



# **Frederick County Public Schools, VA Rezoning Study**

## **Meeting 2 Option Analysis**

**Cropper** GIS

**2018-19 Middle School Enrollment Statistics**

Middle School	2018-19 Capacity	Total Enrolled	MS Option 1 Estimated Enrollment <sup>1</sup>	MS Option 2 Estimated Enrollment <sup>1</sup>	MS Option 3 Estimated Enrollment <sup>1</sup>	MS Option 4 Estimated Enrollment <sup>1</sup>
Admiral R. E. Byrd MS	900	970	953	953	953	953
Frederick County MS	900	713	854	857	889	853
James Wood MS	900	953	811	808	776	812
R. E. Aylor MS	720	609	627	627	627	627
<b>Total</b>	<b>3420</b>	<b>3245</b>	<b>3245</b>	<b>3245</b>	<b>3245</b>	<b>3245</b>

Student counts are based on the 9/14/2018 FCPS student database.

<sup>1</sup> Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the 6-8th grade live-in totals within each option.

**2018-19 Middle School Utilization Statistics**

Middle School	2018-19 Capacity	Enrolled Utilization	MS Option 1 Estimated Utilization	MS Option 2 Estimated Utilization	MS Option 3 Estimated Utilization	MS Option 4 Estimated Utilization
Admiral R. E. Byrd MS	900	108%	106%	106%	106%	106%
Frederick County MS	900	79%	95%	95%	99%	95%
James Wood MS	900	106%	90%	90%	86%	90%
R. E. Aylor MS	720	85%	87%	87%	87%	87%
<b>Total</b>	<b>3420</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>

Student counts are based on the 9/14/2018 FCPS student database.

<sup>1</sup> Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the 6-8th grade live-in totals within each option.

**2018-19 Middle School Free and Reduced Lunch Statistics**

Middle School	Enrolled		MS Option 1		MS Option 2	
	Free or Reduced Meals %	Non-Free or Reduced Meals %	Free or Reduced Meals %	Non-Free or Reduced Meals %	Free or Reduced Meals %	Non-Free or Reduced Meals %
Admiral R. E. Byrd MS	31%	69%	31%	69%	31%	69%
Frederick County MS	38%	62%	38%	62%	38%	62%
James Wood MS	46%	54%	47%	53%	47%	53%
R. E. Aylor MS	38%	62%	39%	61%	39%	61%
<b>Total</b>	<b>38%</b>	<b>62%</b>	<b>38%</b>	<b>62%</b>	<b>38%</b>	<b>62%</b>

Student counts are based on the 9/14/2018 FCPS student database.

Middle School	Enrolled		MS Option 3		MS Option 4	
	Free or Reduced Meals %	Non-Free or Reduced Meals %	Free or Reduced Meals %	Non-Free or Reduced Meals %	Free or Reduced Meals %	Non-Free or Reduced Meals %
Admiral R. E. Byrd MS	31%	69%	31%	69%	31%	69%
Frederick County MS	38%	62%	38%	62%	35%	65%
James Wood MS	46%	54%	47%	53%	50%	50%
R. E. Aylor MS	38%	62%	39%	61%	39%	61%
<b>Total</b>	<b>38%</b>	<b>62%</b>	<b>38%</b>	<b>62%</b>	<b>38%</b>	<b>62%</b>

Student counts are based on the 9/14/2018 FCPS student database.

<sup>1</sup> Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the 6-8th grade live-in totals within each option.

**2018-19 Middle School Race and Ethnicity Statistics**

Middle School	Enrolled				MS Option 1 Estimated Enrollment <sup>1</sup>				MS Option 2 Estimated Enrollment <sup>1</sup>			
	Percent Black	Percent White	Percent Hispanic	Percent Other	Percent Black	Percent White	Percent Hispanic	Percent Other	Percent Black	Percent White	Percent Hispanic	Percent Other
Admiral R. E. Byrd MS	6%	68%	18%	8%	6%	68%	18%	9%	6%	68%	18%	9%
Frederick County MS	2%	87%	8%	4%	2%	85%	9%	4%	2%	84%	10%	4%
James Wood MS	5%	59%	27%	8%	6%	56%	29%	9%	6%	57%	29%	8%
R. E. Aylor MS	4%	76%	14%	6%	4%	75%	14%	6%	4%	75%	14%	6%
<b>Total</b>	<b>5%</b>	<b>71%</b>	<b>18%</b>	<b>7%</b>	<b>5%</b>	<b>71%</b>	<b>18%</b>	<b>7%</b>	<b>5%</b>	<b>71%</b>	<b>18%</b>	<b>7%</b>

Student counts are based on the 9/14/2018 FCPS student database.

Middle School	Enrolled				MS Option 3 Estimated Enrollment <sup>1</sup>				MS Option 4 Estimated Enrollment <sup>1</sup>			
	Percent Black	Percent White	Percent Hispanic	Percent Other	Percent Black	Percent White	Percent Hispanic	Percent Other	Percent Black	Percent White	Percent Hispanic	Percent Other
Admiral R. E. Byrd MS	6%	68%	18%	8%	6%	68%	18%	9%	6%	68%	18%	9%
Frederick County MS	2%	87%	8%	4%	2%	84%	9%	4%	2%	86%	8%	5%
James Wood MS	5%	59%	27%	8%	6%	55%	30%	8%	6%	55%	31%	8%
R. E. Aylor MS	4%	76%	14%	6%	4%	75%	14%	6%	4%	75%	14%	6%
<b>Total</b>	<b>5%</b>	<b>71%</b>	<b>18%</b>	<b>7%</b>	<b>5%</b>	<b>71%</b>	<b>18%</b>	<b>7%</b>	<b>5%</b>	<b>71%</b>	<b>18%</b>	<b>7%</b>

Student counts are based on the 9/14/2018 FCPS student database.

<sup>1</sup> Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the 6-8th grade live-in totals within each option.



**Middle School Option Impacts**

Option	Total 6-8th Live-In Students Impacted
Option 1	135
Option 2	138
Option 3	170
Option 4	134

MS Zone 2018-19	MS Option 1 Zone	Total 6-8th Live In Students
Admiral R. E. Byrd MS	Admiral R. E. Byrd MS	953
Frederick County MS	Frederick County MS	713
James Wood MS	Frederick County MS	135
James Wood MS	James Wood MS	806
R. E. Aylor MS	R. E. Aylor MS	622

MS Zone 2018-19	MS Option 2 Zone	Total 6-8th Live In Students
Admiral R. E. Byrd MS	Admiral R. E. Byrd MS	953
Frederick County MS	Frederick County MS	713
James Wood MS	Frederick County MS	138
James Wood MS	James Wood MS	803
R. E. Aylor MS	R. E. Aylor MS	622

MS Zone 2018-19	MS Option 3 Zone	Total 6-8th Live In Students
Admiral R. E. Byrd MS	Admiral R. E. Byrd MS	953
Frederick County MS	Frederick County MS	713
James Wood MS	Frederick County MS	170
James Wood MS	James Wood MS	771
R. E. Aylor MS	R. E. Aylor MS	622

MS Zone 2018-19	MS Option 4 Zone	Total 6-8th Live In Students
Admiral R. E. Byrd MS	Admiral R. E. Byrd MS	953
Frederick County MS	Frederick County MS	713
James Wood MS	Frederick County MS	134
James Wood MS	James Wood MS	807
R. E. Aylor MS	R. E. Aylor MS	622

**ES to MS Feeder Pattern**

2018-19 ES Zone	2018-19 MS Zone	Total K-5th Live-In	ES Attendance
Apple Pie Ridge ES	Frederick County MS	207	53%
Apple Pie Ridge ES	James Wood MS	186	47%
Armel ES	Admiral R. E. Byrd MS	628	100%
Bass-Hoover ES	R. E. Aylor MS	600	100%
Evendale ES	Admiral R. E. Byrd MS	516	100%
Gainesboro ES	Frederick County MS	429	100%
Greenwood Mill ES	Admiral R. E. Byrd MS	381	63%
Greenwood Mill ES	James Wood MS	225	37%
Indian Hollow ES	Frederick County MS	430	95%
Indian Hollow ES	R. E. Aylor MS	24	5%
Middletown ES	R. E. Aylor MS	497	100%
Orchard View ES	Admiral R. E. Byrd MS	183	43%
Orchard View ES	Frederick County MS	88	20%
Orchard View ES	James Wood MS	142	33%
Orchard View ES	R. E. Aylor MS	17	4%
Redbud Run ES	James Wood MS	694	100%
Stonewall ES	James Wood MS	668	100%

2018-19 ES Zone	MS Option 1 Zone	Total K-5th Live-In	ES Attendance
Apple Pie Ridge ES	Frederick County MS	332	84%
Apple Pie Ridge ES	James Wood MS	61	16%
Armel ES	Admiral R. E. Byrd MS	628	100%
Bass-Hoover ES	R. E. Aylor MS	600	100%
Evendale ES	Admiral R. E. Byrd MS	516	100%
Gainesboro ES	Frederick County MS	429	100%
Greenwood Mill ES	Admiral R. E. Byrd MS	381	63%
Greenwood Mill ES	James Wood MS	225	37%
Indian Hollow ES	Frederick County MS	430	95%
Indian Hollow ES	R. E. Aylor MS	24	5%
Middletown ES	R. E. Aylor MS	497	100%
Orchard View ES	Admiral R. E. Byrd MS	183	43%
Orchard View ES	Frederick County MS	88	20%
Orchard View ES	James Wood MS	142	33%
Orchard View ES	R. E. Aylor MS	17	4%
Redbud Run ES	James Wood MS	694	100%
Stonewall ES	Frederick County MS	132	20%
Stonewall ES	James Wood MS	536	80%

**ES to MS Feeder Pattern (Continued)**

2018-19 ES Zone	MS Option 2 Zone	Total K-5th Live-In	ES Attendance
Apple Pie Ridge ES	Frederick County MS	332	84%
Apple Pie Ridge ES	James Wood MS	61	16%
Armel ES	Admiral R. E. Byrd MS	628	100%
Bass-Hoover ES	R. E. Aylor MS	600	100%
Evendale ES	Admiral R. E. Byrd MS	516	100%
Gainesboro ES	Frederick County MS	429	100%
Greenwood Mill ES	Admiral R. E. Byrd MS	381	63%
Greenwood Mill ES	James Wood MS	225	37%
Indian Hollow ES	Frederick County MS	430	95%
Indian Hollow ES	R. E. Aylor MS	24	5%
Middletown ES	R. E. Aylor MS	497	100%
Orchard View ES	Admiral R. E. Byrd MS	183	43%
Orchard View ES	Frederick County MS	230	53%
Orchard View ES	R. E. Aylor MS	17	4%
Redbud Run ES	James Wood MS	694	100%
Stonewall ES	James Wood MS	668	100%

2018-19 ES Zone	MS Option 3 Zone	Total K-5th Live-In	ES Attendance
Apple Pie Ridge ES	Frederick County MS	332	84%
Apple Pie Ridge ES	James Wood MS	61	16%
Armel ES	Admiral R. E. Byrd MS	628	100%
Bass-Hoover ES	R. E. Aylor MS	600	100%
Evendale ES	Admiral R. E. Byrd MS	516	100%
Gainesboro ES	Frederick County MS	429	100%
Greenwood Mill ES	Admiral R. E. Byrd MS	381	63%
Greenwood Mill ES	James Wood MS	225	37%
Indian Hollow ES	Frederick County MS	430	95%
Indian Hollow ES	R. E. Aylor MS	24	5%
Middletown ES	R. E. Aylor MS	497	100%
Orchard View ES	Admiral R. E. Byrd MS	183	43%
Orchard View ES	Frederick County MS	88	20%
Orchard View ES	James Wood MS	142	33%
Orchard View ES	R. E. Aylor MS	17	4%
Redbud Run ES	James Wood MS	694	100%
Stonewall ES	Frederick County MS	203	30%
Stonewall ES	James Wood MS	465	70%

**ES to MS Feeder Pattern (Continued)**

2018-19 ES Zone	MS Option 4 Zone	Total K-5th Live-In	ES Attendance
Apple Pie Ridge ES	Frederick County MS	207	53%
Apple Pie Ridge ES	James Wood MS	186	47%
Armel ES	Admiral R. E. Byrd MS	628	100%
Bass-Hoover ES	R. E. Aylor MS	600	100%
Evendale ES	Admiral R. E. Byrd MS	516	100%
Gainesboro ES	Frederick County MS	429	100%
Greenwood Mill ES	Admiral R. E. Byrd MS	381	63%
Greenwood Mill ES	James Wood MS	225	37%
Indian Hollow ES	Frederick County MS	430	95%
Indian Hollow ES	R. E. Aylor MS	24	5%
Middletown ES	R. E. Aylor MS	497	100%
Orchard View ES	Admiral R. E. Byrd MS	183	43%
Orchard View ES	Frederick County MS	230	53%
Orchard View ES	R. E. Aylor MS	17	4%
Redbud Run ES	James Wood MS	694	100%
Stonewall ES	Frederick County MS	119	18%
Stonewall ES	James Wood MS	549	82%

**MS to HS Feeder Pattern**

2018-19 MS Zone	2018-19 HS Zone	Total 6-8th Live-In	ES Attendance
Admiral R. E. Byrd MS	Millbrook High School	518	54%
Admiral R. E. Byrd MS	Sherando High School	435	46%
Frederick County MS	James Wood High School	713	100%
James Wood MS	James Wood High School	286	30%
James Wood MS	Millbrook High School	601	64%
James Wood MS	Sherando High School	54	6%
R. E. Aylor MS	Sherando High School	622	100%

MS Option 1 Zone	2018-19 HS Zone	Total 6-8th Live-In	ES Attendance
Admiral R. E. Byrd MS	Millbrook High School	518	54%
Admiral R. E. Byrd MS	Sherando High School	435	46%
Frederick County MS	James Wood High School	848	100%
James Wood MS	James Wood High School	151	19%
James Wood MS	Millbrook High School	601	75%
James Wood MS	Sherando High School	54	7%
R. E. Aylor MS	Sherando High School	622	100%

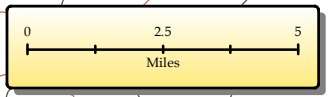
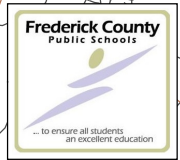
MS Option 2 Zone	2018-19 HS Zone	Total 6-8th Live-In	ES Attendance
Admiral R. E. Byrd MS	Millbrook High School	518	54%
Admiral R. E. Byrd MS	Sherando High School	435	46%
Frederick County MS	James Wood High School	797	94%
Frederick County MS	Sherando High School	54	6%
James Wood MS	James Wood High School	202	25%
James Wood MS	Millbrook High School	601	75%
R. E. Aylor MS	Sherando High School	622	100%

**MS to HS Feeder Pattern (Continued)**

MS Option 3 Zone	2018-19 HS Zone	Total 6-8th Live-In	ES Attendance
Admiral R. E. Byrd MS	Millbrook High School	518	54%
Admiral R. E. Byrd MS	Sherando High School	435	46%
Frederick County MS	James Wood High School	883	100%
James Wood MS	James Wood High School	116	15%
James Wood MS	Millbrook High School	601	78%
James Wood MS	Sherando High School	54	7%
R. E. Aylor MS	Sherando High School	622	100%

MS Option 4 Zone	2018-19 HS Zone	Total 6-8th Live-In	ES Attendance
Admiral R. E. Byrd MS	Millbrook High School	518	54%
Admiral R. E. Byrd MS	Sherando High School	435	46%
Frederick County MS	James Wood High School	793	94%
Frederick County MS	Sherando High School	54	6%
James Wood MS	James Wood High School	206	26%
James Wood MS	Millbrook High School	601	74%
R. E. Aylor MS	Sherando High School	622	100%

# Frederick County Public Schools, VA Elementary School Zones 2018-19



**Legend**

**School Type**

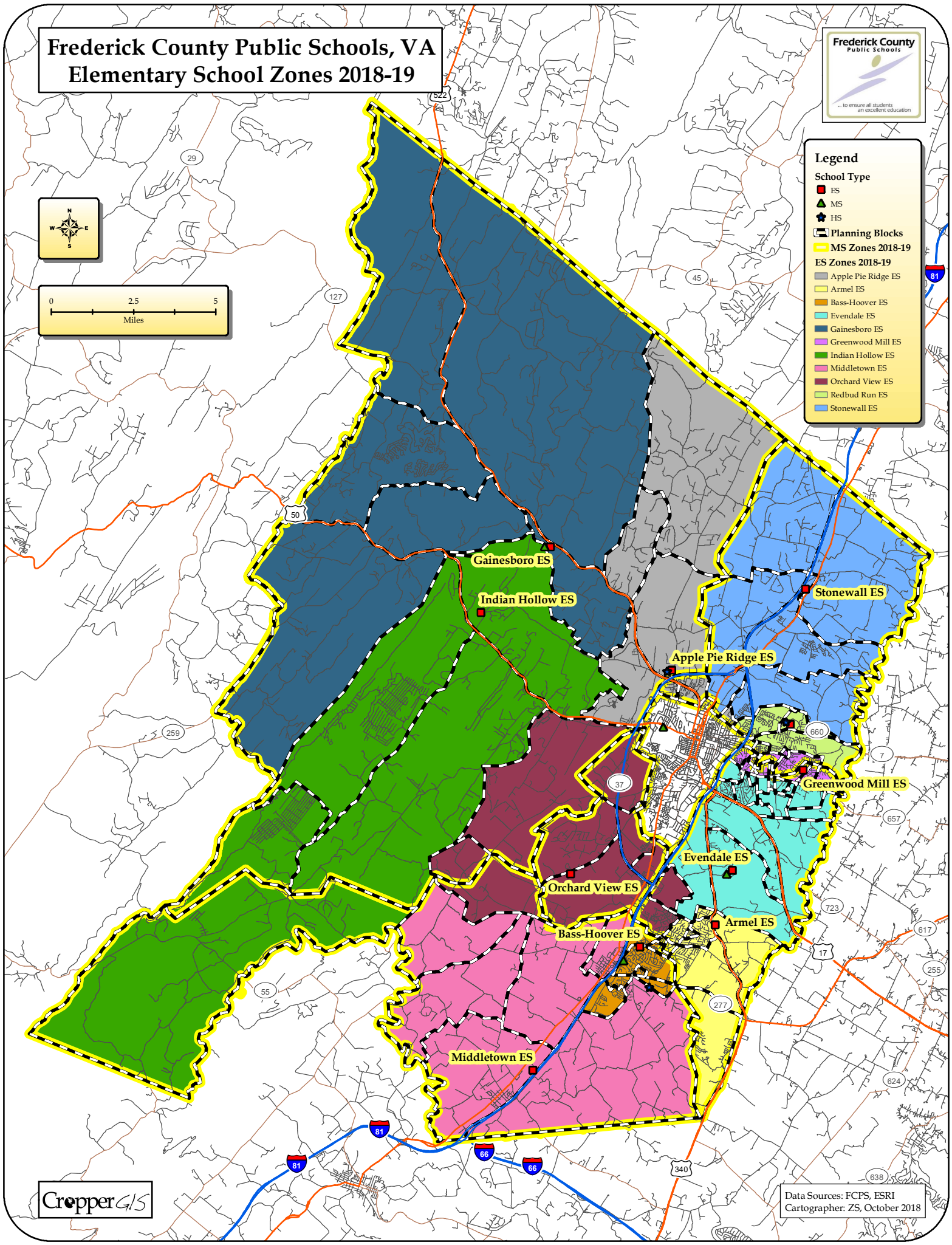
- ES (Red square)
- MS (Green triangle)
- HS (Black star)

**Planning Blocks**

- MS Zones 2018-19 (Yellow dashed line)
- ES Zones 2018-19 (Black dashed line)

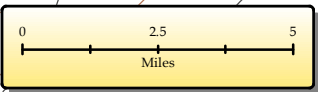
**ES Zones 2018-19**

- Apple Pie Ridge ES (Grey)
- Armel ES (Yellow)
- Bass-Hoover ES (Brown)
- Evendale ES (Cyan)
- Gainesboro ES (Dark Blue)
- Greenwood Mill ES (Purple)
- Indian Hollow ES (Green)
- Middletown ES (Pink)
- Orchard View ES (Maroon)
- Redbud Run ES (Light Green)
- Stonewall ES (Light Blue)





# Frederick County Public Schools, VA Middle School Zones 2018-19



**Legend**

**School Type**

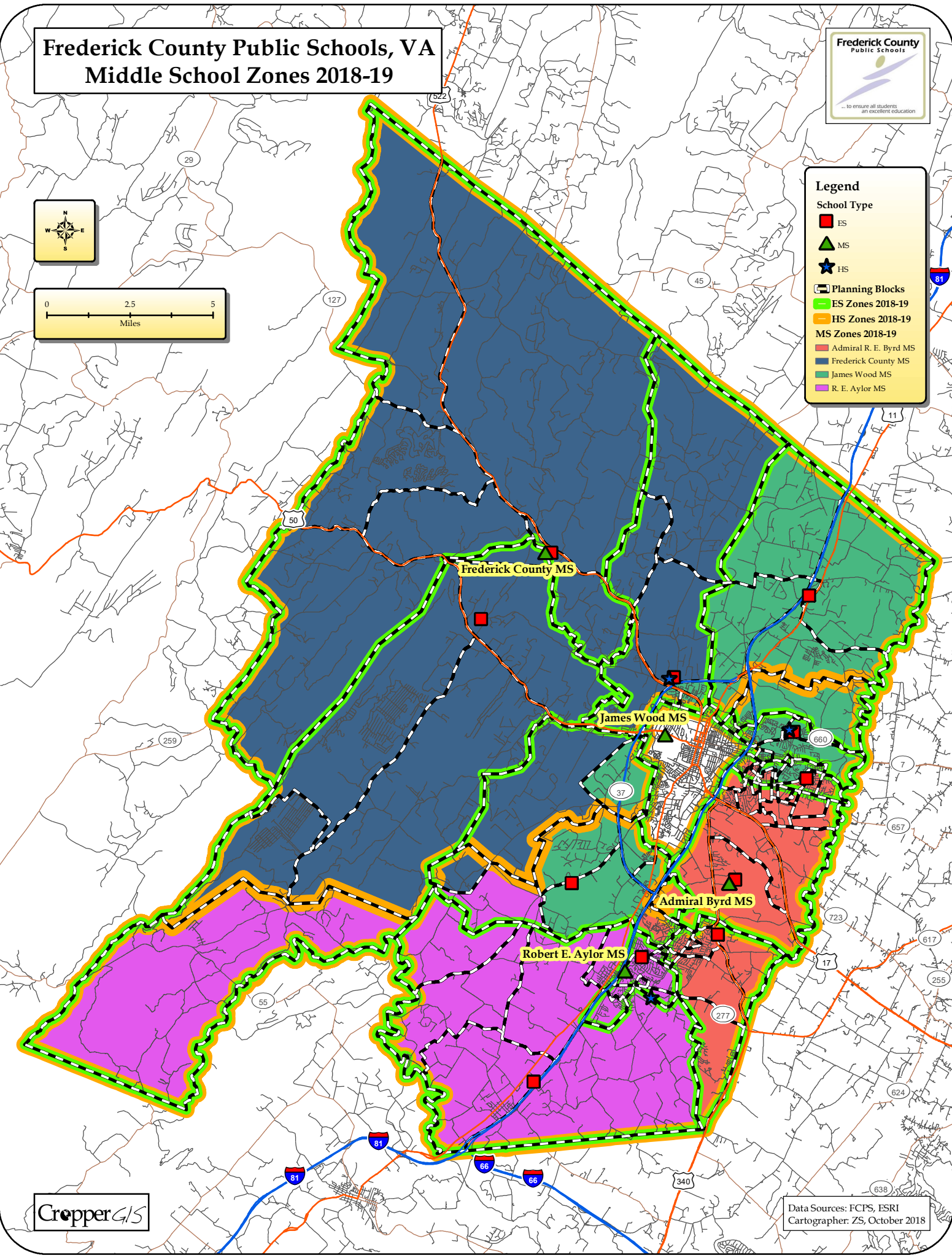
- ES
- ▲ MS
- ★ HS

**Planning Blocks**

- ES Zones 2018-19
- HS Zones 2018-19

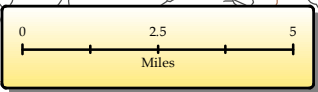
**MS Zones 2018-19**

- Admiral R. E. Byrd MS
- Frederick County MS
- James Wood MS
- R. E. Aylor MS





# Frederick County Public Schools, VA Middle School Option 1 DRAFT



**Legend**

**School Type**

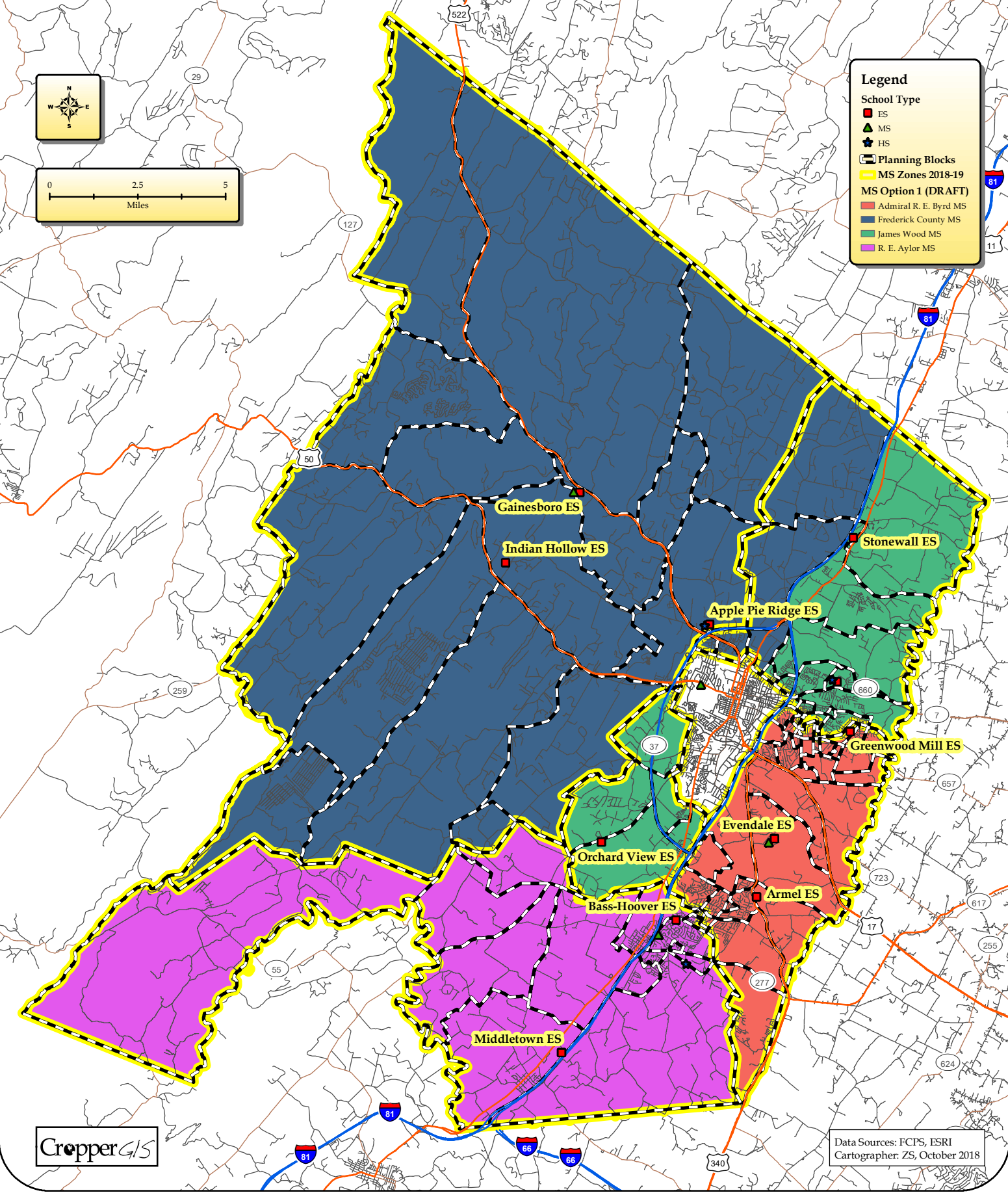
- ES (Elementary School) - Red square
- MS (Middle School) - Green triangle
- HS (High School) - Black star

**Planning Blocks**

- MS Zones 2018-19 - Dashed black line
- MS Option 1 (DRAFT) - Yellow dashed line

**MS Option 1 (DRAFT)**

- Admiral R. E. Byrd MS - Red area
- Frederick County MS - Blue area
- James Wood MS - Green area
- R. E. Aylor MS - Purple area

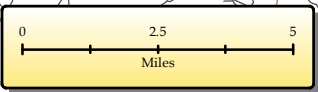


Data Sources: FCPS, ESRI  
Cartographer: ZS, October 2018

# Frederick County Public Schools, VA

## Middle School Option 2

### DRAFT



**Legend**

**School Type**

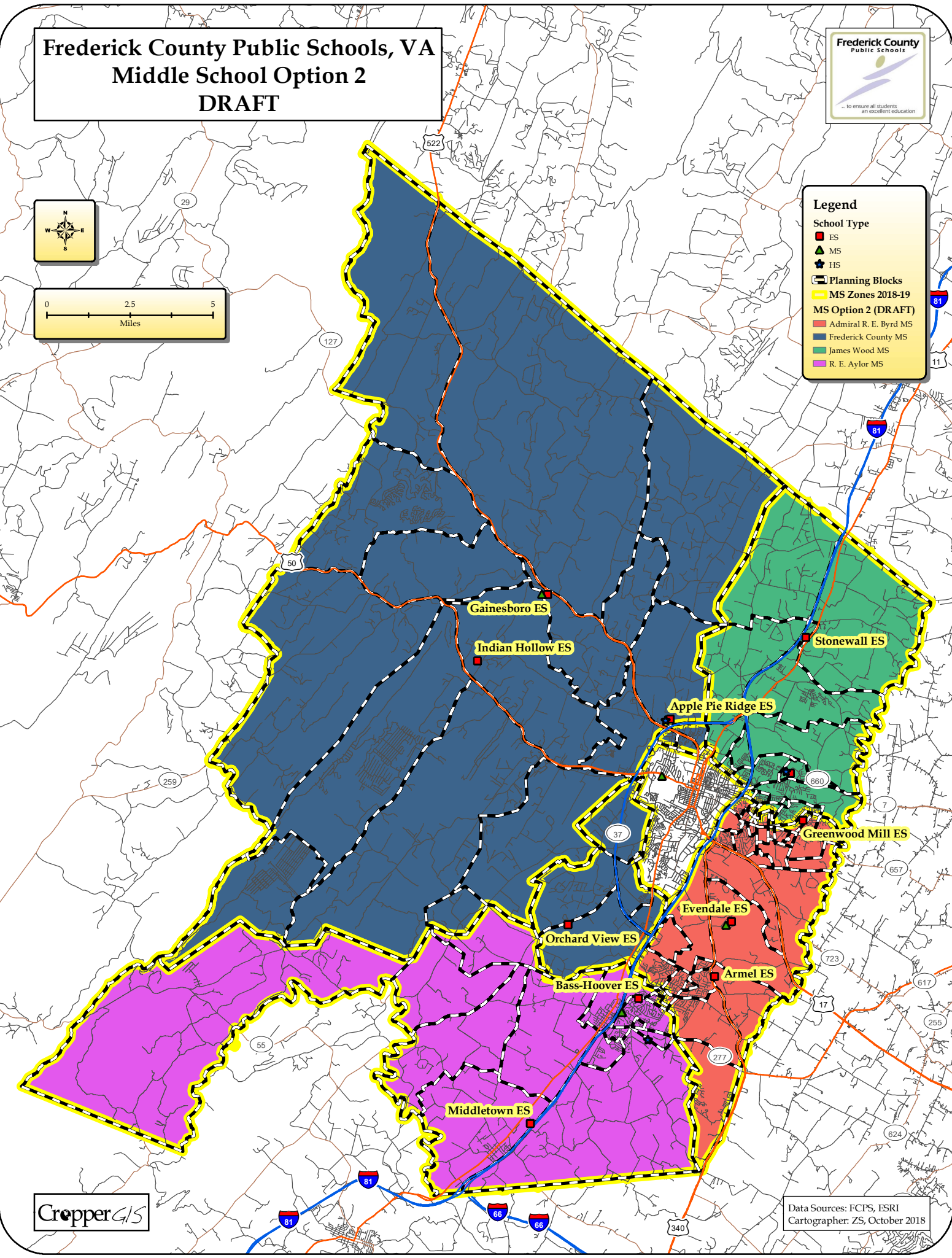
- ES (Elementary School) - Red square
- MS (Middle School) - Green triangle
- HS (High School) - Black star

**Planning Blocks**

- MS Zones 2018-19 - Dashed black line
- MS Option 2 (DRAFT) - Yellow dashed line

**MS Option 2 (DRAFT)**

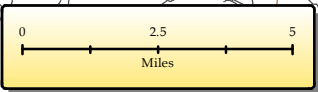
- Admiral R. E. Byrd MS - Red area
- Frederick County MS - Blue area
- James Wood MS - Green area
- R. E. Aylor MS - Purple area



Data Sources: FCPS, ESRI  
Cartographer: ZS, October 2018



# Frederick County Public Schools, VA Middle School Option 3 DRAFT



**Legend**

**School Type**

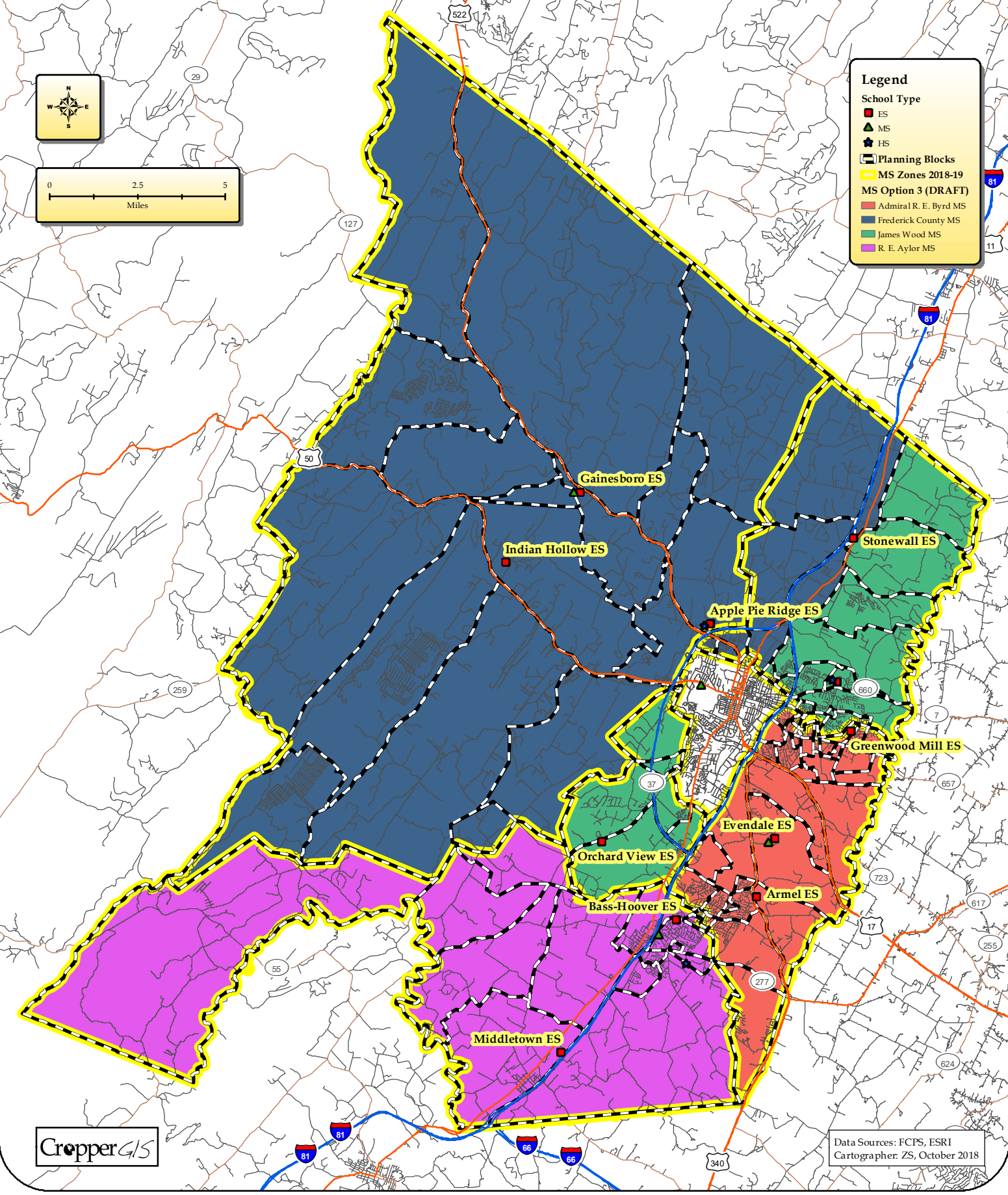
- ES (Elementary School) - Red square
- MS (Middle School) - Green triangle
- HS (High School) - Black star

**Planning Blocks**

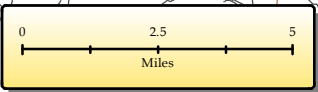
- MS Zones 2018-19 - Dashed black line
- MS Option 3 (DRAFT) - Yellow dashed line

**MS Option 3 (DRAFT)**

- Admiral R. E. Byrd MS - Red area
- Frederick County MS - Blue area
- James Wood MS - Green area
- R. E. Aylor MS - Purple area



# Frederick County Public Schools, VA Middle School Option 4 DRAFT



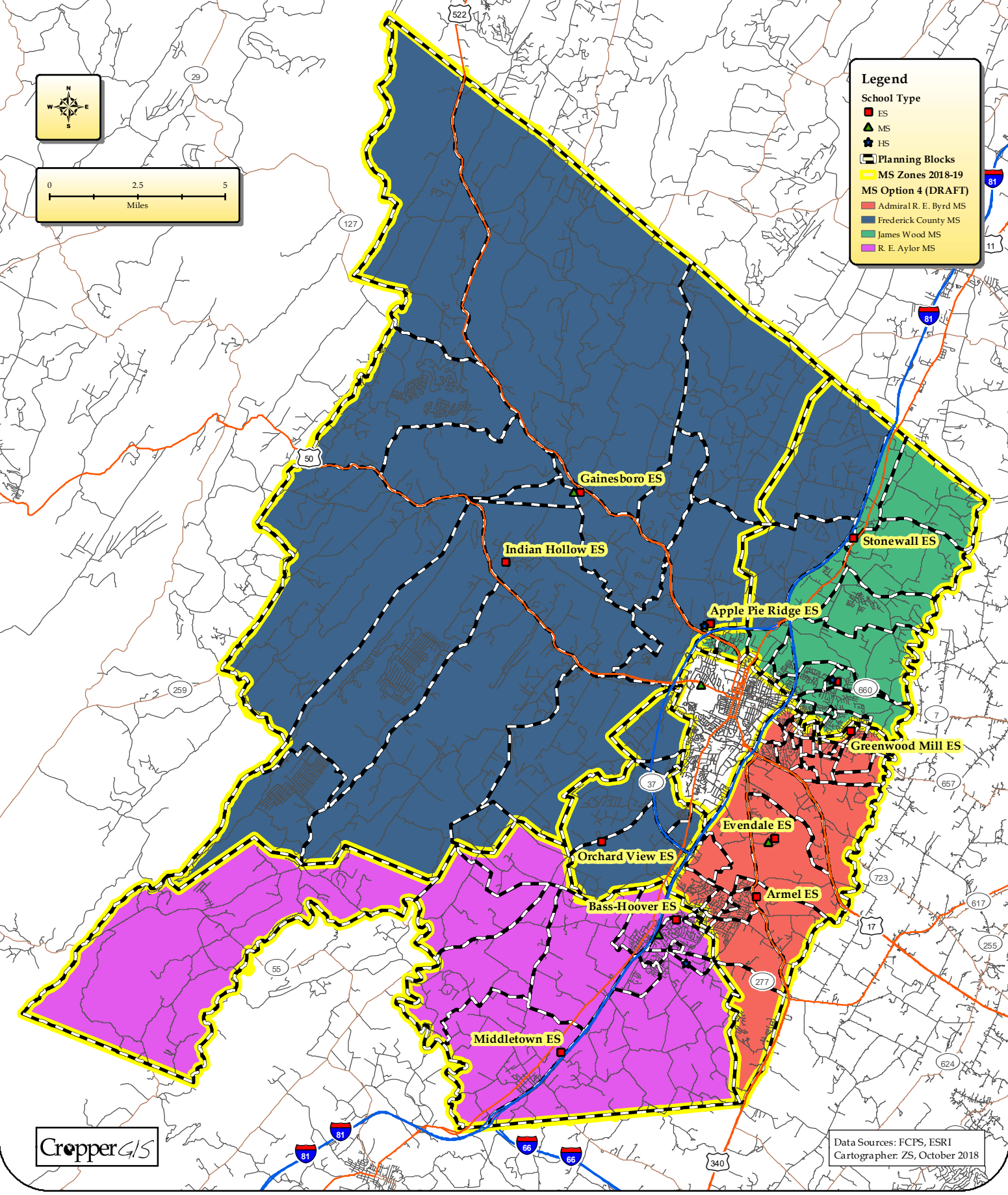
**Legend**

**School Type**

- ES (Elementary School) - Red square
- MS (Middle School) - Green triangle
- HS (High School) - Black star

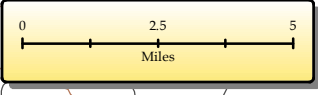
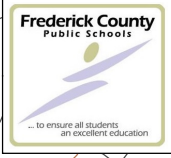
**Planning Blocks**

- MS Zones 2018-19 - Yellow dashed line
- MS Option 4 (DRAFT) - Blue shaded area
- Admiral R. E. Byrd MS - Red shaded area
- Frederick County MS - Blue shaded area
- James Wood MS - Green shaded area
- R. E. Aylor MS - Purple shaded area





# Frederick County Public Schools, VA High School Zones 2018-19



**Legend**

**School Type**

- ES (Elementary School) - Red square
- MS (Middle School) - Green triangle
- HS (High School) - Black star

**Planning Blocks**

- MS Zones 2018-19 - Yellow dashed line
- HS Zones 2018-19 - Black dashed line

**HS Zones 2018-19**

- James Wood High School - Green fill
- Millbrook High School - Pink fill
- Sherando High School - Orange fill

