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## CAPITAL IMPROVEMENT PLAN 2008-2018

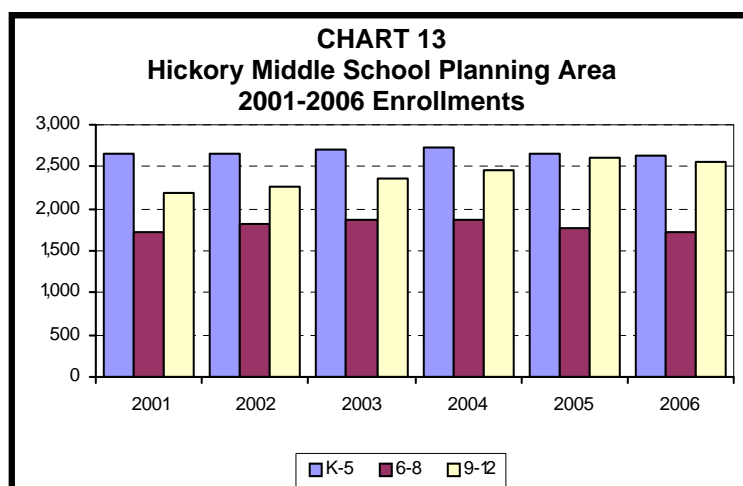
### Hickory Middle School and Hickory High School Planning Areas

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#### First Five-Year Planning Period - 2008 to 2013

#### BACKGROUND - 2001-2006

As shown in Chart 13 (right), enrollment has fluctuated at the elementary school level (Grades K-5) since 2001. At the middle school level (Grades 6-8) enrollment increased each year until 2005. At the high school level (Grades 9-12) enrollment has increased each year in the Hickory Middle School Planning Area until 2006. Residential development in the Hickory Middle School Planning Area progressed at a rapid rate at the beginning of the 2001-



2006 period and slowed to a more moderate rate at the end of the 2001-2006 planning period. More single family homes were constructed in this area over the five-year period than in any other middle school planning area. Since 2001, K-5 enrollment decreased by about 40 students, 6-8 enrollment increased by about 15 students, and 9-12 enrollment increased by about 360 students.

Current residential construction trends indicate that the Hickory Middle School Planning Area will continue as a primary focus for the construction of new single family homes in Chesapeake. There are approximately 525 home sites available<sup>1</sup> in the Hickory Middle School Planning Area (7/07). The majority of these potential home sites are in the Butts Road Primary/Intermediate and the Southeastern Elementary areas. It is anticipated that in the Butts Road Primary/Intermediate area, residential development will continue in the areas north of Etheridge Manor Boulevard and in the areas around Butts Road Primary School and Butts Road Intermediate School. In the Southeastern Elementary area, residential development will continue to expand in the area south of Etheridge Manor Boulevard. Additionally, the Edinburgh development (located across

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<sup>1</sup>These home sites are located in approved developments which are already under construction, or in which site work has begun, or in which it is probable that site work will begin within the 2008-2013 five-year planning period.

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from Southeastern Elementary School on the west side of Battlefield Boulevard South) originally rezoned for residential use in 1989 is now under construction. The Edinburgh development will contain several mixed uses including about 250 single family homes, office, and retail/commercial uses. As of Summer 2007, approximately 21 percent of the residential development has been completed.

The amount of residential construction that has occurred in the Hickory Middle School Planning Area has caused overcrowding at all levels. Butts Road Primary School, Southeastern Elementary School, Hickory Middle School and Hickory High School are overcrowded and require portable classrooms. Hickory Elementary School and Butts Road Intermediate School have limited classroom space available.

**THE PLAN FOR 2008-2013**

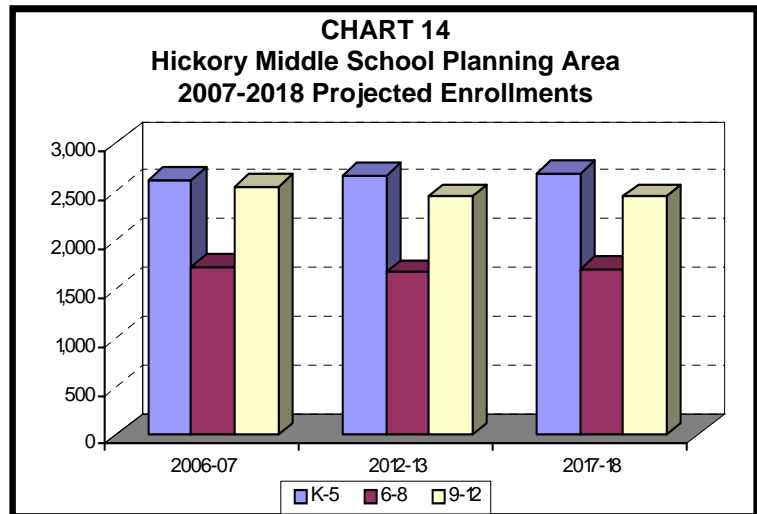
**MAJOR COMPONENTS OF THE 2008-2013 PLAN**

- (1) Design and construct an additional middle school to relieve overcrowding at Hickory Middle School and possibly at Great Bridge Middle School. The site owned by the School Board on Elbow Road/Centerville Turnpike North would be utilized.**

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**Background to the 2008-2013 Plan**

In 2001, around 270 single family homes were constructed in the Hickory Middle School Planning Area. From 2002 thru 2004, the number of single family homes constructed decreased to about 240 homes each year. In 2005, the number of single family homes constructed increased to about 260 and in 2006 the number of single family homes constructed decreased to about 195. All of the 525 home sites available in the Hickory Middle School Planning Area are for single family homes. As noted in previous



revisions to the capital improvement plan, any personnel or housing changes at the Naval Support Activity Northwest Annex would have an impact on Hickory Elementary School and Hickory Middle School. High school students from the Northwest Annex began attending Grassfield High School in September 2007. According to the administration at the Northwest Annex, the military is in the process of converting its housing program from the federal government to the private sector. Currently, most of the existing housing has been demolished and new units are being constructed. Once those units have been completed, the remaining existing units will be demolished and replaced. The new housing is anticipated to be available by Winter 2008. Based on the current schedule, Hickory Elementary School and Hickory Middle School will continue to lose the majority of the student populations that come from the Annex for a portion of the 2007-08 school year (at a minimum). Since the housing stock will be replaced the following year, the overall impact to the Hickory Middle School Planning Area for the five-year planning period will be minimal. Additionally, any developments regarding the expansion or closure of Naval Air Station Oceana as well as the future of Fentress Air Field will be monitored closely. Because of the continued growth and the number of single family home sites available in this middle school planning area, the data in Chart 14 (above) indicate that future enrollment increases in the Hickory Middle School Planning Area are expected to be slow at the elementary school level (Grades K-5). Based on current demographics it is anticipated that there will be a decrease in enrollment at the middle school level (Grades 6-8) and at the high school level (Grades 9-12) over the next five-year planning period (2008-2013).

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The data in Table 19 (below) indicate that additional permanent classroom space is required at all levels (Grades K-12). It is important to note that Southeastern Elementary School and Butts Road Primary School already require portable classrooms. The need for a limited number of additional portable classrooms at the elementary school level will be necessary as new homes are built and demographics change. Hickory Middle School is currently over capacity and requires 29 portable classrooms (26 instructional and 3 non-instructional). Additional permanent classroom space is required to house the existing student population. At the high school level (Grades 9-12) relief has been provided with the opening of Grassfield High School, however, additional relief will be necessary. It is anticipated that additional relief will be provided with the opening of the city's eighth high school located in the Elbow Road/Centerville Turnpike North area at the end of the first five-year planning period (2008-2013).

**TABLE 19  
Summary of Classroom Space Needs  
Hickory Middle School Planning Area  
2008-2013**

	K-5 <u>Elementary</u>	6-8 <u>Middle</u>	9-12 <u>High</u>
Projected Student Changes <sup>1</sup>	40	-60	-110
Portable Units <sup>2</sup> in Place 9/07	7	29	20
Range of Spaces Needed <sup>3, 4</sup>	0 to 100	200 to 300	150 to 250

**The Plan for 2008-2013**

Additional permanent classroom space is needed at the middle (Grades 6-8) and high (Grades 9-12) school levels during the 2008-2013 five-year planning period.

1. Elementary School Level, Grades K-5

Capital improvements are recommended in the second five-year planning period (2013-2018) to provide additional permanent classroom space for students in Grades K-5. See page 70 for additional information.

<sup>1</sup>The student enrollment changes presented in Table 19 are the result of new residential development and demographic changes in existing neighborhoods.

<sup>2</sup>These figures include instructional and non-instructional portable classrooms.

<sup>3</sup>The number of additional instructional spaces needed at each grade level (elementary, middle, and high) is estimated by using the following formula: (current enrollment + projected students) - operational capacity of each school within a planning area = the number of additional instructional spaces needed.

<sup>4</sup>"The Range of Spaces Needed" reflects a K-5, 6-8, 9-12 grade alignment.

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2. Middle School Level, Grades 6-8

It is anticipated that residential development will continue in the Hickory Middle School Planning Area. Hickory Middle School currently requires 26 portable classrooms for instructional purposes. Additional permanent classroom space will be needed to house the existing student population and any additional enrollment increases that may occur at the middle school level by the end of the first five-year planning period (2008-2013). This additional middle school may also provide relief to Great Bridge Middle School. See plans for the Great Bridge Middle School Planning Area.

Design and construct an additional middle school to relieve overcrowding at Hickory Middle School. The site owned by the School Board on Elbow Road/Centerville Turnpike North would be utilized.

3. High School Level, Grades 9-12

Grassfield High School has provided relief to Hickory High School. It is important to note, that growth will continue (although at a slower pace) and that additional relief will be provided with the opening of the city's eighth high school located in the Elbow Road/Centerville Turnpike North area. The eighth high school is currently scheduled to open at the end of the first five-year planning period (2008-2013). See the plans for the Indian River High School Planning Area and the Oscar Smith High School Planning Area.

**TABLE 20  
Project Summary<sup>1</sup>  
Hickory Middle School Planning Area  
2008-2013**

Project					
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
<u>Middle School</u> . To provide relief to Hickory Middle School		D	C		Open

<sup>1</sup>A "D" designates the year in which architectural/engineering design funds are requested. A "C" designates the year in which construction funds are requested.

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**Second Five-Year Planning Period – 2013 to 2018**

**THE PLAN FOR 2013-2018**

Enrollment in the Hickory Middle School Planning area is projected to increase at a slow pace at the elementary school level (Grades K-5) and the middle school level (Grades 6-8) while remaining stable at the high school level (Grades 9-12). As indicated in Table 21 (below) the continued residential growth in the Hickory Middle School Planning Area, along with demographic changes, will still result in the need for additional permanent classroom space at all levels (Grades K-12).

**TABLE 21  
Summary of Classroom Space Needs  
Hickory Middle School Planning Area  
2013-2018**

	K-5 <u>Elementary</u>	6-8 <u>Middle</u>	9-12 <u>High</u>
Additional Students Projected <sup>1</sup>	20	30	0
Range of Spaces Needed 2008-2018 <sup>2</sup>	20 to 120	230 to 330	150 to 250

**The Plan for 2013-2018**

1. Elementary School Level, Grades K-5

Provide additional permanent elementary classroom space. Currently, there is no permanent classroom space available at Southeastern Elementary School or at Butts Road Primary School, and portable classrooms are required. Additionally, a majority of the classroom space at Hickory Elementary School and Butts Road Intermediate School is currently being utilized.

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<sup>1</sup>Represents the number of students projected for the second five-year planning period (2013-2018) and is in addition to the number of students projected for the 2008-2013 planning period.

<sup>2</sup>The "Range of Spaces Needed" (1) reflects a K-5, 6-8, 9-12 grade alignment, (2) represents the total number of spaces needed for the ten-year (2008-2018) planning period, and (3) is presented as if none of the unfunded projects requested for the first five-year planning period (2008-2013) have been completed.

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An additional elementary school, primarily intended for students in Grades K-5 in the Southeastern Elementary School area will likely be needed to provide additional permanent classroom space. This school may also provide relief to the Cedar Road Elementary and the Great Bridge Primary/Intermediate areas depending upon the school's location. See the plans for the Great Bridge Middle School Planning Area. It is important to note, if development progresses more slowly than currently anticipated, this project may be delayed.

Design and construct an additional elementary school in the Southeastern Elementary School area.

2. Middle School Level, Grades 6-8

No changes are proposed to the 2008-2013 plan at this time.

3. High School Level, Grades 9-12

No changes are proposed to the 2008-2013 plan at this time.

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**TABLE 22  
Project Summary<sup>1</sup>  
Hickory Middle School Planning Area  
2013-2018**

Project					
	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
<u>Elementary School</u> , Southeastern Elementary School area		D	C		Open

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<sup>1</sup>A "D" designates the year in which architectural/engineering funds are requested. A "C" designates the year in which construction funds are requested.