

K-8 Facilities Project

April 11, 2024 Board-as-a-Whole Committee



Agenda

- Overview
- Goals and Priorities
- Remaining Models
- Enrollment Predictions, Projected Costs Crabtree, Rohrbaugh, & Associates
- Subcommittee Reports
- Final Recommendation of Model
- Next Steps and Timeline
- Questions and Discussion

Overview

- Ten+ year project in the making
- Enrollment surge in north end of District and decline in south end
- Two aging elementary buildings that need costly renovations or to be rebuilt
- Project has involved administrative planning, consultation with architects, extensive committee work (summer 2023), and subcommittee work
- Superintendent recommendation
- Goal Retrieve Board endorsement to move forward with recommended model (not a voting item)

Vision/Purpose

Purpose Statement: Carlisle Area School District (CASD) sits in Cumberland County, the fastest growing county in Pennsylvania. The District is planning for an increase in enrollment due to upcoming housing projects, and also recognizes that we have many transient families who move into the District during the school year. CASD is researching strategies to reimagine our elementary program in order to balance elementary class sizes, offer equitable opportunities for all of our students, and to streamline our resources and efficiencies. Our goal is to improve and enhance the education program through a more efficient structure, and for our elementary students to experience the same elementary program regardless of which building they attend. We want our students and community to truly feel a part of "one Carlisle."

Committee Vision and Priorities

Tier 1

- Help us to balance class sizes throughout the district
- Promote equity and diversity throughout the district
- Maximize educational programming that we can offer in schools, including Head Start/PreK, music/art, tech, etc.
- Maximize placement of our staff in our schools so every student has the same access to excellent programs
- Support number of students receiving services; special education, PT, speech, etc.

Tier 2

- Plan for our current enrollment, as well as future enrollments
- Provide parity among schools all updated and provide adequate space and consistent programming
- Minimize the number of transitions in which students move buildings

Committee Vision and Priorities

Tier 3

- Provide options for our students to walk or bike to school, in addition to bus
- Be manageable, financially within state tax limitation
- Provide environmentally sustainable options
- Minimize travel time for staff between buildings
- Reduce maintenance costs on aging buildings

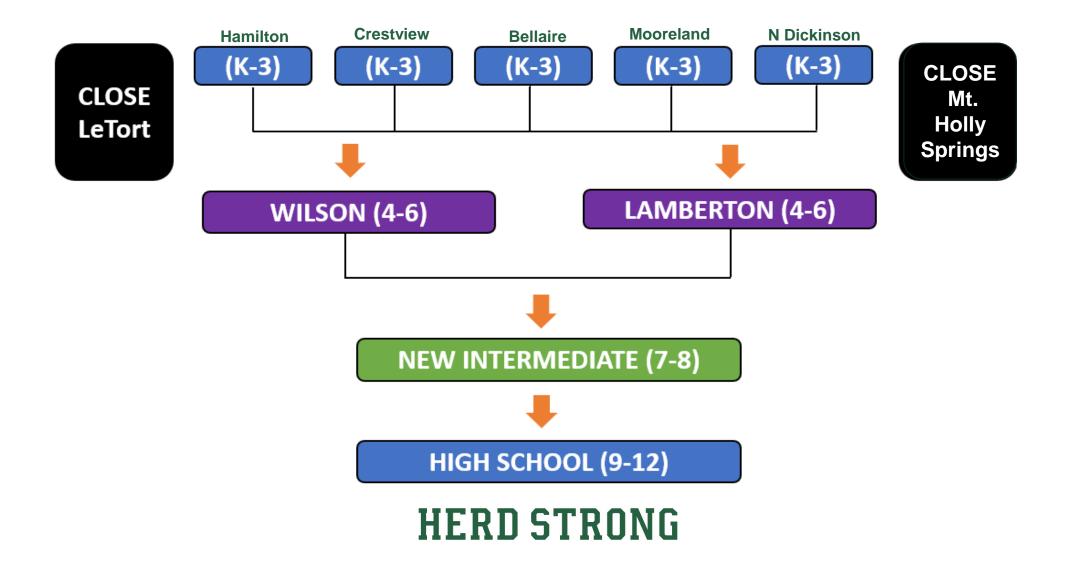
Tier 4

- Consider renovations completed within the last few years, rather than starting over
- Provide more elementary school space in the northern part of the district
- Consider land use options within the district
- Provide access to daycare
- Positively impact property values

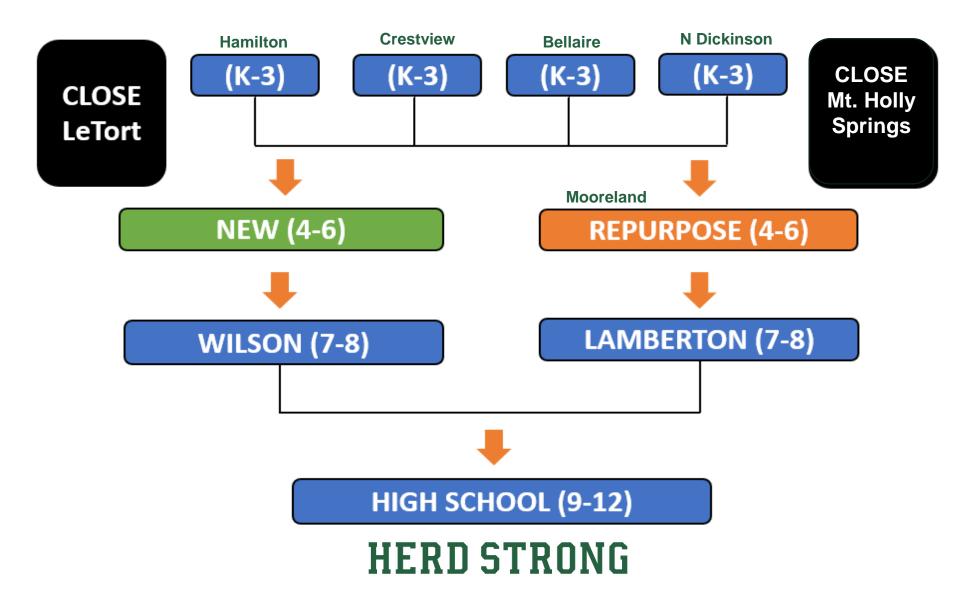
Status Quo Model

- Maintains seven elementary buildings, two middle schools, and comprehensive high school
- Maintains current programming
- Would require significant redistricting to respond to building capacities
- Alter existing transportation routes
- Increased bus fleet as more students require transportation
- Would require multiple projects over a long period of time (occupied, phased projects)
- LeTort and Mt. Holly Springs are uniquely challenging projects due to land constraints and age of buildings

Model 6 – District Organization



Model 9 – District Organization





AGENDA

1 Enrollment Update

(4) Model 9

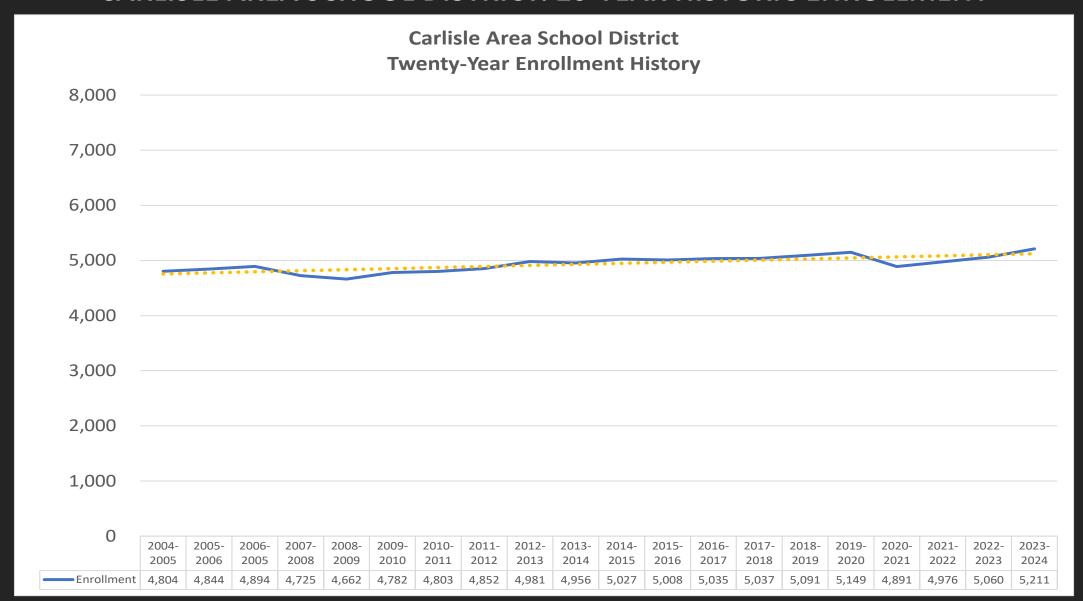
2 Status Quo Model

(5) Cost Summary

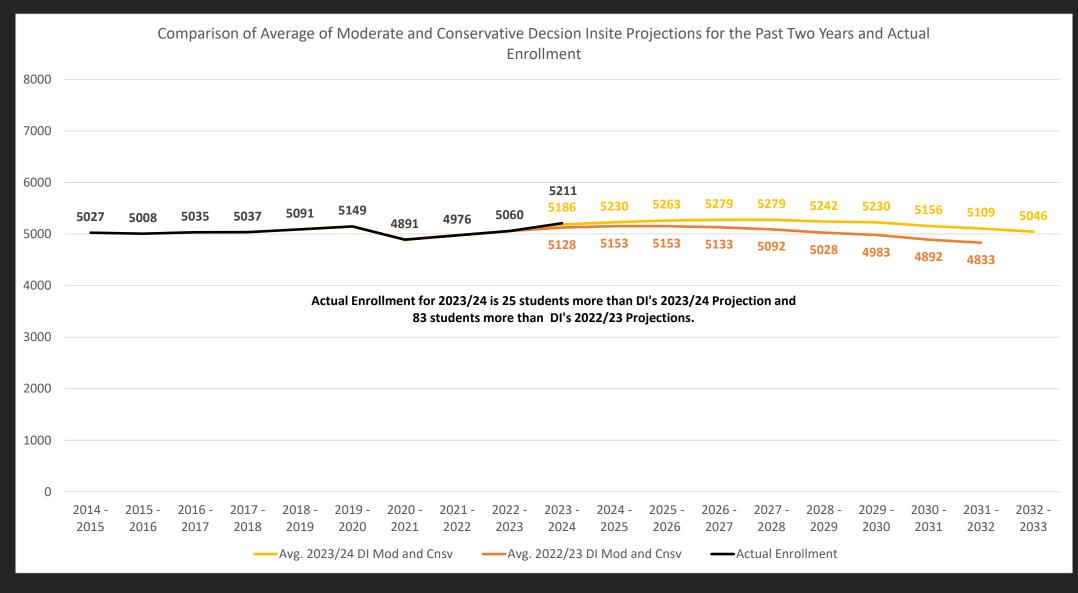
(3) Model 6



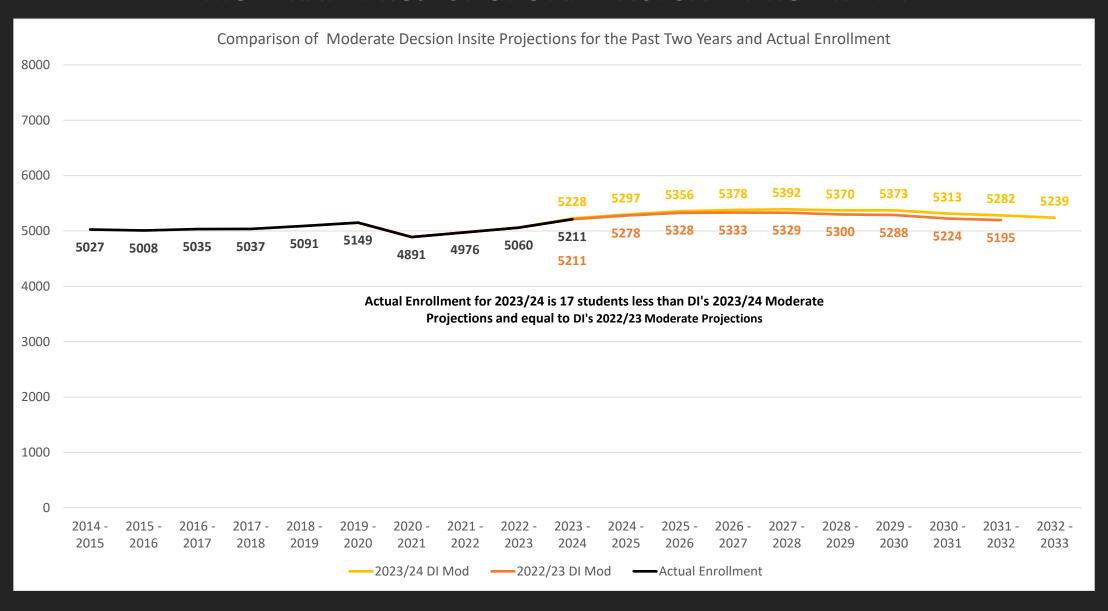
CARLISLE AREA SCHOOL DISTRICT: 20-YEAR HISTORIC ENROLLMENT



PAST TWO SETS OF DECISION INSITE ENROLLMENT: AVERAGE OF MODERATE AND CONSERVATIVE ENROLLMENT PROJECTIONS AND ACTUAL



PAST TWO SETS OF DECISION INSITE ENROLLMENT: MODERATE PROJECTIONS AND ACTUAL ENROLLMENT





(K-5 / 6-8) STATUS QUO

Maintain seven (7) elementary schools for grades K-5, and two (2) middle schools for grades 6-8.

K-5

2028-29
PROJECTED ENROLLMENT

2256

EXISTING CAPACITY

2500*

PLANNED CAPACITY

2675*

* MAINTAINS 4 VISTA CLASSROOMS

UTILIZATION RATE

90%

84%

6-8

2028-29
PROJECTED ENROLLMENT

1274

PLANNED PROGRAM CAPACITY*

1400

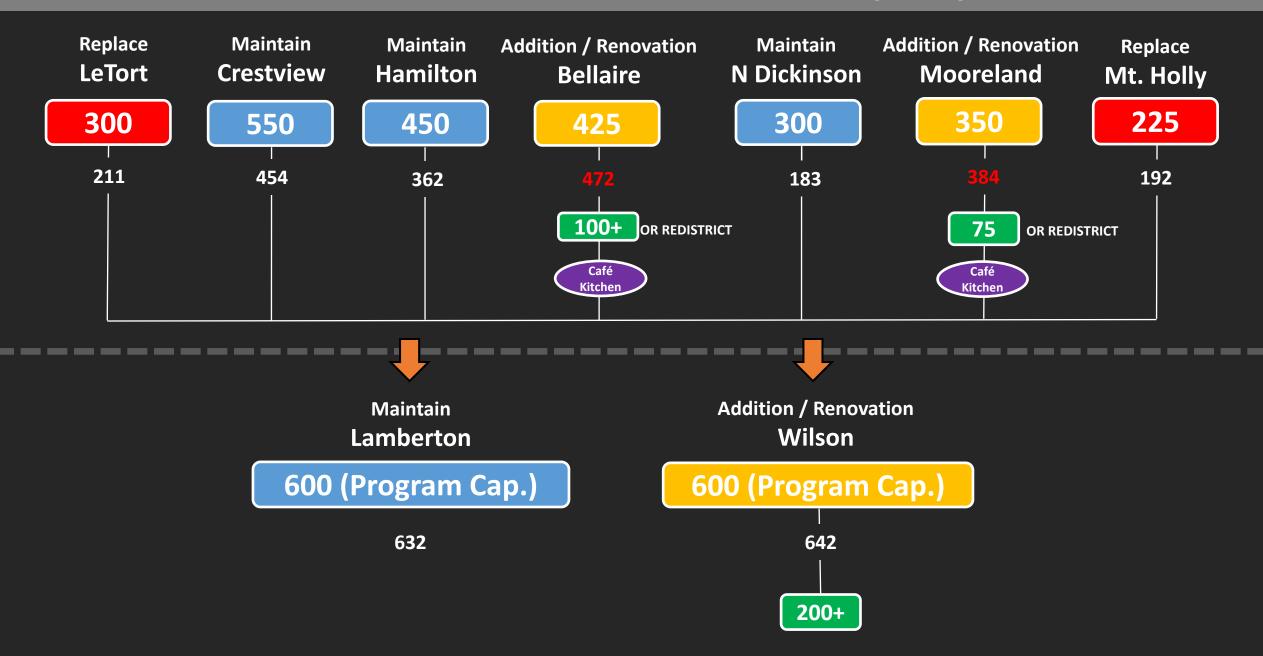
UTILIZATION RATE

106%

91%

* EDUCATIONAL CAPACITY

(K-8) STATUS QUO



Capacity and Updated Enrollment Projections in Current Grade Alignments

		2028/29			
		Projected			
		Enrollment	Capacity		
Elementary School	Capacity	(K-5)	Utilized		
Bellaire	425	472	111.06%		
Crestview	550	454	82.55%		
Hamilton	450	362	80.44%		
Letort	300	211	70.33%		
Mooreland	350	384	109.71%		
Total:	2075	1883	90.75%		
Mt. Holly	225	192	85.33%		
N. Dickinson	300	183	61.00%		
Total:	525	375	71.43%		
Elementary Total:	2600	2258	86.85%		
		_			
		2028/29			
		Projected			
	Program	Enrollment	Capacity		
Middle Schools	Capacity	(6-8/9-12)	Utilized		
Lamberton Middle School	600	632	105.33%		
Wilson Middle School	600	642	107.00%		
Middle School Total	1200	1274	106.17%		



(K-8 REALIGNMENT) - MODEL 6

Build a new school for grades 7 & 8. Convert middle schools to grades 4 – 6, and convert existing elementaries to grades K-3. Close two existing elementary schools.

K-3

2028-29 PROJECTED ENROLLMENT 1484

1975*
PLANNED CAPACITY
1975*

UTILIZATION RATE

75%

75%

* MAINTAINS 4 VISTA CLASSROOMS

4-6

2028-29
PROJECTED
ENROLLMENT

1176

1200*
PLANNED CAPACITY
1400*

UTILIZATION RATE

98%

84%

UTILIZATION RATE

* PROGRAM CAPACITY

7-8

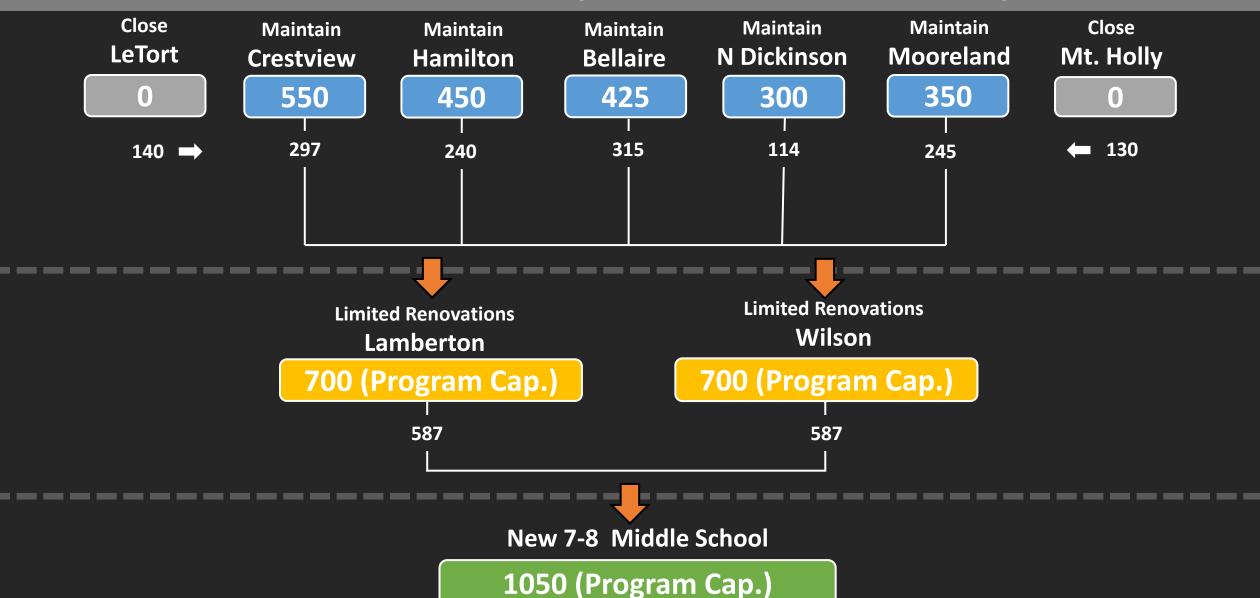
2028-29 PROJECTED ENROLLMENT 875 PLANNED CAPACITY

1000*

88%

* PROGRAM CAPACITY

(K-8 REALIGNMENT) - MODEL 6



875

(K-8 REALIGNMENT) - MODEL 6

K-3 Attendance Catchments											
	PDE Capacity	K	1	2	3	Total	% Utilized	Redistrict Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Bellaire	425	81	78	79	78	315	74.12%	0	-20	295	69.41%
Bellaire Addition	0										
Crestview	550	72	74	76	76	297	54.00%	0	90	387	70.36%
Hamilton	450	62	60	60	60	240	53.33%	0	100	340	75.56%
Redistrict In(+)/Out(-)											
Vista Redistribute						50				50	
Total:	1425	214	212	214	213	902	63.30%	0	170	1072	75.23%
	PDE Capacity	К	1	2	3	Total	% Utilized	Redistrict Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Mooreland	350	56	61	64	65	245	70.00%	-170	140	215	61.43%
Mooreland Addition	0										
Letort	0	32	36	37	36	140	0.00%	-140	0	0	0.00%
Redistrict In(+)/Out(-)								0	0	0	
Vista Redistribute						50				50	
Total:	350	146	157	162	163	435	124.17%	0	140	265	75.60%
Totals without Mt Holly and Dickinson	1775	360	369	376	376	1337	75.30%			1337	75.30%
	PDE Capacity	K	1	2	3	Total	% Utilized	Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Mt. Holly	0	31	34	33	33	131	0.00%	0	0	131	0.00%
North Dickinson	300	27	28	30	31	116	38.67%	0	0	116	38.67%
Vista Redistribute						0		_	_	0	
Redistrict In(+)/Out(-)	000	FC	4.0			0:-	00.000	0	0	0	00.000
Mt Holly and North Dickinson	300	58	62	63	64	247	82.33%	0	0	247	82.33%

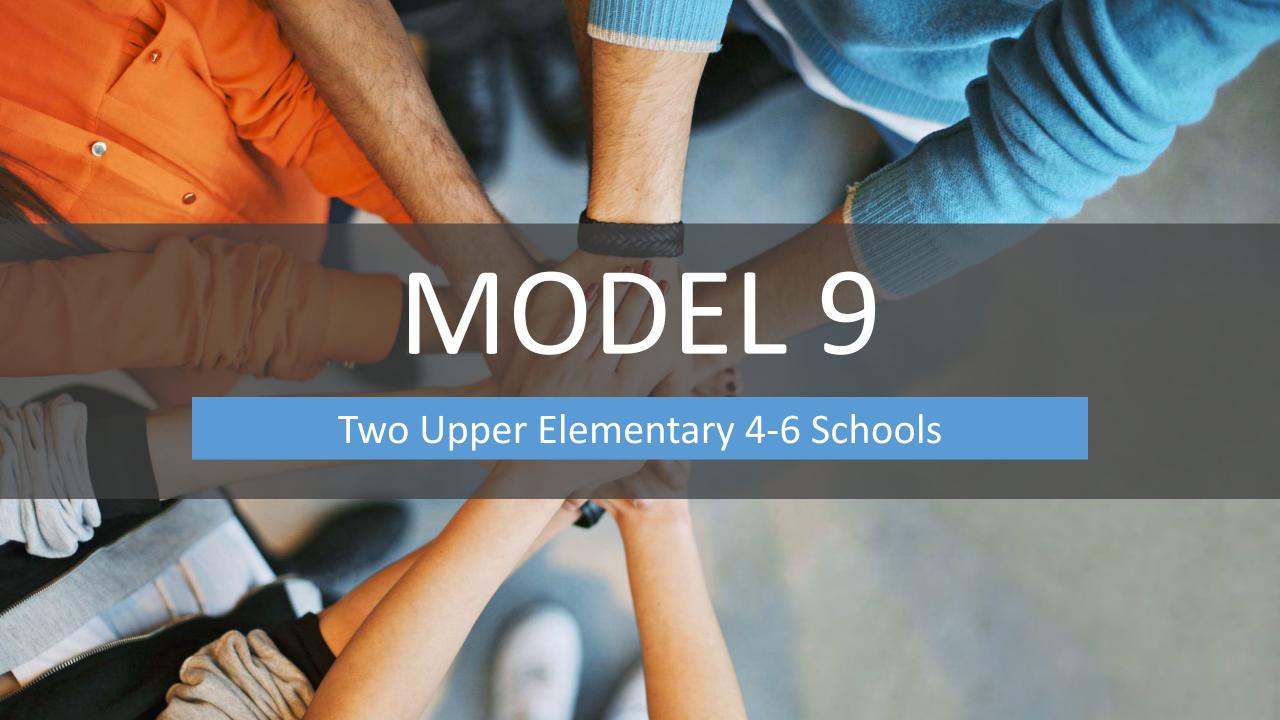
After shuttering Letort and Mount Holly and Redistricting Bellaire, Crestview, Hamilton and Mooreland targeted at 76% of capacity. Mt. Holly and North Dickinson student bodies will combine in North Dickinson to fill the school to 82% of capacity.

NEW 7-8 SCHOOL ON TURNPIKE SITE



NEW 7-8 SCHOOL ON OLD BELLAIRE SITE





(K-8 REALIGNMENT) - MODEL 9 CLOSE LETORT & MT HOLLY

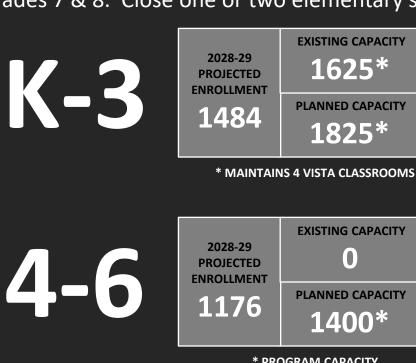
K-3 Attendance Catchments											
	PDE Capacity	K	1	2	3	Total	% Utilized	Redistrict Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Bellaire	425	81	78	79	78	315	74.12%	0	46	361	84.94%
Bellaire Addition	0										
Crestview	550	72	74	76	76	297	54.00%	0	171	468	85.09%
Hamilton	450	62	60	60	60	240	53.33%	0	143	383	85.11%
Redistrict In(+)/Out(-)											
Vista Redistribute						100					
Total:	1425	214	212	214	213	952	66.81%	0	360	1312	92.07%
	PDE Capacity	К	1	2	3	Total	% Utilized	Redistrict Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Mooreland	0	56	61	64	65	245	0.00%	-245	0	0	0.00%
Mooreland Addition	0	00	01	01	00	210	0.00%	210	Ů	- O	0.00%
Letort (Shutter)	0	32	36	37	36	140	0.00%	-140	0	0	0.00%
Redistrict In(+)/Out(-)											
Vista Redistribute											
Total:	0	146	157	162	163	385	0.00%	-385	0	0	0.00%
	PDE Capacity	К	1	2	3	Total	% Utilized	Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Mt. Holly	0	31	34	33	33	131	0.00%	-131	0	0	0.00%
North Dickinson	300	27	28	30	31	116	38.67%	0	131	247	82.33%
Vista Redistribute						0				25	
Mt Holly and North Dickinson	300	58	61	62	63	247	82.33%	-131	131	272	90.67%

After shuttering Letort and Mount Holly and Redistricting North Dickinson to 91% of capacity the remaining schools are utilizing 92% of capacity.

Given the new enrollment projections, CRA recommends that if the District wishes to pursue this option, an additional 200 seats will need to be added prior to realigning.

(K-8 REALIGNMENT) - MODEL 9 CLOSE LETORT & MT HOLLY

Build a new school for grades 4-6. Convert one elementary to a 4-6 building and convert existing elementaries to grades K-3. Convert middle schools to grades 7 & 8. Close one or two elementary schools.





UTILIZATION RATE

91%

81%

Adds 200 seats to the existing elementary facilities to get the K-3 utilization rate below 90%.

EXISTING CAPACITY UTILIZATION RATE PLANNED CAPACITY 1400* 84%

this addition has been constructed, there will be little to no available space amongst the remaining K-3 facilities to add classrooms for greater than projected growth

Once Mooreland is converted and

* PROGRAM CAPACITY

beyond 5 years.



EXISTING CAPACITY 2028-29 1200* **PROJECTED ENROLLMENT** PLANNED CAPACITY 1200*

73%

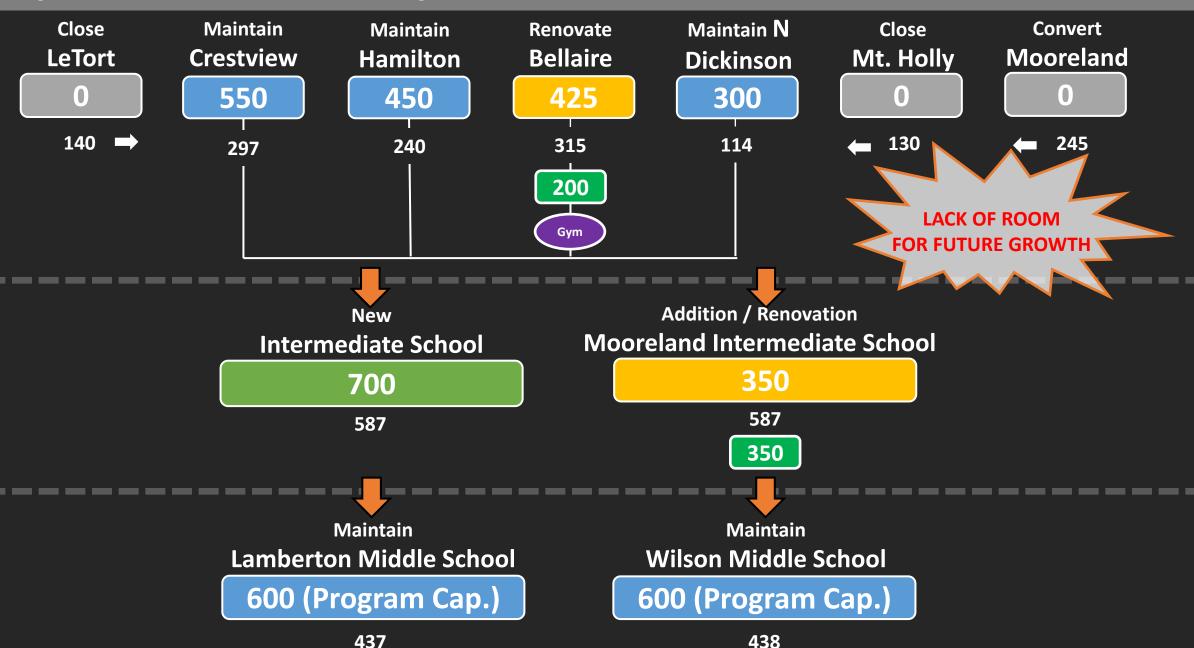
UTILIZATION RATE

73%

The new enrollment numbers bolster the argument to maintain Mooreland and its centrally located campus as a K-3 building with the ability to accept a future addition.

*PROGRAM CAPACITY

(K-8 REALIGNMENT) - MODEL 9 CLOSE LETORT & MT HOLLY



(K-8 REALIGNMENT) - MODEL 9 CLOSE MT HOLLY & LETORT & ADD 200 SEATS

With new Projections
the District Must
Consider Adding 200
Seats to Bellaire or
Crestview or a
Combination of the
Two

K-3 Attendance Catchments											
	PDE Capacity	K	1	2	3	Total	% Utilized	Redistrict Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Bellaire	425	81	78	79	78	315	74.12%	0	55	370	87.06%
Bellaire Addition	200										
Crestview	550	72	74	76	76	297	54.00%	0	0 170		84.91%
Hamilton	450	62	60	60	60	240	53.33%	0	160	400	88.89%
Redistrict In(+)/Out(-)											
Vista Redistribute						100					
Total:	1625	214	212	214	213	952	58.58%	0	385	1337	82.28%
	PDE Capacity	K	1	2	3	Total	% Utilized	Redistrict Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Mooreland	0	56	61	64	65	245	0.00%	-245	0	0	0.00%
Mooreland Addition	0										
Letort (Shutter)	0	32	36	37	36	140	0.00%	-140	0	0	0.00%
Redistrict In(+)/Out(-)											
Vista Redistribute											
Total:	0	146	157	162	163	385	0.00%	-385	0	0	0.00%
	PDE Capacity	К	1	2	3	Total	% Utilized	Redistrict Out(-) Target	Redistrict In(+) Target	New Total	% Utilized
Mt. Holly	0	31	34	33	33	130	0.00%	0	0	130	0.00%
North Dickinson	300	27	28	30	31	114	38.00%	0	0	114	38.00%
Vista Redistribute						0				0	
Redistrict In(+)/Out(-) Mt Holly and North Dickinson	300	58	61	62	63	244	81.17%	0	0	0 244	81.33%



BUILDING MAINTENANCE COST SUMMARY

MAINTENANCE										
						20	24		2028-2030	
	EXST.	PROPOSED				MAINTENA	NCE S	COPE		
FACILITY	GRADE	GRADE	PROPOSED SCOPE	SF OF EXIST		TOTAL ESTIMAT				
	CONFIG.	CONFIG.				NO ED PROGR	AM C	HANGES	PROPOSED SCOPE	
		-4		47.400	_	2 522 500		2 222 222		**
LeTort	K-5	Maintain	Maintenance	47,138	\$	2,632,500	\$	3,220,000	Comprehensive Renov	\$\$
Mt. Holly	K-5	Maintain	Maintenance	63,000	\$	3,842,100	\$	5,082,000	Comprehensive Renov	\$\$
Crestview	K-5	Maintain	Maintenance	69,140	\$	4,943,700	\$	6,256,600	Comprehensive Renov	\$\$
Hamilton	K-5	Maintain	Maintenance	61,683	\$	5,224,500	\$	6,685,000	Maintenance	\$
Bellaire	K-5	Maintain	Maintenance	61,405	\$	4,708,800	\$	5,978,000	Maintenance	\$
North Dickinson	K-5	Maintain	Maintenance	53,225	\$	274,400	\$	326,250	Maintenance	\$
Mooreland	K-5	Maintain	Maintenance	43,460	\$	2,259,999	\$	3,349,999	Comprehensive Renov	\$\$
Wilson MS	6-8	Maintain	Maintenance	120,650	\$	-	\$	-		
Lamberton MS	6-8	Maintain	Maintenance	120,650	\$	-	\$	-		
						\$24 M		\$31M		

STATUS QUO COST SUMMARY

STATUS QUO ANALYSIS

	EXST.	PROPOSED			SF OF NEW	TOTAL					
FACILITY	GRADE	GRADE	PROPOSED SCOPE	SF OF EXIST	CONSTR.	SF	TOTAL ESTIMATED COST RANGE				
	CONFIG.	CONFIG.			CONSTR.	31	TOTAL ESTIMATI	EDC	JUST RAINGE		
LeTort	K-5	Maintain	Replace	47,138		52,500	\$ 23,057,578	\$	25,163,336		
Mt. Holly	K-5	Maintain	Replace	63,000		66,000	\$ 25,368,791	\$	27,905,670		
Crestview	K-5	Maintain	Maintenance	69,140			\$ 4,943,700	\$	6,256,600		
Hamilton	K-5	Maintain	Maintenance	61,683			\$ 5,224,500	\$	6,685,000		
Bellaire	K-5	Maintain	Add/Renov	61,405	17,040	78,445	\$ 9,574,171	\$	10,361,979		
North Dickinson	K-5	Maintain	Maintenance	53,225			\$ 274,400	\$	326,250		
Mooreland	K-5	Maintain	Add/Renov	43,460	20,000	63,460	\$ 11,444,973	\$	12,964,446		
Wilson MS	6-8	Maintain	Addition Only	120,650	13,650	134,300	\$ 8,150,514	\$	8,917,007		
Lamberton MS	6-8	Maintain	No Work	`	NA	•	\$ -	\$	-		
							\$88 M		\$98 M		

MODEL 6 COST SUMMARY

6	: 1 1			(5) K - 3 ES, Con	vert Wilsor	4-6	MS, Convert Lar	mbert	ton 4	-6 MS,
MODEL 6 - New 7-8	<u>√ Middi</u>	e School			New 7-8 Middle School, 9-12 High School						
	EVET	PROPOSED		CE OF	OF OF NEW						
FACILITY	EXST. GRADE	PROPOSED GRADE	PROPOSED SCOPE	SF OF EXIST	SF OF NEW CONSTR.	TOTAL SF		TOTAL ESTIM	IATED	COST	RANGE
Wilson MS	6-8	4 - 6	Limited Renovations	120,650	-	120,650	\$	2,000,000		\$	3,000,000
Lamberton MS	6-8	4 - 6	Limited Renovations	120,650	-	120,650	\$	2,000,000		\$	3,000,000
New 7-8 MS on Turnpike Site	NA	7 - 8	New Construction	NA	225,000	225,000	\$	84,092,905		\$	87,616,547
								\$88M			\$94M
LeTort	K - 5	Vacate	NA					0	/		0
Mt. Holly	K - 5	Vacate	NA					0	/		0
Crestview	K - 5	K - 3	Maintenance				\$	4,943,700		\$	6,256,600
Hamilton	K - 5	K - 3	Maintenance				\$	5,224,500		\$	6,685,000
Bellaire	K - 5	K - 3	Maintenance				\$	4,708,800		\$	5,978,000
North Dickinson	K - 5	K - 3	Maintenance				\$	274,400		\$	326,250
Mooreland	K - 5	K - 3	Maintenance				\$	2,259,999		\$	3,349,999
								\$17 M			\$22 M

New 7-8 Located on Old Bellaire Probable Cost Savings; \$2 - 4 M
Less Site Work, Traffic, Utilities and Reduced Building Area / Program

MODEL 9 COST SUMMARY

						<u> </u>			<u> </u>		
MODEL 9 - Two Up	per Ele	mentary	4-6 Buildings	(4) K - 3 ES, (1) NEW 4 -6 ES & Convert Mooreland 4-6 ES, Wilson 7-8 MS, Lamberton 7-8 MS, 9-12 High School							
FACILITY	EXST. GRADE	PROPOSED GRADE	PROPOSED SCOPE	SF OF EXIST	SF OF NEW CONSTR.	TOTAL SF		TOTAL ESTIM	IATED	COST	RANGE
Mooreland ES	K - 5	4 - 6	Additions/Renovations	43,500	80,000	123,500	\$	41,699,199		\$	44,701,278
New 4-6 ES on Bellaire Site	NA	4 - 6	New Construction	NA	130,000	130,000	\$	47,811,199		\$	50,109,812
Bellaire	K - 5	K - 3	Additions/Renovations	61,405	22,000	83,405	\$	16,465,356		\$	18,646,101
								\$106 M			\$113 M
LeTort	K - 5	Vacate	NA				\$	-		\$	-
Mt. Holly	K - 5	Vacate	NA				\$	-		\$	-
Crestview	K - 5	K - 3	Maintenance				\$	4,943,700		\$	6,256,600
Hamilton	K - 5	K - 3	Maintenance				\$	5,224,500		\$	6,685,000
North Dickinson	K - 5	K - 3	Maintenance				\$	274,400	'	\$	326,250
											
								\$10 M	 '		\$13 M

Staffing Analysis

- Preliminary review of Model 6 and Model 9
- Identified groups and subgroups
 - Faculty
 - Support Staff
 - Administration
 - Etc.
- Objective is to address staffing needs in a steady, consistent manner
- "Drivers" that affect staffing

Staffing Analysis

Area	Positions	Analysis/Notes
Administration	No Change	
Core Teachers	Increase	Associated with class size; not reconfiguration.
World Language	No Change	
Special Education	Increase (2-3)	Example: Life Skills at a new "level"
English Language Development	Increase (2-3)	Accommodate new "level"
Counseling	No Change	
Nurse	No Change	
Specials / Encore	Increase (5-7)	Pending Specials/Encore schedule analysis; Pending programmatic updates
Secretary / Support Staff	Likely Neutral	Movement pending closing and opening of buildings

K-3 Programming

Fundamentals, Love of Learning, School Behaviors, Strong Foundation

- Focus of K-3 is the fundamentals of reading and math fluency
- Grade 3 a critical year (address deficits while at the primary level)
- When feasible, prioritize smaller teacher:student ratio
- Concentrate resources and interventions at this level
- Natural vertical alignment of grades K and 1, and grades 2 and 3
- Third grade is logical "break point"
- Opportunity for grade 3 leadership

Grades 4-6 Programming

More Complex/Abstract Learning, Growing Independence, Technology Literacy, Exploring Content Areas and Possibilities

- Focus curriculum to the 4-6 learner
- Develop a unique / custom schedule for this level
- Emphasis on peer relationships and diversity (half of the district together)
- Opportunity for grades 4-6 to have a unique experience
- Capitalize on the developmental benefits of grade 6 grouped with grades 4 and 5
- Opportunity to rethink "specials/encore" offerings
- Opportunity to integrate STEM/CTE offerings

Grades 7-8 Programming

Higher Order Learning, Preparation for High School, Actively Exploring Pathways

- Research continues to center on / emphasize value of teaming
- Continued emphasis on peer relationships and diversity (everyone together)
- Ages 12-14 critical development period (opportunity for targeted experience)
- Building design is critical (large building(s) that feels small)
- Emphasis on pre-high school, pre-CTE course offerings.
- Increased efficiency of specialized courses and services.

Logistics

Thoughtful and Transparent Communication, Celebration and Unity, District Collaboration

- Thoughtful and deliberate survey to assist with appropriate building staffing
- Development of a Purpose Statement regarding staff movement with an emphasis on student needs
- Constant and consistent communication with staff
- Establish a positive and inclusive culture through the project
- Remain positive and celebratory while closing or opening buildings

Transportation

Impact to Walkers and Bus Riders, Systematic and Consistent Procedures, Maximizing District Resources

- Criteria to be considered when redistricting students to guide decisions in a systematic and consistent manner
- Analyzed walking maps for each building in both models with the goal of maximizing walking routes when possible
- Preliminary discussions on start times for elementary and secondary and their impact on transportation

Sample Resources

- Middle Grades Review (Journal)
- Education Sciences (Journal)
- Phi Delta Kappan International (Journal)
- National Institutes of Health Child Development Perspectives (Journal)
- Association for Supervision and Curriculum Development
- Duke University Study on Grade 6 Placement
- National Education Association

Recommendation

- Programmatic Benefits for Students
- Feasibility Study
 - Cost Analysis
 - Enrollment Projections
 - Construction Options
- Impact of Construction on Students and Staff
- Immediate and Long-Term Benefits / Sustainability

Next Steps

- Family & Community Forums in April/May (2 in person, 2 virtual)
- Expand subcommittees and continue work
 - Staffing, programming, transportation/redistricting
 - Teams conduct site visits of K-3, 4-6, and 7-8 districts
- Invite financial consultant company to May Committee Meeting
- Evaluate location of 7-8 building (turnpike site versus high school site)
- Final recommendation this summer with potential Board approval
- 9-12 months of planning before breaking ground
- Opening 2026-2027

Family & Community Forums

- April 18, 5 PM at Wilson Middle School
- April 24, 6 PM at Lamberton Middle School
- April 29, 9 AM virtual meeting
- May 1, 5 PM virtual meeting

Link to Sign Up