



# COVE Meeting

CITIZENS' CONSTRUCTION OVERSIGHT AND VALUE ENGINEERING

August 13, 2015

# COVE Meeting Agenda

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Thursday, August 13, 2015 @ 8:00 a.m.  
Facilities Services - Building 200  
6501 Magic Way, Orlando, Florida 32809

- I. School Bus Tour to Apopka Elementary School and Independence Elementary School**
- II. Call to Order and Approval of June 2015 COVE Meeting Minutes**  
– Ksenia Merck – Chairman
- III. Departmental Reports**
  - a. Project Status Update
  - b. Change Order Update
  - c. Capital Renewal Update
- IV. Discussion and Adjournment**

No other Business will be conducted.

We will be boarding the school bus at 8:00 a.m. The estimated time for the trip is 3 to 4 hours.

Next scheduled meeting is September 17, 2015 @ 8 a.m.

# COVE - BUS TOUR 8/13/15

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- ***Apopka Elementary School***

675 W. Old Dixie Hwy  
Apopka, FL 32712

- ***Independence Elementary School***

6255 New Independence Parkway,  
Winter Garden, FL 34787

# COVE Meeting Minutes

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The Construction Oversight and Value Engineering Committee (COVE) monthly meeting convened on Thursday June 25, 2015 at 8:06 a.m., at Facilities Services, 6501 Magic Way, Bldg. 200, Orlando, Florida 32809.

**COVE Members in Attendance:** Ksenia Merck, James Knapp, Douglas Kelly, Fred MacDonald, Mario Cuello and Stuart Kramer.

**OCPS Staff in Attendance:** Dr. Barbara Jenkins, Faz Ali, Regina Frazier-Thomas, Jeff Hart, John Morris, Roberto Pacheco, Mike Winter, Laura Kelly, Toni Greene, Tom Moore, Basem Ghneim and Arman Pourmirza (as scribe).

## Call to Order

A quorum was established and Chairman Ksenia Merck called the meeting to order at 8:06 a.m.

## Approval of Minutes

Mario Cuello asked that construction technology be added to the meeting schedule as a component of the update on digital technology. Chair Merck also added a Lessons Learned in September, which would include an orientation update, and an annual sales tax update.

The minutes from May 21, 2015 were presented and approved unanimously by the Committee.

## Discussion Items

Community Communication was added to the Agenda for discussion.

Mr. Morris discussed how Lauren Roth will be contacting media outlets and communities to establish lines of communication. He also mentioned the importance of community meetings for each school projects in design and construction. He further added that for the upcoming year, starting in August 2015 to June 2016, OCPS will host up to or possibly more than 90 community meetings. Positive changes are also being made to the OCPS Facilities website to ensure that accurate information is presented and shared with the public. The website updates will help inform the public on the progress of the school projects. Mr. Morris also addressed the effort to update the content of the website more frequently.

Dr. Jenkins addressed the duty of the COVE in relation to the media and communicating with the public by stating that COVE has a supporting role of oversight to OCPS and as such they envision COVE as an independent and advisory committee and not one with responsibilities that require consistently addressing media issues. It was stated that all community communications and media affairs to COVE should be addressed to the Committee Chair.

The Committee Chair requested to keep the Community Communication item on the agenda for all COVE meetings.

Dr. Jenkins welcomed a proactive approach to Community Communication and Media Relations and welcomed Lauren Roth, the newly hired OCPS Facilities Communication Sr. Manager, to OCPS.

Mr. Morris also noted that the Real Estate department is reviewing the option of land banking and currently reviewing soliciting the services of a private sector real estate agent/broker to represent the District.

The importance of the correct news story making it to the media, as far as land purchases and site related project matters, was reiterated by Dr. Jenkins and Mr. Morris. Mr. Morris noted that community meetings will be scheduled prior to land acquisitions.

### **Project Status**

Jeff Hart provided a monthly status update for new/replacement and comprehensive projects as well as projects in close-out. He informed the Committee that all eleven projects under construction are tracking on schedule and that the value of these projects is \$273M.

Avalon Area MS (site 21-M-E-2) - New relief MS project originally slated for a construction NTP for this summer has been postponed pending OCPS acquiring additional property.

### **Action Item**

Pat Knipe requested an update on the "List of 136" school projects. The update will be made available at the next COVE meeting.

### **Change Order Report**

Roberto Pacheco reported that during the month of May 2015 there was one significant Change Order that exceeded \$200,000. OCPS Board has reviewed and approved the Change Order.

### **Follow up Item**

Furthermore, Roberto Pacheco outlined a list of RFQ's currently soliciting different services. He also presented the list of LDB and M/WBE firms and all the sub-consultants that have provided Program Management services to OCPS.

### **Capital Renewal Update**

Mike Winter provided an update on the Capital Renewal Program/Project Summary for fiscal year 2014-2016. The report indicated the budget and schedule for each project under planning, design, and construction.

Pat Knipe inquired if we are tracking total dollars on the Capital expenditures. It was acknowledged that this is an accumulation. Judith Padres will produce a summary report to support that data.

### **Demographics, land Maps and CIP Presentation**

Faz Ali and Tom Moore provided an update on Demographics and CIP Projections. The presentation included details on the methodology to project student numbers and how birth rate studies impact the estimation of student counts in various neighborhoods. The birthrates, family demographics and enrollment counts for the entire District were graphically shown. Tom Moore concluded that the data is collected year around and that adjustments are made annually to correct any anomalies effecting enrollment and budget planning projections. Dr. Jenkins highlighted the importance of this scientific methodology and the approach OCPS takes in our planning process and budget projections.

Dr. Jenkins discussed the impact of charter schools on enrollment statistics. Also, she emphasized the notion of updating the 10 year CIP on yearly basis and the importance of that action.

The OCPS magnet programs were discussed and their effects on enrollment was questioned. Enrollment statistics and information for the OCPS magnet programs will be provided.

Pat Knipe asked about the yearly under/over projections of this methodology. Tom Moore will prepare a chart depicting actuals vs. projected for the past few years.

Laura Kelly addressed a question about land banking and if OCPS has any time restrictions on purchasing land and when the actual project is planned for that land. Dr.

Jenkins added that as a public entity our land purchasing policies are need based and not profit driven.

**Vote:**

Two Items were voted on:

1. Cancelling the July COVE meeting.
2. Conducting a tour of the two newly constructed schools for the August COVE meeting which was changed to August 13, 2015.

Both Items Passed.

Chair and Pat Knipe discussed moving sales tax update to the quarterly vs. annual presentations and clarified that in order to properly orient new members of COVE, the timing is best set for September of each year.

Also, Pat Knipe questioned and requested a report on Facility Insurance and Asset Protection which would be provided through the Risk Management Department.

**Adjournment**

There being no further business the meeting was adjourned at 10:00 a.m.

The next meeting will be Thursday, August 13, 2015, at 8 a.m., at Facilities Services, 6501 Magic Way, Bldg. 200, at which time a school bus will be available to provide travel for the tour of two newly constructed schools.

**Minutes Authenticated by:**

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**Ksenia Merck**  
Chairman COVE Committee

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Date of approval

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**Laura Kelly**  
Legal Services Facilities

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Date of approval



**PROJECT STATUS SUMMARY REPORT  
COMPREHENSIVE SCHOOLS**

7/28/2015 F7

Priority #	School Name	F1	F2	F3	Est. Cost At Completion	Variance	GMP Amount	F4		F5		Approved Construction			F6
		Original 2006 Board Adopted Budget	Adopted Budget Changes	Current Board Adopted Budget				Construction Change Orders	OCIP & ODP Change Orders	NTP Construct	Contract Subst. Com	Projected Completion	Number of Days Past Substantial (Close-out)		
		Budget										Schedule			
<b>PLANNING PHASE</b>															
92	Dover Shores ES	16,650,063	5,349,937	22,000,000	22,000,000										
	<b>Sub Total</b>	<b>16,650,063</b>	<b>5,349,937</b>	<b>22,000,000</b>	<b>22,000,000</b>	-	-	-	-						
<b>DESIGN PHASE</b>															
89	Dream Lake ES	19,371,708	(1,445,708)	17,926,000	17,926,000	-									
87	Lockhart ES	19,211,611	(4,099,611)	15,112,000	15,112,000	-									
88	Riverside ES	11,366,870	4,730,130	16,097,000	16,097,000	-									
	<b>Sub Total</b>	<b>49,950,189</b>	<b>(815,189)</b>	<b>49,135,000</b>	<b>49,135,000</b>		-	-	-						
<b>CONSTRUCTION PHASE</b>															
85	Apopka ES Comp	11,435,483	4,318,517	15,754,000	15,602,236	(151,764)	11,548,918	22,954	2	(2,887,230)	2	08/08/2014	11/02/2015		
78	Cypress Creek HS Comp	60,074,403	(1,189,403)	58,885,000	58,880,270	(4,730)	41,999,829	304,082	11	(9,540,000)	4	11/19/2013	02/22/2016		
58	Dr. Phillips HS Comp	58,549,672	8,070,328	66,620,000	66,620,000	-	48,709,730	1,049,045	46	(12,733,838)	4	09/19/2012	03/16/2015		
71	Lake Silver ES Comp	18,006,348	(2,646,348)	15,360,000	15,360,000	-	11,000,440	-	0	-	0	06/05/2015	08/21/2015		
80	Lake Whitney ES Comp	3,964,301	7,517,699	11,482,000	10,105,202	(1,376,798)	6,601,295	12,200	2	(1,225,878)	2	09/19/2014	09/04/2015		
50	Westridge MS Comp (Phase 2)	33,544,083	(1,452,083)	32,092,000	31,413,840	(678,160)	19,760,238	(289,060)	9	(6,940,964)	7	03/06/2015	08/07/2015		
	<b>Sub Total</b>	<b>185,574,290</b>	<b>14,618,710</b>	<b>200,193,000</b>	<b>197,981,548</b>	<b>(2,211,452)</b>	<b>139,620,450</b>	<b>1,099,220</b>	<b>70</b>	<b>(33,327,910)</b>	<b>19</b>				
<b>CLOSE OUT PHASE</b>															
77	Waterford ES Comp	14,942,364	(1,122,364)	13,820,000	13,193,087	(626,913)	9,994,354	44,410	7	(2,404,107)	3	09/04/2013	07/29/2014		364
	<b>Sub Total</b>	<b>14,942,364</b>	<b>(1,122,364)</b>	<b>13,820,000</b>	<b>13,193,087</b>	<b>(626,913)</b>	<b>9,994,354</b>	<b>44,410</b>	<b>7</b>	<b>(2,404,107)</b>	<b>3</b>				
	<b>Grand Total</b>	<b>267,116,906</b>	<b>18,031,094</b>	<b>285,148,000</b>	<b>282,309,635</b>	<b>(2,838,365)</b>	<b>149,614,804</b>	<b>1,143,630</b>	<b>77</b>	<b>(35,732,017)</b>	<b>22</b>				

**Footnotes**

- F1 - Reflects figure from the 10yr Capital Budget dated September 12, 2006.
- F2 - Reflects changes to initial cost projection.
- F3- Figure comprised of prior year expenditures, current and future planned funding (Adopted Summary Budget 2014-2015). There are no land costs included.
- F4 - Reflects total number of change orders and cumulative change order amount. Does not include OCIP and ODP deductive and reconciliation change orders.
- F5 - Reflects the total amount and number of OCIP and ODP deductive and reconciliation change orders to date.
- F6 - Reflects number of days beyond substantial completion. See justification below under Close Out Delays.
- F7 - Report reflects approved changes as of the date reflected.

**Change Orders / Construction Change Directives**

Westridge MS - Figures reflect Phase I and Phase II. Phase II is \$1.5M of the \$32M reflected.

**Close Out**

Awaiting Audit:

Submitted for Audit:

Close Out Delays:

**Waterford ES** – CFI delayed due to AE Punch List verification not yet submitted.





PROJECT STATUS SUMMARY REPORT

NEW AND REPLACEMENT SCHOOLS

7/28/2015 F7

Priority #	School Name	F1 Original 2006 Board Adopted Budget	F2 Adopted Budget Changes	F3 Current Board Adopted Budget	Estimated Cost At Completion	Variance	GMP Amount	F4 Construction Change Orders		F5 OCIP & ODP Change Orders		Approved Construction			F6 # of Days Past Substantial Completion (close-out)
								Amount	#	Deducts	#	NTP	Construct.	Contract Subst. Com	
<b>Budget</b>												<b>Schedule</b>			
<b>PLANNING PHASE</b>															
Relief	Metrowest ES (Onsite Relief)	17,734,781	2,405,299	20,140,080	20,140,080										
	<b>Sub Total</b>	<b>17,734,781</b>	<b>2,405,299</b>	<b>20,140,080</b>	<b>20,140,080</b>	-	-	-	-						
<b>DESIGN PHASE</b>															
Relief	21-M-E-2 (Avalon Area)	48,756,030	(9,185,030)	39,571,000	39,571,000	-									
New	133-K8-E-6 (Audubon Area)	15,298,178	18,849,822	34,148,000	34,148,000										
Relief	27-H-W-4 (Beck Area)	100,800,000	(5,828,000)	94,972,000	94,972,000										
90	Carver MS	38,743,416	(5,954,416)	32,789,000	32,789,000	-									
New	131-PS8-SW-5 (Downtown Area)	13,214,336	26,975,664	40,190,000	40,190,000										
Relief	117-E-SW-4 (Horizon's West Area)	34,595,309	(16,701,109)	17,894,200	17,894,200										
Relief	52-M-SE-2 (Lake Nona Area)	34,202,792	2,568,208	36,771,000	36,771,000										
123	Ventura ES Replacement	8,119,307	17,980,693	26,100,000	26,100,000										
	<b>Sub Total</b>	<b>293,729,368</b>	<b>28,705,832</b>	<b>322,435,200</b>	<b>322,435,200</b>	-	-	-	-						
<b>CONSTRUCTION PHASE</b>															
82	Clay Springs ES Replacement	4,421,720	13,868,280	18,290,000	18,262,688	(27,312)	14,399,677	-	0	(4,000,000)	1	8/21/2014	11/3/2015		
Relief	41-E-SE-2 (Eagle Creek ES) <b>HARDBID</b>	24,586,240	(8,643,240)	15,943,000	15,099,633	(843,367)	11,500,000	59,146	2	(3,224,183)	2	8/8/2014	6/23/2015		
Relief	81-E-SW-5 (Millenia Area) <b>HARDBID</b>	18,015,150	(694,150)	17,321,000	17,321,000	-	12,849,000	0	0	0	0	7/9/2015	5/31/2016		
91	Tangelo Park ES	13,928,418	670,582	14,599,000	14,599,000	-	13,337,328	0	0	0	0	7/1/2015	9/16/2016		
New	2-K8-E-1 (Wedgfield K-8)	38,201,625	(1,540,673)	36,660,952	36,660,952	-	26,232,343	20,248	1	(6,558,086)	1	5/5/2015	6/30/2016		
	<b>Sub Total</b>	<b>99,153,153</b>	<b>3,660,799</b>	<b>102,813,952</b>	<b>101,943,273</b>	<b>(870,679)</b>	<b>78,318,348</b>	<b>79,394</b>	<b>3</b>	<b>(13,782,269)</b>	<b>4</b>				
<b>CLOSE OUT PHASE</b>															
Relief	63-E-W-4 (Independence Area) <b>HARDBID</b>	34,595,309	(18,397,309)	16,198,000	15,351,377	(846,623)	11,450,000	37,136	1	(3,091,628)	2	8/8/2014	7/28/2015	2	
81	John Young ES Replacement <b>HARDBID</b>	5,184,086	8,918,914	14,103,000	13,857,894	(245,106)	10,053,000	334,763	11	(3,150,000)	2	8/21/2013	11/18/2014	252	
75	Lake Weston ES Replacement	13,417,633	3,101,367	16,519,000	16,087,994	(431,006)	12,377,841	(41,072)	2	(3,400,000)	2	8/21/2014	7/8/2015	22	
84	Lovell ES Replacement <b>HARDBID</b>	14,942,364	1,380,636	16,323,000	15,064,539	(1,258,461)	11,420,000	51,089	0	(3,003,209)	2	8/8/2014	6/29/2015	31	
73	Ocoee ES Replacement <b>HARDBID</b>	9,874,449	4,707,551	14,582,000	13,935,869	(646,131)	10,723,596	127,507	14	(2,908,389)	5	8/8/2013	11/7/2014	263	
79	Pineloch ES Replacement <b>HARDBID</b>	14,332,472	530,365	14,862,837	13,791,097	(1,071,740)	10,738,647	53,135	12	(2,856,076)	5	8/8/2013	11/7/2014	263	
66	Shingle Creek ES Replacement <b>HARDBID</b>	6,824,987	8,248,013	15,073,000	14,215,852	(857,148)	9,627,000	314,351	11	(3,234,151)	3	8/21/2013	8/8/2014	354	
	<b>Sub Total</b>	<b>99,171,300</b>	<b>8,489,537</b>	<b>107,660,837</b>	<b>102,304,622</b>	<b>(5,356,215)</b>	<b>64,940,084</b>	<b>839,774</b>	<b>50</b>	<b>(18,551,824)</b>	<b>19</b>				
	<b>Grand Total</b>	<b>509,788,602</b>	<b>43,261,467</b>	<b>553,050,069</b>	<b>546,823,175</b>	<b>(6,226,894)</b>	<b>143,258,432</b>	<b>919,168</b>	<b>53</b>	<b>(32,334,093)</b>	<b>23</b>				

**Footnotes**

F1 - Reflects figure from the 10yr Capital Budget dated September 12, 2006. \* With the exception of 21-M-E-2 (Avalon Pk Area) and 2-M-E-1 (Wedgfield) - 10 yr Capital Budget dated September 9, 2008 and 52-M-SE-2 - 10 yr Capital Budget dated September 11, 2012

F2 - Reflects changes to initial cost projection.

F3 - Figure comprised of prior year expenditures, current and future planned funding (Adopted Summary Budget 2014-2015). There are no land costs included.

F4 - Reflects total number of change orders and cumulative change order amount. Does not include OCIP and ODP deductive and reconciliation change orders.

F5 - Reflects the total amount and number of OCIP and ODP deductive and reconciliation change orders to date.

F6 - Reflects number of days beyond substantial completion. See justification below under Close Out Delays.

F7 - Report reflects approved changes as of the date reflected.

**Change Orders / Construction Change Directives**

**Close Out**

Awaiting Audit:

Submitted for Audit:

Close Out Delays:

**Shingle Creek ES** - CFI delayed due to finalizing / processing Change Orders for this Hard Bid Project.

**John Young ES** - 1. John Young ES: CFI delayed due to finalizing / processing Change Orders for this Hard Bid Project.

**Ocoee ES** - CFI delayed due to: Finalizing / processing Change Orders for this Hard Bid Project, and AE Punch List verification not yet submitted.

**Pineloch ES** - CFI delayed due to: CFI delayed due to: Finalizing / processing Change Orders for this Hard Bid Project, and AE Punch List verification not yet submitted.

## Construction Update as of July 30, 2015

We now have **10 projects under construction** amounting to approx. **\$257M**.

### **5 – Comprehensive = \$154,241,000**

- **Dr. Phillips HS** - (Comprehensive Renovation) NTP issued on Sept. 2012, (30 month schedule), contracted SC March 16, 2015.
  - The project accounted for a new classroom building, new building expansion for the Visual and Performing Arts, renovations of the Auditorium/Band/Art, Administration, Gymnasium, Cafeteria/Kitchen, Media Center and Classroom buildings, which have all been substantially completed.
  - The final phase of the project related to site work has been completed; however, final substantial completion of this final phase of work remains pending until the CM can clear up all inspection issues with BCCO within the myGov permitting system.
  
- **Cypress Creek HS** - (Comprehensive Renovation) – NTP issued on November 19, 2013, SC expected Feb 2016.
  - Phases 1 & 2 involving a new classroom building and Central Energy Plant, renovation of the Gymnasium, renovation of Building 800 – Art and ROTC classrooms, and the construction of a new softball field concession building have been completed.
  - In addition, phase 3, which accounts for the renovation of Classroom building 700 (Science) and the Media Center building where substantially completed on July 17, 2015.
  - Phase 4A - renovation of Building 200 – Auditorium commenced over Spring Break, and is scheduled to be substantially complete by Oct. 6<sup>th</sup>, 2015.
  - Phase 4B – renovation of the Cafeteria/Kitchen commenced on June 5<sup>th</sup> and is being accelerated over the summer months to be completed by August 17<sup>th</sup>.
  - Phase 4C – renovations of classroom Building 600 and Administration Building 100 commenced on June 15<sup>th</sup> and is scheduled to be substantially complete by Dec. 15, 2015.
  
- **Apopka ES** - (Comprehensive Renovation) – NTP issued August 8<sup>th</sup>, and its initial phase involving the replacement of the core facilities and classrooms was substantially completed on June 30<sup>th</sup>, 2015, with the renovation of an existing classroom building and associated site amenities scheduled to be substantially completed by August 10<sup>th</sup>, and final phase SC expected Nov. 2<sup>nd</sup>, 2015.

- **Lake Whitney ES** - (Comprehensive Renovation) – NTP issued Sept. 19, 2014.
  - Phases 1 thru 3 – involving the renovation of classroom building 3 and a new CEP, renovation of classroom building 5, and renovation of classroom building 2 have been completed.
  - Building 6 previously scheduled to be completed by September 4<sup>th</sup>, was substantially completed on July 26<sup>th</sup>, while the balance of the work involving the renovation of the core areas are tracking completion for early August.
  
- **Westridge MS – (Phase 2)** – NTP was issued on March 6<sup>th</sup> for the final phase which accounts for the demolition of the original Shingle Creek ES building and for the provision of new athletic and site related amenities for the new MS. This final phase is scheduled to be substantially complete by August 7<sup>th</sup>, 2015.

Note: Budget value for Westridge MS Phase 2 scope of work amounts to \$1,500,000. This amount has been calculated into the above overall cost of the Comprehensive projects amounting to \$154,241,000 vs. carrying the total Board adopted budget value for the Westridge MS project of \$32,092,000. In addition, since additional sitework is being performed at Lake Silver ES, post substantial completion of the primary project, the project is still being listed under the construction section; however, the total project budget for same is not accounted for within the comprehensive projects value listed above. Thus the difference between the total Board adopted Budget value for Comprehensive projects of \$200,193,000 listed on the Project Status Summary Report spreadsheet.

**And,**

**5 - New/Replacements = \$102,813,952**

- **Eagle Creek ES** - (New) - NTP was issued on August 8<sup>th</sup>, and the contractual substantial completion was scheduled for June 23, 2015. The Hard Bid General Contractor is delinquent and is currently expected to be substantially complete late July/Early August.
- **Clay Springs ES** - (Replacement) - NTP was issued on August 21<sup>st</sup>, and the initial substantial completion providing a new replacement facility was accomplished on July 8<sup>th</sup>. The balance of the project accounts for the demo of the existing facility and for the provision of the playfields and is scheduled to be substantially completed by November 11, 2015.
- **Wedgfield Area K-8 (Site 2-K8-E-1)** – NTP was issued on May 5<sup>th</sup>, and the SC is scheduled for June 30<sup>th</sup>, 2016.
- **Tangelo Park ES** (Replacement) – NTP was issued on July 1<sup>st</sup>, and the SC is scheduled for May 13, 2016.
- **Site 81-E-SW-5 (Millenia Area Relief)** – NTP was issued on July 9<sup>th</sup>, and the SC is scheduled for May 31, 2016.

Since our meeting in June:

- Substantial completions to report:
  - **Lovell ES** - (Replacement) – substantial completion was achieved on June 29, 2015, and the swing back from Apopka 9<sup>th</sup> grade has occurred.
  - **Apopka ES** - its initial phase involving the replacement of the core facilities and a portion of the classrooms was substantially completed on June 30, 2015.
  - **Clay Springs ES** - (Replacement) - the initial substantial completion providing a new replacement facility was accomplished on July 8, 2015.
  - **Lake Weston ES** - (Replacement) - substantial completion was achieved on July 8, 2015, and the swing back from Clarcona ES has occurred.
  - **Cypress Creek HS** - phase 3, the renovation of Classroom building 700 (Science) and the Media Center where substantially completed on July 17, 2015.
  - **Lake Whitney ES** - Building 6 classrooms which were previously scheduled to be completed by September 4<sup>th</sup>, was substantially completed early on July 26, 2015.
  - **Independence ES** - (New) - substantial completion was achieved on July 27, 2015.

Anticipated future milestones:

- **Eagle Creek ES** - (New) - substantial completion is currently expected to be substantially complete by the end of July/early August.
- **Lake Whitney ES** – balance of the work involving the renovation of Building 100 and 400 - core areas, are tracking completion for early August.
- **Westridge MS – (Phase 2)** – Final phase which accounts for the demolition of the original Shingle Creek ES building and for the provision of new athletic and site related amenities for the new MS is scheduled to be substantially complete by August 7<sup>th</sup>, 2015.
- **Clay Springs ES** – intermediate phase accounting for the demolition of the existing facility and the replacement of the parent drop off/pickup drive and parking is scheduled to be completed by August 7, 2015.
- **Apopka ES** – intermediate phase accounting for the renovation of an existing classroom building and associated site work are scheduled to be substantially completed by August 10, 2015.
- **Cypress Creek HS** - Phase 4B – renovation of the Cafeteria/Kitchen is scheduled to be completed by August 17, 2015.

For:

### **Close-out**

- We currently have 8 projects in close-out;
  - **Waterford ES** (Comprehensive) - Substantial Completion was achieved on July 29<sup>th</sup>, 2014.
  - **Shingle Creek ES** (Replacement) - Substantial Completion was achieved on August 8<sup>th</sup>, 2014.
  - **Ocoee ES** (Replacement) - achieved its 2<sup>nd</sup> phase and a final substantial completion on Nov. 7, 2014.
  - **Pineloch ES** (Replacement) - achieved its 2<sup>nd</sup> phase and a final substantial completion on Nov. 7, 2014.
  - **John Young ES** (Replacement) - achieved its 2<sup>nd</sup> phase and a final substantial completion on Nov. 18, 2014.
  - **Lovell ES** - (Replacement) – substantial completion was achieved on June 29, 2015.
  - **Independence ES** - (New) - substantial completion was achieved on July 27, 2015.
  - **Lake Weston ES** - (Replacement) - substantial completion was achieved on July 8, 2015.

**New projects currently bidding** - The following projects are scheduled to commence with construction later this summer and are currently in the bidding/GMP negotiation phase. The projects are: Riverside ES, Dream Lake ES and Lockhart ES, all of which are comprehensive renovation projects. To take advantage of the summer break, early demo packages have been awarded and have commenced for Dream Lake ES and Lockhart ES.

In addition, Site 117-E-SW-4 (Summerlake Area Relief) and Ventura ES Replacement projects are in the final phase of design and are scheduled to commence this September with summer of 2016 completions.

**Avalon Area MS (Site 21-M-E-2)** – site redesign modifications are taking place and being resubmitted to the Board of County Commissioners (BCC) for review and approval. Target date for BCC approval is Nov 2015, with a target construction NTP of January 2016. School occupancy is now slated for summer 2016.

# Change Orders Report

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Facilities & Construction Contracting  
June 2015

There are no significant change orders or amendments to report for the month of June 2015.

**OCPS FACILITIES & CONSTRUCTION CONTRACTING**  
**RFQs in Progress: July 2015**

No.	Contract Description	Pre Submittal Meeting	Open Date	Shortlist Meeting	Interview Meeting	Board / CFO Date	Status
RFQ 1510DB	D/B Services for Pine Hills Bus Depot Project	5/28/2015	6/17/2015	7/8/2015	7/28/2015	8/25/2015	On-Going
RFQ 1511PS	A/E Services for Colonial 9th Grade Center Capital Renewal Project	6/15/2015	7/8/2015	7/20/2015	7/30/2015	8/25/2015	On-Going
RFQ 15CM12	CM Services for Colonial 9th Grade Ctr Capital Renewal Project	7/9/2015	7/22/2015	8/4/2015	8/18/2015	9/8/2015	On-Going
RFQ 15CM13	CM Services for Site 27-H-W-4 West Orange HS Relief Project	6/24/2015	7/15/2015	8/3/2015	8/14/2015	9/8/2015	On-Going
RFQ 1514PS	A/E Services for Mechanical, Electrical and Plumbing	7/7/2015	7/28/2015	8/6/2015	8/17/2015	9/8/2015	On-Going
RFQ 1515PS	Continuing Contract for Civil Engineering Services	7/14/2015	7/29/2015	8/10/2015	8/20/2015	9/8/2015	On-Going
RFQ 1516PS	A/E Services for Dover Shores ES and Jackson MS Track Comprehensive Project	7/21/2015	8/12/2015	8/21/2015	9/1/2015	9/22/2015	On-Going

**THIRD QUARTER 2015**  
**CHANGE ORDER/AMENDMENT**  
**COVE REPORT**  
**JANUARY CHANGE ORDERS**

I. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
1	Cypress Creek HS	Installation of sway bracing on existing storm piping at bldgs. 100; 200; 400; 500; 600 and 700.	Wharton-Smith, Inc.	Agreement No. 11CM11SCONWHARTON for Construction Management Services RFQ No. 11CM11	Change Order No. 12 to GMP No. 02	\$32,151	John T. Morris, Chief Facilities Officer	1/7/15
2	John Young ES & Shingle Creek ES Replacements	Credit for cost associated with retesting performed as a result of general contractor's failure of initial material testing. (Shingle Creek ES).	Walbridge Aldinger Company	Agreement No. 13CC05WALBRIDGE for Contractual Services Bid No. 13CC05	Change Order No. 24	(\$150)	Sr. Director, Construction	1/6/15
3	John Young ES & Shingle Creek ES Replacements	Credit for cost associated with retesting performed as a result of general contractor's failure of initial material testing. (John Young ES).	Walbridge Aldinger Company	Agreement No. 13CC05WALBRIDGE for Contractual Services Bid No. 13CC05	Change Order No. 23	(\$1,334)	Sr. Director, Construction	1/6/15
4	John Young ES & Shingle Creek ES Replacements	Reconciliation of CCD No. 10 (\$3,285.00) for fencing and gates installation at utility transformer and disconnect for future portables (John Young ES).	Walbridge Aldinger Company	Agreement No. 13CC05WALBRIDGE for Contractual Services Bid No. 13CC05	Change Order No. 22	\$3,050	Sr. Director, Construction	1/7/15



## JANUARY CHANGE ORDERS

I. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
5	Lakeview MS	Nine (9) days time extension from current substantial date of 12/10/14 due to several days of inclement weather and unavailability of the UL inspector for the lightning protection system.	Wharton-Smith, Inc.	Work Authorization 12CM14001B for Construction Management Services RFQ No. 12CM14	Change Order No. 03	\$0	Sr. Facilities Manager, Capital Renewal & Portables	1/12/15
6	Ronald Blocker Educational Leadership Center	Change to increase purchase order to bring it to the original approved GMP amendment amount.	Clancy & Theys Construction Company	Agreement No. 14CM07SCONCLANCY for Construction Management Services RFQ No. 14CM07	PO Change No. 01 to GMP No. 01	\$1,756	Facilities Director, Capital Renewal & Portables	1/29/15
TRANSACTIONAL CHANGE ORDERS								
7	Lakeview MS	Estimated ODP.	Wharton-Smith, Inc.	Work Authorization No. 12CM14022B for Construction Management Services RFQ No. 12CM14	Change Order No. 01	(\$340,000)	John T. Morris, Chief Facilities Officer	1/15/15

**FEBRUARY CHANGE ORDERS**

II. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
1	Lake Whitney ES	Design modifications to remove television projectors and safari montage from the contract scope.	Charles Perry Partners, Inc.	Agreement No. 13CM12SCONCHARLES for Construction Management Services RFQ No. 13CM12	Change Order No. 04 to GMP No. 01	(\$38,716)	John T. Morris, Chief Facilities Officer	2/11/15
2	Pineloch ES & Ocoee ES Replacements	Install 6 inch thick sidewalk in lieu of 4 inch sidewalk on Delaware Street. (Ocoee ES).	McCree Design Builders, Inc.	Agreement No. 13CC04MCCREE for Contractual Services Bid No. 13CC04	Change Order No. 34	\$313	Sr. Director, Construction	2/18/15
3	Pineloch ES & Ocoee ES Replacements	Fire rated shaft wall addition to conceal the roof leader penetrations in the four (4) stairwells at Pineloch.	McCree Design Builders, Inc.	Agreement No. 13CC04MCCREE for Contractual Services Bid No. 13CC04	Change Order No. 33	\$8,666	Sr. Director, Construction	2/10/15
4	Pineloch ES & Ocoee ES Replacements	Fire rated shaft wall addition to conceal the roof leader penetrations in the four (4) stairwells at Ocoee ES.	McCree Design Builders, Inc.	Agreement No. 13CC04MCCREE for Contractual Services Bid No. 13CC04	Change Order No. 32	\$8,668	Sr. Director, Construction	2/10/15
TRANSACTIONAL CHANGE ORDERS								
5	Bonneville ES	Capital Renewal Project: Estimated ODP.	Clancy & Theys Construction Company	Work Authorization No. 12CM14004B for Construction Management Services RFQ No. 12CM14	Change Order No. 05	(\$20,081)	John T. Morris, Chief Facilities Officer	2/18/15
6	Bonneville ES	Final ODP reconciliation for capital renewal project.	Clancy & Theys Construction Company	Work Authorization No. 12CM14004B for Construction Management Services RFQ No. 12CM14	Change Order No. 04	\$917	John T. Morris, Chief Facilities Officer	2/11/15
7	Dr. Phillips ES	Final GMP reconciliation.	Pirtle Construction Company	Agreement No. 11CM08SCONPIRTLE for Construction Management Services RFQ No. 11CM08	Change Order No. 15 to GMP No. 01	(\$43,980)	John T. Morris, Chief Facilities Officer	2/5/15

**FEBRUARY CHANGE ORDERS**

II. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
8	Elementary School Site 41-E-SE-2	Estimated ODP at Site 41-E-SE-2 (Eagle Creek ES).	Clancy & Theys Construction Company	Agreement No. 14CC08CLANCY for Contractual Services Bid No. 14CC08	Change Order No. 04	(\$349,183)	John T. Morris, Chief Facilities Officer	2/11/15
9	Elementary School Site 63-E-W-4	Estimated ODP at Site 63-E-W-4 (Independence ES).	Clancy & Theys Construction Company	Agreement No. 14CC08CLANCY for Contractual Services Bid No. 14CC08	Change Order No. 03	(\$229,128)	John T. Morris, Chief Facilities Officer	2/11/15
10	Lake Weston ES Replacement	Estimated ODP.	McCree Design Builders, Inc.	Agreement No. 13CM13SCONMCCREE for Construction Management Services RFQ No. 13CM13	Change Order No. 03 to GMP No. 01	(\$750,000)	John T. Morris, Chief Facilities Officer	2/25/15
11	Lakeview MS	Capital Renewal Project: GMP reconciliation.	Wharton-Smith, Inc.	Work Authorization No. 12CM14001B for Construction Management Services RFQ No. 12CM14	Change Order No. 05	(\$147,443)	John T. Morris, Chief Facilities Officer	2/18/15

### MARCH CHANGE ORDERS

III. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
1	Cypress Creek HS	All labor, materials and equipment required to modify Piano/Guitar Lab 02-112.	Wharton-Smith, Inc.	Agreement No. 11CM11SCONWHARTON for Construction Management Services RFQ No. 11CM11	Change Order No. 14 to GMP No. 02	\$13,180	Sr. Director, Construction	3/18/15
2	Cypress Creek HS	All labor, materials and equipment required to make scope revisions related to coordination of furniture, fixtures and equipment	Wharton-Smith, Inc.	Agreement No. 11CM11SCONWHARTON for Construction Management Services RFQ No. 11CM11	Change Order No. 13 to GMP No. 02	\$18,573	Sr. Director, Construction	3/18/15
3	Dr. Phillips HS	Grading revisions for furnishing and installation required to negate conflicts with the existing underground primary power line.	James A. Cummings, Inc., a Tutor Perini Company	Agreement No. 10CM18SCONJACUMMIN GS for Construction Management Services RFQ No. 10CM18	CCD No. 38 to GMP No. 01	\$12,000	Sr. Director, Construction	3/23/15
4	Dr. Phillips HS	Removal and replacement of existing water valves to Building 200 with a new backflow and pressure reducer as requested by the area utility provided.	James A. Cummings, Inc., a Tutor Perini Company	Agreement No. 10CM18SCONJACUMMIN GS for Construction Management Services RFQ No. 10CM18	Change Order No. 45 to GMP No. 01	\$13,241	Sr. Director, Construction	3/20/15

**MARCH CHANGE ORDERS**

III. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
5	Dr. Phillips HS	Reconciliation of CCD No. 16 (\$12,877.00) for plumbing, concrete and floor finishes for gas piping at three (3) teachers and one (1) student stations in Building 300 Rooms 03-110, 03-112, and 03-115 due to existing gas piping leaks.	James A. Cummings, Inc., a Tutor Perini Company	Agreement No. 10CM18SCONJACUMMIN GS for Construction Management Services RFQ No. 10CM18	Change Order No. 48 to GMP No. 01	\$11,692	Sr. Director, Construction	3/13/15
6	Dr. Phillips HS	Reconciliation of CCD No. 19 (\$6,498.00) for plumbing work for two (2) electric water coolers and wall hydrant additions in Building 500's dining areas (5-100 and 5-101) from existing water supply in kitchen.	James A. Cummings, Inc., a Tutor Perini Company	Agreement No. 10CM18SCONJACUMMIN GS for Construction Management Services RFQ No. 10CM18	Change Order No. 47 to GMP No. 01	\$6,498	Sr. Director, Construction	3/20/15
7	John Young ES & Shingle Creek ES Replacements	Reconciliation of CCD No. 06 (\$10,000.00) for plumbing, mechanical and electrical work in boys and girls restrooms at Shingle Creek ES.	Walbridge Aldinger Company	Agreement No. 13CC05WALBRIDGE for Contractual Services Bid No. 13CC05	Change Order No. 26	\$7,342	Sr. Director, Construction	3/18/15

**MARCH CHANGE ORDERS**

III. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
8	John Young ES & Shingle Creek ES Replacements	Reconciliation of CCD No. 07 (\$10,000.00) for plumbing, mechanical and electrical work in boys and girls restrooms at John Young ES.	Walbridge Aldinger Company	Agreement No. 13CC05WALBRIGE for Contractual Services Bid No. 13CC05	Change Order No. 25	\$7,342	Sr. Director, Construction	3/18/15
9	Lovell ES Replacement	Modification of eight (8) existing windows and two (2) louvers to meet minimal flashing height and 4-days time extension.	McCree Design Builders, Inc.	Agreement No. 14CC09MCCREE for Contractual Services Bid No. 14CC09	CCD No. 02	\$21,089	Sr. Director, Construction	3/25/15
10	Pineloch ES & Ocoee ES Replacements	Removal of concrete steps and ramps left on site from portable removal at Pineloch ES.	McCree Design Builders, Inc.	Agreement No. 13CC04MCCREE for Contractual Services Bid No. 13CC04	Change Order No. 35	\$3,651	Sr. Director, Construction	3/10/15
11	Various Schools	Twenty-one (21) days extension for additional meetings and plan reviews for Robinswood, Jackson, Avalon, Discovery and Glenridge Middle Schools including required electrical work for charging and security systems for (Group C) District Capital Project.	Clancy & Theys Construction Company	Work Authorization No. 12CM14026B for Construction Management Services RFQ No. 12CM14	Change Order No. 01	\$0	Sr. Facilities Manager, Capital Renewal & Portables	3/9/15

**MARCH CHANGE ORDERS**

III. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
12	Various Schools	Fourteen (14) days extension for additional visits and meetings to facilitate work at Oak Ridge, East River, Cypress High Schools and Colonial 9th Grade Center including required electrical work for charging and security systems for (Group B) District Capital Project.	Clancy & Theys Construction Company	Work Authorization No. 12CM14025B for Construction Management Services RFQ No. 12CM14	Change Order No. 01	\$0	Sr. Facilities Manager, Capital Renewal & Portables	3/9/15
13	Various Schools	Twenty-three (23) days time extension for Group A for scope modifications for necessary electrical upgrades and doors and hardware replacement at Evans HS required by the campus unique security requirements and additional work at West Orange 9th Grade Center for district capital project.	Clancy & Theys Construction Company	Work Authorization No. 12CM14024B for Construction Management Services RFQ No. 12CM14	Change Order No. 01	\$15,745	Sr. Director, Construction	3/31/15

### MARCH CHANGE ORDERS

III. CHANGE ORDERS APPROVED								
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	DOC #	C.O. AMOUNT	APPROVAL REQUIRED	APPROVAL DATE
TRANSACTIONAL CHANGE ORDERS								
14	John Young ES & Shingle Creek ES Replacements	Final ODP Reconciliation for Shingle Creek ES.	Walbridge Aldinger Company	Agreement No. 13CC05WALBRIDGE for Contractual Services Bid No. 13CC05	Change Order No. 27	(\$84,151)	John T. Morris, Chief Facilities Officer	3/25/15
15	Lovell ES Replacement	Estimated ODP.	McCree Design Builders, Inc.	Agreement No. 14CC09MCCREE for Contractual Services Bid No. 14CC09	Change Order No. 02	(\$148,209)	John T. Morris, Chief Facilities Officer	



## JANUARY AMENDMENTS

IV. CONTRACTS AMENDED							
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	APPROVAL DATE
1	Blankner K-8 School	Scope modification to remove requirement for submittal of master site plan.	BRPH Architects-Engineers, Inc.	Amendment No. 01 to Agreement No. 1405CSA001BRPH for Architectural & Engineering Services RFQ No. 1405PS	\$0	Sr. Facilities Manager, Capital Renewal & Portables	1/5/15
2	Boone HS	Scope modification to remove requirement for submittal of master site plan.	BRPH Architects-Engineers, Inc.	Amendment No. 01 to Agreement No. 1405CSA002BRPH for Architectural & Engineering Services RFQ No. 1405PS	\$0	Sr. Facilities Manager, Capital Renewal & Portables	1/8/15
3	District-Wide	Modification of Staffing Schedule.	Ardaman & Associates, Inc.	Amendment No. 03 to Agreement No. 0803CCONARDAMAN for Geotechnical, Environmental & Construction Material Testing Services RFQ No. 0803PS	\$0	John T. Morris, Chief Facilities Officer	1/6/15
4	Dr. Phillips HS	Modification of staff representative authorized to bind and obligate contract related documents and construction work.	James A. Cummings, Inc.	Amendment No. 02 to Agreement No. 10CM18SCONJACUMM INGS for Construction Management Services RFQ No. 10CM18	\$0	John T. Morris, Chief Facilities Officer	1/6/15
5	Liberty MS	Additional pre-construction services for GMP preparation phase. (Est. Constr. Cost \$6,500,000).	Welbro Building Corporation, Inc.	Amendment No. 01 to Agreement No. 14CM03SCONWELBRO for Construction Management Services RFQ No. 14CM03	\$36,726	John T. Morris, Chief Facilities Officer	1/6/15
6	Little River ES Replacement	Modification of authorized contract staff personnel for contract execution.	James A. Cummings, Inc., a Tutor Perini Company	Amendment No. 03 to Agreement No. 10CM24SCONJACUMM INGS for Construction Management Services RFQ No. 10CM24	\$0	John T. Morris, Chief Facilities Officer	1/16/15

## JANUARY AMENDMENTS

IV. CONTRACTS AMENDED							
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	APPROVAL DATE
7	Tangelo Park ES Replacement	Additional surveying services due to offsite improvements.	Southeastern Surveying & Mapping Corporation	Amendment No. 01 to Work Authorization No. 0807142 for Surveying Services RFQ No. 0807PS	\$7,200	Sr. Facilities Director, Planning & Design	1/20/15
8	Ventura ES	Design services for demolition and detailed restoration for elevated concrete walkway removal. (Est. Constr. Cost \$75,000).	AVCON, Inc.	Amendment No. 01 to Work Authorization No. 1306007 for Structural Engineering Services RFQ No. 1306PS	\$6,937	Sr. Facilities Manager, Capital Renewal & Portables	1/23/15

**FEBRUARY AMENDMENTS**

V. CONTRACTS AMENDED							
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	APPROVAL DATE
1	District-Wide	Modifications of staffing plan for period 12/9/13 to 8/31/15.	Cost Management, Inc. d/b/a CMI	Amendment No. 03 to Work Authorization No. 11PM12006 for Program Management Support Services RFQ No. 11PM12	\$0	John T. Morris, Chief Facilities Officer	2/9/15
2	District-Wide	Modification of staffing schedule.	Ardaman & Associates, Inc.	Amendment No. 04 to Agreement No. 0803CCONARDAMAN for Geotechnical, Environmental & Construction Material Testing Services RFQ No. 0803PS	\$0	John T. Morris, Chief Facilities Officer	2/7/15
3	District-Wide	Modifications of staffing plan for period 12/9/13 to 8/31/15.	URS Corporation	Amendment No. 04 to Work Authorization No. 11PM12005 for Program Management Support Services RFQ No. 11PM12	\$0	John T. Morris, Chief Facilities Officer	2/16/15
4	Elementary School Site 41-E-SE-2/63-E-W-4	Language modification to add use of contingency form to the contract (Eagle Creek and Independence).	Clancy & Theys Construction Company	Amendment No. 01 to Agreement No. 14CC08CLANCY for Contractual Services Bid No. 14CC07	\$0	John T. Morris, Chief Facilities Officer	2/7/15
5	Elementary School Site 81-E-SW-5	Additional design level geotechnical evaluation to further evaluate subsurface conditions.	Terracon Consultants, Inc.	Amendment No. 01 to Work Authorization No. 0803199 for Geotechnical & Environmental Services RFQ No. 0803PS	\$6,203	Facilities Director, Planning & Design	2/2/15
6	Liberty MS	Scope modification and associated cost to include design and develop phase not included in the previous amendment for additional pre-construction services. (Est. Constr. Cost \$6,500,000).	Welbro Building Corporation, Inc.	Amendment No. 02 to Agreement No. 14CM03SCONWELBRO for Construction Management Services RFQ No. 14CM03	\$9,900	John T. Morris, Chief Facilities Officer	2/6/15

**FEBRUARY AMENDMENTS**

V. CONTRACTS AMENDED							
ITEM NO.	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	APPROVAL DATE
7	Lovell ES Replacement	Language modification to add contingency form and to correct scrivener's error in project name.	McCree Design Builders, Inc.	Amendment No. 01 to Agreement No. 14CC09MCREE for Contractual Services Bid No. 14CC09	\$0	John T. Morris, Chief Facilities Officer	2/9/15
8	Oak Ridge HS Replacement	Construction material testing and inspection for replacement school project.	Ardaman & Associates, Inc.	Amendment No. 02 to Work Authorization No. 0803078 for Construction Material Testing Services RFQ No. 0803PS	\$7,699	Sr. Director, Construction	2/2/15
9	University HS	Additional design services for HVAC systems upgrade in Building 17 - locker room building. (Est. Constr. Cost \$100,000).	SGM Engineering, Inc.	Amendment No. 01 to Work Authorization No. 0804054 for Mechanical, Electrical & Plumbing Services RFQ No. 0804PS	\$6,240	Sr. Facilities Manager, Capital Renewal & Portables	2/2/15

**MARCH AMENDMENTS**

VI. CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	APPROVAL DATE
1	District-Wide	Legal name change to AMEC Foster Wheeler Environment & Infrastructure, Inc.	AMEC Environment and Infrastructure, Inc.	Amendment No. 02 to Agreement No. 1209CCONAMEC for Environmental Consultant Services RFQ No. 1209PS	\$0	John T. Morris, Chief Facilities Officer	3/3/15
2	District-Wide	Legal name change to AMEC Foster Wheeler Environment & Infrastructure, Inc.	AMEC Environment and Infrastructure, Inc.	Amendment No. 03 to Agreement No. 0807CCONMACTEC for Surveying Services RFQ No. 0807PS	\$0	John T. Morris, Chief Facilities Officer	3/3/15
3	K-8 School Site 2-K8-E-1	Additional services for redesigning and re- engineering to provide alternate access to the school from current location on Paddock St. and designing two (2) turn lanes with access from Bancroft Street. (Est. Constr. Cost \$1,300,000).	Zyscovich, Inc.	Amendment No. 03 to Agreement No. 1308RU001ZYSCOVICH for Architectural & Engineering Services RFQ No. 1308RU	\$83,953	Board	3/30/15
4	Oak Ridge HS Replacement	Additional surveying performed monthly utilizing pre-established to memorialize the control points to existing and extent of potential ongoing settlement activity.	Leading Edge Land Services, Inc.	Amendment No. 01 to Work Authorization No. 0807116 for Surveying Services RFQ No. 0807PS	\$6,114	Sr. Director, Construction	3/9/15
5	Various Schools	Additional services to include traffic studies at Dommerich ES and Maitland MS to replace traffic studies originally planned for Moss Park ES and Windermere ES.	KBJ Architects, Inc.	Amendment No. 01 to Work Authorization No. 1301017 for Architectural & Engineering Services RFQ No. 1301PS	\$0	Sr. Facilities Director, Planning & Design	3/31/15

**MARCH AMENDMENTS**

VI. CONTRACTS AMENDED							
ITEM NO	SCHOOL	REASON FOR CHANGE	NAME OF FIRM	DESCRIPTION OF SERVICES	AMENDMENT	APPROVAL REQUIRED	APPROVAL DATE
6	Ventura ES	Design for campus-wide walkway and canopies stabilization for district capital project. (Est. Constr. Cost \$200,000).	AVCON, Inc.	Amendment No. 02 to Work Authorization No. 1306007 for Structural Engineering Services RFQ No. 1306PS	\$9,800	Sr. Facilities Manager, Capital Renewal & Portables	3/11/15

Orange County Public Schools  
Capital Renewal Project Summary (see Note 1)

Updated: 7/24/15  
FY2016

Plan Year(s) Filter: 2014 - 2016  
Plan Group(s) Filter: G3,G4,G5

Location	Age (Wt'd)	Maint. Area	Project Number	Size	Gp	General Scope	Total Project Costs				Construction Cost					Construction Schedule					
							Program Budget	Committed to Date	Estimated Total Cost	Budget Variance	Construction Amount	Change Orders		ODP		NTP	Approved Construction			Days Past Subst. Compl. (close-out)	
												Base	Amount	#	Deducts		#	Planned	Forecast/Actual		Closed
<b>CAPITAL RENEWAL BUDGET</b>																					
<b>BOARD APPROVED BUDGET FOR YEARS: FY2014 - FY2016</b>							<b>143,284,793</b>														
<b>PLANNING PHASE</b>																					
Bonneville ES	13-Yr	NE	N0027	Int	G4	HVAC & Technology	2,397,074	-	2,397,074	-	1,689,270	-	-	-	-	Apr-16	Nov-16	Nov-16			
Colonial 9GC	17-Yr	NE	N0058	Lg	G4	Campus-Wide Capital Renewal	338,065	-	338,065	-	3,452,460	-	-	-	-	Oct-16	Aug-17	Aug-17			
Jones HS	12-Yr	SS	N0059	Lg	G3	Envelope & HVAC	1,018,940	-	1,018,940	-	8,975,860	-	-	-	-	Jul-16	Aug-17	Aug-17			
Lakeville ES	17-Yr	NW	N0068	Int	G5	Campus-Wide Capital Renewal	2,597,621	-	2,597,621	-	1,830,600	-	-	-	-	May-16	Jan-17	Jan-17			
Odyssey MS	15-Yr	NE	N0067	Lg	G3	Campus-Wide Capital Renewal	543,772	-	543,772	-	5,486,000	-	-	-	-	Feb-17	Aug-18	Aug-18			
Pinewood ES	18-Yr	NW	N0062	Int	G5	Exterior, MEP, Technology	2,448,903	171,338	2,448,903	-	1,870,820	-	-	-	-	Apr-16	Aug-16	Aug-16			
Ridgewood Park ES	9-Yr	NW	N0063	Int	G4	Car rider canopies	168,887	-	168,887	-	1,623,910	-	-	-	-	Jul-16	Dec-16	Dec-16			
Riverdale ES	17-Yr	NE	N0064	Int	G5	Exterior, Life Safety	1,767,689	115,650	1,767,689	-	1,254,570	-	-	-	-	May-16	Jan-17	Jan-17			
Southwood ES	18-Yr	SS	N0065	Int	G5	Exterior, MEP, Technology	1,293,208	135,479	1,293,208	-	917,820	-	-	-	-	Mar-16	Oct-16	Oct-16			
Winter Park HS	10-Yr	NE	N0066	Lg	G3	Site, MEP, Technology	1,318,964	-	1,318,964	-	12,682,342	-	-	-	-	Jan-17	Aug-18	Aug-18			
Various Small Projects (see Note 2)							41 Ea	Sm	Location / Scope: TBD	6,150,000	-	6,150,000	-	TBD	-	-	-	-	TBD		
<b>SUBTOTAL - PLANNING (excludes 41 various Sm projects) 10 Projects</b>							<b>20,043,122</b>	<b>422,467</b>	<b>20,043,122</b>	-	<b>39,783,653</b>	-	-	-	-	-					
<b>DESIGN / PRE-CONSTRUCTION PHASE</b>																					
Blankner K8	14-Yr	NE	N0023	Lg	G4	Site; Roofing; HVAC; Lights; Tech	5,579,963	128,391	5,579,963	-	4,521,850	-	-	-	-	Apr-16	Jan-17	Jan-17			
Boone HS	24-Yr	NE	N0031	Lg	G3	Campus-Wide Capital Renewal	20,182,130	323,305	20,182,130	-	14,074,010	-	-	-	-	Apr-16	Aug-17	Aug-17			
Citrus ES	16-Yr	NW	N0057	Int	G3	Campus-Wide Capital Renewal	1,476,482	121,163	1,476,482	-	1,163,500	-	-	-	-	Feb-16	Aug-16	Aug-16			
Colonial HS	17-Yr	NE	N0035	Lg	G3	Campus-Wide Capital Renewal	12,725,996	266,641	12,725,996	-	9,440,650	-	-	-	-	Apr-16	Aug-17	Aug-17			
Discovery MS	19-Yr	NE	N0036	Lg	G5	Campus-Wide Capital Renewal	7,541,833	179,499	7,541,833	-	5,966,640	-	-	-	-	Apr-16	Jan-17	Jan-17			
Gotha MS	21-Yr	NW	N0032	Lg	G5	Campus-Wide Capital Renewal	5,467,731	117,688	5,467,731	-	3,993,960	-	-	-	-	Apr-16	Jan-17	Jan-17			
Lakeview MS	19-Yr	NW	N0041.2	Int	G3	HVAC Controls, Campus-Wide	592,115	37,790	592,115	-	459,360	-	-	-	-	Nov-15	Mar-16	Mar-16			
Lawton Chiles ES	16-Yr	NE	N0060	Int	G3	Campus-Wide Capital Renewal	1,986,930	130,124	1,986,930	-	1,410,170	-	-	-	-	Feb-16	Aug-16	Aug-16			
Liberty MS	10-Yr	NE	N0022	Lg	G4	Campus-Wide Capital Renewal	7,988,386	676,234	7,988,386	-	6,753,936	-	-	-	-	Sep-15	Aug-16	Sep-16			
Oakshire ES	16-Yr	SS	N0061	Int	G3	Exterior, MEP, Technology	2,564,591	170,772	2,564,591	-	1,820,150	-	-	-	-	Apr-16	Sep-16	Sep-16			
Ocoee MS	16-Yr	NW	N0026	Lg	G3	Campus-Wide Capital Renewal	6,678,361	108,919	6,678,361	-	4,932,320	-	-	-	-	Apr-16	Aug-17	Aug-17			
Olympia HS	15-Yr	NW	N0033	Lg	G3	Campus-Wide Capital Renewal	12,862,394	265,240	12,862,394	-	10,135,850	-	-	-	-	Mar-16	Aug-17	Aug-17			
Piedmont Lakes MS	22-Yr	NW	N0029	Lg	G5	Campus-Wide Capital Renewal	5,164,809	105,345	5,164,809	-	3,972,930	-	-	-	-	Apr-16	Aug-17	Aug-17			
Timber Creek HS	16-Yr	NE	N0037	Lg	G3	Campus-Wide Capital Renewal	13,665,137	252,952	13,665,137	-	10,705,160	-	-	-	-	Apr-16	Aug-17	Aug-17			
<b>SUBTOTAL - DESIGN 14 Projects</b>							<b>104,476,858</b>	<b>2,884,062</b>	<b>104,476,858</b>	-	<b>79,350,486</b>	-	-	-	-						

**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. "Various Small Projects" in Planning assumes 15 projects per year, per Maintenance Area, at \$150K average per project.

Orange County Public Schools  
Capital Renewal Project Summary (see Note 1)

Updated: 7/24/15  
FY2016

Plan Year(s) Filter: 2014 - 2016  
Plan Group(s) Filter: G3,G4,G5

Location	Age (W't'd)	Maint. Area	Project Number	Size	Gp	General Scope	Total Project Costs				Construction Cost					Construction Schedule				Days Past Subst. Compl. (close-out)
							Program Budget	Committed to Date	Estimated Total Cost	Budget Variance	Construction Amount	Change Orders		ODP			Approved Construction			
												Base	Amount	#	Deducts	#	NTP	Substantial Completion Planned	Forecast/Actual	
<b>CONSTRUCTION PHASE</b>																				
Apopka HS	7-Yr	NW	N0025	Int	G5	Bldg 1600 HVAC/Elec Upgrade	724,563	781,682	724,563	-	715,393	-	-	115,473	1	05/27/15A	8/21/15	9/30/15		
Apopka HS	7-Yr	NW	N0043	Sm	G5	Repave/Stripe Student Parking	176,951	160,864	176,951	-	160,864	-	-	-	-	06/12/15A	8/11/15	8/11/15		
Chain of Lakes MS	17-Yr	NW	N0034	Int	G3	Roof, Interor; HVAC; Elec; Tech	2,465,720	1,631,834	2,465,720	-	1,982,090	-	-	266,766	1	06/11/15A	12/11/15	12/11/15		
Conway MS	6-Yr	SS	N0056.4	Sm	G5	Replace Chiller #2 & #3	260,000	240,396	260,000	-	240,396	-	-	-	-	8/1/15	11/29/15	11/29/15		
Freedom MS	10-Yr	SS	N0056.9	Sm	G4	Chiller #2 R'newal	202,762	184,329	202,762	-	184,329	-	-	-	-	12/10/14A	5/9/15	8/15/15		
Freedom MS	10-Yr	SS	N0056.2	Sm	G4	Cooling Tower Rebuild	92,957	71,506	92,957	-	71,506	-	-	-	-	10/27/14A	12/26/14	8/15/15		
Glenridge MS	12-Yr	NE	N0054.7	Sm	G4	Chiller #2 R'newal	189,019	145,399	189,019	-	145,399	-	-	-	-	05/15/15A	8/8/15	8/22/15		
Howard MS	14-Yr	SS	N0056.3	Sm	G3	Cooling Tower Rebuild	301,008	310,158	301,008	-	231,545	-	-	-	-	8/8/15	11/5/15	11/5/15		
Howard MS	14-Yr	SS	N0056.5	Sm	G3	Chiller #1 R'newal	189,464	145,742	189,464	-	145,742	-	-	-	-	04/20/15A	4/8/15	8/17/15		
Howard MS	14-Yr	SS	N0056.6	Sm	G3	Chiller #2 R'newal	189,464	145,742	189,464	-	145,742	-	-	-	-	05/04/15A	4/8/15	8/31/15		
Howard MS	14-Yr	SS	N0056.7	Sm	G3	Replace HVAC Controls	154,453	118,810	154,453	-	118,810	-	-	-	-	04/23/15A	4/8/15	8/20/15		
Hunter's Creek MS	22-Yr	SS	N0042.1	Sm	G5	Mill, resurface, restripe track	83,557	64,275	83,557	-	64,275	-	-	-	-	05/11/15A	8/15/15	8/15/15		
Legacy MS	10-Yr	NE	N0054.9	Sm	G4	Rebuild Chiller #1 & New VFD	202,762	184,329	202,762	-	184,329	-	-	-	-	06/12/15A	9/10/15	9/10/15		
Metrowest ES	8-Yr	NW	N0038	Int	G5	Site, Roofing, Dr H'wre, Cameras	1,849,791	1,153,147	1,849,791	-	1,574,960	-	-	-	-	06/02/15A	1/1/16	1/1/16		
Ridgewood Park ES	9-Yr	NW	N0055.4	Sm	G4	Replace Chiller #1	159,568	145,062	159,568	-	145,062	-	-	-	-	05/04/15A	9/1/15	9/1/15		
Winter Park HS	10-Yr	NE	N0054.5	Sm	G3	Chiller #1 R'newal	192,384	147,987	192,384	-	147,987	-	-	-	-	05/15/15A	7/14/15	8/15/15		
Winter Park HS	10-Yr	NE	N0054.8	Sm	G3	Chiller #3 R'newal	167,216	128,627	167,216	-	128,627	-	-	-	-	04/23/15A	6/22/15	07/15/15A		
Hunter's Creek MS	22-Yr	SS	N0042.2	Sm	G5	Technology - Café/Band/Coral/Gym	97,364	-	97,364	-	74,895	-	-	-	-	8/1/15	10/30/15	10/30/15		
Hunter's Creek MS	22-Yr	SS	N0042.3	Sm	G5	Technology - TV Studio	88,340	-	88,340	-	67,954	-	-	-	-	06/11/15A	8/15/15	8/15/15		
Hunter's Creek MS	22-Yr	SS	N0042.4	Sm	G5	Perimeter Fencing	65,000	-	65,000	-	50,000	-	-	-	-	9/1/15	11/30/15	11/30/15		
<b>SUBTOTAL - CONSTRUCTION</b>							<b>20 Projects</b>	<b>7,852,343</b>	<b>5,759,890</b>	<b>7,852,343</b>	-	<b>6,579,906</b>	-	-	<b>382,239</b>	<b>2</b>				
<b>CLOSE-OUT</b>																				
CEP-W (Excel High)	13-Yr	NW	N0024	Sm	G4	Fire Alarm Upgrade	33,464	33,523	33,464	-	33,523	-	-	-	-	04/11/14A	12/9/14	06/12/15A		
CEP-W (Excel High)	13-Yr	NW	N0040	Int	G4	Roof Replacement	969,570	840,472	969,570	-	823,764	20,328	1	-	-	06/05/14A	8/12/14	08/12/14A		
Freedom HS	12-Yr	SS	N0056.1	Sm	G4	Cooling Tower Rebuild	159,458	122,660	159,458	-	122,660	-	-	-	-	12/01/14A	6/15/15	03/27/15A		
Freedom MS	10-Yr	SS	N0012	Sm	G4	Chiller #1 R'newal	161,036	-	161,036	-	123,874	-	-	-	-	12/10/14A	5/9/15	03/27/15A		
Howard MS	14-Yr	SS	N0013	Sm	G3	VFDs & Dampers	116,708	89,775	116,708	-	89,775	-	-	-	-	12/01/14A	3/31/15	03/27/15A		
Hunter's Creek MS	22-Yr	SS	N0006	Int	G5	Chiller Replacement	1,320,771	945,723	1,320,771	-	1,200,701	60,835	1	360,765	1	07/15/14A	5/16/15	05/16/15A		
Lakeview MS	19-Yr	NW	N0041.1	Int	G3	Chiller Replacement	853,359	386,758	853,359	-	729,574	-	1	339,358	2	12/19/14A	5/15/15	06/02/15A		
Northlake Park ES	16-Yr	SS	N0007	Int	G3	HVAC - Chiller	894,000	588,589	894,000	-	750,000	111,864	2	218,666	1	07/15/14A	11/11/14	02/06/15A		
Palmetto ES	16-Yr	SS	N0008	Int	G3	HVAC - Chiller	803,627	605,793	803,627	-	618,174	-	1	217,900	1	07/15/14A	11/11/14	02/06/15A		
Riverdale ES	17-Yr	NE	N0054.2	Sm	G5	Fire Alarm Upgrade	80,705	62,081	80,705	-	62,081	-	-	-	-	12/15/14A	3/15/15	03/15/15A		
Tildenville ES	11-Yr	NW	N0019.2	Sm	G4	Replace HVAC equipment	247,631	250,050	247,631	-	250,050	-	-	-	-	08/14/14A	2/13/15	05/07/15A		
University HS	5-Yr	NE	N0054.6	Sm	G5	Resurface Cougar Way	103,616	79,704	103,616	-	79,704	-	-	-	-	04/30/15A	6/29/15	06/25/15A		
<b>SUBTOTAL - CLOSE-OUT</b>							<b>12 Projects</b>	<b>5,743,943</b>	<b>4,005,127</b>	<b>5,743,943</b>	-	<b>4,883,880</b>	<b>193,026</b>	<b>6</b>	<b>1,136,688</b>	<b>5</b>				
<b>COMPLETE</b>																				
Bonneville ES	13-Yr	NE	N0004	Int	G4	Replace Kitchen Roof / HVAC	543,648	510,229	543,648	-	483,164	18,331	3	74,961	2	03/18/14A	8/8/14	08/08/14A		
Freedom HS	12-Yr	SS	N0020.2	Sm	G4	Chiller #1 & #2 R'newal	363,745	279,804	363,745	-	279,804	-	-	-	-	10/27/14A	3/26/15	03/16/15A		
Hiwassee ES	12-Yr	NW	N0055.2	Sm	G4	Replace Chiller #2	113,143	102,857	113,143	-	102,857	-	-	-	-	12/01/14A	4/30/15	01/28/15A		
Lakeview MS	19-Yr	NW	N0028	Int	G3	HVAC & Roofing	2,024,730	1,987,094	2,024,730	-	1,999,761	(159,097)	3	202,962	2	07/11/14A	12/19/14	12/19/14A		
Olympia HS	15-Yr	NW	N0055.1	Sm	G3	HVAC - Chiller R'newal	362,428	278,791	362,428	-	278,791	-	-	-	-	11/07/14A	4/6/15	04/01/15A		
Winter Park HS	10-Yr	NE	N0054.1	Sm	G3	Chiller #2 R'newal	181,148	139,345	181,148	-	139,345	-	-	-	-	12/01/14A	4/30/15	12/01/14A		
Winter Park HS	10-Yr	NE	N0054.4	Sm	G3	HVAC - Retro Commissioning	84,737	65,182	84,737	-	65,182	-	-	-	-	12/01/14A	4/30/15	02/10/15A		
<b>PREVIOUSLY COMPLETED</b>							<b>33 Projects</b>	<b>2,086,184</b>	<b>1,886,893</b>	<b>2,086,184</b>	-	<b>2,185,904</b>	-	-	<b>(84,750)</b>	<b>1</b>				
<b>SUBTOTAL - COMPLETE</b>							<b>40 Projects</b>	<b>5,759,763</b>	<b>5,250,196</b>	<b>5,759,763</b>	-	<b>5,534,808</b>	<b>(140,766)</b>	<b>6</b>	<b>193,173</b>	<b>5</b>				
<b>GRAND TOTAL - CAPITAL RENEWAL PROJECTS</b>							<b>96 Projects</b>	<b>\$ 143,876,031</b>	<b>\$ 18,321,743</b>	<b>\$ 143,876,031</b>	<b>\$ -</b>	<b>\$ 136,132,732</b>	<b>\$ 52,260</b>	<b>\$ 1,712,100</b>						

**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).
- "Various Small Projects" in Planning assumes 15 projects per year, per Maintenance Area, at \$150K average per project.



## Capital Renewal Update as of July 24, 2015

**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

### 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            | Sm - Small CR Project; under \$280K           |
| Est. - Estimated                                   | Subst. Compl. - Substantial Completion        |
| FY - Fiscal Year; July 1 through June 30           | TBD - To Be Determined                        |
| Gp - Group; organization of campus-wide facilities | Tech - Technology                             |
| HS - High School; Grades 9 - 12                    | VFD - Variable Frequency Drive                |
| HVAC - Heating, Ventilating and Air Conditioning   | Yr - Year                                     |
| Int - Intermediate CR Project; \$280K to \$2M      |                                               |

