✓	✓			10,888,000	822,486	10,065,514	10,888,000	8,585,287	-	-	-	-														
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	-	-	-	-														
Winter Park HS	14-Yr	NE	N0098.0	Int	G3					✓						500,000	26,800	473,200	500,000	419,193	-	-	-	-														
Wolf Lake MS	13-Yr	NW	N0086.0	Int	G4					✓						1,324,818	178,349	1,146,469	1,244,000	525,000	-	-	-	-														
SUBTOTAL - DESIGN													19 Projects			48,345,981	5,337,539	43,008,442	72,071,000	55,519,945	-	-	-	-														

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

Project Elements

Inventory Group Filter: G3,G4,G5,G6

Location	Age (Wt'd)	Maint. Area	Project Number	Size	Gp	Project Elements												Budget / Committed			Project Cost / Construction Cost				Construction Schedule												
						Site	Roofing	Structural	Exterior	Interior	Mechanical	Electrical	Plumbing	Life Safety	Technology	Conveyance	Specialties	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	21,192,915	3,808,085	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	4,264,517	1,489,483	5,754,000	4,126,473	-	-	-	-	02/11/19A	12/20/19		
Freedom HS	16-Yr	SS	N0143.5	Sm	G4						✓														111,593	101,448	10,145	111,593	101,448	-	-	-	-	01/28/19A	05/28/19		
Lake Nona HS	10-Yr	SS	N0143.2	Sm	G5						✓														163,000	155,570	7,430	163,000	155,570	-	-	-	-	01/08/19A	03/18/19		
Lake Nona HS	10-Yr	SS	N0143.3	Sm	G5						✓														199,000	189,452	9,548	199,000	189,452	-	-	-	-	01/08/19A	03/18/19		
Memorial MS	11-Yr	SS	N0143.4	Sm	G5						✓														244,000	232,825	11,175	244,000	232,825	-	-	-	-	03/02/16A	03/20/19		
Oakshire ES	20-Yr	SS	N0061.1	Int	G3																				496,000	396,789	99,212	496,000	-	-	-	-	01/28/19A	03/28/19			
Odyssey MS	19-Yr	NE	N0067.0	Lg	G3		✓				✓	✓		✓	✓										5,521,000	3,738,104	1,782,896	5,521,000	3,657,577	-	-	-	-	02/04/19A	11/27/19		
Olympia HS	19-Yr	NW	N0033.2	Lg	G3		✓		✓		✓			✓	✓										16,575,000	15,100,921	1,474,080	16,575,000	13,232,879	-	-	-	-	12/12/18A	02/11/20		
OTC-Avalon Campus	11-Yr	NE	N0143.1	Sm	G4						✓														184,181	168,315	15,866	184,181	167,437	-	-	-	-	01/28/19A	05/14/19		
Timber Creek HS	20-Yr	NE	N0037.2	Lg	G3		✓		✓		✓			✓	✓										16,958,000	16,331,769	626,231	16,958,000	13,982,080	-	-	(2,625,953)	1	07/05/18A	08/30/19		
SUBTOTAL - CONSTRUCTION 12 Projects																																					
77,456,774 68,004,434 9,452,339 77,456,774 58,484,338 (397,727) 3 (5,693,680) 5																																					
CLOSE-OUT																																					
Chain of Lakes MS	21-Yr	NW	N0076.0	Int	G3						✓	✓	✓												1,761,000	1,615,500	145,499	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	-	-	(195,000)	1	04/13/18A	08/13/18A	04/09/19	
Citrus ES	20-Yr	NW	N0057.2	Int	G3																				496,000	310,651	185,349	496,000	-	-	-	-	01/10/19A	01/25/19A	03/26/19		
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	1,643,033	10,967	1,654,000	1,516,475	-	-	(322,800)	1	01/18/18A	08/07/18A	04/09/19	
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	04/09/19	
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	04/09/19	
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	04/09/19	
Lawton Chiles ES	20-Yr	NE	N0060.1	Int	G3																				410,000	363,699	46,301	410,000	-	-	-	-	10/22/18A	11/09/18A	03/12/19		
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	04/09/19	
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	03/25/19	
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	04/09/19	
Ridgewood Park ES	13-Yr	NW	N0063.2	Int	G4																				410,000	354,991	55,009	410,000	-	-	-	-	09/17/18A	09/28/18A	03/12/19		
Riverdale ES	21-Yr	NE	N0064.1	Int	G5																				410,000	337,194	72,806	410,000	-	-	-	-	09/04/18A	09/21/18A	03/12/19		
Southwood ES	22-Yr	SS	N0065.1	Int	G5																				410,000	309,716	100,285	410,000	-	-	-	-	12/21/18A	01/10/19A	03/11/19		
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	04/09/19	
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	04/09/19	
SUBTOTAL - CLOSE-OUT 17 Projects																																					
28,885,001 26,527,921 2,357,079 28,885,001 21,667,333 668,776 14 (3,181,827) 12																																					
PREVIOUSLY COMPLETE 134 Projects																																					
41,656,931 38,834,603 2,822,328 41,656,931 35,756,168 1,139,130 28 (1,990,930) 17																																					
GRAND TOTAL 197 Projects																																					
\$ 204,552,630 \$ 139,068,087 \$ 65,484,543 \$ 282,369,705 \$ 219,762,784 \$ 1,410,179 45 \$ (10,866,437) 34																																					

Available Thru FY19 \$ 100,275,746

Available Thru FY20 \$ 94,758,672

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 Update as of March 21, 2019

There are 46 active projects (22 large, 14 intermediate, 10 small) currently in progress for improvements at 39 sites, with an estimated total cost of \$202.2M and construction cost of \$154.3M. These include 15 projects in planning, with an estimated total cost of \$52.7M; 19 projects in design, with an estimated total cost of \$72.1M; and 12 projects in construction, with an estimated total cost of \$77.5M. The estimated cost of projects in each phase and the total estimated cost of active projects is little changed from the last report.

Five small projects and one intermediate project have been added since the last report. These include small chiller replacement projects at Stone Lakes, West Oak and Windermere Elementary Schools, currently in the planning phase; another small chiller replacement for Orange Technical College – Avalon Campus currently under construction; and a small heating, ventilating and cooling (HVAC) project at Freedom High School, also under construction. An intermediate project for renovation of the drainage system for the Boone High School softball field was also added and is currently under design. The intermediate project for replacement of the Colonial High School track was completed since the last update.

Except for these new and completed projects, there have been no changes to the projects listed in each phase.

Several projects are nearing construction commencement. We have reached agreement on Guaranteed Maximum Price (GMP) proposals for intermediate projects at Southwood Elementary School (building envelope and HVAC) and Northlake Park Elementary School (building 200 HVAC system), a large campus-wide project at Gotha Middle School and another large project addressing the gymnasium at Ocoee Middle School. All of these projects are scheduled for construction commencement in March. The Southwood and Northlake Park projects are projected for completion towards the end of the summer, with completion of the Ocoee project anticipated by the end of 2019. The Gotha project will extend into 2020.

Additionally, we have completed negotiations and are currently processing final GMP proposals for large campus-wide projects at Pinewood and Oakshire Elementary Schools, and an intermediate campus-wide project at Lawton Chiles Elementary Schools. These projects are scheduled for commencement in April. The Lawton Chiles project is scheduled for completion this summer, while the Oakshire and Pinewood projects will extend into summer, 2020. An intermediate HVAC project addressing the HVAC system in Building 700 at Winter Park High School will also commence in April.

A large HVAC and roofing project at Acceleration East, an intermediate paving project at Ridgewood Park Elementary School, and an intermediate campus-wide project at Ocoee Middle School are projected to commence later in the spring. The Boone High School softball field drainage renovations will also commence in late spring, as will a project at Citrus Elementary School addressing building envelope and intercom system issues. Commencement of the Jones High School campus-wide project that was delayed due to termination of the agreement with the previously selected construction manager is now scheduled for early July.

The large and intermediate projects scheduled to commence in the first half of 2019 represent \$41.4M of anticipated construction contract awards in 2019. Another \$25.7M of contract awards are anticipated by year's end.

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

Due to the delay in commencement of the Jones High School project, the forecasted balance of unused capital renewal funds through the end of FY 2019 increased to \$100.3M. The total available for new, unplanned requirements through the end of FY 2020 is approximately \$94.8M which is unchanged since the last report.

Capital Renewal Update as of March 21, 2019

Changes since 2/21/18

Planning

- New Project
 - 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 Boone HS – N0143.9 Softball Field Drainage

Construction

- New Project
 - o Freedom HS – N0143.5 Bldg. 900 HVAC
 - o OTC-Avalon Campus – N0143.1 Chiller Replacement
- Moved to Closeout
 - o Colonial HS – N0035.1 Track Resurfacing

Close-Out

- Moved from Construction
 - o Colonial HS – N0035.1 Track Resurfacing

Capital Renewal Update as of March 21, 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 March 21, 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 March 21, 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 as of March 21, 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

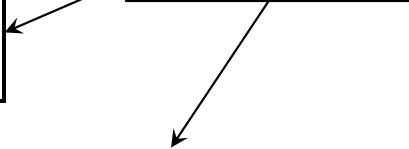
- NE - Northeast Maintenance Area
- NW - Northwest Maintenance Area
- SS - Super South Maintenance Area

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

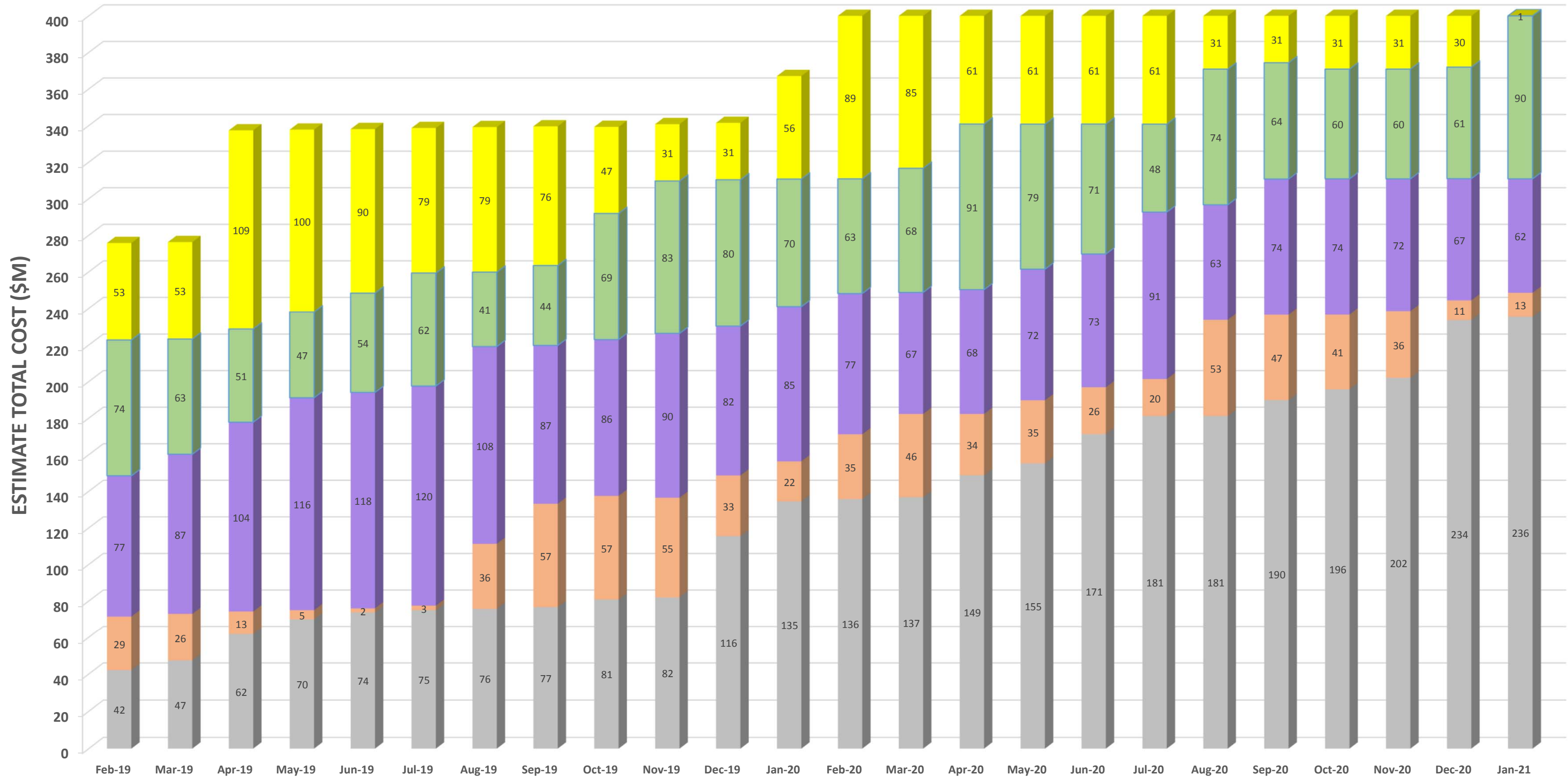
Abbreviations

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

Completed Close-Out Construction Design Planning

Capital Renewal Forecast

Reporting Period: Feb 2019 - Jan 2021





Communications Update

Curb Appeal
Public Relations and Media Relations

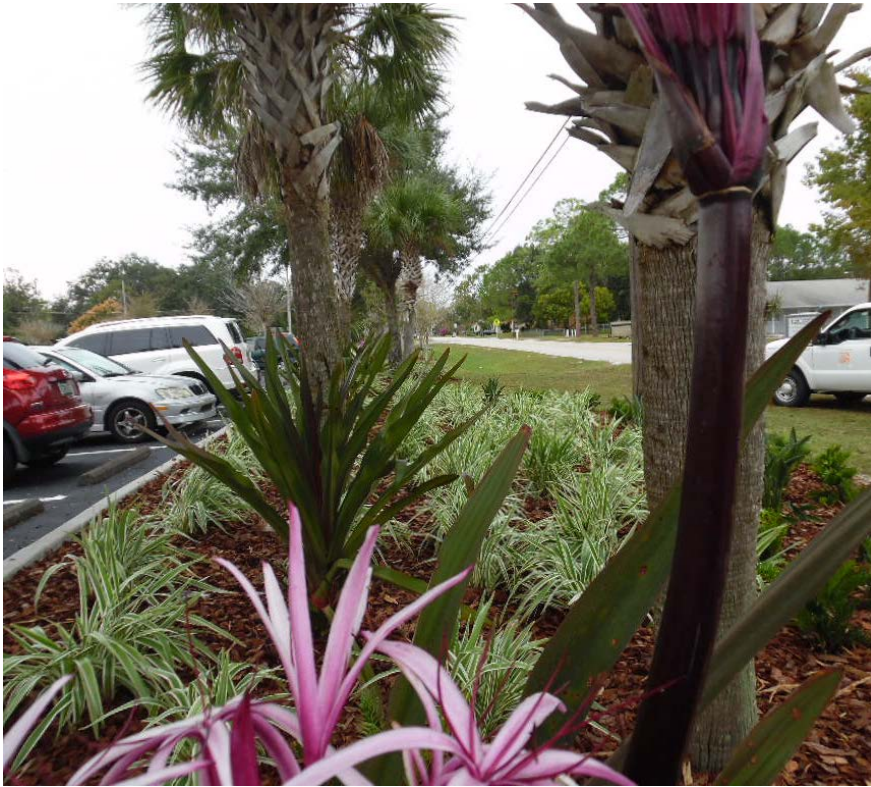
Lauren Roth
Senior Manager, Facilities Communications



Curb Appeal

- 23 schools completed during 2017-18 school year
- 21 schools to be completed shortly for the 2018-19 school year
- 19 schools scheduled for Curb Appeal during the 2019-20 school year
- Sites identified by board members
- Projects vary, but may include irrigation repairs and improvements, plantings, mulch
- Schools volunteers help spread mulch – creates sense of pride

Project Highlights



District 1 – Bonneville ES



District 2 – Pinar ES

Project Highlights



District 3 – Endeavor ES



District 4 – Gotha MS

Project Highlights



District 5 – Orange Center ES



District 6 – Ridgewood Park ES

Project Highlights



District 7 - Wolf Lake MS



Chair's Pick - RBELC


2018-19 Curb Appeal Sites

These sites are hosting Curb Appeal projects this school year, by School Board member:

- Bonneville Elementary School (1)
- Eccleston Elementary School (5)
- Endeavor Elementary School (3)
- Esteem Academy (Chair)
- Gateway School (Chair)
- Gotha Middle School (4)
- Killarney Elementary School (6)
- Lakeville Elementary School (7)
- McCoy Elementary School (3)
- Orange Center Elementary School (5)
- Orlo Vista Elementary School (5)
- Pinar Elementary School (2)
- Positive Pathways (Chair)
- Ridgewood Park Elementary School (6)
- RBELC (Chair)
- Rosemont Elementary School (6)
- Silver Star Center (Chair)
- Three Points Elementary School (2)
- Union Park Middle School (1)
- Whispering Oak Elementary School (4)
- Wolf Lake Middle School (7)

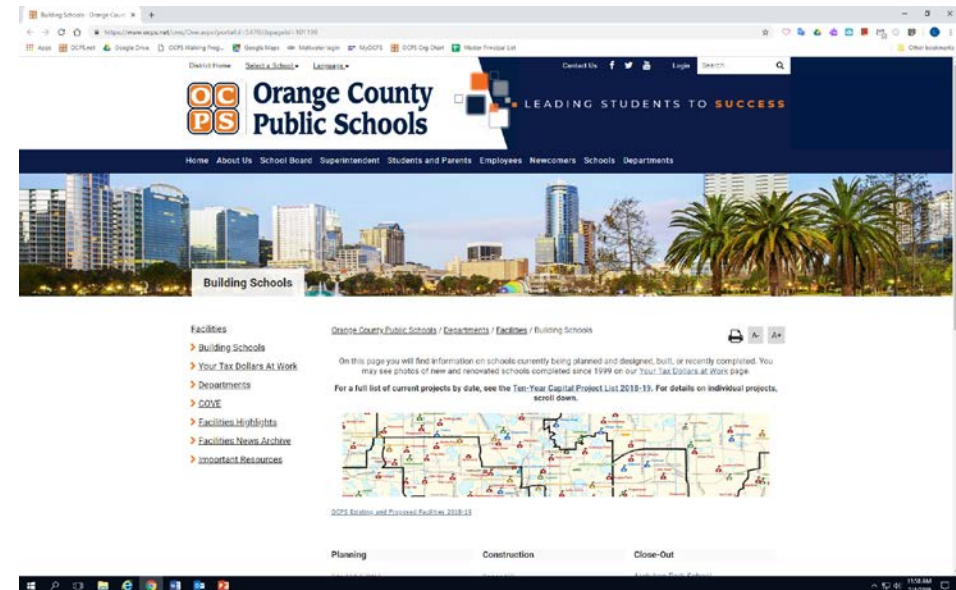
2019-20 Curb Appeal Schools

These schools are scheduled for Curb Appeal during the 2019-20 school year:

- Apopka High School (7)
 - Apopka Middle School (7)
 - Avalon Middle School (2)
 - Boone High School (3)
 - Camelot Elementary School (1)
 - Castle Creek Elementary School (1)
 - Cherokee School (Chair)
 - College Park Middle School (3)
 - Conway Middle School (3)
 - Discovery Middle School (2)
 - Howard Middle School (6)
 - John Young Elementary School (3)
 - Moss Park Elementary School (2)
 - Ocoee High School (7)
 - Palm Lake Elementary School (4)
 - Pineloch Elementary School (5)
 - University High School (1)
 - West Creek Elementary School (4)
 - Washington Shores PLC (5)
- 

Facilities Communications

- Facilities.ocps.net is a repository of Facilities information, including fact sheets, 10-year construction plans and maps
- 80+ community meetings held per year
- Sneak Peeks
- Dedications
- Media inquiries



Community Meetings



Purpose:

- We want to inform and engage communities and residents in the plan
- To gather input during the design phase
- To provide construction progress updates to the community

Community Meetings

- Pre-Planning Information
- 10% Design – Scope of Work
- 30% Schematic Design
- 60% Design Development
- 100% Design Completion/Construction Kickoff
- 40% Construction
- Groundbreaking
- Sneak Peek
- Dedication

Sustainability

Building

- 10% more energy efficient than ASHRAE 90.1 standard
- High Efficiency Chillers (15% energy reduction)
- Light colored roof to reduce heat gain and improves energy performance
- Energy Efficient LED Lighting
- Energy Star rated equipment

Building/Site

- Water saving toilets, faucets, and fixtures
- All classrooms have daylighting
- Over 75% of ALL spaces have daylighting
- Thermal efficient windows/glazing
- Native/low water plants – reduce water consumption
- Low Impact Design (LID) stormwater design



Thank You!
Questions & Answers

March 21, 2019

COVE Update

Prototypes and Design Guidelines



**Orange County
Public Schools**

Agenda

Benefits of Prototypes

OCPS Prototypes

Modification of Prototypes

CP205 Process

Design Guidelines

Benefits of Prototypes to OCPS

Assured quality

Equity

Consistency

Schedule

Cost Savings

OCPS Prototypes

Elementary Schools

K8 Schools

Middle Schools

High Schools

Modifications to Prototypes

New Educational Programs

Technology updates

Code and SREF updates

Stakeholder Requests –CP205's

Student Station Count

CP205 Process

Process to modify prototypes via stakeholder request

CP205 Form describing request

- Description of proposed change
- Date to implement
- Estimated cost
- Funding source
- Program impact

CPSC (Capital Program Steering Committee) approval required

CFO approval

Design Guidelines

Site

Athletics

Playgrounds

Educational Programs

High School Career and

Technical Labs

Equipment and Specialties

Media Centers

High School Cafeterias

Furniture

Finishes

Building Envelope

Building Systems

Electrical

Safety and Security

SITE

- Tubular steel barrier gates incorporated at entrances/exit drives
- New DG 50 50 00 for design of school zones, crossings and signage
- Marquee sign: Changed from static to LED sign and added in front of all schools

Athletics

- Synthetic track surface at high schools
- Track certification and testing clarified
- Bermuda grass on practice fields at high schools



ELEMENTARY SCHOOL SITE

Covered Play Area

- Adjacent paved play area
- Ceiling fans
- Bottle filler at water coolers
- Adapted PE area under the canopy
(for schools with ESE cluster
physically impaired students)



PLAYGROUNDS

Tot lot

- Mulch to rubberized play surface
- Shade structure



ESE Inclusive playground

- Schools with ESE cluster physically impaired students
- Ramp vs. transfer point
- Rubberized play surface
- **All kids can play together!**



EDUCATIONAL PROGRAMS

ESE physically impaired classroom design guidelines

- Food prep area with upper and sink base cabinets, microwave and small refrigerator
- Large toilet rooms for changing table and mobile lift
- Wider doors
- Automatic doors at core spaces as required



High School Career and Technical Labs

- Varies from school to school
- Business Education and Information Technology
- Culinary, Hospitality and Tourism
- Engineering Education
- Health Science Education
- Project Lead the Way



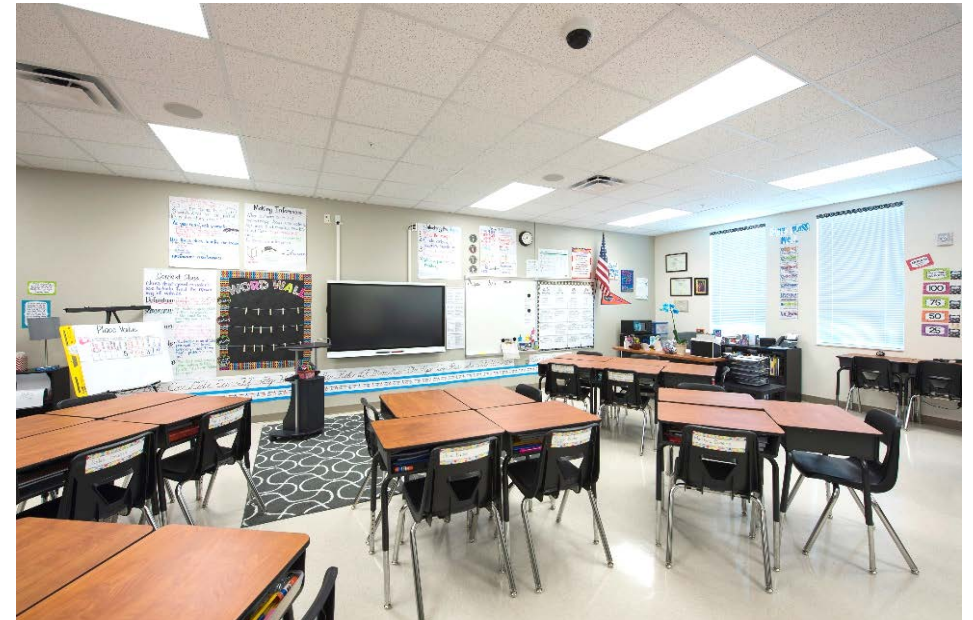
Collaborative Spaces at K8's and Middle Schools

- Multiple uses for adjacent classrooms
- Flexible Furniture
- Being studied for future elementary school prototype



EQUIPMENT AND SPECIALTIES

- LED TV menu boards at Cafeteria serving lines
- Owner furnished toilet accessories vs. contractor furnished
- Updated Design Guidelines for greenhouses and shade houses
- Track bleachers at K8 schools
- Light Raise projection system to instructional interactive flat panel in all classrooms



MEDIA CENTERS

- More electronic media, reduced number of bookshelves
- Flexible tables and chairs
- “Genius bar” tables
- Soft seating



HIGH SCHOOL CAFETERIAS

- School spirit graphics
- Variety of seating types
- “Genius bar”







HIGH SCHOOL CAFETERIA
TIMBER CREEK HIGH SCHOOL



HIGH SCHOOL CAFETERIA
TIMBER CREEK HIGH SCHOOL

FURNITURE

Innovative classroom furniture update for elementary, K8 and middle schools opening in 2020

- Flexible furniture for multiple configurations
- Supports individual and group learning
- New teacher's desk set configuration
- Mobile storage



FINISHES

- Standard exterior and interior color palette
- Standard ceiling finishes and heights
- Stage to have black walls, base, flooring and ceiling tiles
- New design guidelines for stone window sills



BUILDING ENVELOPE

Roofing

- Single Ply Membrane (previously modified bitumen built up)
- Roof penetrations minimized by restricting roof top equipment

Doors

- Exterior doors are hollow metal
- Aluminum with glazing at main entry



BUILDING SYSTEMS

HVAC

- Air cooled chillers for Middle and High Schools (reduced maintenance)
- Bi-Polar Ionization
 - Improves indoor air quality
 - Reduces chiller tonnage (60 ton reduction on Elementary Schools, 80 ton reduction on K8 schools)
 - Reduces outside air requirements and ductwork sizes



BUILDING SYSTEMS

Plumbing

- Metering of all water and gas to kitchens (identifies OCPS use versus tenant use)
- Hot water to all hand sinks

Fire Alarm

- Voice Evacuation provided (code requirement)

BUILDING SYSTEMS

Electrical

- LED Lighting
 - Significant decrease in power consumption (30% less than fluorescent)
 - Lifespan of up to 10 years; reduction in maintenance (fewer lamp changes)

	Incandescent	CFL	LED
Approximate Cost per bulb	\$1	\$2	\$8 or less
Average lifespan	1,200 hours	8,000 hours	25,000 hours
Watts used	60W	14W	10W
No. of bulbs needed for 25,000 hours of use	21	3	1
Total purchase price of bulbs over 23 years	\$21	\$6	\$8
Total cost of electricity used (25,000 hours per kWh)	\$180	\$42	\$30
Total operational cost over 23 years	\$201	\$48	\$38

Source: Johnson, H. (2017). Light bulb showdown: LED vs. CFL vs. incandescent. The Simple Dollar.

ELECTRICAL

Emergency Generator

- Assurance of 90 minute operation duration (battery packs run out)
- Eliminates possibility of battery fires
- Eliminates maintenance cost on battery replacement for emergency lighting wall pack fixtures

Computer Receptacles

- Digital 1:1 (devices for each student) reduces the quantity of receptacles needed in each classroom
- Lap top charging carts provided vs. desk top computers in classrooms
- One receptacle for lap top carts vs. hardwired computers on multiple dedicated circuits



Questions & Answers

Facilities Condition Assessment - Update

- District Inventory
- Capital Program Elements
- 10-year Capital Program Projections
- Refreshed FCA Database

Basem Ghneim

Program Manager

3/21/19

District Inventory

- Current District inventory
 - 227 Facilities 31.9M Perm GSF
- Inventory organized into groups to:
 - Tailor the assessment approach for each facility
 - Organize for future project planning
 - Align findings with available or proposed funding sources

Inventory Group Structure

Group 2 – Remaining 2003 Sales Tax List

Group 3 – Pre-2003 Sales Tax List

Group 4 – Renovated or New 2003 thru 2007

Group 5 – Renovated or New 2008 thru 2012

Group 6 – Renovated or New 2013 thru 2017

Group 7 – Renovated or New 2018 thru 2022

Repurposed Facilities



FCA Priorities

To best utilize available resources and funds, systems and subsystems are assigned a priority to represent level of importance to the school

Priority 1: Life Safety, Roofing, Air Conditioning, Security


Priority 2: Exterior Doors/Windows, Elevators, Plumbing, Electrical Power, Technology, Perimeter Fencing/Gates, Interior Lighting

Priority 3: Interior Partitions/Doors/Windows, Ceilings, Exterior Lighting, Exterior Finishes, Communications, Paving (Roads, Walks, Parking)

Priority 4: Interior Specialties, Playground Equipment

Priority 5: Interior Finishes, Landscaping, Athletic Facilities

Capital Program Elements

1. Balance of the 2003 Sales Tax “List of 136”
 - 2. Capital Renewal**
 3. Technology Initiative
 4. New Relief Schools
 - 5. Pre-2003 Sales Tax Facilities**
 6. Functional Equity
 - 7. Repurposed Facilities**
- 


10-year Capital Program Projections

- Capital Renewal
 - Groups 4, 5, 6, 7
 - 173 Facilities 24.6M GSF
 - Priorities 1-3
 - Priorities 4-5
 - Pre-Sales Tax List (Life After Original 136 List)
 - Group 3
 - 32 Facilities 4.2M GSF
 - Like-for-Like Comprehensive Renovations
 - Repurposed Facilities
 - 10 Facilities 0.7M GSF
 - Like-for-Like Comprehensive Renovations
 - No Budget to Remodel for New Function
- 


Makeup of FCA Database

- Database organizes District inventory by campus, building, room
- Systems and components are assigned to a Life Cycle model
 - Site systems/components assigned at the campus level
 - All others assigned at building level
- Life Cycle models forecast potential timing and cost of renewal
- Over 700 subsystem types in database
- Nomenclature and expected life follows industry standards
 - Customized for OCPS expected life history

Results of 2018 FCA Refresh

- Updated Life Cycle (LC) Models
 - Expanded System / Subsystem Structure
 - Adjusted Expected Useful Life with OCPS Maintenance
 - Collected new data through comprehensive field assessments
 - 55 existing campuses (excl. balance of List; comprehensive assessment in 2013; active Capital Renewal projects; under 10-yrs wt'd age)
 - Observed deficiencies
 - Assessed remaining life of systems and components
 - Desktop Modeling to Capture Improvements since 2013
 - Merged existing records with new (collected or desktop)
 - Over 53K records
 - Approximately half of records are legacy data
- 

FCA Database – Cost Projections

- Baseline Costs – 2018 RS Means
 - Applied OCPS experience to Local Cost Index
 - Costs Escalated to Forecasted Year of Construction
 - Observed Deficiencies & Expired Systems (“0-yrs” Remaining Life)
 - Priorities 1-3: spread over 4 year (FY2020 – FY2023)
 - escalated 2-yrs @ 7% per year
 - Priorities 4-5: defer 5 years (not eligible for CR funds): park in FY2024
 - escalated 5-yrs @ 4% per year
 - Future System Renewal Needs
 - Forecast based on remaining useful life & in-kind replacement
 - No budget to accommodate increased enrollment; changes in school programs; or bring campus to current prototype space standards
 - Escalate 4% per year to year of expected “0” remaining life
- 

Renewal Needs FY20 – FY29

	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Capital Renewal Pty 1-3						\$ 907 M				
Capital Renewal Pty 4-5						<u>\$ 288 M</u>				
Capital Renewal						\$1.195 B				
Pre-2003 Sales Tax List						\$487 M				
Repurposed Facilities						\$81 M				

Questions and Discussion



