

**MOST URGENT
CRITICAL FACILITY NEEDS
FIVE-YEAR FUNDING
Jackson County Public Schools
January 13, 2015**

YEAR 1

School of Alternates

Replace Domestic Water Pipe	\$175,000
Total Domestic Water Replacement Cost	\$175,000

Smoky Mountain High School

Install Astro-Turf on Football Field	\$650,000
TOTAL	\$650,000

Reroof Buildings A, B, C and D	
A Building East Wing 14,400 SF @ \$16/SF	\$230,400
B Building 11,520 SF @ \$16/SF	184,320
C Building 10,400 SF @ 16/SF	166,400
D Building 10,270 SF @ 16/SF	164,320
Total Reroofing 46,590 SF @ \$16/SF	\$745,440

HVAC

A Building North Wing 13,450 SF @ \$12/SF	\$161,400
A Building North Wing 3,250 SF @ \$12/SF	39,000
A Building East Wing 14,400 SF @ \$12/SF	172,800
B Building 11,520 SF @ \$12/SF	138,240
C Building 11,285 @ \$12/SF	135,420
Total HVAC Renovation	\$646,860

TOTAL CONSTRUCTION COST SMHS \$2,042,300

- Defer Existing Gymnasium Locker Room Renovations and air conditioning 5 years.
- Defer common boiler/chiller plant serving D, E, and Science Wing for 5 years.
- Defer mechanical replacement for 1998 Band Room and B Building for 5 years.

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Cullowhee Valley Elementary School Reroofing

Replace TROCAL Roof on K-2 Wing 22,260 SF @ \$16/SF	\$356,160
Total Reroofing Cost	\$356,160

- Defer Boiler Replacement 5 years (have 2)
- Defer Chiller Replacement 5 years (have 2)
- Defer Replacing Unit Ventilators 5 years
- Defer DOA 4 years

Smokey Mountain Elementary School

Reroofing Commons Area 5,820 @ \$16/SF	\$93,120
Commons Area 5,820 @ \$16/SF	\$93,120
Total Reroofing Cost	\$186,240

- Defer Geothermal System 5 years

SUMMARY

Domestic water School of Alternates	\$175,000
SMHS Astro-Turf	650,000
SMHS Reroofing	745,440
SMHS HVAC	646,860
Cullowhee Valley Elementary School TROCAL Roof	356,160
Smokey Mountain Elementary School Roof	186,240
TOTAL CONSTRUCTION COST	\$2,759,700
TESTING, FEES, CONTINGENCY @ 15%	413,955
TOTAL PROJECT COST	\$3,173,655
5% Emergency Reserve	158,683
TOTAL FUNDING YEAR 1	\$3,332,338

**MOST URGENT CRITICAL FACILITY NEEDS
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YEAR 2

Blue Ridge School

Reroofing

A Building 11,250 SF @ \$16/SF	\$180,000
Cafeteria 5,190 SF @ \$16/SF	83,040
B Building 7,830 SF @ \$16/SF	125,280
C Building 7,830 SF @ \$16/SF	125,280
Total Reroofing 32,100 SF @ \$16/SF	\$513,600

- Shingle Roof Defer five (5) years

HVAC

A Building 11,250 SF @ \$12/SF	\$135,000
Cafeteria 5,190 SF @ \$12/SF	62,280
B Building 7,830 SF @ /412/SF	93,960
C Building 7,830 SF @ \$12/SF	93,960
Total HVAC Renovation	\$385,200

- Defer Electric Heat Gymnasium
- Early College AC Under Construction.

Add for Geothermal	1,135,200
TOTAL CONSTRUCTION COST BRS	\$2,034,000

**Smoky Mountain High School
Phase 2**

Baseball Field/Softball Field	\$650,000
Field Lighting	250,000
TOTAL CONSTRUCTION COST SMHS	\$900,000

SUMMARY

Blue Ridge School Reroofing	\$513,600
Blue Ridge School HVAC	385,200
Blue Ridge School geothermal	1,135,200
SMHS Baseball Field/Softball Field	900,000
TOTAL CONSTRUCTION COST	\$2,934,000
TESTING, FEES, CONTINGENCY @ 15%	440,100
TOTAL PROJECT COST	\$3,374,100
5% Emergency Reserve	168,705
TOTAL FUNDING YEAR 2	\$3,542,805

**MOST URGENT CRITICAL FACILITY NEEDS
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YEAR 3

Smokey Mountain Elementary School

HVAC—GEOTHERMAL

Media/Administration 5,620 SF @ \$30/SF	\$168,600
Commons Area 5,820 SF @ \$30/SF	174,600
Cafeteria 6,110 SF @ \$30/SF	183,300
K-2: 9,930 SF @ \$30/SF	297,900
3-5: 9,180SF @ \$30/SF	275,400
Commons 5,780 SF @ \$30/SF	173,400
TOTAL CONSTRUCTION COST SMES	\$1,273,200

- Defer 6-8 and Gymnasium 5 years.
- Defer Geothermal System 6-8 Wing and in Gymnasium 5 years
- Install Well Field Now.

Smoky Mountain High School

Phase 3

Multipurpose Irrigated Grass Field	\$250,000
No Field Lighting.	0
400-Meter New Track Urethane Surface	700,000
TOTAL CONSTRUCTION COST SMHS	\$950,000

SUMMARY

Smokey Mountain Elementary School	
Geothermal	\$1,273,200
SMHS Multipurpose Field and Track	950,000
TOTAL CONSTRUCTION COST	\$2,223,200
TESTING, FEES, CONTINGENCY @ 15%	333,480
TOTAL PROJECT COST	\$2,556,680
5% Emergency Reserve	127,834
TOTAL BASE FUNDING YEAR 3	\$2,684,514
Alternate for Astroturf Multipurpose and Soccer Field	\$600,000
TOTAL BASE FUNDING + ALTERNATE:	\$3,284,514
TOTAL BASE FUNDING YEAR 3	\$3,284,514

**MOST URGENT CRITICAL FACILITY NEEDS
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YEAR 4

Cullowhee Valley Elementary School

HVAC

Construct new Dedicated Outside Air System for all classrooms 99,030 SF @ \$12.12/SF	\$1,200,000
TOTAL CONSTRUCTION COST	\$1,200,000

- Defer Boiler Replacement 5 years (have 2)
- Defer Chiller Replacement 5 years (have 2)
- Defer Replacing Unit Ventilators 5 years

Smoky Mountain High School

Phase 3 Track

Grade for Track Bleachers	\$100,000
Install Track Bleachers	\$175,000
No Lighting	-

TOTAL CONSTRUCTION COST **\$1,475,000**

SUMMARY

CVES Dedicated Outside Air	\$1,200,000
SMHS Bleachers	275,000
TOTAL CONSTRUCTION COST	\$1,475,000
TESTING, FEES, CONTINGENCY @ 15%	221,250
TOTAL PROJECT COST	\$1,696,250
5% Emergency Reserve	84,810
TOTAL BASE FUNDING YEAR 4	\$1,781,060

Alternate: Replace Entire HVAC System at CVES	\$1,080,000
TOTAL BASE FUNDING + ALTERNATE:	\$2,861,060

**MOST URGENT CRITICAL FACILITY NEEDS
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YEAR 5

Fairview Elementary School

Reroofing:

Administration 7,840 SF @ \$16/SF	\$125,440
Media Center 7,840 SF @ \$16/SF	125,440
Commons 13,480 SF @ \$16/SF	215,680
A Building 7,840 SF @ \$16/SF	125,440
C Building 7,840 SF @ \$16/SF	125,440
D Building 7,840 SF @ \$16/SF	125,440
Total 52,680 SF @ \$16/SF	\$842,880

HVAC

- Defer Replacement 5 years

TOTAL CONSTRUCTION COST FES **\$842,880**

- Defer Other Reroofing to Second Cycle Patch as Required.

Smoky Mountain High School

Tennis Courts

Visitor Concessions & Toilets at Tennis Court & Track	\$150,000
Four Tennis Courts with Lights	330,000
TOTAL CONSTRUCTION COST SMHS	\$480,000

SUMMARY

Fairview Elementary School Reroofing	\$842,880
Smoky Mountain High School Tennis Courts	480,000
TOTAL CONSTRUCTION COST	\$1,322,880
TESTING, FEES, CONTINGENCY @ 15%	198,432
TOTAL PROJECT COST	\$1,521,312
5% Emergency Reserve	76,065
TOTAL FUNDING YEAR 5	\$1,597,377

Cort Architectural Group, PA

From: Cort Architectural Group, PA
Sent: Tuesday, January 13, 2015 2:55 PM
To: Chuck Wooten <chuckwooten@jacksonnc.org>
Cc: Dr. Michael Murray <mmurray@jcpsmail.org>; Kimberly Elliott (kelliott@jcpsmail.org); Bruce Youngberg; 'Hamilton Cort'
Subject: Jackson County Schools Critical Needs
Attachments: 2015 01-13 Cost Estimate_by year.pdf

FROM: John E. Cort, AIA, LEED AP

Chuck:

Attached are pages 1 – 6, Most Urgent Critical Facility Needs which prioritize the funding for the most urgently needed improvements identified in the Critical Facility Needs Study to be presented to the Board of Commissioners on January 20, 2015. These priorities have been presented to the Jackson County Board of Education Chair and Vice Chair and to the Superintendent and Assistant Superintendent. The costs do not address all needs. The intent is to bring current overdue replacement of roofs and mechanical systems within a 5-year period. Athletic Field costs include cost projections made by an Athletics Fields Specialty Contractor. A summary of 5-year critical funding needs is as follows:

SUMMARY

TOTAL FUNDING YEAR 1:	\$3,332,338
TOTAL FUNDING YEAR 2:	\$3,542,805
TOTAL FUNDING YEAR 3:	\$3,284,514
TOTAL FUNDING YEAR 4:	\$2,861,060
TOTAL FUNDING YEAR 5:	\$1,597,377
TOTAL FUNDING YEAR 1-5:	\$14,618,094

John.

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