



FACILITIES AND DEMOGRAPHICS STUDY 2020



M. B. Kahn

KAHN Construction Co., Inc.

Introduction

District Growth

Addressing Growth

Conclusion



THE STUDY TEAM

M. B. Kahn:

Over **90** years in business

Planning/design of over **1200** K-12 projects

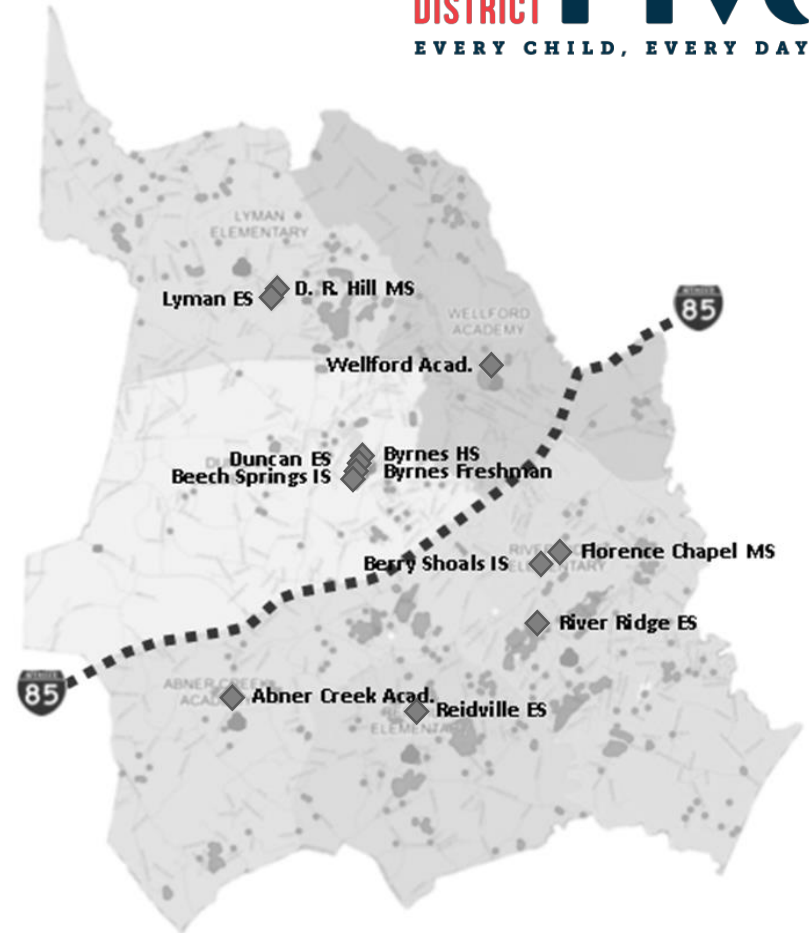
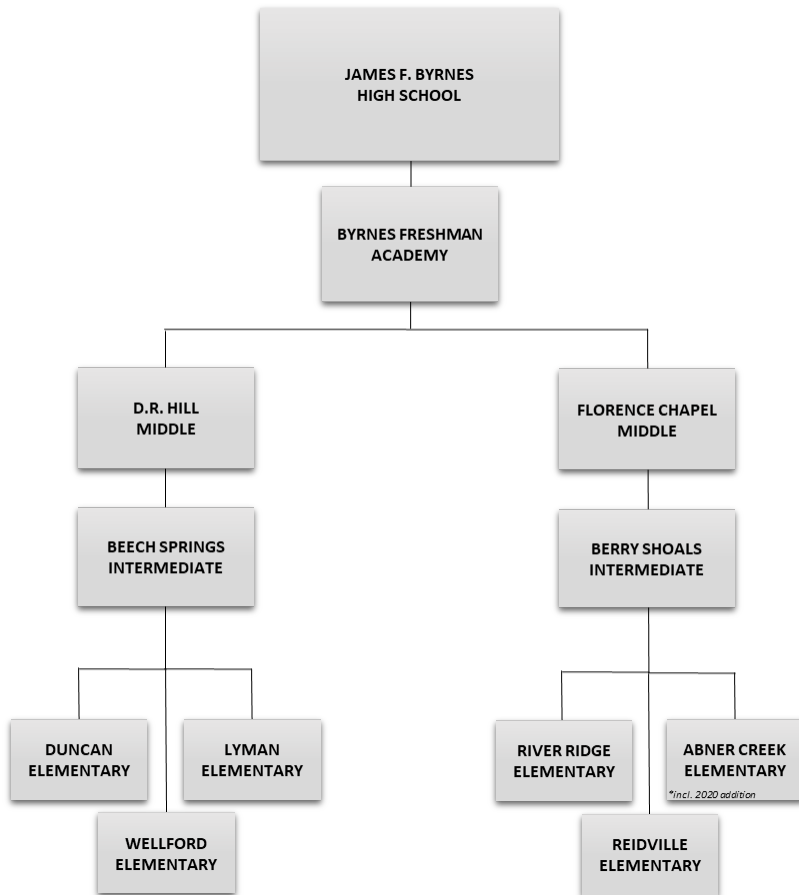
Constructed schools for over **65** Districts

H. Dale Holden & Associates:

M. B. Kahn partner for over **20** years

Conducted over **90** similar enrollment analyses







Agenda

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Enrollment Analysis

1. Population Trends

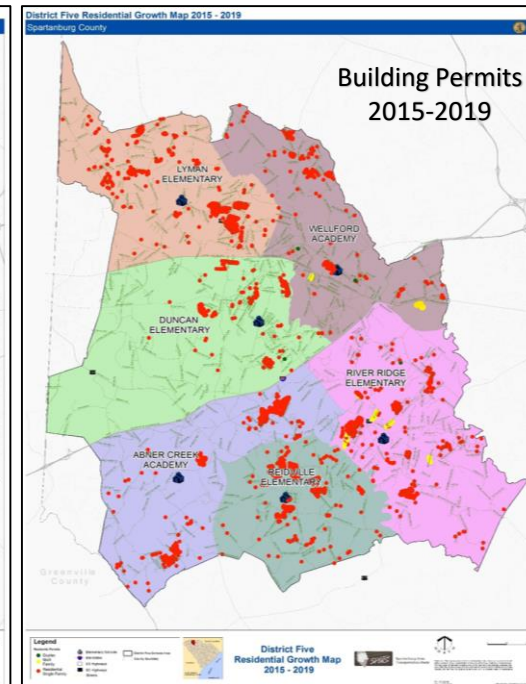
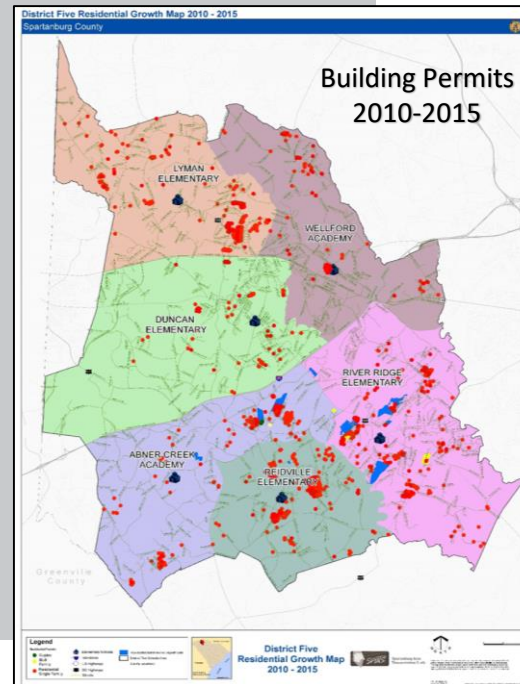
POPULATION OF SPARTANBURG COUNTY – ALL AGES				
YEAR 2000	YEAR 2010	YEAR 2015	YEAR 2019	YEAR 2024
253,791	284,307	295,663	320,379	339,835

POPULATION OF SPARTANBURG SCHOOL DISTRICT FIVE – ALL AGES				
YEAR 2000	YEAR 2010	YEAR 2015	YEAR 2019	YEAR 2024
32,189	41,867	44,257	50,355	54,665

SOURCE: U.S. Census Bureau & ESRI Business Analyst

Enrollment Analysis

1. Population Trends
2. Building Permit Data



SCHOOLS SOUTH OF I-85	2010-2014	2015-2019*	DIFFERENCE
ABNER CREEK ACADEMY	206	566	360
REIDVILLE ELEMENTARY	242	535	293
RIVER RIDGE ELEMENTARY	239	1,341	1,102
TOTALS	687	2,442	1,755

SCHOOLS NORTH OF I-85	2010-2014	2015-2019*	DIFFERENCE
DUNCAN ELEMENTARY	47	360	313
LYMAN ELEMENTARY	294	787	493
WELLFORD ACADEMY	58	1,062	1,004
TOTALS	399	2,209	1,810

TOTAL PERMITS ISSUED	1,086	4,651	3,565
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*Partial Year Data for 2019: January through the end of October

Enrollment Analysis

1. Population Trends
2. Building Permit Data
- 3. Actual Enrollments**



District Growth

ELEMENTARY SCHOOLS	GRADES	ENROLLMENT 2015-2016	ENROLLMENT 2019-2020	DIFFERENCE
ABNER CREEK	K-4	488	563	+75
REIDVILLE	K-4	339	427	+88
RIVER RIDGE	K-4	664	751	+87
TOTALS	K-4	1,491	1,741	+250

INTERMEDIATE & MIDDLE SCHOOLS	GRADES	ENROLLMENT 2015-2016	ENROLLMENT 2019-2020	DIFFERENCE
BERRY SHOALS	5-6	584	721	+137
FLORENCE CHAPEL	7-8	658	766	+108
TOTALS	5-8	1,242	1,487	+245

ELEMENTARY SCHOOLS	GRADES	ENROLLMENT 2015-2016	ENROLLMENT 2019-2020	DIFFERENCE
DUNCAN	K-4	585	577	-8
LYMAN	K-4	615	683	+68
WELLFORD	K-4	421	400	-21
TOTALS	K-4	1,621	1,660	+39

INTERMEDIATE & MIDDLE SCHOOLS	GRADES	ENROLLMENT 2015-2016	ENROLLMENT 2019-2020	DIFFERENCE
BEECH SPRINGS	5-6	639	736	+97
D.R. HILL	7-8	601	625	+24
TOTALS	5-8	1,240	1,361	+121

HIGH SCHOOLS	GRADES	ENROLLMENT 2015-2016	ENROLLMENT 2019-2020	DIFFERENCE
BYRNES ACADEMY	9	598	698	+100
BYRNES HIGH	10-12	1,741*	1,866**	+125
TOTALS	9-12	2,339	2,564	+225

*Includes 29 Grade 9 Students

**Includes 15 Grade 9 Students

DISTRICT TOTALS	K-12	7,933	8,813	+880
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SCHOOLS LOCATED SOUTH OF I-85	SCHOOLS LOCATED NORTH OF I-85
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Enrollment Analysis

1. Population Trends
2. Building Permit Data
3. Actual Enrollments
4. **Birth Data**



Enrollment Analysis

1. Population Trends
2. Building Permit Data
3. Actual Enrollments
4. Birth Data

Five-Year Enrollment Projections

GRADES	CURRENT 2019-20	PROJECTED 2020-21	PROJECTED 2021-22	PROJECTED 2022-23	PROJECTED 2023-24	PROJECTED 2024-25
K	671	658	699	763	816	865
1	702	728	715	759	828	886
2	698	718	745	731	776	847
3	682	713	734	761	747	793
4	648	705	738	758	787	772
K-4	3,401	3,522	3,631	3,772	3,954	4,163
5	730	660	718	751	772	801
6	727	755	682	742	777	799
5-6	1,457	1,415	1,400	1,493	1,549	1,600
7	723	764	793	717	780	816
8	668	735	777	807	729	793
7-8	1,391	1,499	1,570	1,524	1,509	1,609
9	713	697	767	810	841	760
10	660	703	687	756	799	829
11	570	590	629	614	676	714
12	621	591	612	652	637	701
10-12	1,851	1,884	1,928	2,022	2,112	2,244
TOTALS	8,813	9,017	9,296	9,621	9,965	10,376
INCREASES		204	279	325	344	411

INCREASES BY LEVEL FOR THE FIVE-YEAR PERIOD: GRADES K-4 = 762; GRADES 5-6 = 143; GRADES 7-8 = 218; GRADE 9 = 47; GRADES 10-12 = 393. TOTAL INCREASE FOR GRADES K-12 = 1,563



District Growth

ELEMENTARY SCHOOLS	GRADES	CURRENT ENROLL 2019-20	PROJECTED ENROLL 2024-25	DIFFERENCE
ABNER CREEK	K-4	563	688	+125
REIDVILLE	K-4	427	522	+95
RIVER RIDGE	K-4	751	921	+170
TOTALS	K-4	1,741	2,131	+390

INTERMEDIATE & MIDDLE SCHOOLS	GRADES	CURRENT ENROLL 2019-20	PROJECTED ENROLL 2024-25	DIFFERENCE
BERRY SHOALS	5-6	721	792	+103
FLORENCE CHAPEL	7-8	766	887	+167
TOTALS	5-8	1,487	1,679	+270

ELEMENTARY SCHOOLS	GRADES	CURRENT ENROLL 2019-20	PROJECTED ENROLL 2024-25	DIFFERENCE
DUNCAN	K-4	577	707	+130
LYMAN	K-4	683	835	+152
WELLFORD	K-4	400	490	+90
TOTALS	K-4	1,660	2,032	+372

INTERMEDIATE & MIDDLE SCHOOLS	GRADES	CURRENT ENROLL 2019-20	PROJECTED ENROLL 2024-25	DIFFERENCE
BEECH SPRINGS	5-6	736	808	+72
D.R. HILL	7-8	625	722	+97
TOTALS	5-8	1,361	1,530	+169

HIGH SCHOOLS	GRADES	CURRENT ENROLL 2019-20	PROJECTED ENROLL 2024-25	DIFFERENCE
BYRNES ACADEMY	9	713*	760	+47
BYRNES HIGH	10-12	1,851	2,244	+393
TOTALS	9-12	2,564	3,004	+440

*INCLUDES ALL GRADE 9 STUDENTS

DISTRICT TOTALS	K-12	8,813	10,376	+1,563
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SCHOOLS LOCATED SOUTH OF I-85	SCHOOLS LOCATED NORTH OF I-85
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Agenda

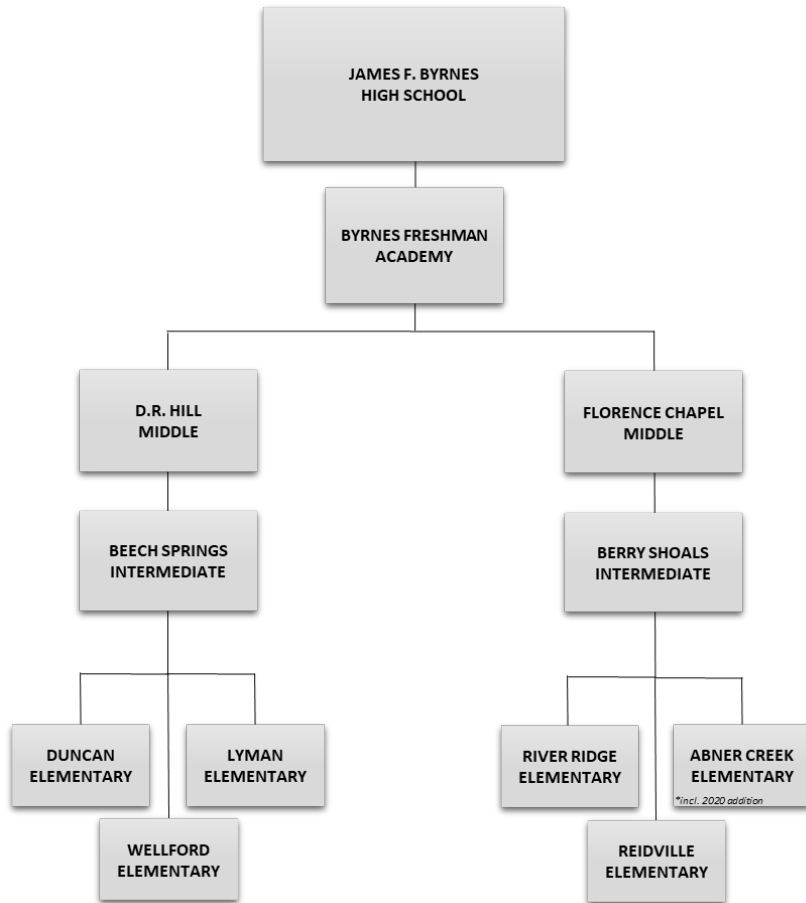
Introduction

District Growth

Addressing Growth

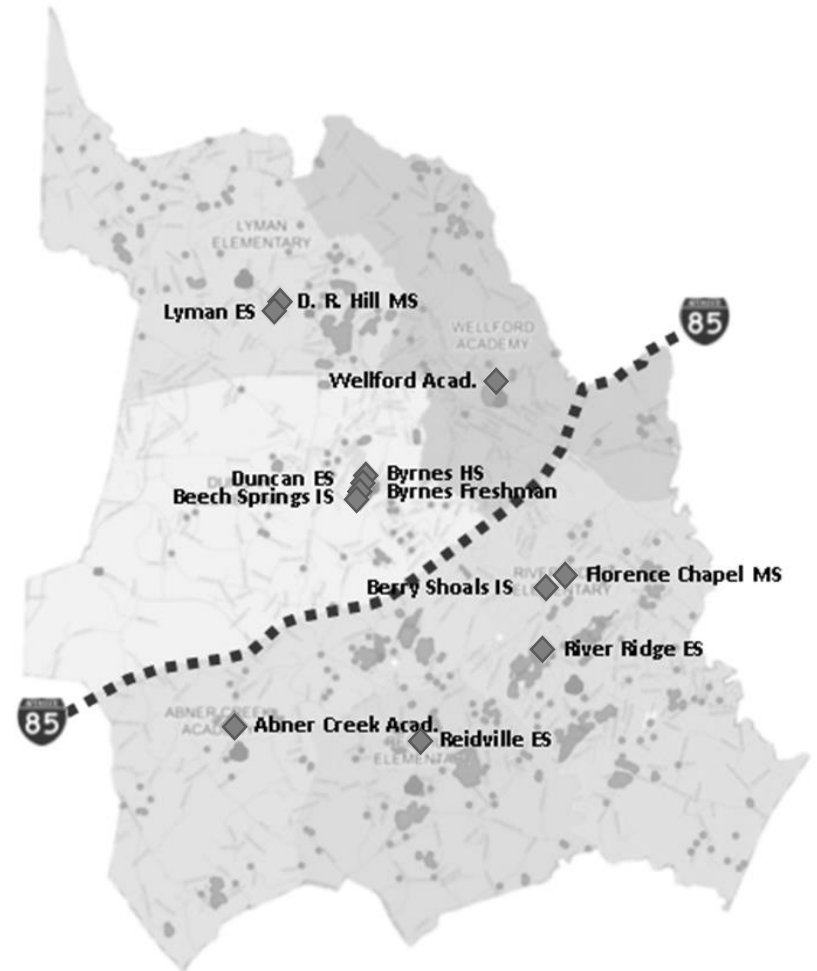
Conclusion





North

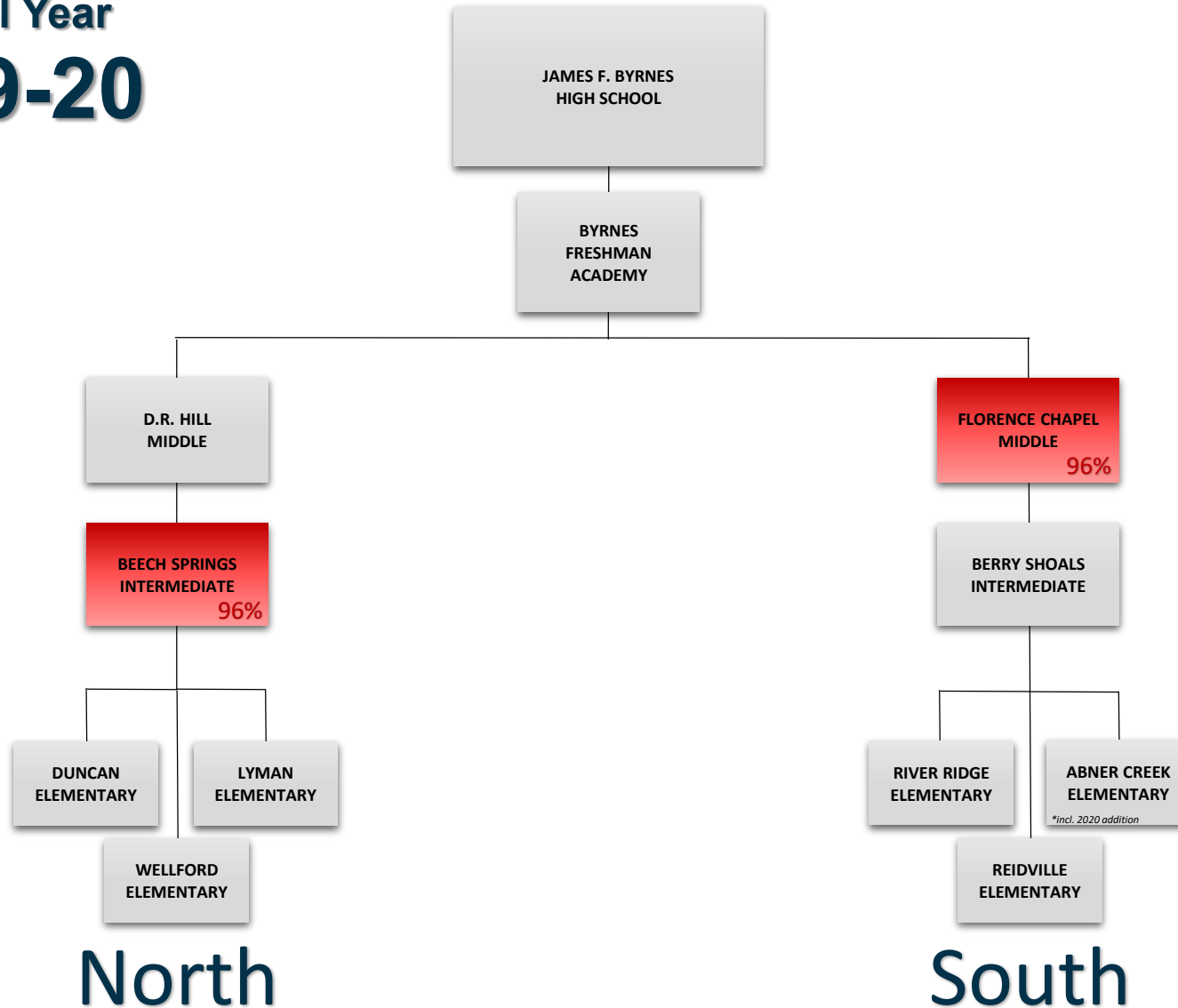
South



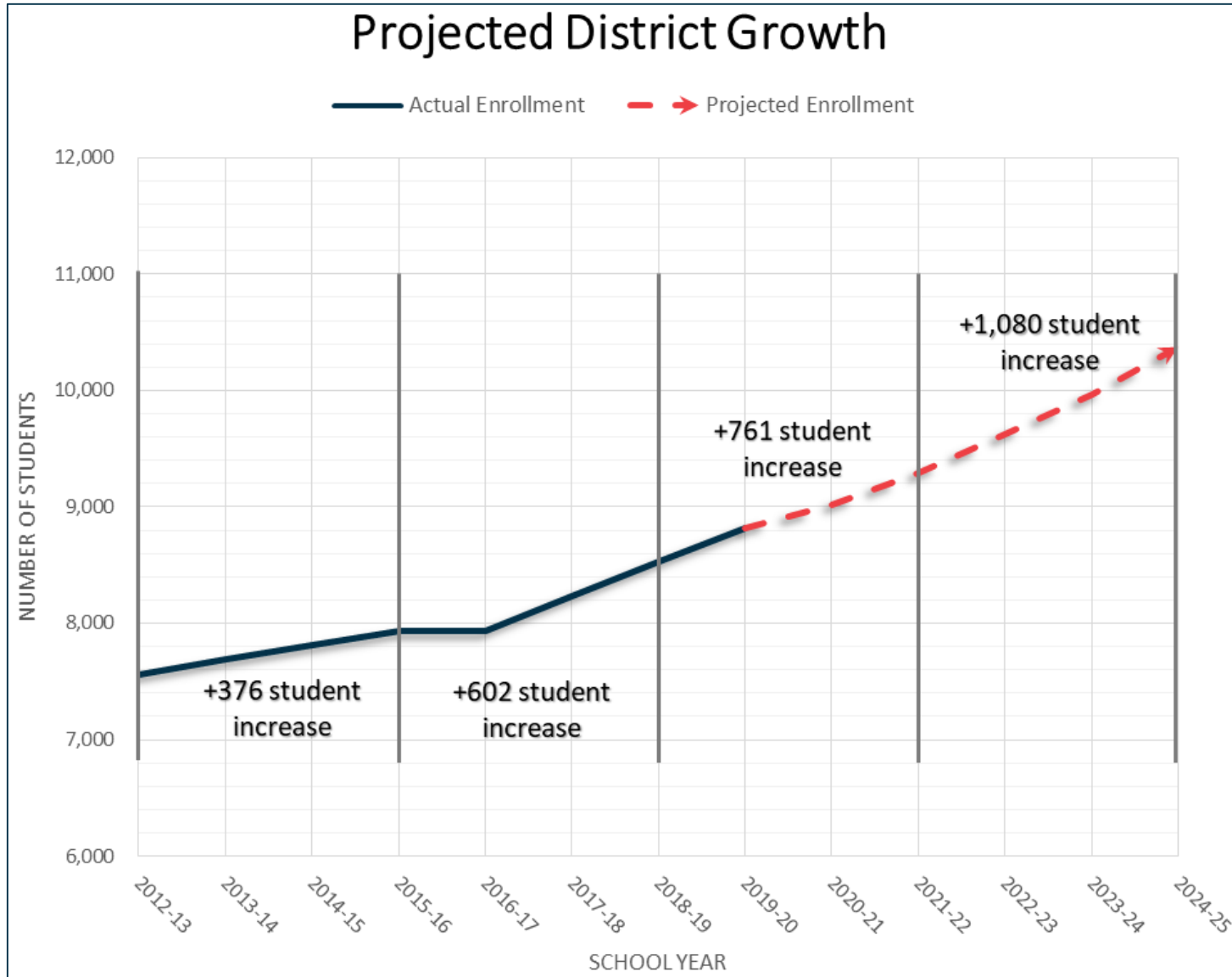


Addressing Growth

School Year
2019-20



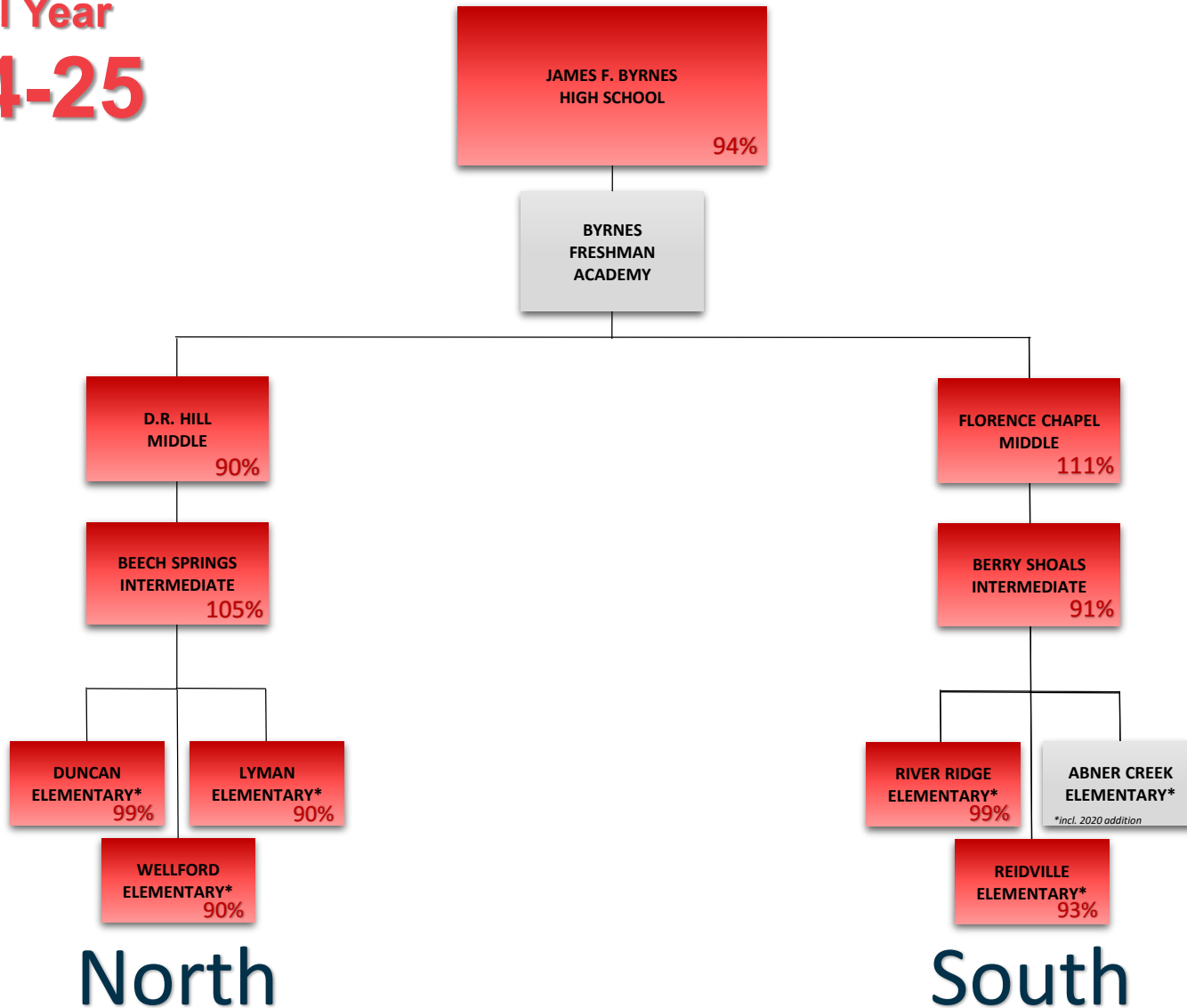
*11-day
enrollments





Addressing Growth

School Year
2024-25



North

South

*five-year projected enrollments

Developing Solutions

1. Multiple concepts considered

- *Address all needs?*
- *Affordable?*
- *District operations?*
- *Prepare for future?*

Developing Solutions

1. Multiple concepts considered:

- *Address all needs?*
- *Affordable?*
- *District operations?*
- *Prepare for future?*

2. Narrowed to two viable concepts:

- *Shift 4th Grade to Intermediate*
- *Omit Intermediate Grade Level*

Developing Solutions

1. Multiple concepts considered:

- *Address all needs?*
- *Affordable?*
- *District operations?*
- *Prepare for future?*

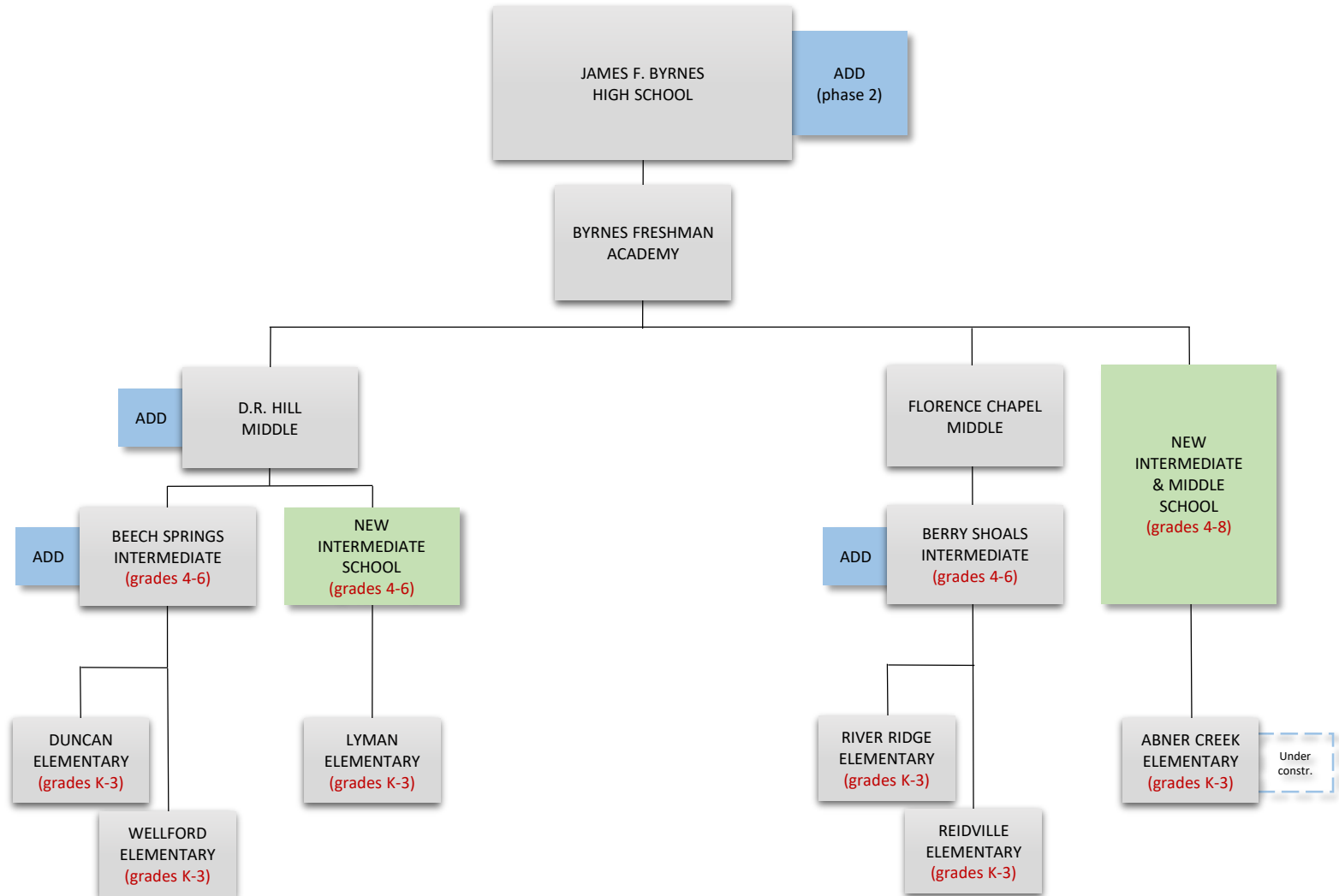
2. Narrowed to two viable concepts:

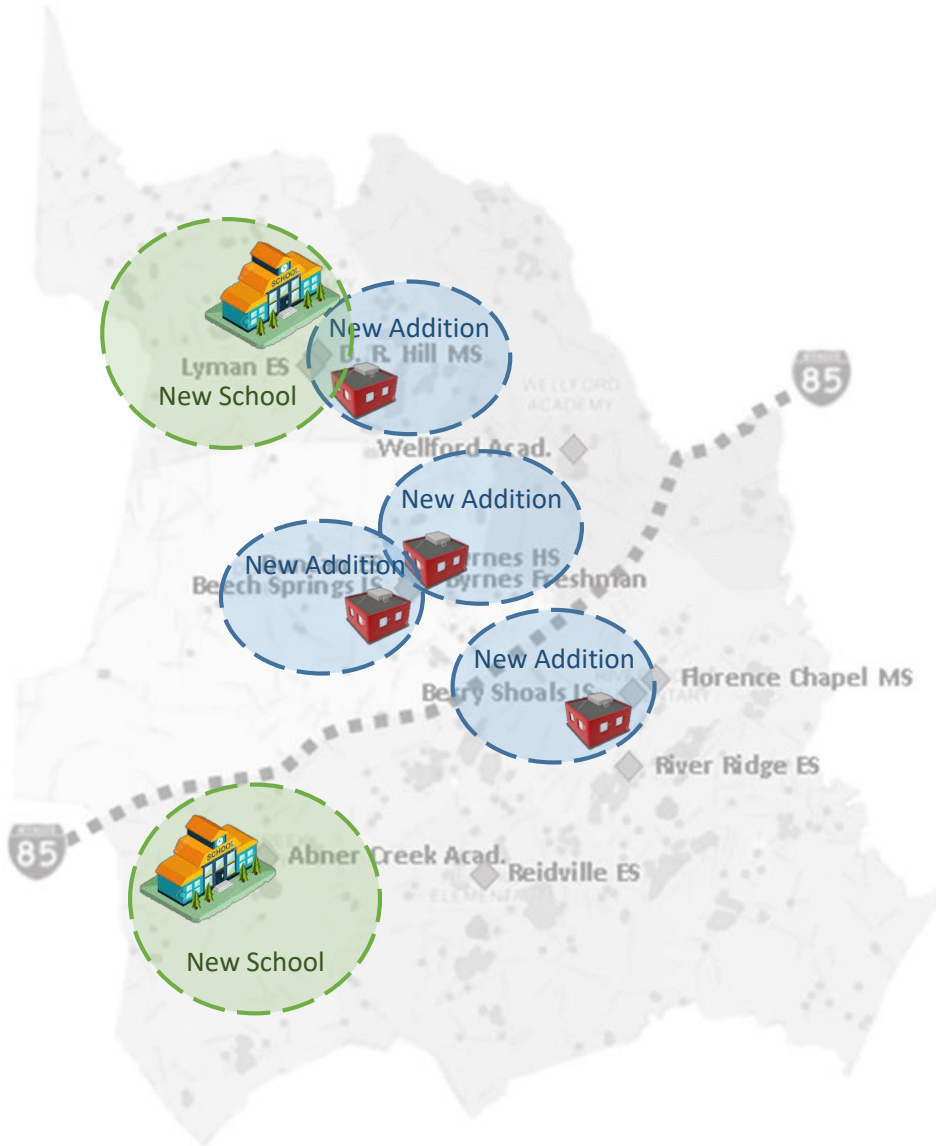
- *Shift 4th Grade to Intermediate*
- *Omit Intermediate Grade Level*

3. Two important notes:

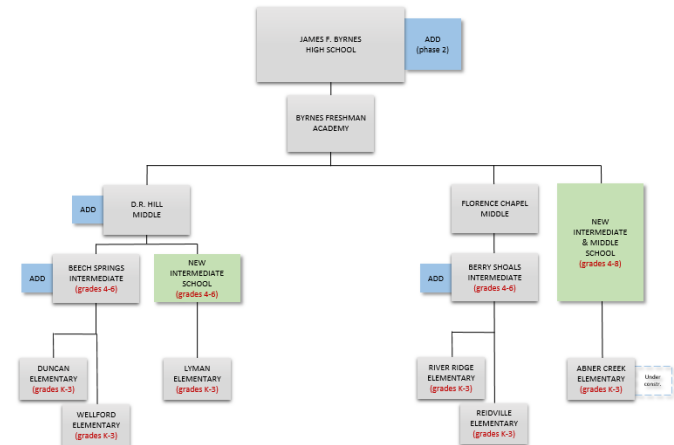
- *Not in priority order*
- *Same cost range*

Shift 4th Grade to Intermediate





Shift 4th Grade to Intermediate



Advantages:

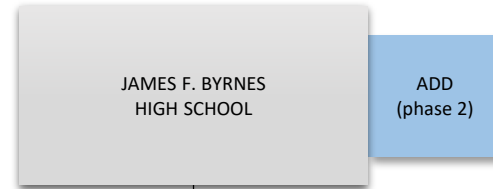
- No land purchase required
- Minor grade structure changes
- All elementary schools gain capacity
- Least amount of rezoning (*new schools only*)
- Most remaining capacity available

Disadvantages:

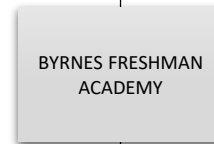
- Unbalanced feeder system
- Small new middle school (*compared to current*)
- Fewer planned expansions available

Omit Intermediate Grade Level

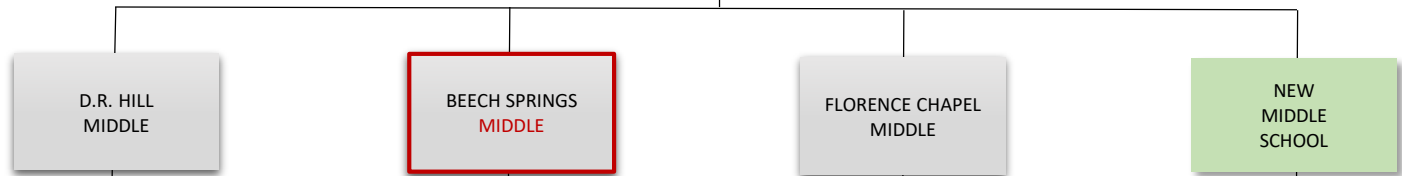
grades 10-12



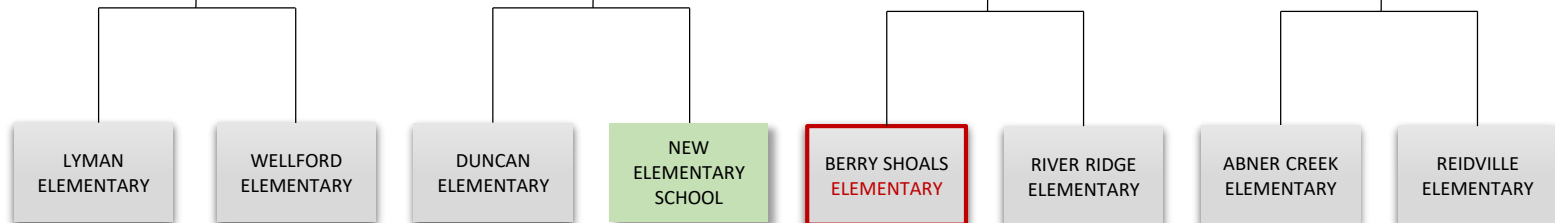
grade 9

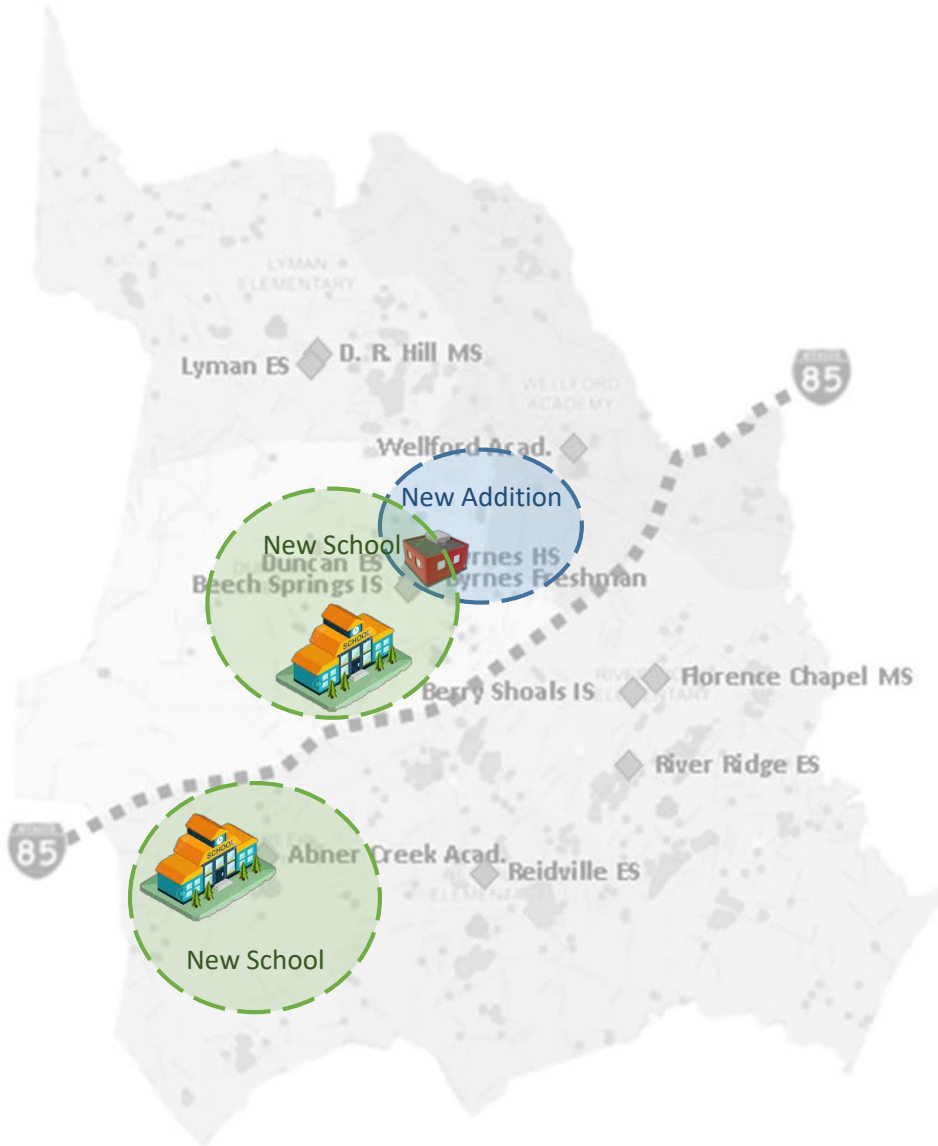


grades 6-8

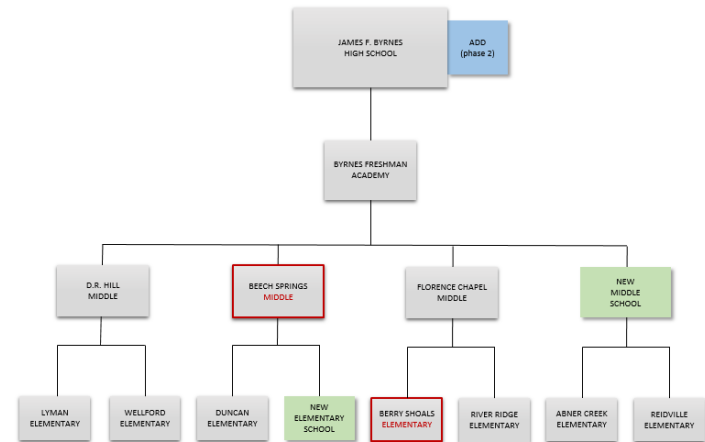


grades K-5





Omit Intermediate Grade Level



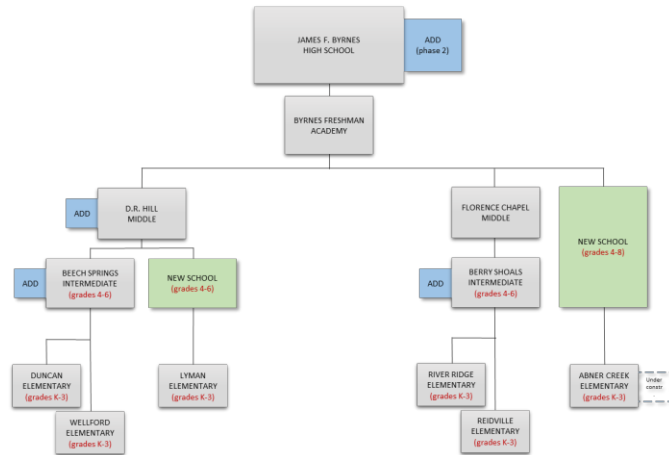
Advantages:

- Fewer student transitions
- Balanced feeder system
- Smaller schools
- Planned expansions still available
- Moderate remaining capacity available
- Least disruptive construction

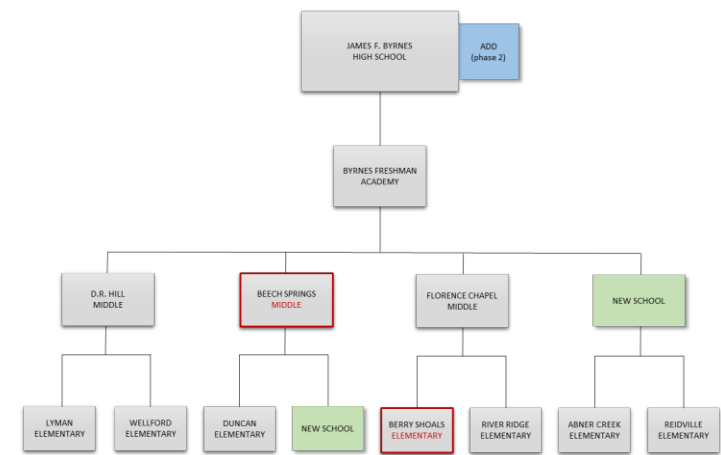
Disadvantages:

- Land purchase required (*included in estimated cost*)
- Significant grade structure changes
- Moderate rezoning required

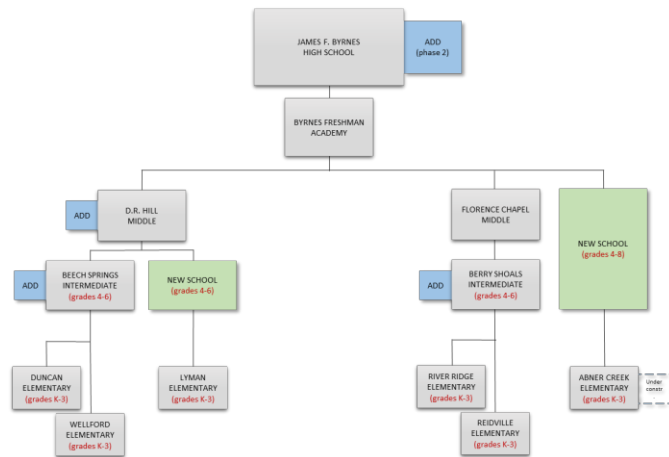
Shift 4th Grade to Intermediate



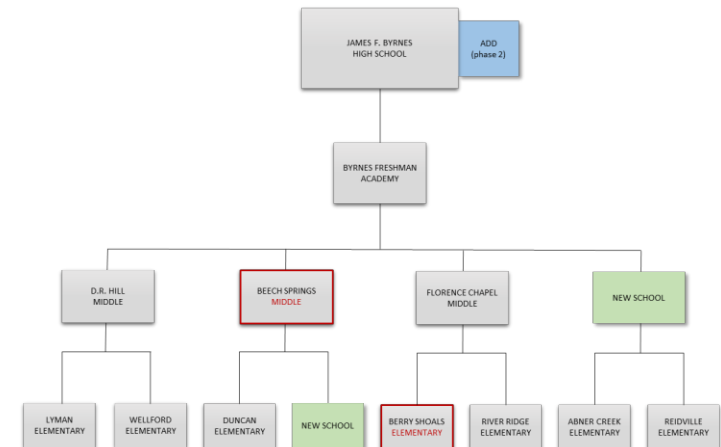
Omit Intermediate Grade Level



Shift 4th Grade to Intermediate



Omit Intermediate Grade Level



Addressing Growth = \$170M - \$180M
(either option)



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KAHN

Thank you.

