

## Executive Summary

---

---

### West Virginia Department of Education Office of School Operations & Finance – School Facilities

**Introduction:** The Kanawha County Board of Education requests approval of an amendment to their current 2020-2030 Comprehensive Educational Facilities Plan (CEFP).

**Changes:** Policy 6200 requires all local boards of education to submit amendments to CEFPs to the WVBE and the School Building Authority of West Virginia (SBA) for approval. The Kanawha County Board of Education requests approval to revise their 2020-2030 CEFP to include a change in their priority list and additional closures and consolidations. Marmet Elementary School is now planned to be consolidated into the existing Chesapeake Elementary School. Grandview Elementary School is proposed to be consolidated into Edgewood Elementary School and Mary C. Snow West Side Elementary School. Lastly, George C. Weimer Elementary School is proposed to be consolidated into Alban Elementary School and Bridgeview Elementary School. These closures were approved by the Kanawha County Board of Education and are proposed to occur at the end of the 2023-2024 school year.

**Impact:** The consolidation of these schools will enable Kanawha County Schools to operate their schools more efficiently.



---

200 Elizabeth Street, Charleston, West Virginia 25311-2119 • (304) 348-7732 • Fax: (304) 348-7735  
**Thomas E. Williams, Jr., Ed.D., Superintendent**

May 8, 2023

Mr. David Roach  
State Superintendent of Schools  
WV State Department of Education  
1900 Kanawha Boulevard, East  
Charleston, WV. 25305

Dear Mr. Roach:

The Kanawha County Board of Education voted unanimously on May 2, 2023, to close Marmet Elementary and merge those students into Chesapeake Elementary. The closure of Marmet Elementary would be at the end of the 2023-2024 school year.

Kanawha County Schools is requesting approval of this closure/merger. Please add this agenda item to the June meeting of the State Board of Education.

Kanawha County Schools will also submit a request for an amendment to our current CEFP. I ask that this be placed on the June agenda as well. Supporting documentation is maintained and on file in the Facilities/Planning Office for Kanawha County Schools. Please let me know if you have additional questions.

Sincerely,

Thomas E. Williams, Jr., Ed.D.  
Superintendent  
Kanawha County Schools

Cc: Micah Whitlow, WVDE Director of School Facilities Services  
Andy Neptune, Executive Director, SBA of WV  
Andrew Crawford, Executive Director of KCS Facilities/Planning  
Lindsey McIntosh, General Council, KCS



---

200 Elizabeth Street, Charleston, West Virginia 25311-2119 • (304) 348-7732 • Fax: (304) 348-7735  
**Thomas E. Williams, Jr., Ed.D., Superintendent**

May 8, 2023

Mr. David Roach  
State Superintendent of Schools  
WV State Department of Education  
1900 Kanawha Boulevard, East  
Charleston, WV. 25305

Dear Mr. Roach:

The Kanawha County Board of Education voted unanimously on May 3, 2023, to close Grandview Elementary and merge those students into Edgewood and Mary C. Snow West Side Elementaries. The closure of Grandview Elementary would be at the end of the 2023-2024 school year.

Kanawha County Schools is requesting approval of this closure/merger. Please add this agenda item to the June meeting of the State Board of Education.

Kanawha County Schools will also submit a request for an amendment to our current CEF. I ask that this be placed on the June agenda as well. Supporting documentation is maintained and on file in the Facilities/Planning Office for Kanawha County Schools. Please let me know if you have additional questions.

Sincerely,

Thomas E. Williams, Jr., Ed.D.  
Superintendent  
Kanawha County Schools

Cc: Micah Whitlow, WVDE Director of School Facilities Services  
Andy Neptune, Executive Director, SBA of WV  
Andrew Crawford, Executive Director of KCS Facilities/Planning  
Lindsey McIntosh, General Council, KCS



---

200 Elizabeth Street, Charleston, West Virginia 25311-2119 • (304) 348-7732 • Fax: (304) 348-7735  
**Thomas E. Williams, Jr., Ed.D., Superintendent**

May 8, 2023

Mr. David Roach  
State Superintendent of Schools  
WV State Department of Education  
1900 Kanawha Boulevard, East  
Charleston, WV. 25305

Dear Mr. Roach:

The Kanawha County Board of Education voted unanimously on May 4, 2023, to close George C. Weimer Elementary and merge those students into Alban and Bridgeview Elementaries. The closure of George C. Weimer Elementary would be at the end of the 2023-2024 school year.

Kanawha County Schools is requesting approval of this closure/merger. Please add this agenda item to the June meeting of the State Board of Education.

Kanawha County Schools will also submit a request for an amendment to our current CEFP. I ask that this be placed on the June agenda as well. Supporting documentation is maintained and on file in the Facilities/Planning Office for Kanawha County Schools. Please let me know if you have additional questions.

Sincerely,

Thomas E. Williams, Jr., Ed.D.  
Superintendent  
Kanawha County Schools

Cc: Micah Whitlow, WVDE Director of School Facilities Services  
Andy Neptune, Executive Director, SBA of WV  
Andrew Crawford, Executive Director of KCS Facilities/Planning  
Lindsey McIntosh, General Council, KCS

**Kanawha County Board of Education**

100.021 CEFP APPLICATION FOR AMENDMENT

*Instructions: Please provide details regarding the request for amendment for any part of the CEFP.*

<b>COUNTY</b>	<b>Kanawha County</b>
<b>DATE</b>	May 11, 2023
<b>AMENDMENT TYPE</b>	OVERALL PLAN
<b>AMENDMENT #</b>	001
<b>DATE AMENDMENT APPROVED BY LEA</b>	May 2 <sup>nd</sup> , 3 <sup>rd</sup> , and 4 <sup>th</sup> , 2023
<b>SIGNATURE-COUNTY SUPERINTENDENT</b>	

**Briefly describe the nature of the amendment and/or scope of work to be completed:**

This amendment is to change priority four of Kanawha County Schools’ 2020 – 2029 CEFP Plan from a new elementary school building for Chesapeake Elementary School and Marmet Elementary School to a series of school closures and consolidations. The amendment would incorporate the closure of Marmet Elementary School into Chesapeake Elementary School, the closure of Grandview Elementary into Edgewood Elementary School and Mary C. Snow West Side Elementary School, and the closure of George C. Weimer Elementary School into Alban Elementary School and Bridgeview Elementary School.

**A. BUDGET AMENDMENTS FOR PREVIOUSLY APPROVED PROJECT WITHIN THE CURRENT CEFP**

Include a revised CEFP finance plan summary sheet and any other altered CEFP pages with revision date as per Section E to specifically reflect the project expenditures requested in this amendment. Briefly describe the need to adjust the present budget.

<b>BUDGET ITEM</b>	<b>BUDGET AMOUNT</b>
<b>TOTAL PROJECT BUDGET APPROVED BY CEFP</b>	\$15,033,790.00
<b>A. SBA GRANT</b>	\$0.00
<b>B. OTHER (COST OF A NEW MARMET &amp; CHESAPEAKE ELEMENTARY SCHOOL)</b>	\$15,033,790.00 (Estimated in 2020-29 CEFP)
<b>AMENDMENT TO THIS PROJECT BUDGET(+/-)</b>	\$-15,033,790.00
<b>A. SBA GRANT</b>	\$0.00
<b>B. OTHER (SAVINGS FROM SCHOOL CLOSURES)</b>	\$ -15,033,790.00
<b>TOTAL PROJECT AMOUNT IF AMENDMENT APPROVED</b>	\$0.00

**B. AMENDMENT TO EXISTING OR NEW PROJECT (Complete information on additional pages if 2, 3, or 4 are checked below)**

<b>REVISE THE SCOPE OF AN EXISTING PROJECT</b>	<input checked="" type="checkbox"/>
<b>ADD A NEW PROJECT NOT CURRENTLY IN CEFP</b>	<input type="checkbox"/>
<b>NEW ADDITION OR RENOVATION PROJECT</b>	<input type="checkbox"/>
<b>TECHNOLOGY AND/OR BLDG. INFRASTRUCTURE IMPROVEMENTS</b>	<input type="checkbox"/>

Provide a revised budget in Part A for the project(s) affected by this amendment. Also, provide replacement sheets for the current approved plan on file in the SBA and WVDE offices for all chapters of the plan affected by the amendment. Include revision dates on all replacement sheets as per Section E.

**C. OVERALL PLAN AMENDMENT (Complete Information on additional pages)**

Amendments to the overall plan are defined as those changes that alter the educational delivery models (grade configuration, delivery system, etc.) or dramatically affect the major elements of the CEFP identified in WVBE 6200, Chapter 1, Handbook on Planning Schools or Goals and Objectives of the SBA (West Virginia Code §18-9D-15). Provide replacement sheets for the current approved plan on file in the SBA and WVDE offices for all chapters of the plan affected by the amendment, including revisions dates on all replacement sheets as per Section E.

Amended sections 16.2, 16.3, and 18.1 of the Kanawha County Schools 2020-2029 CEFP are included.

**D. AMENDMENT JUSTIFICATION AS REQUIRED IN WEST VIRGINIA CODE §18-9D-15 (Attachment additional backup information, if required)**

**1. Describe how the amendment alters the current ten-year comprehensive educational facilities plan, project, finance plan, and changes in the scope of the project. (Narrative)**

Priority four of Kanawha County Schools 2020-2029 CEFP is to combine Marmet Elementary School and Chesapeake Elementary School into a new facility. Kanawha County Schools is proposing in this amendment to change priority four from a new elementary school building for Chesapeake Elementary School and Marmet Elementary School to a series of school closures and consolidations. The closures and consolidations would consist of the closure of Marmet Elementary School into Chesapeake Elementary School, the closure of Grandview Elementary into Edgewood Elementary School and Mary C. Snow West Side Elementary School, and the closure of George C. Weimer Elementary School into Alban Elementary School and Bridgeview Elementary School. This would result in an annual savings of \$1,611,379.00 in operating costs for Kanawha County Schools. Kanawha County Schools would save an additional estimated \$17,408,130.00 in future additions and renovations at the schools set for closure.

**2. Provide the impact of this amendment upon the educational opportunities of students and the budget of the LEA. (Narrative)**

The Kanawha County Board of Education has experienced a loss in students over the past ten years. The overall student enrollment has decreased in enrollment by -15.5%. This represents a loss of 4,362 students from 2013/14 – 2022/23. In an effort to provide an equal and quality education to each student in Kanawha County the Kanawha County Board of Education proposes to consolidate services.

This would not only save the Board of Education operating expense, but it would allow the county to provide an education curriculum that they currently cannot afford to provide all students.

**3. Describe how the existing facility plan does not and the proposed amendment does meet the following goals of the SBA as described in WV Code §18-9D-16:**

**a. Student health and safety including, but not limited to, critical health and safety needs**

Marmet Elementary School has water damage on the walls and ceilings throughout the school. There has been humidity and mold issues in the building. There is a sever issue with water pouring through the basement walls, this has created critical issues with the decaying main electrical components that feed the school. At Marmet Elementary School, Weimer Elementary, and Grandview Elementary we have ADA compliancy issues and safe school entry's are needed.

**b. Economies of Scale, including compatibility with similar schools that have achieved the most economical organization, facility use, and pupil-teacher ratios**

The Schools set for closure are smaller schools with lower and declining enrollments. The consolidations will help boost or allow the receiving schools enrollments to stay at a higher level, thus increasing the economies of scale at the receiving schools.

**c. Reasonable Travel Time and practical means of addressing other demographic considerations**

There are no negative variances in any of the bus routes from the closing or receiving schools. The routes will not exceed the thirty minute guideline as outlined in the WVDE Policy 6200.

**d. Multi-County and regional planning to achieve the most effective and efficient instructional delivery system**

Not applicable.

**e. Curriculum improvements and diversification, including the use of instructional technology, distance learning and access to advanced courses in science, mathematics, language arts, and social studies**

**f. Innovations in Education**

Not applicable.

**g. Adequate Space for projected student enrollments**

Marmet Elementary School currently has a building utilization rate of 32.9%. After receiving students from Marmet Elementary School, Chesapeake Elementary School would have a building utilization rate of 53%. Grandview Elementary School currently has a building utilization rate of 48.2%. After receiving students from Grandview Elementary School, Edgewood Elementary School would have a building utilization rate of 91.7%. After receiving students from Grandview Elementary School, Mary C. Snow West Side Elementary School would have a building utilization rate of 68.9%. George C. Weimer Elementary School currently has a building utilization rate of 44.8%. After receiving students from George C. Weimer Elementary School, Alban Elementary School would have a building utilization rate of

60.7%. After receiving students from George C. Weimer Elementary School, Bridgeview Elementary School would have a building utilization rate of 69.5%.

**h. The history of efforts taken by the LEA to propose or adopt local school bond issues or special levies to the extent constitutionally permissible**

Kanawha County regularly passes school bond issues and special levies.

**i. Regularly scheduled preventive maintenance**

Kanawha County Schools regularly performs and tracks preventative maintenance on all building components.

**j. How the project will assure the prudent and resourceful expenditure of state funds and achieve the purposes of this article for constructing, expanding, renovating or otherwise improving and maintaining school facilities for a thorough and efficient education**

This amendment will allow Kanawha County Schools to save annual operating cost at two school facilities and two office facilities. It will also allow for the avoidance of future renovations at these facilities. The avoidance of these expenditures would allow Kanawha County Schools to increase our efficiency regarding all aspects of education, services, and operations.

**E. SUBMISSION OF REVISED CEFP PAGES**

List the page numbers changed in the CEFP by this amendment, attach the altered pages to this form, place the revision date (revised [date]) on the bottom right hand corner of each revised page, and submit one copy to both the SBA and the WVDE. If additional pages are required, use the page number from the preceding page in the CEFP and add successive letters, i.e., 47, 47a, 47b, 48.

Amended sections 16.2, 16.3, and 18.1 of the Kanawha County Schools 2020-2029 CEFP are included.

---

FOR WVDE AND SBA USE ONLY

WVDE Signature: \_\_\_\_\_

SBA Signature: \_\_\_\_\_

WVDE Approval Date: \_\_\_\_\_

SBA Approval Date: \_\_\_\_\_



## Kanawha County Schools

### 100.016.2      Translating Educational Needs-Building Review

Building Review and Recommendations Report, compiled alphabetically by school.

#### **Alban Elementary School**

##### **Describe Existing Facility:**

Alban Elementary School is a one story with masonry and steel wall bearing facility constructed in 1962 with additions in 1967 and 2001. The building contains 28,962 SF, housing classrooms, resource rooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There is one portable building in use on the site.

The building is not sprinkled and served by public water and sanitary systems. The original building is in above average condition.

##### **Describe Existing Facility Site:**

The school is located on a 3 .06-acre site fronting on Harrison Avenue. Bus loading uses Harrison Avenue and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is partially fenced for safety. The neighborhood is residential except rear of site is commercial.

##### **Recommendations for Future Use of Existing Facility:**

The school will continue to operate as an elementary school for the foreseeable future, the following improvements are required for Alban Elementary School:

- The 1962 Building and 1967 Addition has a 50+ years old Hot Water heating system with Unit Ventilators in Classrooms and Convectors in Offices and Corridors. Additionally, in the Multipurpose Room has duct mounted HW coils.
- Even though the Boilers are not old, this system has reached the end of its useful life. Cooling for Classrooms and Offices is via window AC Units (R-22). There is no Outside Air Ventilation available in the cooling mode. These units should be replaced with equipment that can provide ventilation.
- The 2003 Classroom Addition is served by Rooftop Gas/DX of same vintage. This is assumed, there was no roof access available.
- There is no safe school entrance at this school.
- The age on the portable is an estimate, it has been at the school for several years.
- Fire protection service riser is 4 inches. Private Fire Main pipe size is addressed in NFPA 24--2013, paragraph 5.2. To paraphrase: A pipe size less than 6" is permitted, provided that it does not supply a fire hydrant; supplies only an automatic sprinkler system; and hydraulic calculations show that the main is able to supply total demand at the appropriate pressure. Otherwise, the main pipe must be the same size as the service entry riser (4"). Since the system was designed prior to 2013, the "grandfather" clause may be in effect. Additional investigation is required.
- Overall parking and bus loading conditions are below average.
- Street sometimes floods causing access issues.

##### **Cost Estimates for Recommendations:**

The cost for the improvements at Alban Elementary School is \$2,040,044.37. The detailed estimate contained on SBA Form 134 is attached.

## **Alum Creek Elementary School**

### **Describe Existing Facility:**

Alum Creek Elementary School is a one-story with masonry and steel wall bearing facility constructed in 1955 with addition in 1968. The building contains 18,993 SF, housing classrooms, resource rooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There is one portable building in use on the site.

The building is not sprinkled and served by public water and sanitary systems. The original building is in poor condition. The 1968 building addition is in average condition.

### **Describe Existing Facility Site:**

The school is located on a 14.39-acre site divided by lower terrain used by the school and the upper terrain field area fronting on Brounland Road. Separate bus loading area is provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is rural residential. The school by being located on the lower site area is subject to water run-off and drainage problems.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Alum Creek Elementary School:

- The facility has R-22 DX gas heating roof top units serving the classroom. R22 DX gas heating splits serving classrooms.
- Windows need to be replaced throughout the facility.
- The facility playground is not fenced.
- The facility has an issue with sporadic vandalism.
- The restrooms are not ADA compliant.
- The facility entrance is locked but not a secure entrance.
- Water drains off adjacent hillside and has gotten into the building. Overall drainage condition is below average.
- Bus loading conditions are below average, due to limited bus stacking area.
- Overall sewage system condition is below average.
- Alum Creek Elementary School will receive HVAC improvements funded through the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Alum Creek Elementary School is \$1,653,466.85. The detailed estimate contained on SBA Form 134 is attached.

## **Andrews Heights Elementary School**

### **Describe Existing Facility:**

Andrews Heights Elementary School is a one-story with masonry and steel wall bearing facility constructed in 1952 with additions in 1961, 1968 and 2001. The building contains 21,920 SF, housing classrooms, computer lab, art/music center, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There are four portable buildings in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The original building is in below average condition. Food service is undersized and in near poor condition.

### **Describe Existing Facility Site:**

The school is located on a 3.28-acre site fronting on Coal River. Separate bus loading is provided but is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Andrews Heights Elementary School:

- There is no safe school entrance at this location.
- The facility roof access hatch is not operational.
- The HW Heating System serving the 1951 Building and the '61 and '68 Additions is 50+ years old, excepting the 2 Boilers, and has exceeded its useful life.
- The HW Heating System serving the 1951 Building and the '61 and '68 Additions is also served by multiple Gas/DX (410A) Rooftop Units (2015), except that several Classrooms have Window AC Units. The 2017 Addition is served by multiple Gas/DX units.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Andrews Heights Elementary School is \$338,237.25. The detailed estimate contained on SBA Form 134 is attached.

## **Andrew Jackson Middle School**

### **Describe Existing Facility:**

Andrew Jackson Middle School is a one-story masonry wall bearing and steel frame facility constructed in 1969 with an addition in 1990. The building contains 82,120 SF, housing classrooms, computer labs, art studios, music spaces, media center, self-contained resource classrooms, physical education/gym, small auditorium, food service spaces with adjacent dining/commons, and administrative/pupil services suite.

The building is fully sprinkled and served by public water and sanitary systems. The building is considered to be in good condition.

### **Describe Existing Facility Site:**

Approximate 22-acre site accessed from Big Tyler Road. Roads are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, spectator seating, running track, and softball field. The neighborhood is rural residential and light commercial.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Andrew Jackson Middle School:

- The facility HVAC rooftop units (2012) will reach the end of useful life about 2030.
- The facility has an undetermined extent of corroded galvanized water main piping.
- The fire protection system for this building is 50 years old.
- The facility has no Safe School entry.
- The facility above ceiling piping wrap is still mostly asbestos.
- Water source remarks: Service is combined with 6" fire service, tees off inside the building. Meter is inside the building.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Andrew Jackson Middle School is \$2,289,905.45. The detailed estimate contained on SBA Form 134 is attached.

## **Anne Bailey Elementary School**

### **Describe Existing Facility:**

Anne Bailey Elementary School is a one-story with masonry and steel wall bearing facility constructed in 1960 with additions in 1962, 1967 and 2001. The building contains 32,914 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/ pupil services space. There is one portable building in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The original building is in above average condition.

### **Describe Existing Facility Site:**

The school is located on a 7.66-acre site fronting on Winfield Road/US 35 near intersection of Rt. 60. Bus loading is provided and is separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential/ commercial.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Anne Bailey Elementary School:

- There is no safe school entrance at this school.
- Multiple roof leaks are occurring throughout the school, especially near skylights.
- For the facility HVAC, except for the replacement Boilers (2012), the HW Heating system is 50+ years old and has reached the end of its useful life.
- The majority of the classrooms are also served by individual Rooftop Units, with the exception of the 4 Classroom Addition, which has one Rooftop Unit and electric Reheat Coils in each classroom.
  - The Kitchen and Activity Room also have Rooftop Units. However, because roof access was not available, it was not possible to ascertain the age of any of these units.
- Fire protection service riser is 4". Private Fire Main pipe size is addressed in NFPA 24--2013, paragraph 5.2. To paraphrase: A pipe size less than 6" is permitted, provided that it does not supply a fire hydrant; supplies only an automatic sprinkler system; and hydraulic calculations show that the main is able to supply total demand at the appropriate pressure. Otherwise, the main pipe must be the same size as the service entry riser (4"). Since the system was designed prior to 2013, the "grandfather" clause may be in effect. Additional investigation is required.
- Overall playfield/play courts conditions are below average.
- Overall bus loading conditions are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Anne Bailey Elementary School is \$2,830,156.19. The detailed estimate contained on SBA Form 134 is attached.

## **Belle Elementary School**

### **Describe Existing Facility:**

Belle Elementary School is a two-story masonry and steel wall bearing facility constructed in 1951 with additions in 1966 and 1980. The building contains 33,581 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There is no portable building in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The original building is considered to be in below average condition.

### **Describe Existing Facility Site:**

The school is located on a 1.4-acre site on old Rt. 60 at 6th Street in Belle. Bus loading uses 6th Street and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas and is fenced for safety. The neighborhood is residential/light business.

### **Recommendations for Future Use of Existing Facility:**

Belle Elementary School will be closed, and a new Belle-Malden Elementary School will be constructed. If the school is not closed the following improvements are required for Belle Elementary School:

- The facility has no safe school entrance.
- Sherriff's office has requested additional cameras at playgrounds.
- Belle Elementary School will receive a new roof funded by the 2019 excess levy

### **Cost Estimates for Recommendations:**

The cost for the improvements at Belle Elementary School is \$2,615,029.05. The detailed estimate contained on SBA Form 134 is attached.

## **Ben Franklin Career Center**

### **Describe Existing Facility:**

Benjamin Franklin Career and Technical Center was constructed in 1970 with instructional spaces both traditional classroom and laboratories. As the program currently operates, there are morning and afternoon sessions each accommodating about 150 students and about 55-60 adults. The adult program, which primarily operates in the evening serves approximately 300 students in 18 post high school, part-time education programs. Capacity at Franklin is 400 students at one time with a potential of two groups of secondary students and one group of post-secondary students.

### **Describe Existing Facility Site:**

The school is located on a 7.81-acre site in the western area of Dunbar. There is paved parking for 200 vehicles.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Ben Franklin Career Center:

- The facility does not have a safe school entrance.
- The parking is not adequately lit.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Ben Franklin Career Center is \$330,525.00. The detailed estimate contained on SBA Form 134 is attached.

## **Bridgeview Elementary School**

### **Describe Existing Facility:**

Bridgeview Elementary School is a one and two-story masonry and steel wall bearing facility constructed in 1953 with additions in 1962 and 1969. The building contains 62,570 SF, housing classrooms, computer lab, an instructional materials center, separate gym, separate dining, food service facilities, and administrative/pupil services space.

The building is served by public water and sanitary systems. The building is considered to be in above average condition.

### **Describe Existing Facility Site:**

The school is located on a 2-acre site fronting on Ohio Avenue in Spring Hill area of South Charleston. Bus loading area uses Ohio Avenue and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Bridgeview Elementary School:

- There is no safe school entry at this location.
- There is no sprinkler system at this school.
- Cafeteria is small so children eat lunch in three shifts.
- Pneumatic controls compressor has a leak and is not able to maintain air pressure.
- Overall site conditions are below average.
- Overall parking conditions are below average. City is looking at sharing cost for additional lighting at rear of the building where most of the parking is located.
- Bus loading is on city streets.
- Adequacy of on-site access roads are below average.
- The adequacy of playfields is below average.
- There are some cracks present at the gymnasium that have been caulked and painted over where the block has shifted out of the plane of the wall.
- Overall technology infrastructure conditions are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Bridgeview Elementary School is \$5,305,328.53. The detailed estimate contained on SBA Form 134 is attached.



## **Capital High School**

### **Describe Existing Facility:**

Capital High School is a three-story steel frame/wall bearing structure. The original building was constructed in 1989 with an addition in 2000 and contains 253,000 SF. The facility houses classrooms, computer labs, resource rooms, an art studio, music spaces, media center, dining/commons, main gym, auxiliary gym, and auditorium.

### **Describe Existing Facility Site:**

Approximate 176-acre site north of Charleston fronting on Greenbrier Street/Rt. 114. Roadways are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site provides paved and grass playfields, includes small field house, tennis courts, softball and baseball fields. The neighborhood is residential. Spectator football field with running track uses Laidley Field in Charleston.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Capital High School:

- Chilled-hot water distribution piping and chilled water-hot water AHU's serving multiple classrooms are nearing end of life.
- Two 240-ton R-11 chillers are approaching the end of life.
- The facility's roof membrane needs to be replaced.
- The vestibule is secured but there is not a separate trap. The Office is located across the corridor and not connected to the vestibule.
- The HVAC and roofing products are currently being undertaken with funds from the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Capital High School is \$6,048,325.00. The detailed estimate contained on SBA Form 134 is attached.

## **Carver Career Center**

### **Describe Existing Facility:**

The Carver Career and Technical Center was constructed in 1969 and provides instructional spaces (both traditional classroom and laboratories) in instructional areas. As the program currently operates, there are morning and afternoon sessions. The adult program, which primarily operates in the evening, serves over 200 students in nine post-high school education programs. There are three outside classroom buildings.

### **Describe Existing Facility Site:**

The school is located on a 10.856-acre site between Malden and Rand, just off old Route 60. There is a paved parking area for 200 vehicles as well as acreage out back for building construction and limited parking.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Carver Career Center:

- The facility does not have a safe school entrance.
- Needs a gym large enough for assembly of all students.
- Needs a larger cafeteria.
- The utility cabinet was open during our site visit. Extreme care must be taken to keep the enclosure closed.
- Overall sewage system condition is inadequate, cast iron piping is broken in places. Upgrade is required in places.
- Issues with sanitary lines under floor slabs and loading dock is falling apart.
- Carver will receive HVAC improvements and a new roof funded through the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Carver Career Center is \$330,525.00. The detailed estimate contained on SBA Form 134 is attached.

## **Cedar Grove Elementary School**

### **Describe Existing Facility:**

Cedar Grove Elementary School is a one-story masonry and steel wall bearing facility constructed in 1969. The building contains 12,500 SF, housing classrooms, computer lab, art, music, instructional materials center, gym, food service facilities with adjacent dining room, and administrative/pupil services space.

The building is fully sprinkled and is served by public water and sanitary systems. The elementary building is considered to be in average condition.

### **Describe Existing Facility Site:**

The school is located on a 10-acre site shared with the middle school in Cedar Grove. Separate bus loading is not provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

Cedar Grove Middle School will be closed, and the facility will be renovated to function as an elementary school only. The following improvements are required for Cedar Grove Elementary School:

- The facility has no safe school entrance.
- The facility has no internal ADA ramp to connect the original with the addition.
- Meals must be delivered to the lower level via outside paved areas (issues in inclement weather).
- Overall site conditions are below average because the site is shared with Cedar Grove Middle School.
- Approximately 50% of the building is in a flood plain.
- Parking will need to be repaved in the next few years.
- Playfields/play courts are subject to flooding.
- Overall electrical service conditions are below average. The system is a series of switches using a wireway, capacity is difficult to determine.
- Overall water sources conditions are below average.
- Overall sewage system conditions are inadequate, system backs up during some rainstorms.
- No known roof structural issues for the elementary school only leaking roofs.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Cedar Grove Elementary School is \$1,651,862.25. The detailed estimate contained on SBA Form 134 is attached.

## **Cedar Grove Middle School**

### **Describe Existing Facility:**

Cedar Grove Middle School is a one and two-story masonry wall bearing, and steel frame facility constructed in 1954 with an addition in 1961. The building contains 82,550 SF, housing classrooms, computer labs, art studio, music spaces, media center, auditorium, physical education/gym, food service spaces with adjacent dining/commons, and administrative/pupil services suite.

The building is not sprinkled and is served by public water and sanitary systems. The original building is considered to be in poor condition, additions are average condition.

### **Describe Existing Facility Site:**

Approximate 10-acre site shared with elementary school in community of Cedar Grove. Roads are adequate but are not separated from pedestrian traffic. Bus loading uses city street and is not separated from vehicle traffic. Site storm drainage is adequate. On-site parking is not adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, tennis court, and softball field. The neighborhood is rural residential.

### **Recommendations for Future Use of Existing Facility:**

Cedar Grove Middle School is scheduled for closure. Students from Cedar Grove Middle School will attend Dupont Middle School. If the school is not closed, the following improvements are required for Cedar Grove Middle School:

- The facility has no safe school entrance.
- The facility has security issues with metal exit doors that are too rusted to close and lock properly.
- The facility has security issues with metal windows that are also too rusted to close and lock properly.
- The facility has a security issue with low roof at bus drop off- vandals can easily access roof.
- The facility has a safety issue at main entrances with no canopy cover over sidewalks.
- Overall site conditions are below average because the site is shared with Cedar Grove Elementary School.
- Drainage issues around building causing settlement. Building is partially in floodplain.
- Parking will need to be repaved in the next few years.
- Bus loading, no canopy over the main doors.
- Playfields/play courts are subject to flooding.
- Overall electrical service conditions are below average. The system is a series of switches using a wireway, capacity is difficult to determine.
- Overall water sources conditions are below average.
- Overall sewage system conditions are inadequate, system backs up during some rainstorms.
- Serious structural issues at gym/locker rooms and radiating out to some classrooms. Including building/floor/roof structures all below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Cedar Grove Middle School is \$8,396,860.50. The detailed estimate contained on SBA Form 134 is attached.

## **Central Elementary School**

### **Describe Existing Facility:**

Central Elementary School is a one story with masonry and steel wall bearing facility constructed in 1959 with additions in 1968 and 2006. The building contains 26,282 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/ pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The building is considered to be in above average condition. Kitchen is undersized.

### **Describe Existing Facility Site:**

The school is located on a 3.94-acre site fronting on Kanawha Terrace. Separate bus loading is not provided and is not separated from vehicle traffic. Adequate paved school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Central Elementary School:

- The facility Hot Water heating system is 50+ years old.
- Classrooms and Offices in the 1962 Building and 1969 addition have continuous convectors with no means of Outside Air ventilation. These same rooms have Window AC units (R-22), also with no means of ventilation.
- The Multipurpose Room has a suspended Air handler with duct mounted HW coils and also a DX/Electric(R-22) Rooftop Unit. The Kitchen is served by a DX/Electric (R-22) rooftop Unit. All of this equipment has or will reach the end of useful life by 2030.
- The 2006 4-Classroom Addition is served by one Gas/DX (R-22) which will reach end of useful life before 2030.
- There is no safe school entrance at this location.
- Overall bus loading conditions are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Central Elementary School is \$1,844,176.95. The detailed estimate contained on SBA Form 134 is attached.

## **Chamberlain Elementary School**

### **Describe Existing Facility:**

Chamberlain Elementary School is a two story with masonry and wood wall bearing facility constructed in 1921 with additions in 1951 and 1960. The building contains 22,227 SF, housing classrooms, computer lab, art/music space, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The original building is considered to be in poor condition, except 1960 addition is average condition.

### **Describe Existing Facility Site:**

The school is located on a 2.2-acre site at corner of 49th Street and Venable Avenue. This site was expanded to provide playfields. Bus loading uses city streets and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Chamberlain Elementary School:

- The facility has four 300 MBH steam boilers, however two are non-operational.
- The entrance is locked, but not a secure entry; and the office is remote.
- The facilities wood framed floors have deflected in classrooms.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Chamberlain Elementary School is \$1,342,897.65. The detailed estimate contained on SBA Form 134 is attached.

## **Chesapeake Elementary School**

### **Describe Existing Facility:**

Chesapeake Elementary School is a one-story masonry and steel wall bearing facility constructed in 1932 with additions in 1951 and 1969. The building contains 27,265 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities room, and administrative/pupil services space.

The building is fully sprinkled and is served by public water and sanitary systems. The 1932 building is in fair condition. Additions are considered average.

### **Describe Existing Facility Site:**

The school is located on a .11-acre site at 13 7th Street on MacCorkle Avenue, S.E. Bus loading uses city streets and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

~~Chesapeake Elementary School will be closed, and a new Chesapeake Marmet Elementary School will be constructed. If the school is not closed,~~

~~Marmet Elementary School is planned to be closed and moved into the Chesapeake Elementary Facility.~~

The following improvements are required for Chesapeake Elementary School:

- The facility has no safe school entrance.
- The facility does not have a backflow preventer.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Chesapeake Elementary School is \$3,407,317.25. The detailed estimate contained on SBA Form 134 is attached.

**Clendenin Elementary School**

Clendenin Elementary School, which was destroyed in the 2016 flood is temporarily located at the former Bridge Elementary School while the new Kanawha County Elementary School is under construction.

The Project is being funded by FEMA, Kanawha County Schools, and the State of West Virginia.



## **Cross Lanes Elementary School**

### **Describe Existing Facility:**

Cross Lanes Elementary School is a one-story masonry and steel wall bearing facility constructed in 1951 with addition(s) in 1959, 1967, 1972 and 1980. The building contains 31,884 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is not sprinkled and served by public water and sanitary systems. The building annex is in poor condition. Other additions are in average condition.

### **Describe Existing Facility Site:**

The school is located on a 3-acre site at the corner of Big Tyler Road and West Washington Street. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is light commercial retail. The site is in a high traffic and noisy area.

### **Recommendations for Future Use of Existing Facility:**

Cross Lanes Elementary School will be closed, and a new Cross Lanes Elementary Center will be constructed to combine Cross Lanes Elementary and Point Harmony Elementary. If the school is not closed, the following improvements are required for Cross Lanes Elementary School:

- There is no Sprinkler system installed in either building.
- The gas company has spray-painted multiple piping leaks in the Boiler Room in Building 1 and 2
- Main Building HVAC: 8 Classrooms are served by Gas/DX (410A) Rooftop units, several of which are also served by Unit Ventilators. These RTUs have no date stamp and are 10 years old or less.
  - They will reach the end of useful life by 2030. The Unit Ventilators, HW piping and Pumps have been in service for many years. Ideally, the entire HVAC system should be replaced by 2030 or sooner.
- Building 2 HVAC: There is overlap of 2 systems in this building. Each classroom is served by a Rooftop Unit and heated by HW fin tube. There was no roof access, so the age of the RTUs is undetermined.
- The facility has no safe school entry.
- The old elementary school building is not ADA accessible.
- Overall drainage conditions are below average: large area outside of 3 classrooms and beside multi-purpose room has recurring water drainage issue; to the point that the school keeps sandbags on site for multiple locations. Drainage needs corrective action taken also outside Pre-K classrooms.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Cross Lanes Elementary School is \$3,256,488.24. The detailed estimate contained on SBA Form 134 is attached.

## **Dunbar Intermediate School**

### **Describe Existing Facility:**

Dunbar Intermediate School is a one-story masonry and steel wall bearing facility constructed in 1968 with an addition in 2003. The building contains 43,247 SF, housing classrooms, resource rooms, computer lab, music, instructional materials center, separate gym and dining spaces, food service facilities, and administrative/pupil services space.

The building is served by public water and sanitary systems. The building is considered to be in above average condition.

### **Describe Existing Facility Site:**

The school is located on a 3.5-acre site fronting on Meyers Avenue. Bus loading is off Meyers Avenue and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is light commercial/residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Dunbar Intermediate School:

- There are large shrubs growing in the chiller enclosure. They are restricting the air flow to the air cooled chilled and degrading the performance and overall chiller life.
- This facility does not have a safe school entrance.
- The facility roof is near the end of life and will need to be replaced in the next couple of years.
- Overall bus loading conditions are below average, uses the city street.
- Adequacy of on-site access roads are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Dunbar Intermediate School is \$2,244,132.54. The detailed estimate contained on SBA Form 134 is attached.

## **Dunbar Middle School**

### **Describe Existing Facility:**

Dunbar Middle School is a one and two-story masonry wall bearing, and steel frame facility constructed in 1953 with additions in 1961, 1969, and 1984. The building contains 43,247 SF, housing classrooms, computer labs, art studio, music spaces, media center, resource space, self-contained resource classroom, auditorium, physical education/gym, food service spaces with adjacent dining, and administrative/pupil services suite.

The building is fully sprinkled and served by public water and sanitary systems. The building is currently getting a new HVAC system and a new roof.

### **Describe Existing Facility Site:**

Approximate 10.1-acre site between Dunbar Avenue and the Kanawha River. Roads are adequate and are separated from pedestrian traffic. Bus loading is not adequate and is not separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate but across 7th A venue. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, spectator seating, tennis court, softball and baseball fields. The neighborhood is residential. The building is located in the 100-year flood plain.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Dunbar Middle School:

- There is no safe school entrance at this location.
- There is no sprinkler system at this school.
- The facility roof needs replacing. There is large amount of leaves on the roof from the large trees at the front of the building.
- The facility has window type AC Units. The facility has no mechanical ventilation.
- Controls are limited to onboard with window type AC units.
- Overall site condition is below average.
- Not enough parking during events in gym or auditorium.
- Bus loading uses city street with turnaround.
- Sufficient electrical capacity is below average. Power receptacles availability is inadequate. The overall technology infrastructure is below average.
- HVAC and roofing are currently being appraised with funds from the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Dunbar Middle School is \$7,376,960.92. The detailed estimate contained on SBA Form 134 is attached.

## **Dunbar Primary School**

### **Describe Existing Facility:**

Dunbar Primary School is a one-story masonry and steel wall bearing facility constructed in 1960 with an addition in 2001. The building contains 36,226 SF, housing classrooms, computer lab, itinerant offices, instructional materials center, separate physical education space, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is served by public water and sanitary systems. The building is considered to be in above average condition.

### **Describe Existing Facility Site:**

The school is located on a 3.55-acre site fronting on Meyers Avenue. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Dunbar Primary School:

- This building does not have a safe school entrance.
- The original portion of the school has single pane windows that need to be replaced; the addition has double pane windows.
- The facility has multiple roof leaks that have been occurring the last few months, and the entire roof will need replaced in the next couple of years.
- Original portion of the school has wood doors that are delaminating to the point you can see the framing of the door in places. These need to be replaced. The addition has aluminum doors.
- The facility has R22 Roof top AC units
- The parking lot by the kitchen is the only area that is still dark.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Dunbar Primary School is \$3,624,584.61. The detailed estimate contained on SBA Form 134 is attached.

## **Dupont Middle School**

### **Describe Existing Facility:**

Dupont Middle School is a one-story masonry wall bearing and steel frame facility constructed in 1959 with an addition in 1966. The building contains 85,540 SF, housing classrooms, computer labs, art studio, music spaces, media center, physical education/gym, food service spaces with adjacent dining/commons, and administrative/pupil services suite.

The building is fully sprinkled and served by public water and sanitary systems. The building is in average condition.

### **Describe Existing Facility Site:**

Approximate 32-acre site between Rand and Dupont City fronting on old Rt. 60. Roads are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is not adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, running track, tennis court, and softball field. The neighborhood is residential and light commercial.

### **Recommendations for Future Use of Existing Facility:**

Cedar Grove Middle School will be closed and the facility will be consolidating into Dupont Middle School, the following improvements are required for Dupont Middle School:

- The facility has no safe school entrance.
- Overall electrical service conditions are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Dupont Middle School is \$4,174,728.50. The detailed estimate contained on SBA Form 134 is attached.

## **East Bank Middle School**

### **Describe Existing Facility:**

East Bank Middle School is a one and two-story masonry wall bearing, and steel frame facility constructed in 1968. No additions have been constructed. The building contains 88,500 SF, housing classrooms, computer labs, art studio, music spaces, media center, resource spaces, physical education/gym, food service spaces with adjacent dining/commons, and administrative/pupil services suite.

The building is fully sprinkled and is served by public water and sanitary systems. The building is in average condition.

### **Describe Existing Facility Site:**

Approximate 12.06-acre site at Jarrett and Main Streets in town of East Bank accessed from WV Rt. 61. Roads are adequate and are separated from pedestrian traffic. Bus loading is adequate and is not separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, running tract, tennis court, and softball field. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for East Bank Middle School:

- The facility has no safe school entrance.
- Overall sewage system conditions are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at East Bank Middle School is \$332,728.50. The detailed estimate contained on SBA Form 134 is attached.

## **Edgewood Elementary School**

### **Describe Existing Facility:**

Edgewood Elementary School provides space for hands-on exploration, technology, small group projects, and still retains space for direct teacher-led instruction. The building contains 56,177 SF. Each instructional area houses 60-75 students, and contains space for small group projects, a distributed library/media center, space for art and science projects, and a shared performance area. Four to five teachers work collaboratively as both instructors and facilitators. The area also provides three smaller classrooms for direct teacher-led instruction for groups of 16 students in both math and reading.

### **Describe Existing Facility Site:**

Edgewood Elementary School sits on a 52.881-acre site, with 21.5-useable acres. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is provided. The site supports two play areas.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Edgewood Elementary School:

- The building does not have a safe school entrance.
- Ponding water occurs between bus loop and parking area.
- Adequacy of play courts is below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Edgewood Elementary School is \$338,237.25. The detailed estimate contained on SBA Form 134 is attached.

## **Elk Elementary Center**

### **Describe Existing Facility:**

Elk Elementary Center is a one-story masonry and steel wall bearing facility constructed in 1980 with addition in 1992. The building contains 94,610 SF, housing classrooms, computer lab, instructional materials center, a separate physical education and dining spaces, small auditorium, food service facilities, childcare program, and administrative/pupil services space.

The building is fully sprinkled and served by public water and sanitary systems. The building is considered to be in good condition.

### **Describe Existing Facility Site:**

The school is located on an 8-acre site accessed from US 119. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is provided but should be expanded. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential/rural.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Elk Elementary Center:

- 1980 Building: The Indoor VAV Air handler with HW heat and DX cooling serves the original building through VAV ductwork and VAV boxes with HW reheat coils. Heating distribution is via an Atmospheric Boiler and base mounted Pumps. Central cooling is via 2 Air-Cooled Condensing Units. All this equipment, except for the ACCUs, is about 40 years old and at or past its useful life.
- 1980 Building: The Kitchen is served by a Gas/DX (R-410A) unit that is less than 10 years old. The Indoor Pool HVAC includes a dedicated Pool Dehumidification Unit (R-410A) and its Air-Cooled Condenser that are less than 10 years old. The Poolside ductwork was replaced 5-6- years ago. The Pool Water Heater was replaced in 2018.
- 1992 Addition: A Water Source Heat Pump System (R-22) with horizontal units in Classrooms, Atmospheric Draft Boiler, base mounted Pumps and Cooling Tower will reach the end of useful life by or before 2030. Also, the 2- Wheel type Heat Exchangers that provide tempered outside air to the WSHP units were not running on the day of assessment.
- The facility has no safe school entry.
- There is cracking on mechanical mezzanine that needs further structural investigation
- The pool is currently drained due to leaks.
- Sanitary line under parking lot (Owner's line) plugs up occasionally.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Elk Elementary Center is \$2,995,545.25. The detailed estimate contained on SBA Form 134 is attached.



## **Elkview Middle School**

### **Describe Existing Facility:**

Elkview Middle School is a one and two-story masonry wall bearing, and steel frame facility constructed in 1980 with an addition in 2003; gymnasium was part of Elkview High School. The building contains 90,147 SF, housing classrooms, computer labs, art studios, music spaces, media center, resource spaces, physical education/gym, food service spaces, dining/ commons, and administrative/pupil services suite. There are 3 portable buildings in use on the site.

The building is fully sprinkled and served by public water and sanitary systems. The building is considered to be in average condition.

Since the flood in 2016, Elkview Middle School is also serving as a temporary location for Herbert Hoover High School. The portable structures will be removed once the new high school is complete.

### **Describe Existing Facility Site:**

Approximate 12-acre site accessed from US 119 - Elk River Road. Roads are adequate and are not separated from pedestrian traffic. Bus loading is adequate but is not separated from vehicle traffic. Site storm drainage is not adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, spectator seating, tennis court, softball and baseball fields. The neighborhood is rural residential and light commercial.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Elkview Middle School:

- The sprinkler system heads will be 50 years old in 2030.
- The Central System, dating from 1980, consisting of the Indoor VAV AHU, HW Boilers, Air-Cooled Condensing Units, Pumps, and DDC controls has reached the end of its useful life.
- Gas/DX Rooftop Units (R-22) serving Kitchen and 2003 Classroom Addition have reached the end of their useful life.
- The gym has 2 VAV boxes installed with no heating coils. Two infrared Gas heating systems were added for heat at an unknown date.
- The facility has no safe school entry.
- The adequacy of the parking is below average because Herbert Hoover High school is currently in a large portion of the schools parking lot.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Elkview Middle School is \$6,444,695.10. The detailed estimate contained on SBA Form 134 is attached.

## **Flinn Elementary School**

### **Describe Existing Facility:**

Flinn Elementary School is a one-story masonry and steel wall bearing facility constructed in 1970 with addition in 1997. The total building contains 49,163 SF, housing classrooms, computer lab, instructional materials center, a physical education room, separate dining room, art/music room, food service facilities, and a new administrative/pupil services space.

The building is fully sprinkled and served by public water and sanitary systems. The building is considered to be in above average condition.

### **Describe Existing Facility Site:**

The school is located on an 8.582-acre site accessed fronting on Rt. 21. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is provided. The site supports limited paved and grass play areas and is not fenced for safety. The neighborhood is residential and light commercial.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Flinn Elementary School:

- The facility has no Safe School entry.
- The facility has a recurring issue at rear classroom room between 1970 and 1992 building.
- The roof has standing water over kitchen area.
- The poured floor in the kitchen has two raised areas that have been patched, but still present tripping issue.
- There were no date stamps on RTUs. Since they use R-410A, they were installed around 2010 (date of last addition). They will reach end of useful life at or before 2030.
- Overall drainage conditions are below average, rear ditch line is shallow and routine ponding at the rear of the building.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Flinn Elementary School is \$338,237.25. The detailed estimate contained on SBA Form 134 is attached.

## **Garnet Career Center**

### **Describe Existing Facility:**

Garnet Adult Education Center was constructed in 1928 with an addition in 1951. Extensive remodeling and renovation occurred in the 1966 building program to convert this facility from a junior high school to an adult education center.

### **Describe Existing Facility Site:**

Garnet is located on a one-acre site in downtown Charleston. There is limited on-site parking.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Garnet Career Center:

- The facility has window type AC units, steam convectors and radiators are serving the classrooms. Gas heating only for auto shop areas. There is no mechanical ventilation.
- There are no central control systems. Controls are limited to onboard with window units and packaged controls on RTU's.
- Storm system is tied into city system and needs to be cleaned out often.
- Parking is paid by students and faculty.
- Wood exterior doors should be replaced.
- There are several locations where exterior masonry needs to be repaired. Many window lintels are rusted and will need to be replaced in time.
- Windows need to be replaced.
- Wood floors need refinished or covered with floor covering.
- A potential Arc Flash situation in the basement exists. 13KV utility transformers are enclosed in a small space and the access door swings inward toward them (door comes within 6 inches from contacting one of the transformers). It is recommended to speak with AEP on finding an alternative location for these.
  - Overall technology infrastructure conditions are below average. Network is shared with another higher ed (Mountain State) in the building. It was mentioned new routers, switches and access points are needed throughout and there is no Fiber Optic connection to the building.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Garnet Career Center is \$2,163,518.34. The detailed estimate contained on SBA Form 134 is attached.

## George C. Weimer Elementary School

### Describe Existing Facility:

Weimer Elementary School is a one story with masonry wood wall bearing facility constructed in 1951 with additions in 1961 and 1969. The building contains 22,213 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There is one portable building in use on the site. The original building is wood/plaster construction. The building is not ADA accessible.

The building is not sprinkled and is served by public water and sanitary systems. The original building is considered to be in fair condition. The additions are in average condition.

### Describe Existing Facility Site:

The school is located on a 4.25-acre site fronting on Kanawha Terrace. Separate bus loading is not provided and is not separated from vehicle traffic. Adequate paved school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential. Weimer shares bus loading and parking with McKinley Middle School with little area for any additions.

### Recommendations for Future Use of Existing Facility:

As noted above, the following improvements are required for George C. Weimer Elementary School:

- ~~The school is not ADA compliant as there are multiple stairs in the building.~~
- ~~The building does not have a sprinkler system.~~
- ~~There is no safe school entrance at this location.~~
- ~~The entrance to the school is at the rear of the building requiring people to walk the along much of the building from the parking area.~~
- ~~The two separate HW systems for the 1951 Building and 1961 Addition serve Unit Ventilators in Classrooms and Convectors in Offices. All these rooms use Window AC units (R-22) for cooling, with no means of Outside Air ventilation.~~
- ~~1969 Addition: 2 Gas/DX (410A) Rooftop Units serve the Multipurpose Room. Custodian advises that when there is rain, water drains out the return air grille of one of these units into the Multipurpose Room. The Kitchen is served by an Electric/DX (R-22) Unit 10+ years old on a steel stand.~~
- ~~All of this HVAC equipment has reached the end of its useful life.~~
- ~~Overall site condition is below average, the edge of the site is shared with McKinley Middle School.~~
- ~~The adequacy of parking and bus loading conditions are below average.~~
- ~~Adequacy of on-site access roads are below average.~~

George C. Weimer is recommended for closure.

### Cost Estimates for Recommendations:

The cost for the improvements at George C. Weimer Elementary School is \$2,195,688.31. The detailed estimate contained on SBA Form 134 is attached.

## **George Washington High School**

### **Describe Existing Facility:**

George Washington High School is a one, two and three-story steel frame/wall bearing structure. The original building was constructed in 1963 with additions in 1968 and 2003 and contains 128,788 SF, the facility houses classrooms, health centers, computer labs, art studios, music spaces, media center, dining/commons, main gym, auxiliary gym, and small lecture theater.

The building is fully sprinkled and served by public water and sanitary system. The building is in average condition except lower level spaces are below average.

### **Describe Existing Facility Site:**

Approximate 27-acre site fronting on Tennis Club Road. The usable site area is approximately 10 acres. Roadways are not adequate and are not separated from pedestrian traffic. Bus loading is not adequate and is not separated from vehicle traffic. Site storm drainage is not adequate. On-site parking is not adequate. Separate parent pickup area is not provided. The site provides paved and grass playfields, includes football field with spectator seating, running track, field house, tennis courts, softball and baseball fields. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for George Washington High School:

- The facility has R22 DX Roof Tops and R22 Chillers.
- The entrance is secured but there is not a separate trap. The office is located upstairs and is not connected to the entrance.
- The facility roof leaks occasionally.
- The facility parking is not adequate.
- Site drainage at corner near baseball field is inadequate and the drain often backs up.
- The facility windows need to be replaced.
- The HVAC system is currently being updated as part of the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at George Washington High School is \$613,025.00. The detailed estimate contained on SBA Form 134 is attached.

## **Grandview Elementary School**

### **Describe Existing Facility:**

Grandview Elementary School is a two-story with masonry precast concrete floor and steel wall bearing facility constructed in 1969 with an addition in 2001. The building contains 25,925 SF, housing classrooms, a multipurpose room, food service facilities, and administrative/ pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The building is considered to be in average condition.

### **Describe Existing Facility Site:**

The school is located on a 7.04-acre site with approximately 3 usable acres on Woodward Drive in North Charleston area. Separate bus loading area provided and is separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports small paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Grandview Elementary School:

- The vestibule is secured, but there is not a separate trap. Office is located across the corridor and not connected to the vestibule.
- The toilet doors do not meet ADA clearances.
- Grandview Elementary School will receive HVAC improvements and a new roof funded through the 2019 excess levy.

Grandview is recommended for closure.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Grandview Elementary School is 338,237.25. The detailed estimate contained on SBA Form 134 is attached.

## **Hayes Middle School**

### **Describe Existing Facility:**

Hayes Middle School is a one-story masonry wall bearing and steel frame facility constructed in 1959 with an addition in 1992. The building contains 75,110 SF, housing classrooms, computer labs, art studio, music spaces, media center, resource spaces, physical education/gym, food service spaces with adjacent dining/commons, and administrative/pupil services suite. There are two portable buildings in use on the site.

The building is fully sprinkled and served by public water and sanitary systems. The building is considered to be in poor condition.

### **Describe Existing Facility Site:**

Approximate 17.22-acre site North of River Lake Estates across Coal River fronting on Strawberry Road. Roads are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Parking areas need resurfaced. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, tennis course, and softball fields. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

Hayes Middle School will be closed and a new St. Albans area (Hayes-McKinley) Middle School will be constructed. If the school is not closed, the following improvements are required for Hayes Middle School:

- Academic building 1: (Boiler and Pumps located in Building 2): Classrooms: HW Unit Ventilators and Window AC Units (R-22); 2 Indoor Air Handlers with HW Coils serve larger areas.
- Academic building 1: Offices have HW Convectors and Window AC Units. Heating system is 60 years old and has reached the end of useful life.
- Technical building 2: Predominantly Rooftop Units, either Gas/DX or Electric/DX. Vintages are mixed, roughly half are R-22 (10+ years old) and half are R-410A (less than 10 years old).
- Technical building 2: Additionally, there are several HW Unit Ventilators and Window AC Units. Note: The Boilers and Pumps are located in this building, though noted as not present to facilitate FCA program. Systems will reach the end of useful life by or before 2030.
- The adequacy of play courts are below average.
- Multiple free-standing buildings should be connected.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Hayes Middle School is \$4,491,560.16. The detailed estimate contained on SBA Form 134 is attached.

**Herbert Hoover High School**

Herbert Hoover High School was destroyed in the 2016 flood. A temporary facility is currently located adjacent to Elkview Middle School. The new school is currently under construction with funding provided by FEMA, Kanawha County Schools, and the State of West Virginia.



## **Holz Elementary School**

### **Describe Existing Facility:**

Holz Elementary School is a one-story masonry and steel wall bearing facility constructed in 1954 with additions in 1960 and 1991. The building contains 26,900 SF, housing classrooms, computer lab, art/music spaces, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There is one portable building in use on the site.

The building is not sprinkled and served by public water and sanitary systems. The original building is below average condition. The 1960 and 1991 additions are in average condition.

### **Describe Existing Facility Site:**

The school is located on a 6.83-acre site fronting on Hampton Road. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential. Large part of the site is hillside and has limited use for school purposes.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Holz Elementary School:

- The facility controls are limited to onboard packaged controls for window units.
- The facility cooling is provided by Window Type air conditioners. There is no Mechanical Ventilation.
- The facility has no roof access.
- The facility entrance is locked but it is not a secured entry. The office area is adjacent.
- The original building windows need to be replaced.
- The flooring has bubbled in the corridor in a few locations. Carpet in office needs to be replaced as it is a trip hazard.
- Storm water has entered the building around the walk-ins. Typically, ponding water is present around the kitchen area after rains.
- Adequacy of parking is below average as the parking lot is tight.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Holz Elementary School is \$943,352.25. The detailed estimate contained on SBA Form 134 is attached.

## **Horace Mann Middle School**

### **Describe Existing Facility:**

Horace Mann Middle School original building is a two-story masonry wall bearing and wood frame facility constructed in 1939 with additions in 1953 and 1961 are steel frame one story construction. The building contains 52,359 SF, housing classrooms, computer labs, art studio, music spaces, media center, resource spaces, physical education/gym, food service spaces with adjacent dining/commons, and administrative/pupil services suite. There are two portable buildings in use on the site.

### **Describe Existing Facility Site:**

Approximate 2.56-acre site on MacCorkle Avenue, S.E. between 43rd and 44th and Noyes Avenue in Kanawha City. Roads are adequate but crowded and are not separated from pedestrian traffic. Bus loading uses city streets and is not separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports very limited paved and grass playfields and 2 tennis courts. The neighborhood is residential and light commercial and subject to vehicle noise.

### **Recommendations for Future Use of Existing Facility:**

Horace Mann Middle School will be closed and a new Capital area (Horace Mann-WSMS) Middle School will be constructed. If the school is not closed, the following improvements are required for Horace Mann Middle School:

- Most parking is street parking, the overall adequacy of parking is below average.
- Overall technology infrastructure is below average, in reference to sufficient electrical capacity and power receptacle availability.
- There is no safe school entry at this location.
- There is no sprinkler system at this school.
- The facility has window AC units. There is no mechanical ventilation. The facility utilizes steam heating units, steam convectors, and unit heaters.
- There is no room for expansion.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Horace Mann Middle School is \$4,052,346.11. The detailed estimate contained on SBA Form 134 is attached.

## **John Adams Middle School**

### **Describe Existing Facility:**

John Adams Middle School is a one and two-story masonry wall bearing, and steel frame facility constructed in 1968 with a classroom addition that was added in 2014. However, there are still portable buildings in use on the site. The building contains 76,250 SF, housing classrooms, computer labs, art studio, music spaces, media center, small group instructional spaces, a large group instructional space, physical education/gym, food service spaces with adjacent dining/commons with stage, and administrative/pupil services suite.

### **Describe Existing Facility Site:**

Approximate 24-acre site accessed from Presidential Road. Roads are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is not adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields for football/soccer, softball and tennis courts. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for John Adams Middle School:

- The facility entrance is secured but there is not a separate trap. Office is located down the corridor and not connected or visible to the entrance.
- The storm inlets at bus loop clog periodically and result in the bus loop being under water. Once inlets are cleared the issue is resolved.
- The facility has no restrooms in portables.
- There are large sections of the roof that have ponding water.
- The facility windows need to be replaced.

### **Cost Estimates for Recommendations:**

The cost for the improvements at John Adams Middle School is \$615,228.50. The detailed estimate contained on SBA Form 134 is attached.

## **Kanawha City Elementary School**

### **Describe Existing Facility:**

Kanawha City Elementary School is a one story with masonry and steel wall bearing facility constructed in 1953 with an addition in 1971. The building contains 26,359 SF. housing classrooms, computer lab, music, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There are 3 portable buildings in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The building is in below average condition.

### **Describe Existing Facility Site:**

The school is located on a 2.22-acre site between Staunton, Virginia, 35th and 36th Streets in Kanawha City. Bus loading uses city streets and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas and is fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Kanawha City Elementary School:

- The facility steam boilers have been removed. Gas fired RTU's have not been upsized to accommodate the total heating load for the spaces without the steam heating.
- R-22 DX cooling gas heating roof tops serving classrooms.
- Three portable buildings in use. In heavy rains, the sidewalks to portables are covered with storm water and become icy in the winter.
- The vestibule is secured but there is not a separate trap. Office is located across the corridor and not connected to the vestibule.
- The facility has a mixture of metal and wood exterior doors. Wood doors need to be replaced.
- The facility windows need to be replaced.
- Kanawha County Elementary School will receive HVAC improvements funded through the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Kanawha City Elementary School is \$1,821,204.05. The detailed estimate contained on SBA Form 134 is attached.

## **Kenna Elementary School**

### **Describe Existing Facility:**

Kenna Elementary School is a one-story with lower level masonry and steel wall bearing facility constructed in 1966. The building contains 17,600 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There are 3 portable buildings in use on the site.

The building is not sprinkled and served by public water and sanitary systems. The original building is in average condition.

### **Describe Existing Facility Site:**

The school is located on an 8.03-acre site fronting on Eureka Road leading to US 119, Corridor G. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential. The school is developed on a plateau cut from a hilly site with limited space for expansion

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Kenna Elementary School:

- The facility has one R-22 DX split cooling /Heat pump unit serving the classroom. This system reported to not cool adequately.
- The facility controls are limited to one temperature zone for the entire school.
- The facility windows need to be replaced.
- The facility entrance is locked but it is not a secured entry. Office is not adjacent or visible from entrance.
- The adequacy of parking is below average as the parking lot is too small.
- Overall bus loading condition is below average as the buses go through the parking lot.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Kenna Elementary School is \$1,515,697.25. The detailed estimate contained on SBA Form 134 is attached.

## **Lakewood Elementary School**

### **Describe Existing Facility:**

Lakewood Elementary School is a one-story with masonry and steel wall bearing facility constructed in 1961 with an addition in 1961. The building contains 25,188 SF, housing classrooms, computer lab, art/music center, instructional materials center, a multipurpose room, food service facilities, and administrative/ pupil services space. There are no portable buildings in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The building is considered to be in average condition. The classroom wing to left of main entrance foundation may have settlement and should be analyzed by structural engineers.

### **Describe Existing Facility Site:**

The school is located on a 6.4-acre site fronting on Lakewood Road accessed from Pennsylvania Avenue. Separate bus loading is provided and is separated from vehicle traffic. Adequate paved school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential. Adequate site area exists for building additions.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Lakewood Elementary School:

- There is no sprinkler system installed at this school.
- There is no safe school entrance at this school.
- 1961 Building: The HW system, Boiler, Unit Ventilators, and Unit Heaters appear to be original equipment and have reached the end of useful life. Additionally, DX/Electric (R410A) Rooftop Units (2012) serve each Classroom--these units will reach the end of useful life by 2030.
- 1961 Building: Also, a Gas/DX (R410A) Rooftop Unit (2015) serves the Multipurpose room. Finally, two small Electric/DX (R-22) serves the Offices and Kitchen, both over 10 years old.
- 1968 addition: One large Gas/DX (R-22) Rooftop Unit (1996) serves 5 Classrooms and the IMC. This unit has exceeded its useful life.
- Electrical: the 1200 A MDP has exposed busses behind the cabinet doors, which do not close properly. This is an extreme hazard and should be corrected.
- The building has an array of 24 PV solar panels.
- Overall bus loading conditions are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Lakewood Elementary School is \$2,137,511.39. The detailed estimate contained on SBA Form 134 is attached.

## **Malden Elementary School**

### **Describe Existing Facility:**

Malden Elementary School is a one-story masonry and steel wall bearing facility constructed in 1953 with additions in 1961 and 1969. The building contains 21,932 SF, housing classrooms, instructional materials center, a multipurpose room, food service facilities, and undersized administrative/pupil services space. There is one portable building in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The building is considered to be in below average condition.

### **Describe Existing Facility Site:**

The school is located on a 1.38-acre site fronting on Salinas Drive. Bus loading uses city streets is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas across Salinas Drive and is fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

Malden Elementary School will be closed, and a new Belle-Malden Elementary School will be constructed. If the school is not closed, the following improvements are required for Malden Elementary School:

- The facility has no safe school entrance.
- The portable PK Classroom has major sewer issues, the floor is cut up, and they have been remediating black mold.
- The facility needs canopies overtop of exterior entrances and ramps.
- Some HVAC branch circuits operate hot and trip often.
- Overall sewage system condition is below average.
- Decking varies from wood to tectum. Roof has numerous leaks.
- Malden Elementary School will receive a new roof funded by the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Malden Elementary School is \$1,800,005.25. The detailed estimate contained on SBA Form 134 is attached.

## **Marmet Elementary School**

### **Describe Existing Facility:**

The original Marmet Elementary School is a two-story masonry and wood wall bearing facility constructed in 1937 the additions in 1951 and 1966. The building contains 26,100 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The original building is in poor condition. Additions are average condition.

### **Describe Existing Facility Site:**

The school is located on a 2.45-acre site fronting on MacCorkle A venue. Separate bus loading provided and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential/ light business.

### **Recommendations for Future Use of Existing Facility:**

Marmet Elementary School will be closed, and ~~a new Chesapeake Marmet Elementary School will be constructed~~ moved into the existing Chesapeake Elementary Facility. If the school is not closed, the following improvements are required for Marmet Elementary School:

- The facility has no safe school entrance.
- Water issues from the roof has damaged walls in the facility.
- Humidity issues require dehumidifiers in multiple classrooms; the facility has had mold issues as a result.
- The outside doors were replaced, but the frames were not - several are rusted away.
- The facility has no elevator and no ramps to upper levels, must go outside to get to other portions of school if in a wheelchair and there are no canopies.
- The facility basement is boiler room only.
- Overall electrical service conditions are below average as a new service was installed in the past and the existing service was fed from the new. The original equipment is antiquated.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Marmet Elementary School is \$2,097,873.25. The detailed estimate contained on SBA Form 134 is attached.



## **Mary C. Snow West Side Elementary School**

### **Describe Existing Facility:**

Mary C. Snow West Side Elementary School is located in the heart of the west side of Charleston and serves 380 students from Pre-Kindergarten through 5th grade. The facility contains 66,400 SF and was built in 2014. The U-shaped floor plan creates a private play area for students to shield them from day to day activities of a busy urban area. Each classroom has large windows for natural light, which studies have shown to increase student achievement and teacher morale and reduce absenteeism in both staff and students. All classrooms have their own restrooms and sink facilities, allowing teachers to have close supervision of the students, and allowing students to spend more time in the classroom.

The new school includes a Dining space with a stage area for student performances, a Multipurpose Room that opens into the Dining Room to create a large public space for Public Meetings, Performances, and large fundraising dinners. The new facility also has an Art Room and a Music Room which is second to none. The curved wall of glass allows students to experience an abundance of natural light while feeling secure in their new learning environment. The Media Center and Computer Labs along with a full-service Kitchen further enhance the already state of the art facility.

### **Describe Existing Facility Site:**

Mary C. Snow West Side Elementary School sits on a 3.89-acres site. This facility is also designed with “smart building technology”. The building has an intergraded building automated system and a building security system. Both systems are constantly monitoring temperatures, co2 levels, energy consumption, along with which doors are open and who is checking in the building.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Mary C. Snow West Side Elementary School:

- The school does not have a safe school entrance.
- Majority of parking is on a public street.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Mary C. Snow West Side Elementary School is \$338,237.25. The detailed estimate contained on SBA Form 134 is attached.

## **Mary Ingles Elementary School**

### **Describe Existing Facility:**

Mary Ingles Elementary School is a one-story masonry and steel wall bearing facility constructed in 1953 with additions in 1962 and 1968. The building contains 17,780 SF, housing classrooms, art space, instructional materials center, a multipurpose room, food service facilities, and undersized administrative/pupil services space. There are two portable buildings in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The building is in below average condition.

### **Describe Existing Facility Site:**

The school is located on a 2.05-acre site fronting on Campbell's Creek Road. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas across Salinas Drive and is fenced for safety. The neighborhood is rural residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Mary Ingles Elementary School:

- The facility has no safe school entrance.
- Overall sewage system conditions are below average.
- There are large dark areas in the parking lot that have presented security issues.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Mary Ingles Elementary School is \$338,237.25. The detailed estimate contained on SBA Form 134 is attached.

## **McKinley Middle School**

### **Describe Existing Facility:**

McKinley Middle School is a one and two-story masonry wall bearing, and steel frame facility constructed in 1932 with additions in 1938, 1961, and 1990. The building contains 68,000 SF, housing classrooms, computer labs, art studio, music space, media center, resource spaces, physical education/gym, food service spaces with adjacent dining/commons, and administrative/ pupil services suite. There is one double portable building in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The original building is considered to be in poor condition. Additions are considered average condition.

### **Describe Existing Facility Site:**

Approximate 22-acre site fronting on Kanawha Terrace. Roads are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, spectator seating, running track, tennis courts, softball and baseball fields. The neighborhood is residential and light commercial, rural.

### **Recommendations for Future Use of Existing Facility:**

McKinley Middle School will be closed and a new St. Albans area (Hayes-McKinley Middle School) will be constructed. If the school is not closed, the following improvements are required for McKinley Middle School:

- There is no safe school entrance at this location.
- The 2nd Floor roof has no access.
- There are columns near the locker rooms that need a structural engineer to assess.
- The portable modular building is unknown age, it was moved from another school in the early 2000s.
- All the HVAC equipment in this Building has reached the end of its useful life.
  - Original 1932 Building: Original 13-zone duct Columbus Heating and Ventilating is retrofitted with a HW coil--Fan Room and Ductwork remain. This system is served by 2 Boilers and 1 pump. Cooling in this area is with Window AC Units (R-22), which have no means of Outside Air ventilation.
  - 1959 Addition: HW Unit Ventilators in Classrooms, HW Convectors in Offices, served by 3 Boilers and 2 pumps. The Gym/Stage is served by 2 DX (410A) Cooling only Rooftop Units with 4 duct mounted HW Coils. The Locker rooms have exposed HW fin tube with expanded metal enclosures, with no means of Outside Air ventilation.
  - 1959 Addition: The Kitchen is served by a split system with the indoor unit mounted on top of the Walk-In Cooler. The Unit drain pan overflows regularly, which is a health issue in the Kitchen. Classroom and Office cooling in this area is via Window AC Units (R-22), with no means of Outside Air ventilation.
  - 1990 Addition; 3 Classrooms are served by Horizontal Unit ventilators with HW coils connected to the 1932 Building Boiler system. Cooling is via Condensing Units on the roof.
- Overall adequacy of parking and bus loading conditions are below average, as well as the play courts.
- McKinley will receive a new roof funded by the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at McKinley Middle School is \$5,707,008.50. The detailed estimate contained on SBA Form 134 is attached.

## **Midland Trail Elementary School**

### **Describe Existing Facility:**

Midland Trail Elementary School is a one-story masonry and steel wall bearing facility constructed in 1967 no additions have been added. The building contains 27,450 SF, housing classrooms, art space, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The building is in poor condition.

### **Describe Existing Facility Site:**

The school is located on an 8.2-acre site fronting on Ferry Street. Part of site is shared with Riverside High School. Separate bus loading area is provided but is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

Midland Trail Elementary School will be closed, and the students will attend a new Chesapeake-Marmet Elementary School or a New Belle-Malden Elementary School. If the school is not closed, the following improvements are required for Midland Trail Elementary School:

- The facility has no safe school entrance.
- The facility has had mold issues in radiator drain pans.
- Water lays underneath portable and heaves up floors- smells bad after rain. The facility has had to replace floor in portable bathroom due to mold.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Midland Trail Elementary School is \$790,180.75. The detailed estimate contained on SBA Form 134 is attached.

## **Montrose Elementary School**

### **Describe Existing Facility:**

Montrose Elementary School is a one-story masonry and steel wall bearing facility with lower level constructed in 1949 with an addition in 1966. The building contains 20,480 SF, housing classrooms, instructional materials center, an undersized multipurpose room, food service facilities, and administrative/pupil services space. There is one portable building in use on the site.

The building is not sprinkled and served by public water and sanitary systems. The original building is in below average condition. The 1966 addition is average condition.

### **Describe Existing Facility Site:**

The school is located on a 1.2-acre site fronting on Montrose Drive. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Montrose Elementary School:

- There is no safe school entrance at this school.
- There is no sprinkler system at this school.
- Several glue on ceiling tiles are missing in the main corridor and paint is peeling from an exterior wall due to multiple roof leaks.
- The facility uses R22 DX cooled gas heating RTU's.
- Overall site, parking, and playfield/play court conditions are below average.
- The back of the building between the portables and the school has had several inches of standing water occur during heavy rains within the last year. This has caused water to run into the crawl space under part of the school.
- Montrose Elementary School will receive a new roof funded by the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Montrose Elementary School is \$1,579,756.95. The detailed estimate contained on SBA Form 134 is attached.

## **Nitro Elementary School**

### **Describe Existing Facility:**

Nitro Elementary School is a one-story masonry and steel wall bearing facility constructed in 1953 with additions in 1960, and 1992. The building contains 33,115 SF, housing classrooms, computer lab, instructional materials center, multipurpose room, food service facilities, and administrative/pupil services space. There are two portable buildings in use on the site.

The building is fully sprinkled and served by public water and sanitary systems. The original building is in fair condition. The additions are in average condition.

### **Describe Existing Facility Site:**

The school is located on a 5.6-acre site fronting on 19th Street. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas and is not fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Nitro Elementary School:

- The facility has no safe school entry.
- Three rooms have carpet containing asbestos that needs to be removed.
- Multiple asbestos abatements occurred during the summer of 2019.
- There is no sprinkler system in the building.
- All the Gas/DX rooftop units are 10+ years old and utilize R-22. They will meet the end of useful life before 2030.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Nitro Elementary School is \$2,828,036.31. The detailed estimate contained on SBA Form 134 is attached.

## **Nitro High School**

### **Describe Existing Facility:**

Nitro High School is a one and two-story wall bearing structure. The original building was constructed in 1959. Additions were added in 1968, 1991, and 2003. The building contains 122,700 SF, it houses classrooms, art studio, music spaces, media center, dining/commons, main gym, auxiliary gym, small auditorium, and dance learning space.

The building is fully sprinkled and served by public water and sanitary system. The building is considered to be in average condition.

### **Describe Existing Facility Site:**

Approximate 29-acre site fronting Park Avenue. Use for school access. Bus loading is not adequate and is not separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site provides paved and grass playfields, and baseball field, football field with spectator seating, running track, field house, and tennis courts, is located off site. The neighborhood is residential. Railroad tracks separate site from WV Rt. 25.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Nitro High School:

- Main Building: Fire protection service riser is 4". Private Fire Main pipe size is addressed in NFPA 24-2013, paragraph 5.2.
- Main Building: To paraphrase, a pipe size less than 6" is permitted, provided that it does not supply a fire hydrant; supplies only an automatic sprinkler system; and hydraulic calculations show that the main is able to supply total demand at the appropriate pressure. Otherwise, the main pipe must be the same size as the service entry riser (4"). Since the system was designed prior to 2013, the "grandfather" clause may be in effect. Additional investigation is required.
- Main Building: All of the Gas/DX Rooftop Units will meet or exceed useful life by 2030.
- Baker Annex Building: The Unit Ventilator system has most likely exceeded its useful life, though it still is performing. There are DX cooling only RTUs for each Classroom, per the Custodian. We could not determine the age of the RTUs since roof access was not available.
- The facility has no Safe School entry.
- Nitro High School will receive a new roof funded through the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Nitro High School is \$8,830,927.40. The detailed estimate contained on SBA Form 134 is attached.

## **Overbrook Elementary School**

### **Describe Existing Facility:**

Oakwood Elementary School is a one-story masonry and steel wall bearing facility constructed in 1961 with additions in 1967, 1991, 1993 and 2007. The building contains 34,010 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/ pupil services space.

The building is not sprinkled and served by public water and sanitary systems. The original building is in above average condition.

### **Describe Existing Facility Site:**

The school is located on a 2.31-acre site accessed fronting on Oakwood Road. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas and is not fenced for safety. The neighborhood is residential. The rear of the site slopes steeply to a ravine.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Overbrook Elementary School:

- The facility has a locked entrance but not secured school entry. The facility office is adjacent but not connected.
- The facility windows need to be replaced.
- The facility has no roof access.
- The adequacy of parking is below average, it is adjacent to the road and not big enough.
- Overall bus loading condition is below average as there is limited bus stacking space and bus loading is adjacent to the parking and road.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Overbrook Elementary School is \$486,182.50. The detailed estimate contained on SBA Form 134 is attached.



## **Piedmont Elementary School**

### **Describe Existing Facility:**

Piedmont Elementary School is a two-story masonry and steel wall bearing facility constructed in 1970 with an addition in 1999. The building contains 42,566 SF, open plan facility housing classrooms, computer lab, music, instructional materials center, a multipurpose room, food service facilities with separate dining, and administrative/pupil services space.

The building is fully sprinkled and is served by public water and sanitary systems. The building is in average condition.

### **Describe Existing Facility Site:**

The school is located on a 3 .13-acre site at Quarrier and Bradford Streets in East End of Charleston. Bus loading area is off Bradford Street and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports limited paved, grass play areas and large play equipment area and is fenced for safety. The neighborhood is residential/business office.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Piedmont Elementary School:

- The facility has no Roof Access
- Piedmont will receive HVAC improvements funded by the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Piedmont Elementary School is \$2,645,476.90. The detailed estimate contained on SBA Form 134 is attached.

## **Pinch Elementary School**

### **Describe Existing Facility:**

Pinch Elementary School is a one-story masonry and steel wall bearing facility constructed in 1959 with addition(s) in 1966 and 1980. The building contains 35,773 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is served by public water and sanitary systems. The building is considered to be in average condition.

### **Describe Existing Facility Site:**

The school is located on a 5-acre site accessed fronting on Pinch Road. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Pinch Elementary School:

- There is no sprinkler system in this building.
- The 4-Pipe HW/CHW system for the original 1959 Building and 1966 Addition (Classrooms with Unit Ventilators, Multipurpose Room, miscellaneous heating units) and any outlying rooms have reached the end of useful life.
- The rooftop Gas/DX (R-22) Units (1980 Addition) have reached or will reach the end of useful life by 2030.
- The rooftop Gas/DX (410A) Units that replaced HW/CHW Unit Ventilators in 1959 Classrooms will reach the end of useful life by or before 2030.
- The facility has no safe school entrance.
- The overall bus loading conditions are below average.
- Pinch will receive a new roof funded by the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Pinch Elementary School is \$3,002,800.98. The detailed estimate contained on SBA Form 134 is attached.

## **Point Harmony Elementary School**

### **Describe Existing Facility:**

Pt. Harmony Elementary School is a one-story with lower level masonry wall bearing facility constructed in 1960 with additions in 1979, 1986, 1992, 2003, and 2008. The building contains 42,888 SF, housing classrooms, computer labs, intervention rooms, instructional materials center, a multipurpose room, separate physical education space, food service facilities, and administrative/pupil services space. There is one portable building in use on the site.

The building is fully sprinkled and served by public water and sanitary systems. The buildings are in poor condition.

### **Describe Existing Facility Site:**

The school is located on a 10-acre site accessed fronting on Big Tyler Road. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

Point Harmony Elementary School will be closed, and a new Cross Lanes Elementary Center will be constructed to combine Cross Lanes Elementary School and Point Harmony Elementary School. If the school is not closed, the following improvements are required for Point Harmony Elementary School:

- HVAC Main Building: There is some overlap of systems in this building. The building wide Boiler/HW system serves Unit Ventilators in each Classroom, but First Floor Classrooms also have Rooftop DX Units with heat.
- HVAC Main Building: We were not able to verify the RTUs/heat because there was no roof access available. Ground Floor Classrooms have Window AC units. Large areas, such as the Multipurpose Room have Rooftop Heating/Cooling Units. Assuming that the HW distribution system was added on to with each Classroom Addition, the heating capacity (2 Boilers at 1400 mbh output each) may be close to capacity. Given the patchwork nature of the systems, a new, central system is recommended by or before 2030.
- HVAC Gymnasium Building: Rooftop Units have reached the end of useful life (15 years).
- The facility has no safe school entry.
- Overall bus loading conditions are below average as the number of parents picking up kids after school blocks the main road and buses are in this pickup area.
- For fuel and water sources, the original pipes are 60 years old.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Point Harmony Elementary School is \$733,737.25. The detailed estimate contained on SBA Form 134 is attached.

## **Pratt Elementary School**

### **Describe Existing Facility:**

Pratt Elementary School buildings are one story masonry and steel wall bearing facility constructed in 1953 with the main building constructed in 1960 and 1969. The buildings contains 31,647 SF, housing classrooms, computer lab, art, music, instructional materials center, gym, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The original building is in fair condition. The 1960 and 1968 buildings are average condition.

### **Describe Existing Facility Site:**

The school is located on a 7.66-acre site in the community of Pratt. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential. The gym and original annex building is across Pratt Avenue.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Pratt Elementary School:

- The facility has no safe school entrance.
- The annex building is currently abandoned and only used for storage.
- Overall electrical service conditions are below average.
- Pratt Elementary School will receive a new roof funded by the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Pratt Elementary School is \$1,559,767.25. The detailed estimate contained on SBA Form 134 is attached.

## **Richmond Elementary School**

### **Describe Existing Facility:**

Richmond Elementary School is a one-story masonry and steel wall bearing facility constructed in 1959 with an addition in 1968. The building contains 19,640 SF, housing classrooms, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space. There are portable buildings in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The original building is in average condition.

### **Describe Existing Facility Site:**

The school is located on a 1.96-acre site fronting on Spring Hill A venue. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site has limited paved and grass play areas and is not fenced for safety. The neighborhood is residential with City of South Charleston recreational areas nearby. The site cannot support building additions.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Richmond Elementary School:

- There is no safe school entrance at this facility.
- There are no sprinklers at this school.
- The dates for the portables are approximate ages for when they arrived at this school. Portable 3 does not have a ramp to enter the building.
- There is no roof access.
- The facility has R22 Gas fired heating DX RTU's.
- Overall site, parking, and bus loading conditions are below average.
- Adequacy of on-site access roads are below average
- Adequacy of playfields are inadequate, and adequacy of play courts are below average
  - Part of the playground has standing water after a rainstorm.
- Overall technology infrastructure conditions are below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Richmond Elementary School is \$2,085,488.45. The detailed estimate contained on SBA Form 134 is attached.

## **Riverside High School**

### **Describe Existing Facility:**

Riverside High School is a one and two-story steel frame/wall bearing structure. The original building was constructed in 1999 no addition has been constructed. The building contains 187,654 SF, houses classrooms, computer labs, art studios, music spaces, media center, dining/commons, main gym, auxiliary gym, health education classrooms, and small auditorium.

The building is fully sprinkled and served by public water and sanitary system. The building is in above average condition. The building media center serves as the community library and provides space for the area health clinic.

### **Describe Existing Facility Site:**

Approximate 42-acre site accessed from Rt. 60 and along Kanawha River. Roadways are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site is well organized and provides paved and grass playfields, includes football field with spectator seating, running track, field house, tennis courts, softball and baseball fields. The neighborhood is high commercial/retail.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Riverside High School:

- The facility has no safe school entrance.
- Minor standing water issue in bus loop noted by owner.
- No known roof structural issues, however, roof membrane is failing.
- Riverside High School will receive HVAC and roofing improvements as part of the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Riverside High School is \$13,053,466.20. The detailed estimate contained on SBA Form 134 is attached.

## **Ruffner Elementary School**

### **Describe Existing Facility:**

Ruffner Elementary School is a one-story masonry and steel wall bearing facility constructed in 1962 with additions in 1971, 2003 and 2005. The building contains 28,844 SF, housing classrooms, computer lab, instructional materials center, small activities space, a multipurpose room, food service facilities, and administrative/ pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The original building is considered to be in average condition, additions are in above average condition.

### **Describe Existing Facility Site:**

The school is located on a 9.96-acre site with approximately 4.5 acres accessed from Oakwood Road. Separate bus loading area is provided but is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Ruffner Elementary School:

- The facility has no secure entry room after AIPhone.
- The public sewage system condition is below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Ruffner Elementary School is \$1,641,986.05. The detailed estimate contained on SBA Form 134 is attached.

## **Ruthlawn Elementary School**

### **Describe Existing Facility:**

Ruthlawn Elementary School is a one-story masonry and steel wall bearing facility constructed in 1968. The building contains 21,664 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and administrative/ pupil services space. There is one portable building in use on the site.

The building is not sprinkled and served by public water and sanitary systems. The original building is in average condition. Ground terrain required the building to be stepped down to meet grades and crated accessibility access to the lowest level classroom.

### **Describe Existing Facility Site:**

The school is located on a 9.6-acre site on Green Road. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas and is not fenced for safety. The neighborhood is residential. A large part of the site lies well below the school and is used for community activity. The site has limited area for additions.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Ruthlawn Elementary School:

- There are R-22 DX Gas fired RTUs's serving the facility.
- The facility controls have exceeded their life expectancy.
- The facility has no secure school entrance. The doors are locked but there is no secured trap.
- The window framing and metal panels are rusted and leaking.
- Water is ponding on the roof in several locations and wall flashings have deteriorated.
- The parking is inadequate and there is limited visitor parking.
- Bus Loading is a challenge as there is not adequate stack space for buses.
- Exterior steel stairs between building areas have deteriorated and need to be replaced.
- Portable building often has standing water around it.
- Ruthlawn will receive a new roof as part of the 2019 excess levy.
- Ruthlawn was funded for a \$1,337,771 addition/renovation that is funded with a \$1,000,000 SDA MIP Grant.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Ruthlawn Elementary School is \$2,260,918.69. The detailed estimate contained on SBA Form 134 is attached.



## **Saint Albans High School**

### **Describe Existing Facility:**

St. Albans High School is a one and two-story steel frame/wall bearing structure. The original building was constructed in 1953 with additions in 1961 and 1969. In 2003 with local bond and SBA funds the existing buildings were reorganized with major additions and renovations. The total building is now 179,618 SF, housing classrooms, computer labs, art studios, music spaces, media center, dining/commons with adjacent food service areas, main gym, auxiliary gym, health classroom. The building has SGI and LGI spaces and auditorium. Administration, pupil services, and faculty planning suites are well organized. The building is fully sprinkled and served by public water and sanitary system. The building is in good condition.

### **Describe Existing Facility Site:**

Approximate 11.5-acre site between Kanawha Terrace and Washington Avenue on site roadways are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate, but not controlled access. Separate parent pickup area is not provided. The site provides paved and grass playfields, football field with spectator seating, field house is located approximately 4 miles off site, tennis courts, softball and baseball fields are on site. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Saint Albans High School:

- There is a secure entrance, but no safe school entrance at this facility.
- There are multiple recurring roof leaks in the corridors.
- Gang bathrooms have multiple drainage issues that need to be corrected.
- Emergency buttons and classroom phones do not work in over 50% of school.
- Rooftop Air Handling Units (McQuay): Access door knife blade latches are bent, stuck, very difficult to operate, and do not appear to be weather-tight. There is no partition between the piping vestibule and coil/airstream. Return bends and coil frames are rusting. Drain pans are rusting. The units are close to the end of their useful life.
- Boilers and Hot Water Pumps: Boilers appear to be adequate; Pumps will reach the end of useful life by 2030.
- Chillers and Pumps: Pumps will reach the end of useful life before 2030. Chillers (2-McQuay ALS-270 (R-22) 250 ton Air-Cooled) have not performed adequately since they were installed. There have been multiple compressor failures over the years. Each Chiller has 2 rotary screw compressors and all 4 are labeled "re-manufactured". Chillers have reached the end of their useful life.
- DDC Controls: Based on information from Occupants, the controls for this building need at the very least to be re-commissioned or possibly replaced. Complaints ran full spectrum for discomfort, operational reliability, mold bloom when systems were shut down in summer, etc.
- All HVAC was equipment installed 2003.
- Parking lot lighting at band room has not worked for some time.
- A/C unit not working in main server room.
- Second floor has several cracks.
- Saint Albans High School will receive HVAC improvements funded through the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Saint Albans High School is \$14,837,545.23. The detailed estimate contained on SBA Form 134 is attached.

## **Sharon Dawes Elementary School**

### **Describe Existing Facility:**

Sharon Dawes Elementary School is a one-story masonry and steel wall bearing facility constructed in 1951 with additions in 1961, 1968 and 1990. The building contains 27,827 SF, housing classrooms, computer lab, art/music, instructional materials center, a multipurpose room, food service facilities, and administrative/ pupil services space.

The building is not sprinkled and is served by public water and sanitary systems. The building is in below average to average condition.

### **Describe Existing Facility Site:**

The school is located on a 3.89-acre site fronting on Cabin Creek Road. Separate bus loading area is provided and is separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is rural residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Sharon Dawes Elementary School:

- The facility has no safe school entrance.
- Overall site conditions are below average.
- Overall electrical services conditions are below average.
- Overall water sources conditions are below average; the facility does not have a backflow preventer.
- Overall sewage system conditions are below average.
- Sharon Dawes Elementary School will receive a new roof funded by the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Sharon Dawes Elementary School is \$1,586,434.12. The detailed estimate contained on SBA Form 134 is attached.

## **Shoals Elementary School**

### **Describe Existing Facility:**

Shoals Elementary School is a one-story masonry and steel wall bearing facility constructed in 1962 with an addition in 1967. The building contains 21,355 SF, housing classrooms, instructional materials center with computer area, a multipurpose room, food service facilities with separate dining, and administrative/pupil services space. There is one portable building in use on the site.

The building is not sprinkled and is served by public water and sanitary systems. The building is in average condition.

### **Describe Existing Facility Site:**

The school is located on a 3.32-acre site at intersection of Dutch Road and WV Rt. 119. Bus loading area is mixed with parking and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports paved and grass play areas and is fenced for safety. The neighborhood is residential/high business office.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Shoals Elementary School:

- There is no sprinkler system in this building.
- Window Air Conditioners are installed in all Classrooms. In the 1962 Building, HW fin tube is used for heating, so there is no outside air ventilation available. In the 1967 Addition, Unit Ventilators (50+ years old) are available for cooling, through the rooftop Chiller. However, if cooling (or control) is not satisfactory, then Window Units are used.
- The Multipurpose Room is served by a Rooftop DX/electric heat unit (R-22) 10+ years old and also by 4- horizontal HW Unit Heaters. The Conference Room is served by a Gas/DX (410A) Rooftop Unit. The Kitchen is served by a Gas/DX Rooftop unit with exposed duct, badly deteriorated insulation, and its exposed flexible metallic electrical branch circuit that has started to come apart. Even though the Boiler and Chiller are not old, this is a patchwork HVAC system that has just about reached the end of its useful life.
- The facility has no Safe School entrance.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Shoals Elementary School is \$1,521,245.55. The detailed estimate contained on SBA Form 134 is attached.

## **Sissonville Elementary School**

### **Describe Existing Facility:**

Sissonville Elementary School is a one-story masonry wood and steel wall bearing facility constructed in 1953 with additions in 1960 and 1967. The building contains 22,828 SF, housing classrooms, computer lab, instructional materials center, a multipurpose room, food service facilities, and small administrative/pupil services space. There are 3 portable buildings in use on the site.

The building is served by public water and sanitary systems. The original building is in fair condition. The 1960 and 1967 addition are in average condition.

### **Describe Existing Facility Site:**

The school is located on a 9.853-acre site accessed fronting on old Rt. 21. The abandoned Sissonville Middle School is located adjacent to the elementary school. The site is subject to flooding. Separate bus loading area is not provided and is not separated from vehicle traffic. Adequate school parking is provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas and is not fenced for safety. The neighborhood is rural residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Sissonville Elementary School:

- The facility has no Safe School entry.
- The facility has no Sprinkler System.
- The piping under the building slab is original and has been replaced only in damaged sections when issues have occurred.
- Window AC Units in all Classrooms and Offices. In addition to Window AC Units, Unit Ventilators, and Fin tube, the Multipurpose Room has 2 suspended DX Fan coils with remote Condensing Units (R-22) and steam Unit Heaters. The Kitchen has 1 Elect/DX (R-22) Rooftop unit. Though the Window AC Units and Steam Convectors cool and heat the building, they do not provide outside air ventilation for students. An up-to-date system would benefit the school.
- Overall site and drainage conditions are below average. There is a recurring drainage issue at the bus loop.
- Overall parking conditions are below average, a large portion of the parking is gravel.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Sissonville Elementary School is \$699,376.21. The detailed estimate contained on SBA Form 134 is attached.

## **Sissonville High School**

### **Describe Existing Facility:**

Sissonville High School is a one and two-story steel frame/wall bearing structure. The original building was constructed in 1962 with additions in 1967 and 1992 and contains 98,411 SF, housing classrooms, computer labs, art studio, music space, media centers, dining/commons, gym, auxiliary gym, and small auditorium. There are two modular/portable buildings in use.

The building is fully sprinkled and served by public water and sanitary system. The building is considered to be in average condition.

### **Describe Existing Facility Site:**

Approximate 35-acre site accessed from US Rt. 21 and Rocky Fork Road roadways are adequate but are not separated from pedestrian traffic. Bus loading is adequate but is not separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site provides paved and grass playfields, includes football field with spectator seating, running track, field house, tennis courts, softball and baseball fields. The neighborhood is light commercial and rural residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Sissonville High School:

- The facility has a secure entry, but no Safe School entry.
- The roof ladder to access gymnasium roof is missing, the anchors are still on wall.
- The home education classroom and classroom beside it need HVAC addressed - see mechanical comments.
- Classrooms are served by Unit Ventilators (original to building or year of addition). Multiple HW and CHW pumps are utilized in the building. 6 Boilers are staged for heating and cooling is via the Air-Cooled Chiller. Additionally, 2 Indoor Air Handlers on HW and CHW serve large areas of the original 1962 building. The Boiler and Chiller are fairly new, but the UVs, Air Handlers, piping, and pumps have met or exceeded their useful lives.
- When the new Commons area was added to the front of the building, several Classrooms on the First Floor had Unit Ventilators outside air louvers blocked off and became interior spaces, i.e. year-round cooling. However, year-round cooling is not provided, and Classrooms overheat. Door numbers to Classrooms interviewed during the assessment are 110 and 112. Other interior First Floor Classrooms may have similar issues.
- The Gym, Auxiliary Gym, and the Auditorium/Stage are served by Gas/DX (R-22) Rooftop Units, all at least 10 years old, with the Auditorium unit tagged for 1996. These units have met or will meet the end of their useful life before 2030. The exception is the Gas/DX (410A) unit serving the new Commons area (2015).
- Sissonville High School will receive a new roof as part of the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Sissonville High School is \$8,152,882.20. The detailed estimate contained on SBA Form 134 is attached.

## **Sissonville Middle School**

### **Describe Existing Facility:**

Sissonville Middle School is a one-story masonry wall bearing and steel frame facility constructed in 2006 with an addition(s) in 2010. The building contains 79,129 SF, housing classrooms, computer lab, art studio(s), music spaces, media center, resource space, physical education/ gym, food service spaces with adjacent dining/commons, faculty planning areas, administrative/ pupil services suite.

The building is fully sprinkled and served by public water and sanitary systems. The building is considered to be in good condition.

### **Describe Existing Facility Site:**

Approximate 48-acre site accessed from U.S. Rt. 21 roadway. Roads are adequate and are separated from pedestrian traffic. Bus loading is adequate and is separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, spectator seating, and softball fields. The neighborhood is rural residential and light commercial.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Sissonville Middle School:

- The facility has no Safe School entry.
- The facility has all original 2007 Gas/DX rooftop units, and 2010 units on the addition will reach the end of useful life before 2030.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Sissonville Middle School is \$4,010,019.70. The detailed estimate contained on SBA Form 134 is attached.

## **South Charleston High School**

### **Describe Existing Facility:**

South Charleston High School is a one and two-story steel frame/wall bearing structure. The original building was constructed in 1969 with additions in 1990, 1994, 2001, 2002 and 2004 and contains 140,923 SF, housing classrooms, art studio, tech ed spaces, music spaces, media center, dining/commons, main gym, auxiliary gym, small lecture theater, and administrative/pupil services space.

The building is fully sprinkled and served by public water and sanitary system. The building is in average condition.

### **Describe Existing Facility Site:**

Approximate 32-acre site accessed from Kanawha Turnpike. Roadways are adequate and are separated from pedestrian traffic. Bus loading is not adequate and is not separated from vehicle traffic. Site storm drainage is not adequate. On-site parking is adequate however needs resurfaced. Separate parent pickup area is not provided. The site provides paved and grass playfields, includes football field with spectator seating, running track, field house, tennis courts, softball and baseball fields. The neighborhood is residential. Adequate site area is available for expansion.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for South Charleston High School:

- The building does not have a safe school entrance. The office is not located at entrance doors.
- The insulation on the outdoor return air duct serving the large AHU is damaged and missing.
- South Charleston High School will receive HVAC improvements as part of the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at South Charleston High School is \$5,606,057.69. The detailed estimate contained on SBA Form 134 is attached.

## **South Charleston Middle School**

### **Describe Existing Facility:**

South Charleston Middle School is a one and three-story masonry wall bearing, and wood and steel facility constructed in 1931 with additions in 1937, 1951, and 1960. The building contains 196,145 SF, housing classrooms, computer labs, art studio, music spaces, media center, resource spaces, small historical auditorium, small physical education spaces, food service spaces with adjacent dining/commons, and administrative/pupil services suite.

The building is fully sprinkled and served by public water and sanitary systems. The building is below average to poor condition.

### **Describe Existing Facility Site:**

Approximate 2.81-acre site located at intersection of 3rd Avenue and "C" Street. City streets are used for site access and bus loading separated from pedestrian traffic. Bus loading is not adequate. Site storm drainage is adequate. On-site parking is not adequate. Separate parent pickup area is not provided. There are two paved tennis courts and one basketball court. The school uses Oaks Field facilities for other varsity programs. The neighborhood is residential.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for South Charleston Middle School:

- The building does not have a safe school entrance.
- The building does not have a sprinkler system.
- The roof access hatch needs better safety accessibility.
- The facility uses window type AC units. The facility has no mechanical ventilation.
- The controls are limited to onboard with window type AC units.
- Overall parking conditions are below average, not enough spaces and inadequately lit.
- Bus loading conditions are below average, uses city street.
- Adequacy of playfields are inadequate, and adequacy of play courts are below average.
- Overall floor structure conditions are below average.
- Overall roof conditions are below average.
- Power receptacles availability are inadequate making the overall technology infrastructure below average.

### **Cost Estimates for Recommendations:**

The cost for the improvements at South Charleston Middle School is \$3,952,588.58. The detailed estimate contained on SBA Form 134 is attached.



## **West Side Middle School**

### **Describe Existing Facility:**

West Side Middle School is a two and three-story masonry wall bearing, and steel frame facility constructed in 1942 with an addition in 1967. The building contains 149,486 SF, housing classrooms, computer labs, art studio, music spaces, auditorium, media center, resource spaces, physical education/gym, auxiliary gym, food service spaces with adjacent dining/commons, and administrative/pupil services suite. There are two portable buildings in use on the site.

### **Describe Existing Facility Site:**

Approximate 6.4-acre site on West Washington Street at Park Avenue. The site is surrounded by adequate city streets, but not separated from pedestrian traffic. Bus loading is adequate but is not separated from vehicle traffic. Site storm drainage is adequate. On-site parking is adequate. Separate parent pickup area is not provided. The site further supports paved and grass playfields including football field, spectator seating, running track, tennis court, and softball fields. The neighborhood is residential and light commercial.

### **Recommendations for Future Use of Existing Facility:**

West Side Middle School will be closed and a new Capital area (Horace Mann-West Side) Middle School will be constructed. If the school is not closed, the following improvements are required for West Side Middle School:

- This school does not have a safe school entrance.
- This school does not have a sprinkler system.
- The adequacy of parking is below average.
- The bus loading uses city streets making the overall bus loading conditions below average.
- The sufficient electrical capacity is below average, and the power receptacle availability is inadequate. Making the overall technology infrastructure conditions below average.
- The facility is poorly utilized.
- West Side Middle School will receive HVAC improvements funded through the 2019 excess levy.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Stonewall Jackson Elementary School is \$6,094,831.28. The detailed estimate contained on SBA Form 134 is attached.

## **Weberwood Elementary School**

### **Describe Existing Facility:**

Weberwood Elementary School is a one story with lower level masonry and steel wall bearing facility constructed in 1962 with additions in 1967 and 1991. The building contains 24,495 SF, housing classrooms, instructional materials center, a multipurpose room, food service facilities, and administrative/pupil services space.

The building is not sprinkled and served by public water and sanitary systems. The original building is in average condition.

### **Describe Existing Facility Site:**

The school is located on a 6.32-acre site fronting on Gordon Drive. Separate bus loading area is provided and is not separated from vehicle traffic. Adequate school parking is not provided. Separate parent pick-up area is not provided. The site supports limited paved and grass play areas and is not fenced for safety. The neighborhood is residential. Expansion is limited by terrain. Site should be expanded to accommodate additions.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for Weberwood Elementary School:

- Controls are limited to onboard with window type AC unit.
- No secured entry. Office is adjacent to the entry.
- Toilet doors and clearances are not ADA complaint.
- Windows and metal panels need to be replaced.
- Adequacy of playfields are below average, not much playfield area.
- Parking lot is small, bus loading is located in the parking lot.
- Storm drainage is an issue at the main entrance where runoff from the parking and road runs down the sidewalk towards the building.

### **Cost Estimates for Recommendations:**

The cost for the improvements at Weberwood Elementary School is \$999,373.13. The detailed estimate contained on SBA Form 134 is attached.

## **WJ Raglin Center**

### **Describe Existing Facility:**

The WJ Raglin Center is formally known as the Shawnee Community Center located on 142 Marshall Avenue in Dunbar. The Center contains 13,100 SF. Kanawha County Schools Community Education Program exists to provide a safe, nurturing, and developmentally appropriate environment for children within Kanawha County, while offering activities and support to the community as a whole. Our focus is to provide a stimulating environment that will promote social/emotional, physical, and cognitive development.

### **Describe Existing Facility Site:**

The WJ Raglin Center sits on a 6.26-acre site in Dunbar. The site is surrounded by adequate city streets, but not separated from pedestrian traffic. Bus loading is adequate but is not separated from vehicle traffic, however, they do not use buses at this location. There is not adequate site for expansion.

### **Recommendations for Future Use of Existing Facility:**

As noted above, the following improvements are required for WJ Raglin Center:

- There is no safe school entrance at this location.
- Office is remote from the front office.
- There is space to load buses at the facility, but they do not use buses at this location.
- The building has seven disconnects violating the six disconnect rule for the service entrance.
- The parking is not adequately lit.

### **Cost Estimates for Recommendations:**

The cost for the improvements at WJ Raglin Center is \$1,137,599.25. The detailed estimate contained on SBA Form 134 is attached.

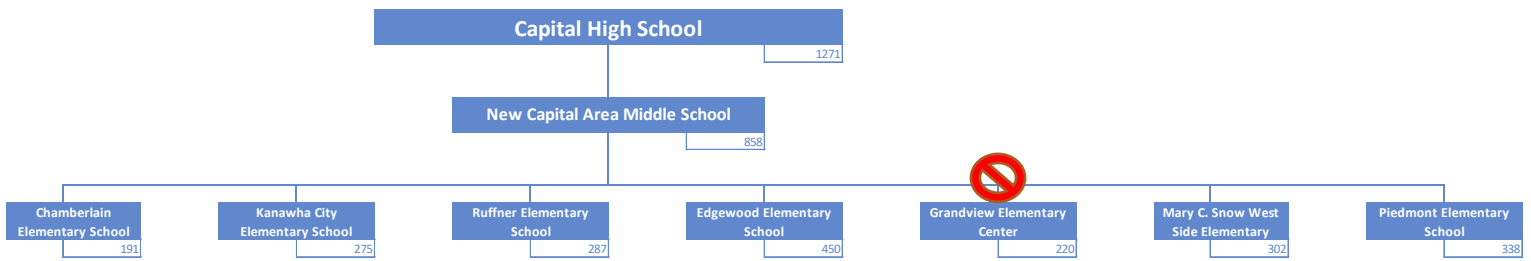
## Kanawha County Schools

### 100.016.3 Translating Educational Needs into Facility Needs

#### A. A Feeder School Summary Report

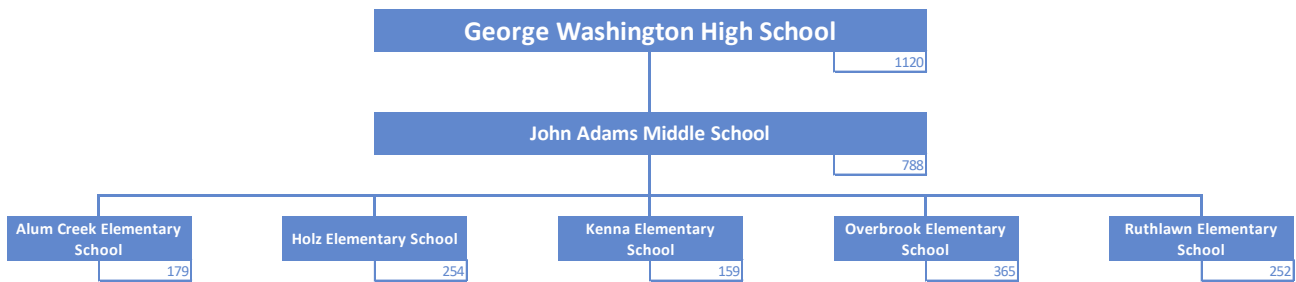
Kanawha County Schools intends to make several significant changes over the next 10 years. Updated attendance area feeder school diagrams are provided below:

#### Capital High School

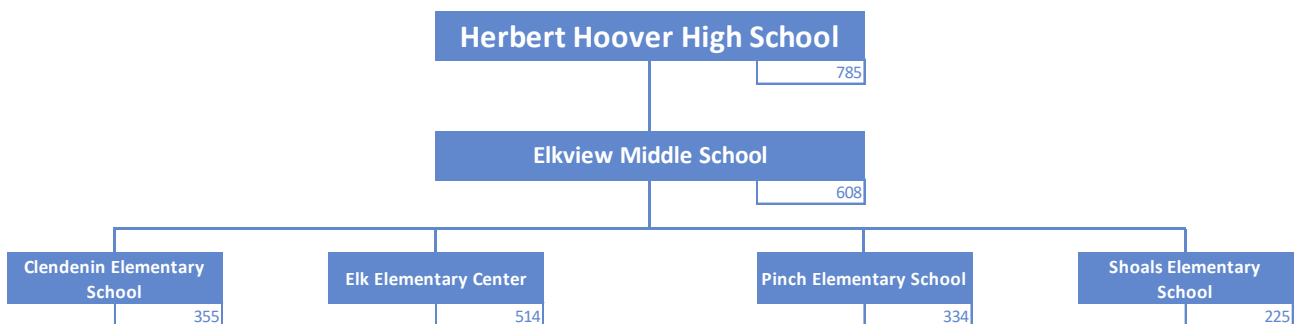


Grandview is planned to be consolidated into Edgewood and Mary C. Snow West Side Elementary Schools.

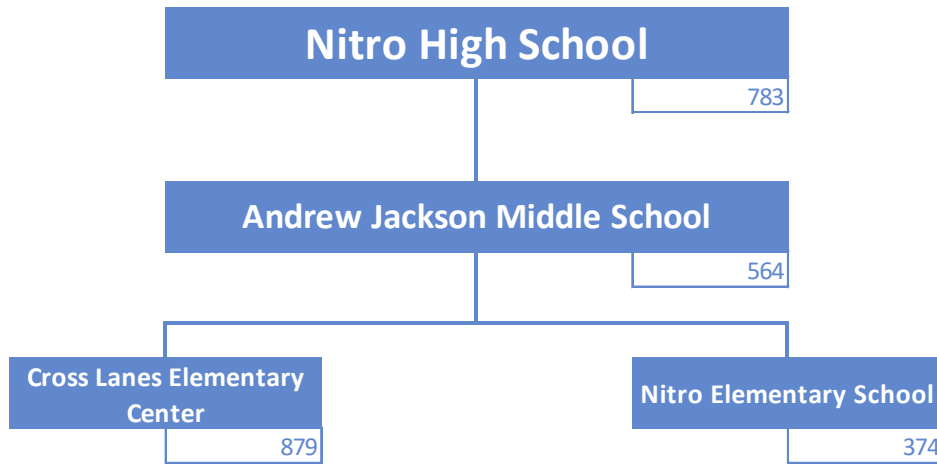
#### George Washington High School



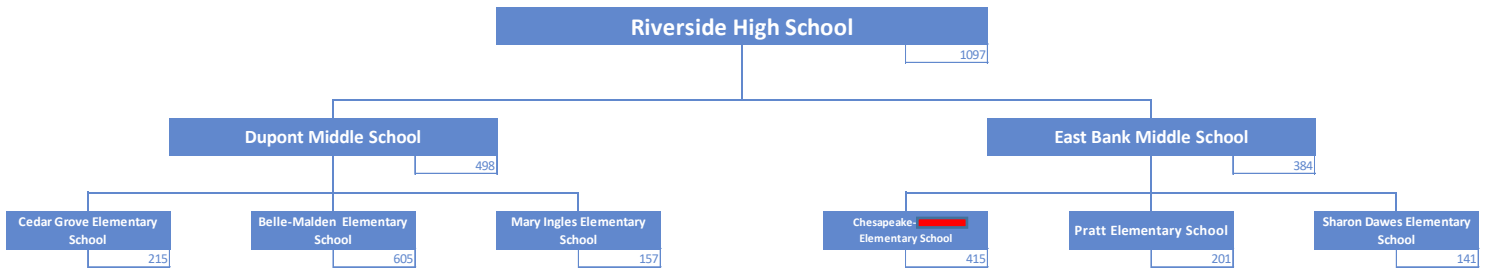
#### Herbert Hoover High School



Nitro High School

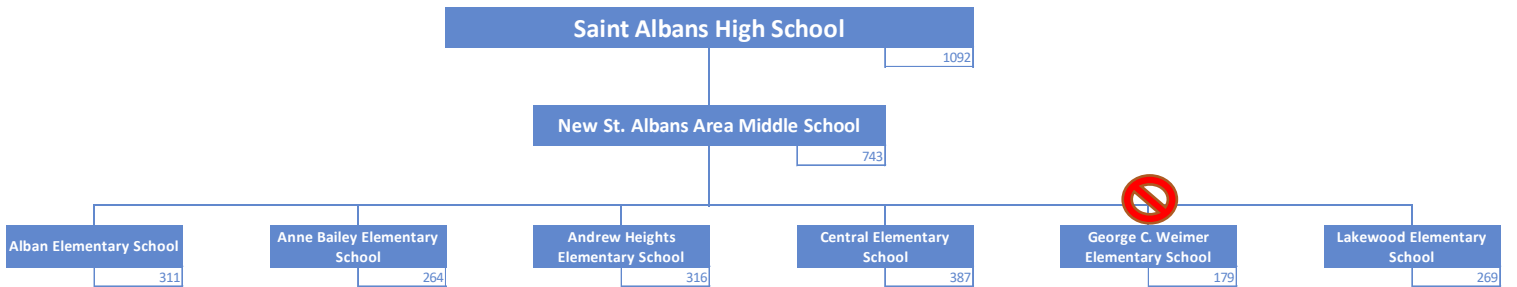


Riverside High School



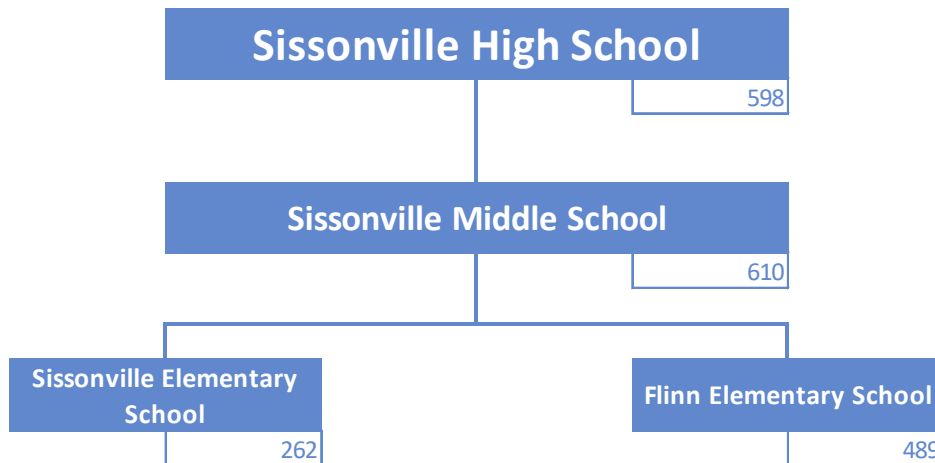
Marmet is planned to be consolidated into the existing Chesapeake Elementary facility.

Saint Albans High School

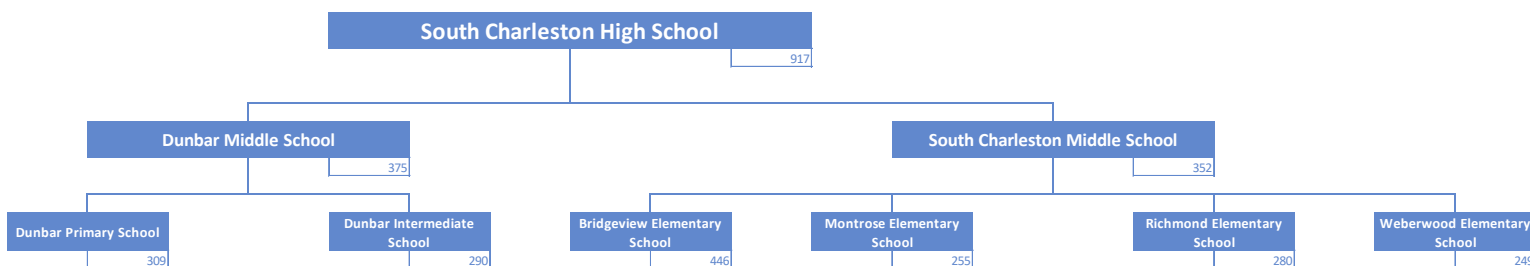


George C. Weimer is planned to be consolidated into Alban and Bridgeview Elementary Schools.

Sissonville High School



South Charleston High School



George C. Weimer is planned to be consolidated into Alban or Bridgeview Elementary Schools.

B. A feeder school summary report narrative

*In coordination with the feeder school summary, compile a list alphabetically by high school attendance area to provide an analysis of feeder schools and any systematic changes that are proposed to occur in the next planning cycle. Provide the facility name, whether it's a re-designation or a closure and the date of the change below for each High School Attendance area.*

The following feeder school systemic changes are anticipated as part of the 2020-2029 CEFP:

- Capital High School Attendance Area:**
- West Side Middle School, Closure (2024)
- Horace Mann Middle School, Closure (2024)
- New Capital Area Middle School (2024)

Grandview Elementary School, Closure (2024)

**George Washington High School Attendance Area:**

No Change

**Herbert Hoover High School Attendance Area:**

No Change

**Nitro High School Attendance Area:**

- Cross Lanes Elementary School, Closure (2028)
- Point Harmony Elementary School, Closure (2028)
- New Cross Lanes Elementary Center (2028)

**Riverside High School Attendance Area:**

- Cedar Grove Middle School, Closure (2021)
- Chesapeake Elementary School, ~~Closure (2021)~~ (To be consolidated with Marmet at Chesapeake Facility)
- Marmet Elementary School, Closure (2024)
- Midland Trail Elementary School, Closure (2021)
- New Chesapeake-Marmet Elementary School (2021)
- Belle Elementary School, Closure (2021)
- Malden Elementary School, Closure (2021)
- New Belle-Malden Elementary School (2021)

**Saint Albans High School Attendance Area:**

- Hayes Middle School, Closure (2026)
- McKinley Middle School, Closure (2026)
- New Saint Albans Area Middle School (2026)

George C. Weimer Elementary School, Closure (2024)

**Sissonville High School Attendance Area:**

No Change

**South Charleston High School Attendance Area:**

No Change

C. A High School Attendance Area Facility Report

Compile a list alphabetically by high school attendance area to provide an analysis of necessary and proposed improvements in each community. Mark all that apply with an X for each school. Add columns for each additional school. There are separate charts for each school type.

**Capital High School Attendance Area**

Building Use	Capital High School
Functional School	

Continued School	X
Closed School	
Transitional School	
New School (Replacement)	
Consolidated School	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	X
Air Conditioning	X
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	X
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

<b>Building Use</b>	<b>Horace Mann Middle School</b>	<b>West Side Middle School</b>
Functional School		
Continued School		
Closed School	X	X
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		



Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	X
Air Conditioning	X	X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Chamberlain Elementary School</b>	<b>Edgewood Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	Grandview Elementary School	Kanawha City Elementary School
Functional School		
Continued School	X	X
Closed School	X	
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	X
Air Conditioning	X	X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	Mary C. Snow West Side Elementary School	Piedmont Elementary School
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		

Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		X
Air Conditioning		X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Ruffner Elementary School</b>	<b>New Capital Area Middle School</b>
Functional School		
Continued School	X	
Closed School		
Transitional School		
New School (Replacement		
Consolidated School		X
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		

Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$66,682,668**

***George Washington High School Attendance Area***

<b>Building Use</b>	<b>George Washington High School</b>
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement Consolidated School)	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	X
Air Conditioning	X
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

<b>Building Use</b>	<b>John Adams Middle School</b>
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement)	
Consolidated School	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	
Air Conditioning	
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

<b>Building Use</b>	<b>Alum Creek Elementary School</b>	<b>Holz Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		

Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	
Air Conditioning	X	
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Kenna Elementary School</b>	<b>Overbrook Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		

Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Ruthlawn Elementary School</b>	
Functional School		
Continued School	X	
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)	X	
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$13,805,291**

***Herbert Hoover High School Attendance Area***

<b>Building Use</b>	<b>Herbert Hoover High School</b>	
Functional School		
Continued School		
Closed School		
Transitional School		

New School (Replacement Consolidated School)	X (Under Construction)
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	
Air Conditioning	
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

Building Use	Elkview Middle School
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement Consolidated School)	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	



Air Conditioning	
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

Building Use	Clendenin Elementary School	Elk Elementary Center
Functional School		
Continued School		X
Closed School		
Transitional School		
New School (Replacement)	X (Under Construction)	
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		X
Air Conditioning		X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	Pinch Elementary School	Shoals Elementary School
Functional School		
Continued School	X	X
Closed School		

Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	
Air Conditioning	X	
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$16,623,360**

***Nitro High School Attendance Area***

<b>Building Use</b>	<b>Nitro High School</b>
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement)	
Consolidated School	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	

New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	
Air Conditioning	
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	X
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

Building Use	Andrew Jackson Middle School	Cross Lanes Elementary School
Functional School		
Continued School	X	
Closed School		X
Transitional School		
New School (Replacement		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		X
Air Conditioning		X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		

Portable Replacement		
<b>Building Use</b>	<b>Nitro Elementary School</b>	<b>Point Harmony Elementary School</b>
Functional School		
Continued School	X	
Closed School		X
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>New Cross Lanes Elementary Center</b>	
Functional School		
Continued School		
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School	X	
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		

Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$43,164,765**

***Riverside High School Attendance Area***

<b>Building Use</b>	<b>Riverside High School</b>
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement)	
Consolidated School	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	X
Air Conditioning	X

Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	X
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

Building Use	Cedar Grove Middle School	Dupont Middle School
Functional School		
Continued School		X
Closed School	X	
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	
Air Conditioning	X	
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	East Bank Middle School	Belle Elementary School
Functional School		
Continued School	X	

Closed School		X
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	Cedar Grove Elementary School	Chesapeake Elementary School
Functional School		
Continued School	X	<del>X</del>
Closed School		<del>X</del>
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		

Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	
Air Conditioning	X	
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Malden Elementary School</b>	<b>Marmet Elementary School</b>
Functional School		
Continued School		
Closed School	X	X
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	X
Air Conditioning	X	X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		



<b>Building Use</b>	<b>Mary Ingles Elementary School</b>	<b>Midland Train Elementary School</b>
Functional School		
Continued School	X	
Closed School		X
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		X
Air Conditioning		X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Pratt Elementary School</b>	<b>Sharon Dawes Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		

Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	
Air Conditioning	X	
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	<del>New Chesapeake-Marmet Elementary School</del>	New Belle-Malden Elementary School
Functional School		
Continued School		
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School	X	X
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		

Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$105,100,728** **\$90,066,938**

Less 15,033,790.00 from the change of Priority 4 new Marmet and Chesapeake Elementary School to consolidation at existing Chesapeake Elementary School.

***Saint Albans High School Attendance Area***

<b>Building Use</b>	<b>Saint Albans High School</b>
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement Consolidated School)	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	X
Air Conditioning	X
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

<b>Building Use</b>	<b>Hayes Middle School</b>	<b>McKinley Middle School</b>
Functional School		
Continued School		
Closed School	X	X
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	
Air Conditioning	X	
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Alban Elementary School</b>	<b>Anne Bailey Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		

Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		X
Air Conditioning		X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Andrew Heights Elementary School</b>	<b>Central Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		

Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	George C. Weimer Elementary School	Lakewood Elementary School
Functional School		
Continued School	X	X
Closed School	X	
Transitional School		
New School (Replacement Consolidated School)		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	X
Air Conditioning	X	X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	New Saint Albans Area Middle School
Functional School	
Continued School	
Closed School	
Transitional School	
New School (Replacement)	X

Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$70,279,806**

*Sissonville High School Attendance Area*

<b>Building Use</b>	<b>Sissonville High School</b>
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement)	
Consolidated School	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	

Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	X
Air Conditioning	X
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	X (Partial)
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

Building Use	Sissonville Middle School
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement)	
Consolidated School	
<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	
Air Conditioning	
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	



<b>Building Use</b>	<b>Flinn Elementary School</b>	<b>Sissonville Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$8,311,680**

***South Charleston High School Attendance Area***

<b>Building Use</b>	<b>South Charleston High School</b>
Functional School	
Continued School	X
Closed School	
Transitional School	
New School (Replacement)	
Consolidated School	

<b>Building Improvements</b>	
New Construction (Addition)	
Site Improvements	
Building Repair	
Building Envelope Renovation (New Comp)	
Interior Remodeling (Sp Imp)	
New Interior Finishes	
Window Replacement	
Doors & Frame Replacement	
Plumbing Renovations	
Heating/Ventilation Improvement	X
Air Conditioning	X
Special Use Space Improvements (Technology, Media etc.)	
Roof Repair	
Accessibility Improvements	
Health & Safety Improvements	
Furnishing & Equipment Improvements	
Portable Replacement	

<b>Building Use</b>	<b>Dunbar Middle School</b>	<b>South Charleston Middle School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	X
Air Conditioning	X	X

Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	Bridgeview Elementary School	Dunbar Primary School
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		
Air Conditioning		
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Building Use	Dunbar Intermediate School	Montrose Elementary School
Functional School		
Continued School	X	X
Closed School		

Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		
Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement		X
Air Conditioning		X
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair	X	X
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

<b>Building Use</b>	<b>Richmond Elementary School</b>	<b>Weberwood Elementary School</b>
Functional School		
Continued School	X	X
Closed School		
Transitional School		
New School (Replacement)		
Consolidated School		
<b>Building Improvements</b>		
New Construction (Addition)		
Site Improvements		
Building Repair		
Building Envelope Renovation (New Comp)		
Interior Remodeling (Sp Imp)		
New Interior Finishes		
Window Replacement		

Doors & Frame Replacement		
Plumbing Renovations		
Heating/Ventilation Improvement	X	
Air Conditioning	X	
Special Use Space Improvements (Technology, Media etc.)		
Roof Repair		
Accessibility Improvements		
Health & Safety Improvements		
Furnishing & Equipment Improvements		
Portable Replacement		

Total Estimated Expenditures in This Attendance Area: **\$41,558,398**

Total Estimated Expenditures at Career Centers: **\$8,311,680**

**D. A countywide facility classification**

*List each facility within the county and its classification per the Building Review and Recommendation Report of this document.*

<b>Facility Name</b>	<b>Classification</b>	<b>If Transitional, Describe Future Use</b>
Alban Elementary School	P	
Alum Creek Elementary School	P	
Andrew Heights Elementary School	P	
Andrew Jackson Middle School	P	
Anne Bailey Elementary School	P	
Belle Elementary School	C	
Ben Franklin Career Center	P	
Bridge Elementary School	C	
Bridgeview Elementary School	P	
Capital High School	P	
Carver Career Center	P	
Cedar Grove Elementary School	P	
Cedar Grove Middle School	C	
Central Elementary School	P	
Chamberlain Elementary School	P	
Chandler Academy	P	

Chesapeake Elementary School	€P	Marmet is planned to be consolidated into Chesapeake
Clendenin Elementary School	P	New School Under Construction (2016 Floods)
Cross Lanes Elementary School	F	
Dunbar Intermediate School	P	
Dunbar Middle School	P	
Dunbar Primary School	P	
Dupont Middle School	P	
East Bank Middle School	P	
Edgewood Elementary School	P	
Elk Elementary Center	P	
Elkview Middle School	P	
Flinn Elementary School	P	
Garnett Career Center	P	
George C. Weimer Elementary School	P-C	<u>Planned for Closure after 2023-2024 School Year</u>
George Washington High School	P	
Grandview Elementary School	P-C	<u>Planned for Closure after 2023-2024 School Year</u>
Hayes Middle School	F	
Herbert Hoover High School	P	New School Under Construction (2016 Floods)
Holz Elementary School	P	
Horace Mann Middle School	C	
John Adams Middle School	P	
Kanawha City Elementary School	P	
Kenna Elementary School	P	
Lakewood Elementary School	P	
Malden Elementary School	C	
Marmet Elementary School	C	
Mary C. Snow West Side Elementary School	P	
Mary Ingles Elementary School	P	

McKinley Middle School	F	
Midland Trail Elementary School	C	
Montrose Elementary School	P	
Nitro Elementary School	P	
Nitro High School	P	
Overbrook Elementary School	P	
Piedmont Elementary School	P	
Pinch Elementary School	P	
Point Harmony Elementary School	F	
Pratt Elementary School	P	
Richmond Elementary School	P	
Riverside High School	P	
Ruffner Elementary School	P	
Ruthlawn Elementary School	P	
Saint Albans High School	P	
Sharon Dawes Elementary School	P	
Shoals Elementary School	P	
Sissonville Elementary School	P	
Sissonville High School	P	
Sissonville Middle School	P	
South Charleston High School	P	
South Charleston Middle School	P	
Weberwood Elementary School	P	
West Side Middle School	C	
William J. Raglin Center	P	

## School Classification Categories:

**P = Permanent**

A School facility that is to be utilized throughout the ten-year planning period without a change in its present use or grade configuration.

**T = Transitional** A school facility that is projected to be utilized throughout the ten-year planning cycle but will experience a change in its configuration or use.

**F = Functional** A school facility that is projected for closure between the fifth and tenth year during the ten-year planning period

**C = Closure** A school facility that is projected for closure before the fifth year of the ten-year planning period.

E. School Safety

Provide a school access safety repair and renovation schedule for each school.

The projects noted below will receive new Safe School Entrances as part of a planned 2024 Excess Levy.

School	Repair / Renovations	Budgeted Cost	Anticipated Funding
Capital High School	New Safe School Entrance	\$225,000	2024
George Washington High School	New Safe School Entrance	\$225,000	2024
Nitro High School	New Safe School Entrance	\$225,000	2024
Riverside High School	New Safe School Entrance	\$225,000	2024
South Charleston High School	New Safe School Entrance	\$225,000	2024

All new planned construction will receive Safe School Entrances and other safety and security features. Middle Schools and Elementary Schools will be provided Safe School Entrances (where feasible) with future levy funds.

F. Project Priority List

Provide a prioritized list of projects from the facility recommendations above. Also include a ten-year timeline to indicate the anticipated completion of each of these projects.

Priority	Facility Name	Project Name	Budgeted Cost (\$)	Anticipated Funding (YR)
1	Multiple Facilities	HVAC and Roofing Upgrades <sup>1</sup>	124,350,394	Ongoing, 2019 Excess Levy
2	Ruthlawn Elementary School	Renovation/Addition	1,337,771	2020
3	Cedar Grove Elementary School	Renovation Following CGMS Closure	10,000,000	2021
4	<del>Chesapeake-Marmet</del>	<del>New School</del>	<del>15,033,790</del>	<del>2021</del>



	<del>Elementary School</del>			
<del>5-4</del>	Belle-Malden Elementary School	New School	18,573,500	2021
<del>6-5</del>	Capital Area Middle School	New School	29,280,108	2024
<del>7-6</del>	Multiple Facilities	HVAC/Roofing/Security Upgrades <sup>2</sup>	125,000,000	2024 Excess Levy
<del>8-7</del>	Saint Albans Area Middle School	New School	28,721,408	2026
<del>9-8</del>	Cross Lanes Elementary Center	New School	26,541,405	2028

1. Projects Funded by 2019 Excess Levy:

HVAC

- Capital High School
  - George Washington High School
  - Dunbar Middle School
  - Alum Creek Elementary School
  - Carver Career Center
  - Kanawha City Elementary School
  - Piedmont Elementary School
  - Saint Albans High School
  - West Side Middle School
  - Grandview Elementary School
- cont.

Roofing

- Belle Elementary School
- Malden Elementary School
- Montrose Elementary School
- Pinch Elementary School
- Ruthlawn Elementary School
- Sharon Dawes Elementary School
- Pratt Elementary School
- Grandview Elementary School
- Dunbar Middle School
- McKinley Middle School

HVAC

- Riverside High School
- Sissonville High School
- South Charleston High School
- Elk Elementary Center
- Lakewood Elementary School

Roofing

- Capital High School
- Nitro High School
- Riverside High School
- Carver Career Center

2. Projects Funded by 2024 Excess Levy (Based on FCI):

HVAC

- Montrose Elementary School
- George C. Weimer Elementary School
- Malden Elementary School
- Horace Mann Middle School
- Richmond Elementary School

Roofing

- George C. Weimer Elementary School
- Horace Mann Middle School
- Cedar Grove Elementary School
- Dunbar Primary School
- Cedar Grove Middle School

Marmet Elementary School  
Cedar Grove Elementary School  
Midland Trail Elementary School  
Cedar Grove Middle School  
Anne Bailey Elementary School  
Cross Lanes Elementary School  
Pratt Elementary School  
South Charleston Middle School  
Hayes Middle School  
Pinch Elementary School

Anne Bailey Elementary School  
Cross Lanes Elementary School  
South Charleston Middle School  
Hayes Middle School  
Dunbar Intermediate School  
Elk Elementary Center  
Andrew Jackson Middle School  
Chesapeake Elementary School  
Sissonville High School (Partial)  
Alban Elementary School

*Note: If any of the major projects proceed and the schools above are closed, the list will be modified to add additional facilities.*

**Kanawha County Schools**

100.018 Financing Plan

*The estimated costs for implementing all projects and improvements identified in the CEFP along with the Cost Improvement Summary shall be utilized in the development of the following finance plan.*

**Instructions: Please complete Section B and utilize the total sources of funding then complete Section A & Overall Summary with the totals of funding to complete Section A.**

A. Source of Funding Summary

The charts below represent the sources identified to cover all identified project costs.

**Overall Summary of Projects**

Project Type	Cost
Elementary Schools	\$152,636,329
Intermediate Schools	\$ 0
Middles Schools	\$ 58,181,758
High Schools	\$ 49,870,078
New Schools	<del>\$118,150,211</del>
	<u>\$103,116,421</u>
<b>TOTAL</b>	<del><b>\$378,838,376</b></del>
	<u><b>\$363,804,586</b></u>

*Instructions: Please provide the funding sources and totals. Please document this for all of the following funding sources: Local bonding capacity and unencumbered potential, Excess levy funds, Federal aid funds, Sale of abandoned school sites and buildings, State funds (including SBA), Permanent improvement funds, Performance-based contracting and Lease-purchase arrangement.*

Funding Source:	Local Funds	State Funds
<b>Funding Source Total:</b>	<del>\$275,438,165</del> <u>\$272,438,165</u>	<del>\$103,400,211</del> <u>\$91,366,421</u>

Fiscal Obligations

<b>Outstanding Bond Indebtedness</b>	<b>Total Obligation</b>	<b>As of Date</b>	<b>Amount encumbered Annually</b>	<b>Maturity date(s)</b>
None	\$			
	\$			
	\$			

<b>Outstanding Levy Indebtedness</b>	<b>Total Obligation</b>	<b>As of Date</b>	<b>Amount encumbered Annually</b>	<b>Renewal date(s)</b>
Excess Levy	\$ 324,240,000	7/1/19	\$64,920,000	6/30/24
	\$			
	\$			

<b>Outstanding Contracts (Lease Purchase, Performance Based, Cert. of Participation)</b>	<b>Total Obligation</b>	<b>As of Date</b>	<b>Amount encumbered Annually</b>	<b>Maturity date(s)</b>
Energy Savings Lease Purchase <sup>1</sup>	N/A			
Energy Savings Lease Purchase - Lighting	\$ 5,811,507	3/31/14	\$ 705,000	12/31/25
Capital Lease - Edgewood	\$ 2,000,000	7/26/12	\$ 178,666	7/26/27
Capital Lease - Ipads	\$16,908,798	6/15/17	\$2,962,756	7/15/21
Capital Lease - Ipads	\$ 699,300	6/10/19	\$ 177,182	6/10/22
Capital Lease - Ipads	\$ 9,747,472	4/16/20	\$2,962,697	1/15/24
Capital Lease - Turf <sup>1</sup>	N/A			

**1**     *The Energy Savings Lease Purchase and Capital Lease – Turf is funded through the Excess Levy noted above.*



<b>New Schools Subtotal</b>				<del>\$23,750,000</del>	<del>\$94,400,211</del>			<del>\$118,150,211</del>
				<u>\$20,750,000</u>	<u>\$82,366,421</u>			<u>\$103,116,421</u>
<del>New Chesapeake-Marmet Elementary School</del>				<del>\$3,000,000</del>	<del>\$12,033,790</del>			<del>\$15,033,790</del>
New Belle-Malden Elementary School				\$3,750,000	\$14,823,500			\$18,573,500
New Capital Area Middle School				\$6,000,000	\$23,280,108			\$29,280,108
New Saint Albans Area Middle School				\$6,000,000	\$22,721,408			\$28,721,408
New Cross Lanes Elementary Center				\$5,000,000	\$21,541,405			\$26,541,405
<b>Total All Locations</b>		<b>\$249,350,394</b>		<del>\$26,087,771</del>	<del>\$102,400,211</del>	<b>\$1,000,000</b>		<del>\$378,838,376</del>
				<u>\$23,087,771</u>	<u>\$90,366,421</u>			<u>\$363,804,586</u>

C. Multi-County Project Information

*If a proposed project benefits more than one county in the region, provide the manner in which the cost and funding of the proposed project shall be apportioned among the counties.*

*If more than 2 Counties benefit, please insert a Cost and Funding Source column for each subsequent county.*

**N/A**

School Name	County 1 Cost	Funding Source	Count 2 Cost	Funding Source	Total Cost
					\$
					\$
					\$
<b>TOTAL</b>					\$

D. Additional Information: *(no action required)*

While county financial conditions and bonding efforts will be considered and are strongly encouraged, they will not be the sole factors in determining eligibility for school projects to be funded, wholly or partially, by the SBA. Likewise, economies of scale, while an important aspect of efficiency and sound financial planning, should not be a deterrent for county school systems to seek funding from the SBA and shall not be a sole determining factor in awarding funding.

E. An accurate financial plan and proposed budget shall be required any time building projects are considered.