

Elementary Grade Configurations

Grade Configuration Options

Determining whether or not the Jordan Acres Elementary School should be reopened or be closed permanently is critical to making a decision on what needs to be done at the other elementary schools. To assist the school department in making that decision, various options were developed and evaluated. The two separate spreadsheets on the following pages outline the various options considered along with their respective costs.

Three basic options were developed and considered as follows:

- § Option 1
 - Creates three elementary schools.
 - Reopens Jordan Acres
 - Coffin and Jordan Acres become K-2 schools
 - Stowe reverts to grades 3-5 as originally designed
- § Option 2
 - Creates three elementary schools.
 - Reopens Jordan Acres which becomes a Kindergarten only school
 - Coffin becomes a grade 1-2 school
 - Stowe reverts to grades 3-5 as originally designed
- § Option 3
 - Keeps the two current elementary schools
 - Jordan Acres is closed permanently
 - Coffin is expanded and becomes a grade K-2 school
 - Stowe reverts to grades 3-5 as originally designed

In addition to the three basic options, several sub-options were also considered. The sub-options included:

- § Keeping Jordan Acres as an “open concept” school or renovating it to create traditional classroom space.
- § Reopening the Hawthorne School as a grade 1-5 “Choice” school and relocating the administrative offices to another location.

Each option and sub-option is outlined on the following spreadsheets detailing a range of renovations and additions along with the different costs associated with each of the options. The estimates of probable costs, summarized below, are based on current construction costs and are subject to change as market conditions change or when the work is actually performed.

Option 1	\$11,296,000
Option 1A	\$12,831,000
Option 1B	\$13,691,200
Option 2	\$12,311,000
Option 2A	\$10,776,000
Option 2B	\$13,615,200
Option 3	\$ 8,270,000
Option 3A	\$11,139,200

Elementary Grade Configurations

The preliminary findings were presented to the school board at a workshop meeting on January 25, 2012. A copy of the PowerPoint presentation is included following the grade configuration spreadsheets. The school board took no action on the findings pending completion of the Master Plan study.

Classroom Calculations

In addition to the grade configuration analysis, an evaluation of the number of general education classrooms was prepared to look at the current counts and what may be required assuming a 2% increase in the student population per year over the next 5 years. The classroom calculation includes all grade levels but the primary concern is at the elementary grade level where the greatest reconfiguration potential exists. The evaluation is based on Option 3 from the grade configuration analysis whereas the Jordan Acres School would be closed and the Coffin and Stowe schools would become the primary elementary schools. The total number of classrooms is based on the projected student population so the number required would not vary if a different option were selected.

The classroom calculations reference the Brunswick School Departments standards for recommended class size. All classrooms at all grade levels for number of rooms and class size currently fall within the school department's recommendations. Refer to Classroom Calculation chart included in this section.

Currently the Coffin School is using 21 classrooms for K-1 with an average class size of 18 to 19, the Stowe School is using 31 classrooms for 2-5 with an average class size of 21, the Junior High School is using 24 classrooms with an average class size of 22 and the High School is using 45 classrooms with an average class size of 19.

Using Option 3 as a possible reconfiguration, with Jordan Acres closing and Coffin becoming a K-2 school, and assuming a 10% increase in the number of students in 5 years, the Coffin School would need 5 to 10 additional classrooms. If a Pre-K program were added at Coffin, another 4 to 5 classrooms would be needed. No additional classrooms would be needed at the Stowe School, the Junior High School or the High School.

Pre-K Program

Implementing a half-day Pre-K program for 4-year old children in the Brunswick school system is something currently being considered by the Brunswick School Department. Pre-K programs are already being offered in about 100 different school districts or departments throughout the State of Maine. Because demand has been greater than space permits, some school districts have had to implement a lottery system to select students who will be allowed into the program. An indication that the Pre-K program has become very popular with parents for getting a head start on their children's education.

Elementary Grade Configurations

If Brunswick were to implement such a program, it is projected that as many as 120 students would apply to attend the program. Being a half-day program, half of the students would attend in the morning and half would attend in the afternoon. To accommodate this number of students, it is estimated that 4 to 5 new classrooms, of about 1,000 sf each, would be needed based on an optimum class size of between 12 and 16 students each. In addition to the new classrooms, teachers and support staff would need to be hired for the program.

Depending on which option is selected for the elementary grade configuration would determine the location of the Pre-K program. Under Option 3 with the Jordan Acres School closed, the entire program would be added to the Coffin School. On the other hand, if Option 1 were selected, which suggests a K-2 program at the Coffin and Jordan Acres schools, the Pre-K program could possibly be split between the two schools, such as 3 and 2 classrooms respectively. Lastly, if the decision were made to go with Option 2 where Jordan Acres becomes a dedicated Kindergarten center, then the pre-K program could be located in its entirety at Jordan Acres.

Brunswick Schools Facilities Master Plan Study

Elementary Grade Configuration Options

FINAL

January 26, 2012

	Stowe	Coffin	Jordan Acres	Hawthorne	Remarks
Current Configuration	<p>Grades: 2-5 Year Opened: 2011 Additions: None Existing Area: 94,836 sf Portable Area: None Total Area: 94,836 sf Population: 660 students Classrooms per Grade: 3-7, 2,4,5-8 Total Classrooms: 31 Average Class Size: 21.5 Area per Student: 144 sf Design Capacity: 668 Site Size: 12.85± acres Recommended Minimum Site Size: 12 acres (Based on design capacity.)</p>	<p>Grades: K-1 Year Opened: 1955 Additions: 1990 (Nutrition Storage) Existing Area: 57,440 sf Portable Area: 5,660 sf Total Area: 63,100 sf Population: 373 students Classrooms per Grade: K-9, 1-10 Total Classrooms: 19 Average Class Size: K-20.4, 1-17.4 Area per Student: 154 sf Design Capacity: 405 Site Size: 8± acres (part of 29.3± acre site shared w/BJHS & Bus Garage) Recommended Minimum Site Size: 9 acres (Based on design capacity.)</p>	<p>Grades: Currently Closed Year Opened: 1972 Additions: None Existing Area: 39,960 sf Portable Area: None Total Area: 39,960 sf Population: 0 students Classrooms per Grade: 3 classes per pod (5 pods total) + 2 K classes Total Classrooms: 17 Average Class Size: Area per Student: 0 sf Design Capacity: 281 Site Size: 10.4± acres Recommended Minimum Site Size: 8 acres (Based on design capacity.)</p>	<p>Grades: None. Currently used as Central Offices for School Department Year Opened: 1893/1915 Additions: None Existing Area: 22,230 sf Portable Area: None Total Area: 22,230 sf Population: 0 students</p>	<ul style="list-style-type: none"> Two Elementary Schools. Current K-5 population: 1,033 students Stowe School was designed as a Grade 3-5 school for 600 students. Coffin and Jordan Acres Schools were each K-5 schools prior to opening of the Stowe School. Jordan Acres School was closed during summer of 2011 due to budget reductions. As a result of JA closing: <ul style="list-style-type: none"> Coffin School was converted to Grades K- 1. Grade 2 was moved to Stowe School. Coffin has 8 programs in 6 portables. Jordan Acres had an 8 classroom portable that is to be removed. Total Classrooms: 50 Average Class Size: 21
Option 1	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 540 to 600 Classrooms per Grade: 8 to 10 Total Classrooms: 24 to 30 Area per Student: 176 to 158 sf</p>	<p>Grades: K-2 Existing Area: 57,440 sf New Area: 13,600 sf Total Area: 71,040 sf Population: 360 to 400 Classrooms per Grade: 6 Total Classrooms: 18 Area per Student: 197 to 178 sf</p>	<p>Grades: K-2 Existing Area: 39,960 sf New Area: 10,900 sf Total Area: 50,860 sf Population: 180 to 200 Classrooms per Grade: 4 Total Classrooms: 12 Area per Student: 283 to 254 sf</p>	<p>Grades: None - remains closed as a school</p>	<ul style="list-style-type: none"> Three Elementary Schools Total K-5 population: 1,080 to 1,200 students Relocates Grade 2 from Stowe School to Coffin and JA Schools. Stowe School becomes Grade 3-5 as originally designed. Creates two K-2 schools (1/3 – 2/3) Reopens Jordan Acres School as a K-2 school. (1/3 of students) Converts Coffin School to Grades K-2. (2/3 of students) Jordan Acres is minimally renovated and remains as an “Open” concept school. Hawthorne remains as Central offices or is moved to another location and Hawthorne is closed permanently Total Classrooms: 54 to 60
Option 1A	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 540 to 600 Classrooms per Grade: 8 to 10 Total Classrooms: 24 to 30 Area per Student: 176 to 158 sf</p>	<p>Grades: K-2 Existing Area: 57,440 sf New Area: 13,600 sf Total Area: 71,040 sf Population: 360 to 400 Classrooms per Grade: 6 Total Classrooms: 18 Area per Student: 197 to 178 sf</p>	<p>Grades: K-2 Existing Area: 39,960 sf New Area: 10,900 sf Total Area: 50,860 sf Population: 180 to 200 Classrooms per Grade: 4 Total Classrooms: 12 Area per Student: 283 to 254 sf</p>	<p>Grades: None - remains closed as a school</p>	<ul style="list-style-type: none"> Three Elementary Schools Same as Option 1 except: <ul style="list-style-type: none"> Jordan Acres is fully renovated and expanded. Total Classrooms: 54 to 60
Option 1B	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 420 to 480 Classrooms per Grade: 8 Total Classrooms: 24 Area per Student: 226 to 198 sf</p>	<p>Grades: K-2 Existing Area: 57,440 sf New Area: 10,240 sf Total Area: 67,680 sf Population: 320 to 360 Classrooms per Grade: 5 Total Classrooms: 15 Area per Student: 212 to 188 sf</p>	<p>Grades: K-2 Existing Area: 39,960 sf New Area: 9,700 sf Total Area: 49,660 sf Population: 140 to 160 Classrooms per Grade: 3 Total Classrooms: 9 Area per Student: 355 to 310 sf</p>	<p>Grades: 1-5 Existing Area: 22,230 sf New Area: 0 sf Total Area: 22,230 sf Population: 200 Classrooms per Grade: 2 Total Classrooms: 10 Area per Student: 111 sf</p>	<ul style="list-style-type: none"> Four Elementary Schools Same as Option 1 except: <ul style="list-style-type: none"> Hawthorne reopens as a “Choice” School. Central Offices moved to another location. Reduces number of students at Stowe, Coffin and JA. Total Classrooms: 58

Brunswick Schools Facilities Master Plan Study

Elementary Grade Configuration Options

FINAL

January 26, 2012

	Stowe	Coffin	Jordan Acres	Hawthorne	Remarks
Option 2	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 540 to 600 Classrooms per Grade: 8 to 10 Total Classrooms: 24 to 30 Area per Student: 176 to 158 sf</p>	<p>Grades: 1-2 Existing Area: 57,440 sf New Area: 13,600 sf Total Area: 71,040 sf Population: 360 to 400 Classrooms per Grade: 10 Total Classrooms: 20 Area per Student: 197 to 178 sf</p>	<p>Grades: K Existing Area: 39,960 sf New Area: 8,200 sf Total Area: 48,160 sf Population: 180 to 200 Classrooms per Grade: 10 Total Classrooms: 10 Area per Student: 268 to 241 sf</p>	<p>Grades: None - remains closed as a school</p>	<ul style="list-style-type: none"> • Three Elementary Schools • Total K-5 population: 1,080 to 1,200 students • Relocates Grade 2 from Stowe School to Coffin School. • Stowe School becomes Grade 3-5 as originally designed. • Coffin School remains as a two grade school for Grades 1-2. • Coffin portables are removed. • Reopens Jordan Acres School as a Kindergarten school. • Jordan Acres is fully renovated and expanded. • Hawthorne remains as Central offices or is moved to another location and Hawthorne is closed permanently • Total Classrooms: 54 to 60
Option 2A	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 540 to 600 Classrooms per Grade: 8 to 10 Total Classrooms: 24 to 30 Area per Student: 176 to 158 sf</p>	<p>Grades: 1-2 Existing Area: 57,440 sf New Area: 13,600 sf Total Area: 71,040 sf Population: 360 to 400 Classrooms per Grade: 10 Total Classrooms: 20 Area per Student: 197 to 178 sf</p>	<p>Grades: K Existing Area: 39,960 sf New Area: 8,200 sf Total Area: 48,160 sf Population: 180 to 200 Classrooms per Grade: 10 Total Classrooms: 10 Area per Student: 268 to 241 sf</p>	<p>Grades: None - remains closed as a school</p>	<ul style="list-style-type: none"> • Three Elementary Schools • Same as Option 2 except: <ul style="list-style-type: none"> • Jordan Acres is minimally renovated and remains as an "Open" concept school. • Total Classrooms: 54 to 60
Option 2B	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 420 to 480 Classrooms per Grade: 8 Total Classrooms: 24 Area per Student: 226 to 198 sf</p>	<p>Grades: 1-2 Existing Area: 57,440 sf New Area: 11,360 sf Total Area: 68,800 sf Population: 280 to 320 Classrooms per Grade: 8 Total Classrooms: 24 Area per Student: 246 to 215 sf</p>	<p>Grades: K Existing Area: 39,960 sf New Area: 8,200 sf Total Area: 48,160 sf Population: 180 to 200 Classrooms per Grade: 10 Total Classrooms: 10 Area per Student: 268 to 241 sf</p>	<p>Grades: 1-5 Existing Area: 22,230 sf New Area: 0 sf Total Area: 22,230 sf Population: 200 Classrooms per Grade: 2 Total Classrooms: 10 Area per Student: 111 sf</p>	<ul style="list-style-type: none"> • Four Elementary Schools • Same as Option 2A except: <ul style="list-style-type: none"> • Hawthorne reopens as a "Choice" School. • Central Offices moved to another location. • Reduces number of students at Stowe and Coffin. • Total Classrooms: 68
Option 3	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 540 to 600 Classrooms per Grade: 8 to 10 Total Classrooms: 24 to 30 Area per Student: 176 to 158 sf</p>	<p>Grades: K-2 Existing Area: 57,440 sf New Area: 27,760 sf Total Area: 85,200 sf Population: 540 to 600 Classrooms per Grade: 10 Total Classrooms: 30 Area per Student: 158 to 142 sf</p>	<p>Grades: None - remains closed as a school</p>	<p>Grades: None - remains closed as a school</p>	<ul style="list-style-type: none"> • Two Elementary Schools. • Similar to Current Configuration except for shift of 2nd Grade. • Total K-5 population: 1,080 to 1,200 students • Relocates Grade 2 from Stowe School to Coffin School. • Stowe School becomes Grade 3-5 as originally designed. • Expands Coffin School to accommodate an additional grade. • Coffin portables are removed. • Closes Jordan Acres School permanently. • Hawthorne remains as Central offices or is moved to another location and Hawthorne is closed permanently • Most economical and efficient solution. • Total Classrooms: 54 to 60
Option 3A	<p>Grades: 3-5 Existing Area: 94,836 sf New Area: 0 sf Total Area: 94,836 sf Population: 420 to 480 Classrooms per Grade: 8 Total Classrooms: 24 Area per Student: 226 to 198 sf</p>	<p>Grades: K-2 Existing Area: 57,440 sf New Area: 25,520 sf Total Area: 82,960 sf Population: 460 to 520 Classrooms per Grade: 8 Total Classrooms: 24 Area per Student: 180 to 160 sf</p>	<p>Grades: None - remains closed as a school</p>	<p>Grades: 1-5 Existing Area: 22,230 sf New Area: 0 sf Total Area: 22,230 sf Population: 200 Classrooms per Grade: 2 Total Classrooms: 10 Area per Student: 111 sf</p>	<ul style="list-style-type: none"> • Three Elementary Schools • Same as Option 3 except: <ul style="list-style-type: none"> • Hawthorne reopens as a "Choice" School. • Central Offices moved to another location. • Reduces number of students at Stowe and Coffin. • Total Classrooms: 58

Note: The above grade configurations do not include a Pre-K program. If a Pre-K program is initiated, it is estimated that the program would accommodate approximately 120 students with 60 students attending in the AM and 60 students attending in the PM. This would require the addition of 4 or 5 classrooms of approximately 1,000 sf net each.

	Stowe	Coffin	Jordan Acres	Hawthorne	Remarks
Current Configuration	Grades: 2-5 Year Opened: 2011 Additions: None Existing Area: 94,836 sf Population: 660 students	Grades: K-1 Year Opened: 1955 Additions: 1990 (Nutrition Storage) Existing Area: 57,440 sf Population: 373 students	Grades: Currently Closed Year Opened: 1972 Additions: None Existing Area: 39,960 sf Population: 0 students	Grades: Currently Closed as a school Year Opened: 1893/1915 Additions: None Existing Area: 22,230 sf Population: 0 students	
Option 1	Grades: 3-5 Construction Costs: None Additional Costs: None	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,970,000 New Construction: \$2,611,000 Total: \$5,581,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in operating costs 	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$1,023,000 New Construction: \$2,092,000 Total: \$3,115,000 Additional Costs: <ul style="list-style-type: none"> Start-up costs to reopen JA Increases busing costs Increases staff costs Increases operating costs 	Grades: Closed Construction Costs: None Additional Costs: None	<ul style="list-style-type: none"> Three Elementary Schools Total Estimated Construction Costs: \$8,696,000 Estimated JA Reopening Costs: \$2,600,000 Total Estimated Costs: \$11,296,000
Option 1A	Grades: 3-5 Construction Costs: None Additional Costs: None	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,970,000 New Construction: \$2,611,000 Total: \$5,581,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in operating costs 	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,558,000 New Construction: \$2,092,000 Total: \$4,650,000 Additional Costs: <ul style="list-style-type: none"> Start-up costs to reopen JA Increases busing costs Increases staff costs Increases operating costs 	Grades: Closed Construction Costs: None Additional Costs: None	<ul style="list-style-type: none"> Three Elementary Schools Total Estimated Construction Costs: \$10,231,000 Estimated JA Reopening Costs: \$2,600,000 Total Estimated Costs: \$12,831,000
Option 1B	Grades: 3-5 Construction Costs: None Additional Costs: None	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,970,000 New Construction: \$1,966,000 Total: \$4,936,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in operating costs 	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$1,023,000 New Construction: \$1,863,000 Total: \$2,886,000 Additional Costs: <ul style="list-style-type: none"> Start-up costs to reopen JA Increases busing costs Increases staff costs Increases operating costs 	Grades: 1-5 Construction Costs: None <ul style="list-style-type: none"> Renovation: \$1,138,000 New Construction: None Total: \$1,138,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in busing costs Increases staff costs Increases operating costs 	<ul style="list-style-type: none"> Four Elementary Schools Total Estimated Construction Costs: \$8,960,000 Estimated JA Reopening Costs: \$2,600,000 Relocate Central Offices/Bus Garage: \$2,131,200 Total Estimated Costs: \$13,691,200
Option 2	Grades: 3-5 Construction Costs: None Additional Costs: None	Grades: 1-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,970,000 New Construction: \$2,611,000 Total: \$5,581,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in operating costs 	Grades: K Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,558,000 New Construction: \$1,572,000 Total: \$4,130,000 Additional Costs: <ul style="list-style-type: none"> Start-up costs to reopen JA Increases busing costs Increases staff costs Increases operating costs 	Grades: Closed Construction Costs: None Additional Costs: None	<ul style="list-style-type: none"> Three Elementary Schools Total Estimated Construction Costs: \$9,711,000 Estimated JA Reopening Costs: \$2,600,000 Total Estimated Costs: \$12,311,000

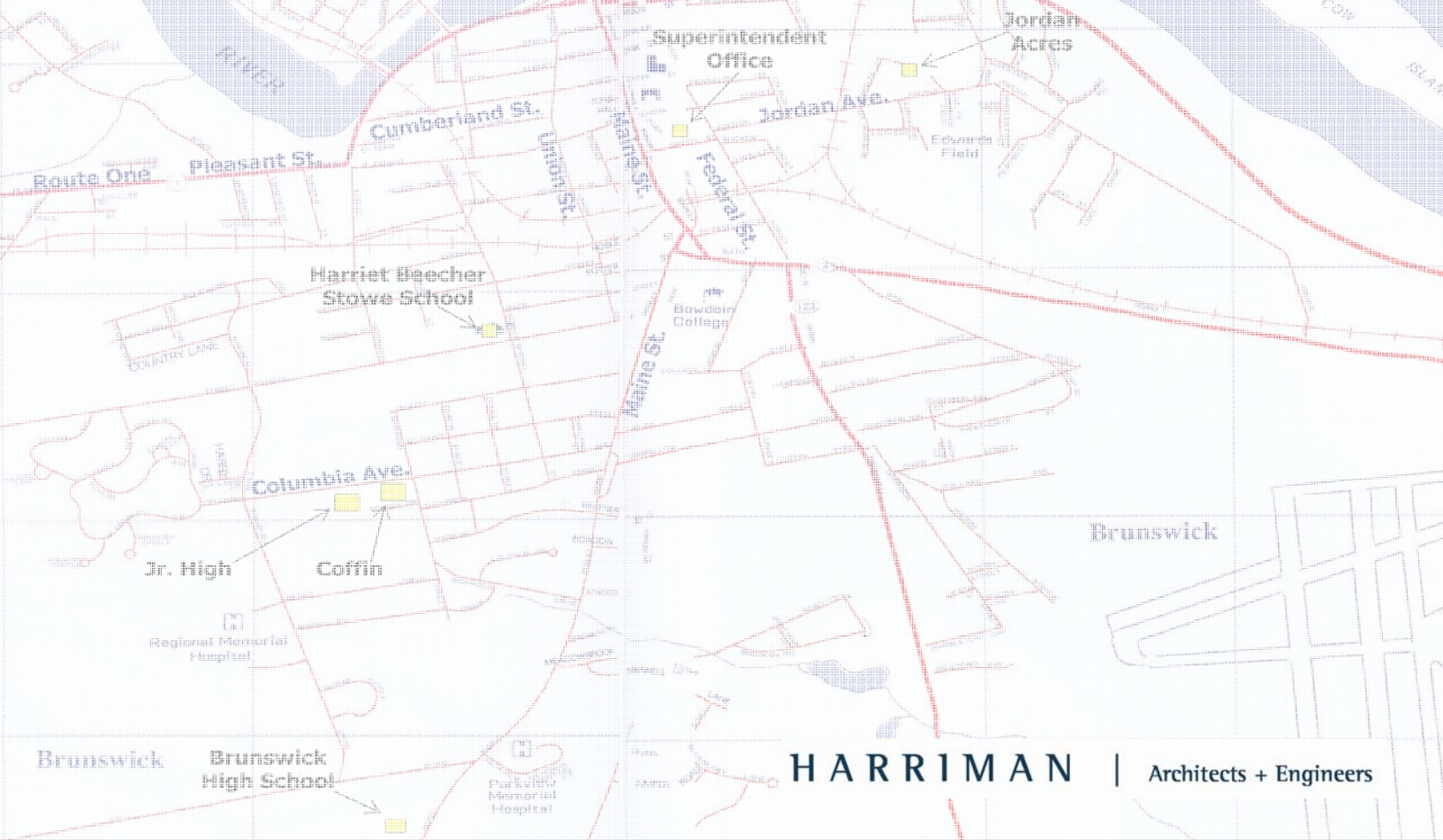
	Stowe	Coffin	Jordan Acres	Hawthorne	Remarks
Option 2A	Grades: 3-5 Construction Costs: None Additional Costs: None Grades: 3-5	Grades: 1-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,970,000 New Construction: \$2,611,000 Total: \$5,581,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in operating costs 	Grades: K Construction Costs: <ul style="list-style-type: none"> Renovation: \$1,023,000 New Construction: \$1,572,000 Total: \$2,595,000 Additional Costs: <ul style="list-style-type: none"> Start-up costs to reopen JA Increases busing costs Increases staff costs Increases operating costs 	Grades: Closed Construction Costs: None Additional Costs: None	<ul style="list-style-type: none"> Three Elementary Schools Total Estimated Construction Costs: \$8,176,000 Estimated JA Reopening Costs: \$2,600,000 Total Estimated Costs: \$10,776,000
Option 2B	Grades: 3-5 Construction Costs: None Additional Costs: None	Grades: 1-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,970,000 New Construction: \$2,181,000 Total: \$5,151,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in operating costs 	Grades: K Construction Costs: <ul style="list-style-type: none"> Renovation: \$1,023,000 New Construction: \$1,572,000 Total: \$2,595,000 Additional Costs: <ul style="list-style-type: none"> Start-up costs to reopen JA Increases busing costs Increases staff costs Increases operating costs 	Grades: 1-5 Construction Costs: None <ul style="list-style-type: none"> Renovation: \$1,138,000 New Construction: None Total: \$1,138,000 Additional Costs: <ul style="list-style-type: none"> Increases busing costs Increases staff costs Increases operating costs 	<ul style="list-style-type: none"> Four Elementary Schools Total Estimated Construction Costs: \$8,884,000 Estimated JA Reopening Costs: \$2,600,000 Relocate Central Offices/Bus Garage: \$2,131,200 Total Estimated Costs: \$13,615,200
Option 3	Grades: 3-5 Construction Costs: None Additional Costs: None	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,940,000 New Construction: \$5,330,000 Total: \$8,270,000 Additional Costs: <ul style="list-style-type: none"> No additional busing costs Minimal increase in staff costs Slight increase in operating costs 	Grades: Closed Construction Costs: None Additional Costs: None	Grades: Closed Construction Costs: None Additional Costs: None	<ul style="list-style-type: none"> Two Elementary Schools Total Estimated Construction Costs: \$8,270,000
Option 3A	Grades: 3-5 Construction Costs: None Additional Costs: None	Grades: K-2 Construction Costs: <ul style="list-style-type: none"> Renovation: \$2,940,000 New Construction: \$4,900,000 Total: \$7,870,000 Additional Costs: <ul style="list-style-type: none"> No additional busing costs Minimal increase in staff costs Slight increase in operating costs 	Grades: Closed Construction Costs: None Additional Costs: None	Grades: 1-5 Construction Costs: None <ul style="list-style-type: none"> Renovation: \$1,138,000 New Construction: None Total: \$1,138,000 Additional Costs: <ul style="list-style-type: none"> Slight increase in busing costs Increases staff costs Increase operating costs 	<ul style="list-style-type: none"> Three Elementary Schools Total Estimated Construction Costs: \$9,008,000 Relocate Central Offices/Bus Garage: \$2,131,200 Total Estimated Costs: \$11,139,200

Note: The above costs do not include additional space to add a Pre-K program. If a Pre-K program is initiated, it is estimated that the costs to add 4 or 5 classrooms would range from \$1,075,000 to \$1,344,000.

Grade	Current Configuration			Recommended Configuration ¹				Projected Configuration ²			
	Current Enrollment ⁴	Current Number of Classrooms	Average Class Size	Recommended Class Size		Recommended Number of Classrooms		Grade	Projected Enrollment	Projected Number of Classrooms	
				Min	Max	Max	Min			Max	Min
Coffin											
Pre-K	0	0	0	12	16	0	0	Pre-K	60 ³	5	4
Kindergarten	184	9	20	18	22	10	8	Kindergarten	202	10	9
Grade 1	176	10	18	18	22	10	8	Grade 1	194	11	9
Grade 1/2	14	2	7	20	24	1	1	Grade 2	189	9	8
Total PreK-2	374	21	18			21	17		585	35	30
Stowe											
Grade 2	172	8	22	20	24	9	7	Grade 2	0	0	0
Grade 3	140	7	20	20	24	7	6	Grade 3	154	8	6
Grade 4	167	8	21	21	25	8	7	Grade 4	184	9	7
Grade 5	174	8	22	21	25	8	7	Grade 5	191	9	8
Total 3-5	653	31	21			32	27		529	26	21
Total PreK-5	1,027	52	20			53	44		1,114	61	51
BJHS											
Grade 6	179	8	22	21	25	9	7	Grade 6	197	9	8
Grade 7	183	8	23	21	25	9	7	Grade 7	201	10	8
Grade 8	174	8	22	21	25	8	7	Grade 8	191	9	8
Total 6-8	536	24	22			26	21		590	28	24
BHS											
Grade 9	216	11	20	21	25	10	9	Grade 9	238	11	10
Grade 10	227	12	19	21	25	11	9	Grade 10	250	12	10
Grade 11	205	11	19	21	25	10	8	Grade 11	226	11	9
Grade 12	215	11	20	21	25	10	9	Grade 12	237	11	9
Total 9-12	863	45	19			41	35		949	45	38
Total - K-12	2,426	121	20			119	100		2,653	134	113

¹ Based on Brunswick School Department Standards² Assumes a 2% increase per year in student population over the next 5 years³ Based on 60 students in AM and 60 students in PM for a total of 120 Pre-K students⁴ Enrollment figures as of May 1, 2012

Brunswick School Department Facilities Master Plan Study



HARRIMAN | Architects + Engineers

Facilities Master Plan Study

- A comprehensive blueprint for the future of the Brunswick School Department
 - Task 1 – Evaluate elementary schools
 - Task 2 – Evaluate consolidation and relocation of central offices and bus garage
 - Task 3 – Evaluate Junior High and High School
 - Task 4 – Prepare final report



What Do You Currently Have?



Harriet Beecher Stowe School

Opened: 2011

Grades: 2-5

Existing Area: 94,836± sf

Population: 660± students

Design Capacity: 668

Coffin Elementary School

Opened: 1955

Grades: K-1

Existing Area: 57,440± sf

Portables: 5,660 sf

Population: 373± students

Design Capacity: 405



What Do You Currently Have?



Hawthorne School

Opened – 1893/1915

Grades: Being used as Central Offices

Existing Area: 22,230± sf

Population: 0

Design Capacity: 157± students

Jordan Acres School

Opened: 1972

Grades: Temporarily Closed

Existing Area: 39,660± sf

Population: 0

Design Capacity: 281± Students



Elementary School Options

General Goals

- Evaluate options to support Grades K-2
 - Decide Future of Jordan Acres
- Restore Stowe School to Grades 3-5
- Eliminate all portables/temporary classrooms
- Support consistent programming in all schools
- Projected K-5 Student Population: up to 1,200

Elementary School Options

Option 1

- Three Elementary Schools
 - Jordan Acres School – Grades K-2, 180 to 200 students
 - Coffin School - Grades K-2, 360 to 400 students
 - Stowe School – Grades 3-5, 540 to 600 students
- Jordan Acres is minimally renovated and keeps open concept plan
- Hawthorne remains as Central Offices or is moved to another location

Elementary School Options

Option 1A

- Three Elementary Schools
 - Jordan Acres School – Grades K-2, 180 to 200 students
 - Coffin School - Grades K-2, 360 to 400 students
 - Stowe School – Grades 3-5, 540 to 600 students
- Jordan Acres is fully renovated to eliminate open concept plan
- Hawthorne remains as Central Offices or is moved to another location

Elementary School Options

Option 1B

- Four Elementary Schools
 - Jordan Acres School – Grades K-2, 140 to 160 students
 - Coffin School - Grades K-2, 320 to 360 students
 - Stowe School – Grades 3-5, 420 to 480 students
 - Hawthorne - “Choice” School, Grades 1-5, 200 students
- Jordan Acres is minimally renovated and keeps open concept plan
- Central Offices moved to another location

Elementary School Options

Option 2

- Three Elementary Schools
 - Jordan Acres School – Kindergarten, 180 to 200 students
 - Coffin School - Grades 1-2, 360 to 400 students
 - Stowe School – Grades 3-5, 540 to 600 students
- Jordan Acres is fully renovated to eliminate open concept plan
- Hawthorne remains as Central Offices or is moved to another location

Elementary School Options

Option 2A

- Three Elementary Schools
 - Jordan Acres School – Kindergarten, 180 to 200 students
 - Coffin School - Grades 1-2, 360 to 400 students
 - Stowe School – Grades 3-5, 540 to 600 students
- Jordan Acres is minimally renovated and keeps open concept plan
- Hawthorne remains as Central Offices or is moved to another location

Elementary School Options

Option 2B

- Four Elementary Schools
 - Jordan Acres School – Kindergarten, 180 to 200 students
 - Coffin School - Grades 1-2, 280 to 320 students
 - Stowe School – Grades 3-5, 420 to 480 students
 - Hawthorne - “Choice” School, Grades 1-5, 200 students
- Jordan Acres is minimally renovated and keeps open concept plan
- Central Offices moved to another location

Elementary School Options

Option 3

- Keeps Two Elementary Schools
 - Coffin Elementary School – Grades K-2, 540 to 600 students
 - Stowe Elementary School – Grades 3-5, 540 to 600 students
- Jordan Acres permanently closed
- Hawthorne remains as Central Offices or is moved to another location

Elementary School Options

Option 3A

- Three Elementary Schools
 - Coffin School – Grades K-2, 540 to 600 students
 - Stowe School – Grades 3-5, 540 to 600 students
 - Hawthorne - “Choice” School, Grades 1-5, 200 students
- Jordan Acres permanently closed
- Central Offices moved to another location

Elementary School Options

Estimate of Probable Costs

- Option 1: \$11,296,000
- Option 1A: \$12,831,000
- Option 1B: \$13,691,200
- Option 2: \$12,311,000
- Option 2A: \$10,776,000
- Option 2B: \$13,615,200
- Option 3: \$ 8,270,000
- Option 3A: \$11,139,200

Elementary School Options

Additional Cost Considerations

- Fewer schools reduces overall staff, busing and operating costs
- Larger schools are more efficient to operate than smaller schools
- Estimated cost to reopen Jordan Acres without any renovations - \$2,600,000
- Expenses to relocate and consolidate central offices