

School Board of Brevard County

2700 Judge Fran Jamieson Way • Viera, FL 32940-6699

Brian T. Binggeli, Ed.D., Superintendent



July 22, 2014

Subject: 2014 Facility Assessment

On behalf of Facilities Services, I wish to thank you for participating in the Principal's Survey this past spring and allowing Facilities Staff to perform the Facility Assessment Inspection of your campus. This correspondence is being sent to provide you with an outline of the districtwide prioritization process for the facility deficiencies that have been identified and detailed findings of the Facility Assessment for your campus.

DISTRICTWIDE

This Facility Assessment focused on select items pertaining to critical systems and building/site components on each school campus. The three primary categories of this Facility Assessment are Facility Renewal, District School Security and Educational Technology. Attachment A to this document identifies those items which were evaluated in the Facility Assessment and those which were not included in this assessment. In addition, Exhibit A is ordered per the priorities set for the Facility Assessment by the primary categories and identifies those elements planned to be funded through the surtax revenues. Through the Assessment, it was found that the total Renewal Needs for the District are approximately \$757 million - Facility Renewal \$721 million; District School Security \$8 million; and Educational Technology \$27 million. It is presently estimated that \$198 million will be generated during the six-year time period from the half-cent sales surtax which will be put before the voters in November of 2014.

Facility Renewal

The Facility Assessment included over 50 building system and 36 site components which were evaluated by the inspection teams at each campus. The components were rated on a scale of 1 to 5, with a ranking of Condition Code 1 being most critical (high likelihood of failure in the next two to three years) and a ranking of Condition Code 5 being close to new. Cost estimates were developed with regional construction and engineering firms to identify the expenditures required to bring the facility systems and building/site components back to a Condition Code rating of 5. Attachment B provides an outline of the Districtwide Capital Needs to correct the deficiencies identified in the assessment.

District School Security

Facility Services staff undertook a fencing survey to identify the existing fencing at each campus and developed a preliminary layout to limit access to a single point of entry at the Administration Office. In addition, evaluations were undertaken with District Security and Educational Technology to identify methods of access control and the use of security cameras at each campus. Attachment B also provides the full outline of all security deficiencies identified with districtwide estimates.

Joseph A. Ranaldi AIA, LEED BD+C
Director / Planning and Project Management, Facilities Management Services
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Educational Technology

Educational Technology staff identified needs for completing the Technology Building Cabling (Structured Cabling) system at all campuses; Classroom Technology Infrastructure (electrical power, technology HVAC and data); Technology Equipment Renewal (servers, switches, telephone, wireless, computer replacement); and the refreshment/renewal of 21st Century Classroom Equipment, including new installations in instructional spaces. Attachment B also provides the full outline of all technology deficiencies identified with districtwide estimates.

Prioritization

The components of each of the three categories noted above were ranked in order of relative importance within the category. Prioritization was further refined by identifying those critical infrastructure systems where failure to renew either jeopardized mission delivery or significantly increased capital costs for repair-at-failure. As an example in the Facility Renewal category, air conditioning was ranked higher (more important) than ceilings or paving. Attachment B is listed by prioritization of the components in each category matching Attachment A.

Funding

Because the sales surtax will only generate \$198 million of the \$757 million need, only partial funding can be allocated for each category. This results in funding for the higher priority components in each of the categories to address the most critical Condition Codes.

For Facility Renewal, 17 components were identified as mission critical priorities. These components include Code/Life Safety elements, critical Building System elements (Mechanical, Plumbing, Electrical) and Building Envelope elements (Walls, Roofing, Doors, Windows). Attachment C and Attachment D are a summary and detailed report respectively listing districtwide estimates of all the Condition Code 1 and 2 items planned to be funded. All of the Condition Code 1 items for these 17 components and 13 of the Condition Code 2 items were able to be funded.

For District School Security, Perimeter/Entry Fencing and Building Access Security Equipment were fully funded to enhance student and staff safety.

For Educational Technology, Technology Building Cabling, Classroom Technology Infrastructure and Technology Equipment Renewal were fully funded to comply with legislative and mission critical requirements. Those Educational Technology elements prioritized to be funded were found to be more critical than the unfunded Facility Renewal items.

A Reserve of approximately \$10 million total, slightly less than 2 million per year, has been established to fund unforeseen failures or where unfunded Condition Code 1 or 2 elements become critical safety factors or negatively impact the education mission.

SCHOOL SPECIFIC REPORTS

Attached you will find two documents (Attachment E and Attachment F) which are specific to your school and campus.

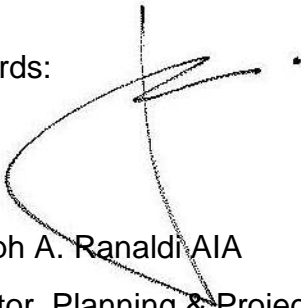
Attachment E is a detailed outline of the Campus Capital Needs based on the condition findings on your campus developed during the Facility Assessment Inspection. This summary includes all facility items from Condition Code 1 through Condition Code 5 and provides the specific Condition Code Rating for each element. Note that a number of these facility items are not able to be funded by the sales surtax.

Attachment F identifies the Campus Capital Needs planned to be funded by the sales surtax on your campus from the \$198 million in revenues during the sales surtax term. Projects specific to your campus will be developed based on the estimated needs identified in this Attachment F.

Upon approval of the half-cent sales surtax, projects districtwide will be prioritized and scheduled as funding becomes available.

Thank-you for participating in the activities that have allowed us to complete this comprehensive Facility Assessment. If any questions arise or additional information is required, please contact me at 321-633-1000 X446 at your convenience.

Regards:

A handwritten signature in black ink, appearing to read 'Joseph A. Ranaldi', is written over the printed name and title.

Joseph A. Ranaldi AIA
Director, Planning & Project Management
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Attachment A

2014 Facility Assessment

Categories in Facility Assessment - Surtax Funding Status

Facility Renewal

1. Safety and Building Code Deficiency Corrections **(Condition Code 1 & 2 Funded)**
2. ADA Code Deficiency Correction **(Condition Code 1 & 2 Funded)**
3. Fire Alarm System Renewal **(Condition Code 1 & 2 Funded)**
4. Central Mechanical Plant Renewal **(Condition Code 1 & 2 Funded)**
5. Cooling and Heating Control System Renewal **(Condition Code 1 & 2 Funded)**
6. Air Conditioning and Air Distribution Equipment Renewal **(Condition Code 1 & 2 Funded)**
7. Roofing System Renewal **(Condition Code 1 & 2 Funded)**
8. Exterior Building Wall Finish System Renewal **(Condition Code 1 & 2 Funded)**
9. Exterior Door/Window/Louver System Renewal **(Condition Code 1 & 2 Funded)**
10. Building Water and Sanitary Piping System Renewal **(Condition Code 1 & 2 Funded)**
11. Water Heating System Renewal **(Condition Code 1 & 2 Funded)**
12. Electrical Supply System (Transf., Switchgear, Wiring) Renewal **(Condition Code 1 & 2 Funded)**
13. Electrical Distribution System Renewal **(Condition Code 1 & 2 Funded)**
14. Electrical Components (Lightning Prot., Intercom, Gen.) Renewal **(Condition Code 1 Funded)**
15. Interior and Exterior Lighting Equipment Renewal **(Condition Code 1 Funded)**
16. Air Supply and Exhaust System Renewal **(Condition Code 1 Funded)**
17. Site Utility Systems (Gas, Electric, Storm, Water, Sanitary) Renewal **(Condition Code 1 Funded)**
18. Site Improvements (Parking, Paving, Walks, Signage) Renewal **(Not Funded)**
19. Site Facilities (Pavilions, Athletic/Playfields, Concessions) Renewal **(Not Funded)**
20. Restroom Fixtures Renewal **(Not Funded)**
21. Plumbing Systems General (Custodial, Labs, Roof Drains, Water Fountains) **(Not Funded)**
22. Interior Door Assembly Renewal **(Not Funded)**
23. Restroom Finishes and Accessories Renewal **(Not Funded)**
24. Building Cabinetry Renewal **(Not Funded)**
25. Interior Specialties (Lockers, Theater Equip., Audit. Seating, Bleachers) Renewal **(Not Funded)**
26. Interior Wall Finishes Renewal **(Not Funded)**
27. Interior Ceiling Renewal **(Not Funded)**
28. Flooring System Renewal **(Not Funded)**
29. Interior Signage Renewal **(Not Funded)**
30. Interior Stair System Renewal **(Not Funded)**
31. Indoor/Outdoor Pool Renewal **(Not Funded)**
32. Building Foundation System Renewal **(Not Funded)**
33. Building Structural System Renewal **(Not Funded)**

Categories in Facility Assessment - Surtax Funding Status (Cont.)

Educational Technology

1. Technology Building Cabling (**Fully Funded - Legislative Compliance & Mission Delivery**)
2. Technology Equipment Renewal (**Fully Funded - Legislative Compliance & Mission Delivery**)
3. Classroom Technology Infrastructure (Electric, HVAC & Data) (**Fully Funded - Legislative Compliance & Mission Delivery**)
4. 21st Century Classroom Equipment Renewal (**Not Funded**)

District School Security

1. Fencing (**Fully Funded - Critical Safety Enhancement**)
2. Access Control (**Fully Funded - Critical Safety Enhancement**)
3. Cameras (**Not Funded**)

Categories Not Included in Facility Assessment

Additional Classroom Space

New Facility Requirements for Academic Programs

Furniture and Equipment Renewal

Food Service Equipment Renewal

New Playgrounds

New Middle School Gym A/C

New PE Pavilions

Equity Projects

Landscaping



Attachment B

Districtwide Capital Needs Summary Report

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

	Estimate
District School Security	\$8,505,377
Perimeter/Entry Fencing and Gates	\$2,858,262
Building Access Security Equipment	\$2,888,280
Campus Security Camera System	\$2,758,835
Educational Technology	\$27,193,246
Technology Building Cabling	\$6,292,518
Technology Equipment Renewal	\$11,177,583
Classroom Technology Infrastructure (Electrical, HVAC and Data)	\$7,894,726
21st Century Classroom Equipment Renewal	\$1,828,419
Facility Renewal	\$721,750,379
Safety and Building Code Deficiency Corrections	\$5,509,194
ADA Code Deficiency Corrections	\$5,257,944
Fire Alarm System Renewal	\$5,409,921
Central Mechanical Plant Renewal	\$74,662,548
Cooling and Heating Control System Renewal	\$18,349,266
Air Conditioning and Air Distribution Equipment Renewal	\$42,442,854
Roofing System Renewal	\$121,239,705
Exterior Building Wall Finish System Renewal	\$11,341,886
Exterior Door/Window/Louver System Renewal	\$15,671,492
Building Water and Sanitary Piping System Renewal	\$5,162,560
Water Heating System Renewal	\$1,072,025
Electrical Supply System (Transformers, Switchgear and Wiring) Renewal	\$552,184
Electrical Distribution System Renewal	\$29,278,686
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal	\$21,893,799
Interior and Exterior Lighting Equipment Renewal	\$14,182,004
Air Supply and Exhaust System Renewal	\$33,640,659
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal	\$30,843,856
Site Improvements (Parking, Paving, Walks and Signage) Renewal	\$41,008,755
Site Facilities (Pavilions, Athletic/Play Fields and Concessions) Renewal	\$64,531,003
Restroom Fixtures Renewal	\$29,387,769
Plumbing System General (Custodial, Labs, Roof Drains, Water Fountains)	\$24,635,117
Interior Door Assembly Renewal	\$13,341,798
Restroom Finishes and Accessories Renewal	\$7,959,077
Building Cabinetry Renewal	\$22,657,421
Interior Specialties (Lockers, Theater Equipment, Auditorium Seating, Bleachers) Renewal	\$3,254,551
Interior Wall Finishes Renewal	\$23,421,587
Interior Ceiling Renewal	\$13,536,774
Flooring System Renewal	\$19,381,364
Interior Signage Renewal	\$1,117,994
Interior Stair System Renewal	\$1,603,761
Indoor/Outdoor Pool Renewal	\$373,745
Building Foundation System Renewal	\$5,250,830
Building Structural System Renewal	\$13,778,251
Totals	\$757,449,002



Attachment C

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Districtwide Capital Needs Sales Surtax Funded Summary Report

	Estimate
District School Security	\$5,746,542
Perimeter/Entry Fencing and Gates	\$2,858,262
Building Access Security Equipment	\$2,888,280
Educational Technology	\$25,364,827
Technology Building Cabling	\$6,292,518
Technology Equipment Renewal	\$11,177,583
Classroom Technology Infrastructure (Electrical, HVAC and Data)	\$7,894,726
Facility Renewal	\$156,969,949
Safety and Building Code Deficiency Corrections	\$4,257,842
ADA Code Deficiency Corrections	\$649,800
Fire Alarm System Renewal	\$2,112,753
Central Mechanical Plant Renewal	\$40,985,098
Cooling and Heating Control System Renewal	\$18,092,694
Air Conditioning and Air Distribution Equipment Renewal	\$32,185,914
Roofing System Renewal	\$16,449,473
Exterior Building Wall Finish System Renewal	\$2,947,529
Exterior Door/Window/Louver System Renewal	\$1,728,266
Building Water and Sanitary Piping System Renewal	\$3,664,628
Water Heating System Renewal	\$572,056
Electrical Supply System (Transformers, Switchgear and Wiring) Renewal	\$228,151
Electrical Distribution System Renewal	\$14,272,356
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal	\$2,962,293
Interior and Exterior Lighting Equipment Renewal	\$687,954
Air Supply and Exhaust System Renewal	\$11,264,176
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal	\$3,908,967
Totals:	\$188,081,317



Attachment D

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Districtwide Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
District School Security	1.00	\$5,746,542
Perimeter/Entry Fencing and Gates		\$2,858,262
Pedestrian Access and Safety (Fencing)	1.00	\$2,858,262
Building Access Security Equipment		\$2,888,280
Public Access Control	1.00	\$2,888,280
Educational Technology	2.17	\$25,364,827
Technology Building Cabling		\$6,292,518
Structured Cabling	3.26	\$6,292,518
Technology Equipment Renewal		\$11,177,583
Computer Replacement	3.37	\$3,309,243
Server Replacement	1.82	\$3,463,644
Switch Replacement	2.13	\$1,609,832
Telephone System Replacement	1.24	\$1,898,745
Wireless Access Points Replacement	1.68	\$896,119
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$7,894,726
Student Stations Data Drops	4.24	\$703,094
Student Stations Power/ Technology HVAC	1.00	\$7,191,632
Facility Renewal	1.42	\$156,969,949
Safety and Building Code Deficiency Corrections		\$4,257,842
Fire Safety / Sanitation / Code Compliance	1.00	\$3,980,323
Open Code Issues	1.06	\$277,519
ADA Code Deficiency Corrections		\$649,800
Accessible Entry	2.00	\$13,224
Barrier Free Route ROW Sidewalk to Building Entry	1.50	\$24,077
Building Entry	2.00	\$4,408
Exterior Ramps and Walks	2.00	\$220,339
Exterior Stairs and Railings	1.75	\$183,950
Handicap Parking	2.00	\$187,690
Passenger Loading Zones	2.00	\$16,112
Fire Alarm System Renewal		\$2,112,753
Fire Alarm System	1.57	\$2,112,753
Central Mechanical Plant Renewal		\$40,985,098
Booster Pumps, Chilled Water, VFD's and Recirculation pumps	1.20	\$2,149,916
Chillers	1.18	\$17,982,083
Cooling Towers	1.35	\$1,429,592
Heating Boilers	1.35	\$1,401,863
Makeup Water Secondary Backflow Preventer and Water Treatment	1.15	\$4,044,332
Piping and Valves, Distribution Piping, Insulation, Tanks and Chilled Water	1.52	\$13,222,817
Refrigeration Room Monitoring and Ventilation	1.03	\$373,205
TES Heat Exchanger	2.00	\$381,290
Cooling and Heating Control System Renewal		\$18,092,694
Building Automation System	1.30	\$18,092,694
Air Conditioning and Air Distribution Equipment Renewal		\$32,185,914
Wall Hung, Rooftop, Air Handlers, Split Systems, Unit Ventilators, Water Source Heat Pumps and Unitary Systems	1.13	\$23,063,623



Attachment D

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Districtwide Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$9,122,291
Roofing System Renewal		\$16,449,473
Gutters and Downspouts	1.63	\$805,239
Membrane Renewal	1.89	\$9,916,234
Relocatable Covered Walkways (SREF)	1.00	\$5,728,000
Exterior Building Wall Finish System Renewal		\$2,947,529
Expansion / Control Joints	1.86	\$211,328
Exterior Finish	1.92	\$1,737,476
Exterior Sealants	1.85	\$465,500
Sealants	1.92	\$251,675
Soffits	1.80	\$264,223
Thermal Condition	1.80	\$17,327
Exterior Door/Window/Louver System Renewal		\$1,728,266
Exterior Door Hardware	1.75	\$16,608
Exterior Doors	1.33	\$11,225
Louvers and Vents	1.88	\$59,505
Main Entry Doors	1.89	\$69,463
Main Entry Hardware	1.50	\$117,766
Other Exterior Door Hardware	1.75	\$69,630
Other Exterior Doors	2.00	\$29,953
Windows	1.92	\$1,354,116
Building Water and Sanitary Piping System Renewal		\$3,664,628
Isolation Valves	1.08	\$156,107
Sanitary Piping	1.19	\$1,497,233
Supply Piping	1.49	\$1,988,213
Tanks	1.60	\$23,074
Water Heating System Renewal		\$572,056
Water Heaters	1.41	\$572,056
Electrical Supply System (Transformers, Switchgear and Wiring) Renewal		\$228,151
Panel Boards	1.00	\$38,421
Motor Control Centers	1.80	\$56,489
Multiple Service Feeds	1.25	\$36,347
Service Switchgear	1.40	\$96,894
Electrical Distribution System Renewal		\$14,272,356
Devices Switches and Receptacles	1.00	\$15,792
Feeders	1.00	\$110,664
Panel Boards	1.00	\$2,556,415
Panel boards Condition / Capacity	2.00	\$2,266,012
Transformers	1.79	\$2,822,748
TSS Surge Suppression	1.75	\$6,470,717
Kitchen Equipment Supply	2.00	\$21,609
Emergency Condition and Code Compliance	2.00	\$8,399
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal		\$2,962,293
Elevator Operating Condition	1.00	\$10,215
Equipment	1.00	\$2,405,969
Kitchen Equipment Supply	1.00	\$29,131



Attachment D

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Districtwide Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Lightning Protection	1.00	\$499,166
Motor Control Centers	1.00	\$17,812
Interior and Exterior Lighting Equipment Renewal		\$687,954
Corridor / Common Area Lighting	1.00	\$28,507
Emergency Lighting	1.00	\$156,466
Exterior Perimeter Building Mounted Lighting	1.00	\$82,439
Exterior Walkway Lighting	1.00	\$67,817
Lighting Controls Building Level	1.00	\$16,698
Motion Detection	1.00	\$163,609
Performance Lighting	1.00	\$69,613
Restroom Lighting	1.00	\$88,375
Room Lighting Instructional	1.00	\$14,432
Air Supply and Exhaust System Renewal		\$11,264,176
Ductwork Renewal	1.00	\$10,299,648
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$964,527
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal		\$3,908,967
Backflow Preventer	1.00	\$15,162
Compactor	1.00	\$31,840
Electrical Service	1.00	\$169,670
Lift Stations / Septic System	1.00	\$661,339
Sanitary Collection / Septic System	1.00	\$1,126,320
Storm Water Management	1.00	\$368,220
Water Distribution Systems	1.00	\$1,536,416
Totals:		\$188,081,317



Attachment E Campus Capital Needs Detail Report

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Facility	Condition Code	Estimate
Palm Bay Elementary	3.03	\$7,282,865
District School Security	1.67	\$87,609
Perimeter/Entry Fencing and Gates	1.00	\$36,451
Pedestrian Access and Safety (Fencing)	1.00	\$36,451
Building Access Security Equipment	1.00	\$24,556
Public Access Control	1.00	\$24,556
Campus Security Camera System	3.00	\$26,602
Security Cameras	3.00	\$26,602
Educational Technology	2.80	\$195,198
Technology Building Cabling	4.00	\$9,996
Structured Cabling	4.00	\$9,996
Technology Equipment Renewal	2.20	\$78,794
Computer Replacement	4.00	\$5,597
Server Replacement	1.00	\$34,010
Switch Replacement	4.00	\$3,602
Telephone System Replacement	1.00	\$24,638
Wireless Access Points Replacement	1.00	\$10,948
Classroom Technology Infrastructure (Electrical, HVAC and Data)	1.00	\$91,061
Student Stations Power/ Technology HVAC	1.00	\$91,061
21st Century Classroom Equipment Renewal	4.00	\$15,347
Audio Equipment Replacement	4.00	\$5,116
Document Camera Replacement	4.00	\$5,116
Projector / Screen Replacement	4.00	\$5,116
Facility Renewal	3.06	\$7,000,057
ADA Code Deficiency Corrections	2.00	\$109,805
Accessible Entry	2.00	\$2,128
Barrier Free Route ROW Sidewalk to Building Entry	2.00	\$20,429
Building Entry	2.00	\$2,128
Exterior Ramps and Walks	2.00	\$40,858
Handicap Parking	2.00	\$35,750
Passenger Loading Zones	2.00	\$8,512
Fire Alarm System Renewal	2.00	\$120,012
Fire Alarm System	2.00	\$120,012
Central Mechanical Plant Renewal	3.00	\$901,404
Booster Pumps, Chilled Water, VFD's and Recirculation pumps	4.00	\$23,533
Chillers	1.00	\$501,348
Cooling Towers	3.00	\$33,764
Heating Boilers	4.00	\$19,440
Piping and Valves, Distribution Piping, Insulation, Tanks and Chilled Water	3.00	\$323,319
Cooling and Heating Control System Renewal	1.00	\$166,775
Building Automation System	1.00	\$166,775
Air Conditioning and Air Distribution Equipment Renewal	1.00	\$648,683
Wall Hung, Rooftop, Air Handlers, Split Systems, Unit Ventilators, Water Source Heat Pumps and Unitary Systems	1.00	\$648,683
Roofing System Renewal	2.00	\$1,432,002
Condition Rating of the Roof	3.00	\$1,166,402
Relocatable Covered Walkways (SREF)	1.00	\$265,600



Attachment E

Campus Capital Needs Detail Report

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Facility	Condition Code	Estimate
Palm Bay Elementary	3.03	\$7,282,865
Facility Renewal	3.06	\$7,000,057
Exterior Building Wall Finish System Renewal	3.00	\$123,923
Expansion / Control Joints	3.00	\$6,347
Exterior Finish	3.00	\$86,209
Exterior Sealants	3.00	\$18,674
Soffits	3.00	\$12,694
Exterior Door/Window/Louver System Renewal	3.00	\$220,365
Louvers and Vents	3.00	\$4,616
Main Entry Doors	3.00	\$8,078
Main Entry Hardware	3.00	\$14,597
Other Exterior Door Hardware	3.00	\$5,193
Other Exterior Doors	3.00	\$3,462
Windows	3.00	\$184,420
Building Water and Sanitary Piping System Renewal	1.80	\$83,772
Sanitary Piping	1.67	\$35,026
Supply Piping Any Galvanized Above Grade	2.00	\$48,746
Water Heating System Renewal	3.00	\$14,324
Water Heaters	3.00	\$14,324
Electrical Supply System (Transformers, Switchgear and Wiring) Renewal	3.50	\$8,655
Motor Control Centers	4.00	\$2,885
Service Switchgear	3.00	\$5,770
Electrical Distribution System Renewal	4.20	\$191,382
Devices Switches and Receptacles	4.00	\$25,670
Feeders	4.00	\$4,039
Panel boards Condition / Capacity	4.33	\$51,742
Transformers	4.50	\$49,896
TSS Surge Suppression	4.00	\$60,034
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal	3.13	\$247,022
Equipment	4.33	\$85,326
Kitchen Equipment Supply	4.00	\$56,544
Lightning Protection	2.00	\$105,152
Interior and Exterior Lighting Equipment Renewal	3.44	\$159,198
Corridor / Common Area Lighting	5.00	\$4,616
Emergency Condition and Code Compliance	4.00	\$25,109
Exterior Perimeter Building Mounted Lighting	3.00	\$11,540
Exterior Walkway Lighting	3.00	\$11,540
Lighting Controls Building Level	3.67	\$43,573
Motion Detection Only	2.00	\$33,972
Performance Lighting	3.00	\$19,040
Restroom Lighting	5.00	\$4,039
Room Lighting Instructional	5.00	\$5,770
Air Supply and Exhaust System Renewal	1.00	\$29,672
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$29,672
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal	3.00	\$146,300
Backflow Preventer	3.00	\$5,320
Electrical Service	3.00	\$26,600



Attachment E

Campus Capital Needs Detail Report

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Facility	Condition Code	Estimate
Palm Bay Elementary	3.03	\$7,282,865
Facility Renewal	3.06	\$7,000,057
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal	3.00	\$146,300
Gas Distribution System	3.00	\$15,960
Lift Stations / Septic System	3.00	\$42,560
Sanitary Collection / Septic System	3.00	\$5,320
Voice / Data System	3.00	\$7,980
Water Distribution Systems Identify Galvanized	3.00	\$42,560
Site Improvements (Parking, Paving, Walks and Signage) Renewal	3.00	\$337,353
Access Gates	3.00	\$4,682
Athletic Field / Court Fencing	3.00	\$28,164
Curbing	3.00	\$8,512
Emergency Vehicle Access	3.00	\$12,502
Equipment Stormwater Fencing	3.00	\$9,384
Off-site Sidewalks / Crosswalks	3.00	\$28,164
Off-Site Signage	3.00	\$6,256
On-Site Sidewalks / Crosswalks Erosion	3.00	\$29,410
On-Site Signage	3.00	\$12,513
Paving Bus Driveway Asphalt / Concrete	3.00	\$46,933
Paving Parking Lot Asphalt / Concrete	3.00	\$79,800
Perimeter Fencing	3.00	\$18,780
Striping / Pavement Markings / Speed Bumps	3.00	\$5,320
Student Drop-off Asphalt / Concrete	3.00	\$46,933
Site Facilities (Pavilions, Athletic/Play Fields and Concessions) Renewal	3.21	\$358,699
Bike Racks / Storage Safe and Accessible	2.00	\$2,503
Condition Rating of Relocatable	3.56	\$110,264
Dumpster Apron, Pad, Enclosure	3.00	\$15,641
Exterior Furniture	3.00	\$5,001
Hardcourt Courts Outdoor	3.00	\$75,097
PE Equipment Storage Areas	3.00	\$46,933
Playground Areas Impact Material and Edging	3.00	\$6,256
Playground Canopies	3.00	\$28,164
Playground Equipment Condition and Safety	3.00	\$37,549
Playground Fencing and Condition	3.00	\$3,128
Walkway Canopies Freestanding	3.00	\$28,164
Restroom Fixtures Renewal	3.11	\$163,800
ADA Fixture Provisions Heights	2.00	\$6,924
Lavatories / Sinks	3.50	\$17,493
Restroom ADA Accessibility Large Stall	3.00	\$4,616
Urinals	3.00	\$34,372
Water Closets	3.33	\$100,395
Plumbing System General (Custodial, Labs, Roof Drains, Water Fountains)	3.00	\$137,884
Custodial Closets Mop Sinks	3.00	\$104,616
Piping	3.00	\$27,498
Water Fountains Self Contained Water Cooler	3.00	\$5,770
Interior Door Assembly Renewal	3.25	\$122,383
Classroom Door and Frame	3.25	\$48,838



Attachment E

Campus Capital Needs Detail Report

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Facility	Condition Code	Estimate
Palm Bay Elementary	3.03	\$7,282,865
Facility Renewal	3.06	\$7,000,057
Interior Door Assembly Renewal	3.25	\$122,383
Classroom Hardware	3.25	\$73,545
Restroom Finishes and Accessories Renewal	3.17	\$79,398
Restroom Accessories	3.00	\$16,155
Restroom Screen Partitions	3.00	\$12,117
Restroom Toilet Partitions	3.00	\$12,117
Restroom Walls	3.33	\$39,010
Building Cabinetry Renewal	3.25	\$209,319
Cabinetry	3.25	\$209,319
Interior Specialties (Lockers, Theater Equipment, Auditorium Seating, Bleachers) Renewal	3.00	\$47,889
Theater and Stage Equipment Rigging	3.00	\$41,543
Theater Curtains	3.00	\$6,347
Interior Wall Finishes Renewal	2.75	\$405,778
Wall Finishes Other	2.00	\$363,497
Wall Finishes Restrooms	3.00	\$42,280
Interior Ceiling Renewal	3.20	\$139,349
Ceiling ACT	3.25	\$128,386
Ceiling Drywall	3.00	\$10,963
Flooring System Renewal	3.11	\$307,842
Flooring Carpet	3.00	\$13,271
Flooring Sealed Concrete	3.00	\$2,308
Flooring Terrazzo	3.00	\$121,743
Flooring Tile	3.25	\$158,404
Flooring VCT	3.00	\$2,308
Restroom Flooring	3.00	\$9,809
Interior Signage Renewal	3.00	\$9,809
Signage Room Side Mount or Door Mount	3.00	\$9,809
Interior Stair System Renewal	3.00	\$26,541
Stair Handrail	3.00	\$17,309
Stair Landing Finish	3.00	\$9,232
Building Foundation System Renewal	4.00	\$47,834
Slab on Grade	4.00	\$5,193
Structure Foundation / Footings	4.00	\$42,641
Building Structural System Renewal	4.00	\$2,885
Structure	4.00	\$2,885



Attachment F

Facilities Services
 2700 Judge Fran Jamieson Way
 Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Palm Bay Elementary	1.69	\$2,110,597
District School Security	1.00	\$61,007
Perimeter/Entry Fencing and Gates		\$36,451
Pedestrian Access and Safety (Fencing)	1.00	\$36,451
Building Access Security Equipment		\$24,556
Public Access Control	1.00	\$24,556
Educational Technology	2.29	\$179,851
Technology Building Cabling		\$9,996
Structured Cabling	4.00	\$9,996
Technology Equipment Renewal		\$78,794
Computer Replacement	4.00	\$5,597
Server Replacement	1.00	\$34,010
Switch Replacement	4.00	\$3,602
Telephone System Replacement	1.00	\$24,638
Wireless Access Points Replacement	1.00	\$10,948
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$91,061
Student Stations Power/ Technology HVAC	1.00	\$91,061
Facility Renewal	1.53	\$1,869,739
ADA Code Deficiency Corrections		\$57,030
Accessible Entry	2.00	\$2,128
Barrier Free Route ROW Sidewalk to Building Entry	2.00	\$10,214
Building Entry	2.00	\$2,128
Exterior Ramps and Walks	2.00	\$20,429
Handicap Parking	2.00	\$17,875
Passenger Loading Zones	2.00	\$4,256
Fire Alarm System Renewal		\$120,012
Fire Alarm System	2.00	\$120,012
Central Mechanical Plant Renewal		\$501,348
Chillers	1.00	\$501,348
Cooling and Heating Control System Renewal		\$166,775
Building Automation System	1.00	\$166,775
Air Conditioning and Air Distribution Equipment Renewal		\$648,683
Wall Hung, Rooftop, Air Handlers, Split Systems, Unit Ventilators, Water Source Heat Pumps and Unitary Systems	1.00	\$648,683
Roofing System Renewal		\$265,600
Relocatable Covered Walkways (SREF)	1.00	\$265,600
Building Water and Sanitary Piping System Renewal		\$80,619
Sanitary Piping	1.00	\$31,872
Supply Piping	2.00	\$48,746
Air Supply and Exhaust System Renewal		\$29,672
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$29,672