

COMPONENTS OF STUDY

- District Geographic Overview
- District Educational Overview
- Building Capacity and Utilization
- Existing Facility Conditions Summary
- Facility Condition Index
- Existing Facility Energy Portfolio
- Educational Suitability Assessment
- Projected Enrollment
- Proposed Construction Options
- Proposed Construction Options Energy Portfolio
- Next Steps



BUILDING CAPACITY AND UTILIZATION

FACILITY	GRADE CONFIG.	CURRENT CAPACITY*	CURRENT ENROLL.	CURRENT UTILIZATION
Cornwall Terrace E.S.	K-5	600	517	86.0%
Green Valley E.S.	K-5	600	559	93.0%
Shiloh Hills E.S.	K-5	600	560	93.0%
Spring Ridge E.S.	K-5	625	512	82.0%
Whitfield E.S.	K-5	600	596	99.0%
Southern M.S.	6th-8th	961	762	79.0%
West M.S.	6th-8th	1,295	729	56.0%
High School	9th-12th	2,270	1,992	88.0%

*Recommended "Functional Capacity" calculations are 90% for elementary levels, and 85% for intermediate/secondary levels.

- Elementary schools currently operating collectively at 91% of capacity.
- Middle schools currently operating collectively at only 68% of their capacity.
- High School currently operating at 88% of its capacity.

FACILITY CONDITION INDEX

Facility Condition Index (FCI): An assessment of existing building physical conditions, including site, safety/security, systems and code compliance.

- Noteworthy deficiencies:
 - 1. HVAC replacement at Cornwall Terrace, Spring Ridge, Whitfield, Southern, and High School (lower building) buildings.
 - 2. Kitchen equipment replacement/re-design at all buildings except West.
 - 3. LED lighting replacement at all buildings.
 - 4. Site improvements (paving, sidewalks, etc.).
 - 5. Exterior door/window replacement at High School, Southern, Whitfield & Cornwall Terrace buildings.
 - 6. Casework replacement at High School, Spring Ridge, Shiloh Hills & Green Valley buildings.

EDUCATIONAL SUITABILITY ASSESSMENT

Educational Suitability Assessment (ESA): Analysis of each buildings ability to support the educational program, support spaces, security, technology, furniture and environmental quality.

- Noteworthy deficiencies:
 - 1. Student development at elementary schools (buildings are utilized at full capacity).
 - 2. Site (additional parking needed, congestion/traffic flow).
 - Food service configurations at High School, Southern/Cornwall Terrace, Whitfield,
 & Green Valley buildings).
 - 4. Building configuration (congestion areas at High School, Whitfield & Southern; no secure vestibule at Southern).
 - 5. Undersized & outdated performing arts components at High School.
 - 6. Educational program equity issue between Southern and West.

PROJECTED ENROLLMENT

District Admin Building	-	-	-	-	-	-
High School	9th-12th	2,270	1,992	88.0%	2149	95.0%
West M.S.	6th-8th	1,295	729	56.0%	774	59.0%
Southern M.S.	6th-8th	961	762	79.0%	765	79.0%
Whitfield E.S.	K-5	600	596	99.0%	751	125.0%
Spring Ridge E.S.	K-5	625	512	82.0%	670	107.0%
Shiloh Hills E.S.	K-5	600	560	93.0%	563	94.0%
Green Valley E.S.	K-5	600	559	93.0%	590	98.0%
Cornwall Terrace E.S.	K-5	600	517	86.0%	659	110.0%
FACILITY	GRADE CONFIG.	CURRENT CAPACITY	CURRENT ENROLL.	CURRENT UTILIZATION	PROJECTED ENROLL.	REVISED UTILIZATION

*Numbers based on the average of the moderate and conservative enrollment projections for 2024/25 provided by DecisionInsite.

- Projected elementary enrollment (489 students) will result in 107% utilization.
- Projected middle school enrollment (48 students) will result in 69% utilization.
- Projected high school enrollment (157 students) will result in 95% utilization.

PROPOSED CONSTRUCTION OPTIONS

PURPOSE

Preliminary options are explored to assist the Board and Administration in the decision making process. These options represent a starting point to guide the planning process to address the following:

- Educational program and equity
- Provide adequate space for projected enrollment
- Address facility upgrades and improvements
- Establish financial parameters
- Prioritize projects and establish a timeline

The Board may elect to revise priorities and recommendations identified in the study, increase or decrease scope to established the desired budget.

PROPOSED SCOPE OF WORK:

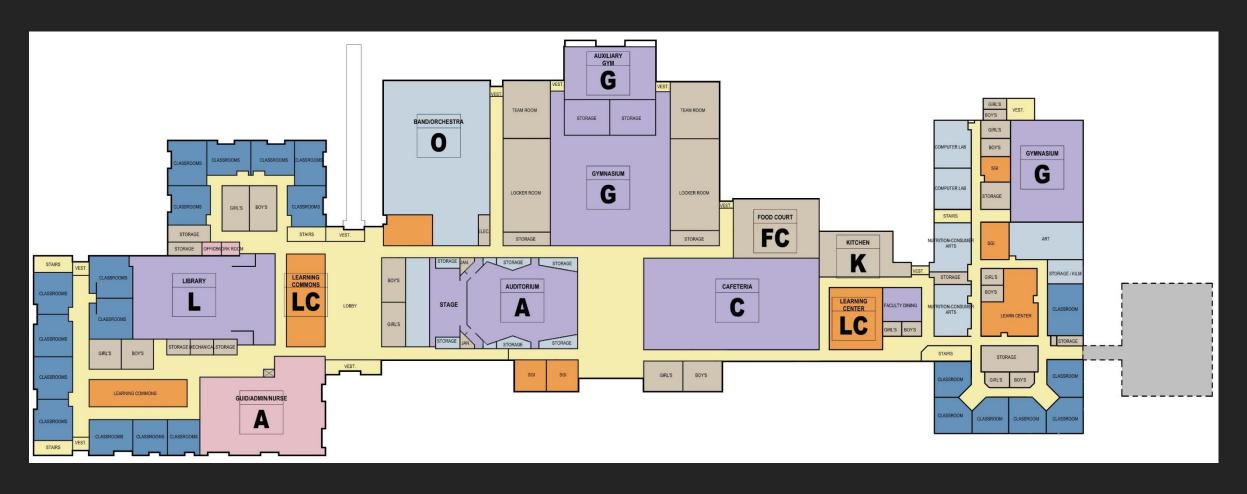
- Renovate Cornwall Terrace & Southern becomes 5-6 building.
- Renovate remaining elementary schools become K-4 facilities.
- Renovate West becomes a 7-8 building.
- Renovate and construction addition to High school (same for all options).
- Construct new K-4 elementary school.

- No additions at existing elementary schools required.
- 5-6 building eliminates two separate buildings on one site, provides space for potential relocation of DAO if desired/needed, and greatly improves organization & adjacencies.
- Requires maintenance/operation costs for additional building.

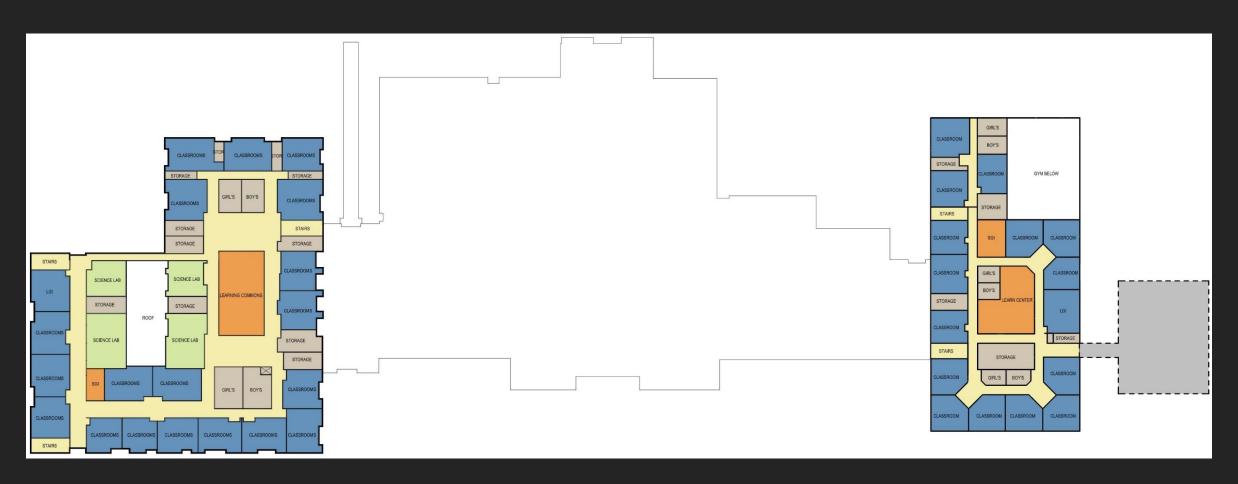
PROPOSED COST ESTIMATES

FACILITY	GRADE CONFIG.	PROJECTED ENROLL.	PLANNED CAPACITY	SF OF NEW CONSTR.	REVISED UTILIZATION	TOTAL ESTIMATED COST RANGE					
Cornwall Terrace E.S.	-	-	-		-	80)					
Green Valley E.S.	K-4	540	600	-	90.0%	\$ 1,890,329	to	\$	2,234,820		
Shiloh Hills E.S.	K-4	540	600	-	90.0%	\$ 1,350,526	to	\$	1,594,303		
Spring Ridge E.S.	K-4	550	625	-	88.0%	\$ 5,169,396	to	\$	5,734,130		
Whitfield E.S.	K-4	540	600		90.0%	\$ 6,928,022	to	\$	7,750,163		
Southern M.S.	5th-6th	1064	1,600	-	67.0%	\$ 26,269,445	to	\$	28,833,022		
West M.S.	7th-8th	1010	1,295	-	78.0%	\$ 1,652,500	to	\$	1,878,500		
High School	9th-12th	2149	2,550	110,000	84.0%	\$ 38,465,900	to	\$	41,223,467		
New Elementary School	K-4	530	600	90,000	88.0%	\$ 20,474,875	to	\$	21,523,375		
District Admin Building	-			-	-				-		
Total District		6923	8,470	200,000	84.4%	\$ 102,200,993		\$	110,771,780		

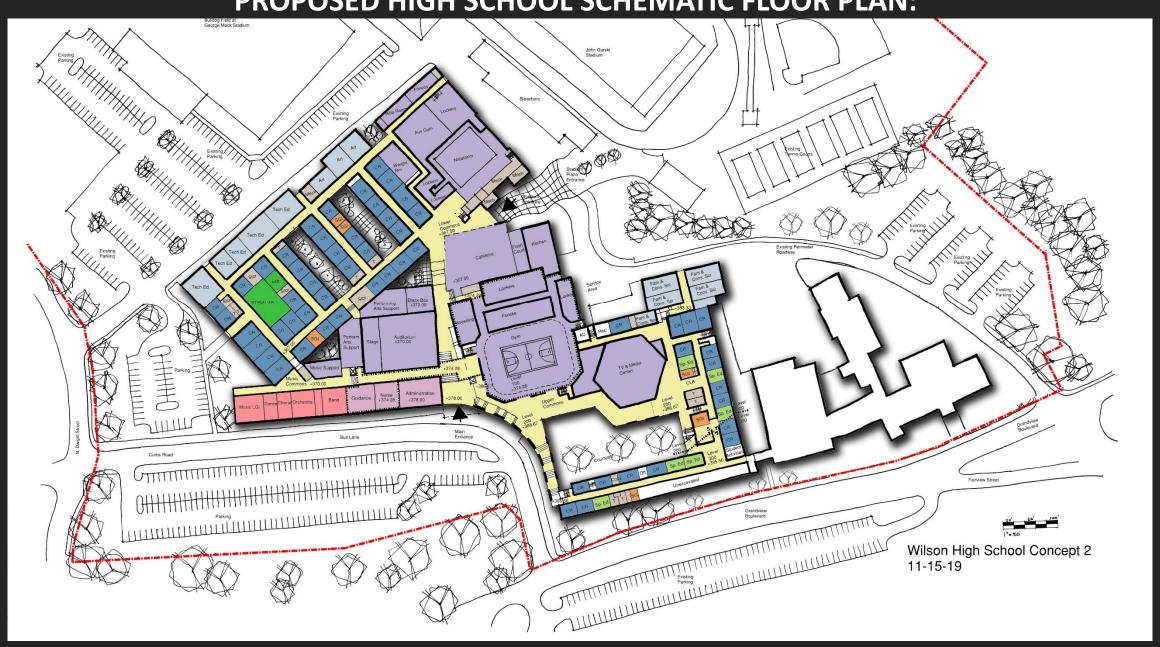
SOUTHERN/CORNWALL TERRACE MIDDLE SCHOOL 5-6 CONCEPTUAL FIRST FLOOR PLAN:



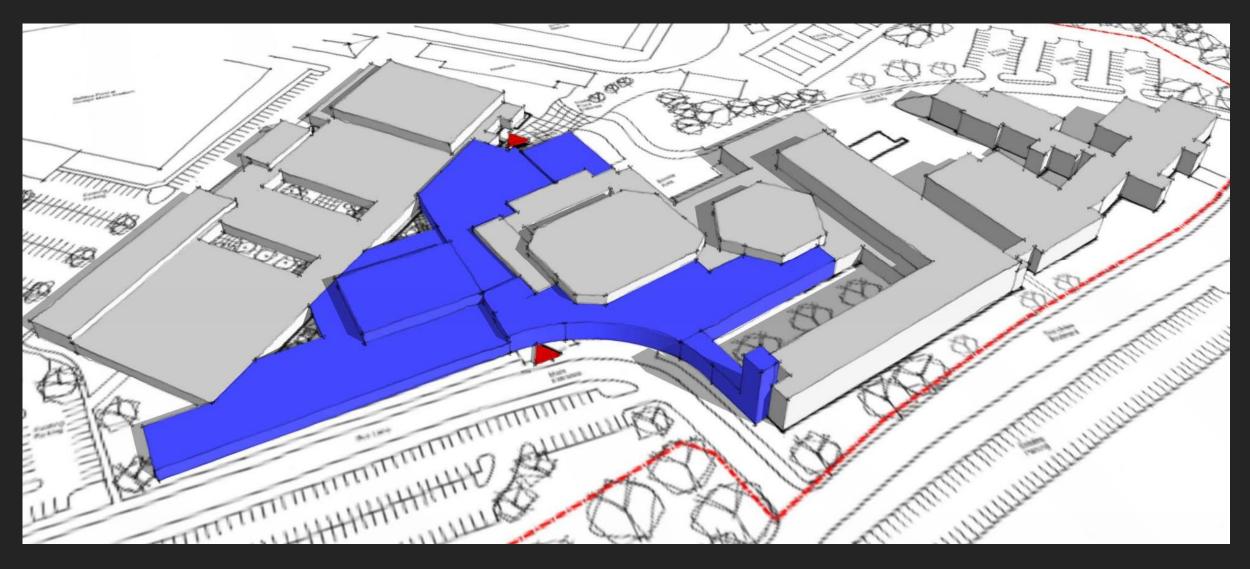
SOUTHERN/CORNWALL TERRACE MIDDLE SCHOOL 5-6 CONCEPTUAL SECOND FLOOR PLAN:



PROPOSED HIGH SCHOOL SCHEMATIC FLOOR PLAN:



PROPOSED HIGH SCHOOL SCHEMATIC MASSING PLAN:



PROPOSED NEW K-4 ELEMENTARY SCHOOL SCHEMATIC OVERALL FLOOR PLAN:



Existing District owned land

PROPOSED SCOPE OF WORK:

- Renovate all elementary schools become K-4 facilities.
- Renovate & construct additions to Southern becomes 5-6 building.
- Renovate West becomes a 7-8 building.
- Renovate & construct addition to high school.

- Requires no additions at existing elementary schools.
- Organization & adjacencies at Southern greatly improved.
- Requires additions at Southern, an already tight site.

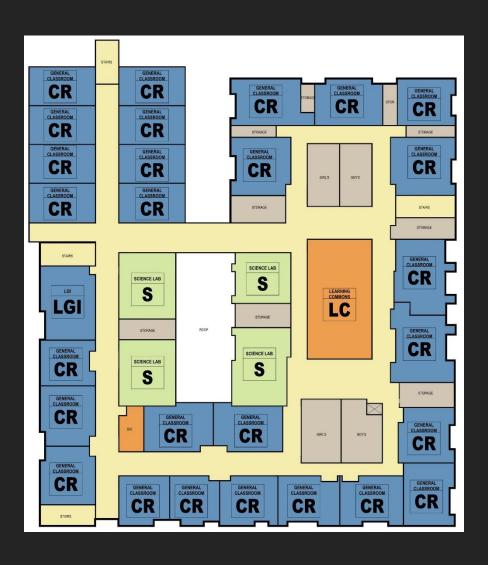
PROPOSED COST ESTIMATES:

Total District		6923	8,095	110,000	86.9%	\$ 89,437,970	25	\$	96,352,633	
District Admin Building	-		959	-					188	
High School	9th-12th	2149	2,550	110,000	84.0%	\$ 38,465,900	to	\$	41,223,467	
West M.S.	7th-8th	1010	1,295		78.0%	\$ 1,652,500	to	\$	1,878,500	
Southern M.S.	5th-6th	1064	1,225	25,000	87.0%	\$ 28,522,532	to	\$	30,063,862	
Whitfield E.S.	K-4	540	600		90.0%	\$ 6,928,022	to	\$	7,750,163	
Spring Ridge E.S.	K-4	550	625		88.0%	\$ 5,169,396	to	\$	5,734,130	
Shiloh Hills E.S.	K-4	540	600	-	90.0%	\$ 1,350,526	to	\$	1,594,303	
Green Valley E.S.	K-4	530	600		88.0%	\$ 1,890,329	to	\$	2,234,820	
Cornwall Terrace E.S.	K-4	540	600	-	90.0%	\$ 5,458,765	to	\$	5,873,388	
FACILITY	GRADE CONFIG.	PROJECTED ENROLL.**	PLANNED CAPACITY*	SF OF NEW CONSTR.	REVISED UTILIZATION	TOTAL ESTIMATED COST RANGE***				

SOUTHERN MIDDLE SCHOOL 5-6 CONCEPTUAL FIRST FLOOR PLAN:



SOUTHERN MIDDLE SCHOOL 5-6 CONCEPTUAL SECOND FLOOR PLAN:



PROPOSED OPTION #3: MAINTAIN GRADE ALIGNMENT

PROPOSED SCOPE OF WORK:

- Renovate & construct additions to all elementary schools.
- Renovate Southern.
- Renovate West.
- Renovate & construct addition to high school.

- Requires additions at all elementary schools, including Whitfield (very restrictive site).
- Proposed elementary school capacities range from 625 to 825.
- Does not improve the organization and adjacencies of the educational spaces at Southern.

PROPOSED OPTION #3: MAINTAIN GRADE ALIGNMENT

PROPOSED COST ESTIMATES:

FACILITY	GRADE CONFIG.	PROJECTED ENROLL.	PLANNED CAPACITY	SF OF NEW CONSTR.	REVISED UTILIZATION	TOTAL ESTIMATED COST RANGE					
Cornwall Terrace E.S.	K-5	659	725	5,800	90.0%	\$	6,451,345	to	\$	6,875,288	
Green Valley E.S.	K-5	590	650	3,150	90.0%	\$	2,487,974	to	\$	2,863,920	
Shiloh Hills E.S.	K-5	563	625	2,100	90.0%	\$	1,815,361	to	\$	2,060,303	
Spring Ridge E.S.	K-5	670	750	6,750	89.0%	\$	6,780,009	to	\$	7,379,693	
Whitfield E.S.	K-5	751	825	11,900	90.0%	\$	9,736,837	to	\$	10,639,363	
Southern M.S.	6th-8th	765	961	-	79.0%	\$	11,710,999	to	\$	12,961,079	
West M.S.	6th-8th	774	1,295	-	59.0%	\$	1,652,500	to	\$	1,878,500	
High School	9th-12th	2149	2,550	110,000	84.0%	\$	38,465,900	to	\$	41,223,467	
District Admin Building	-	-	:: <u>-</u>	-	_		S=S			(=)	
Total District		6921	8,381	139,700	83.9%	\$	79,100,925		\$	85,881,613	

PROPOSED SCOPE OF WORK:

- Renovate Cornwall Terrace & Southern becomes 5-6 building.
- Renovate remaining elementary schools become K-4 facilities.
- Construct additions to Green Valley, Shiloh Hills & Spring Ridge.
- Renovate West becomes a 7-8 building.
- Renovate & construct addition to high school.

- Additions at elementary schools pushes the planned capacity for these buildings to at least 800.
- 5-6 building eliminates two separate buildings on one site, provides space for potential relocation of DAO if desired/needed, and greatly improves organization and adjacencies.

PROPOSED COST ESTIMATES:

FACILITY	GRADE CONFIG.	PROJECTED ENROLL.	PLANNED CAPACITY	SF OF NEW CONSTR.	REVISED UTILIZATION	TOTAL ESTIMATED COST RANGE				
Cornwall Terrace E.S.	-	-	-	(4)	-	-			-	
Green Valley E.S.	K-4	715	800	10,350	89.0%	\$ 4,414,302	to	\$	4,937,620	
Shiloh Hills E.S.	K-4	715	800	10,350	89.0%	\$ 3,932,749	to	\$	4,297,103	
Spring Ridge E.S.	K-4	730	825	11,250	88.0%	\$ 7,950,834	to	\$	8,646,630	
Whitfield E.S.	K-4	540	600	i-	90.0%	\$ 6,928,022	to	\$	7,750,163	
Southern M.S.	5th-6th	1064	1,600	-	67.0%	\$ 26,269,445	to	\$	28,833,022	
West M.S.	7th-8th	1010	1,295	-	78.0%	\$ 1,652,500	to	\$	1,878,500	
High School	9th-12th	2149	2,550	110,000	84.0%	\$ 38,465,900	to	\$	41,223,467	
District Admin Building	-		-	-	_	-			-	
Total District	-	6923	8,470	141,950	83.6%	\$ 89,613,752		\$	97,566,505	

PROPOSED OPTION #5a: MAINTAIN GRADE ALIGNMENT

PROPOSED SCOPE OF WORK:

- All elementary and middle schools to be renovated.
- Renovate & construct addition to high school.
- Construct new K-5 elementary school.

- No additions and elementary or middle schools required.
- Does not improve the organization and adjacencies of the educational spaces at Southern.
- Requires maintenance/operation costs for additional building.

PROPOSED OPTION #5a: MAINTAIN GRADE ALIGNMENT

PROPOSED COST ESTIMATES:

FACILITY	GRADE CONFIG.	PROJECTED ENROLL.	PLANNED CAPACITY	PROPOSED SCOPE	SF OF NEW CONSTR.	REVISED UTILIZATION	TOTAL ESTIMATED COST RANGE				
Cornwall Terrace E.S.	K-5	515	600	reno	-	85.0%	\$	5,458,765	to	\$	5,873,388
Green Valley E.S.	K-5	515	600	reno	-	85.0%	\$	1,890,329	to	\$	2,234,820
Shiloh Hills E.S.	K-5	515	600	reno	-	85.0%	\$	1,350,526	to	\$	1,594,303
Spring Ridge E.S.	K-5	550	625	reno	-	88.0%	\$	5,169,396	to	\$	5,734,130
Whitfield E.S.	K-5	515	600	reno	-	85.0%	\$	6,928,022	to	\$	7,750,163
Southern M.S.	6th-8th	765	961	reno	-	79.0%	\$	11,711,000	to	\$	12,961,078
West M.S.	6th-8th	774	1,295	maint. reno	-	59.0%	\$	1,652,500	to	\$	1,878,500
High School	9th-12th	2149	2,550	add/reno	110,000	84.0%	\$	38,465,900	to	\$	41,223,467
New Elementary School	K-5	625	700	new	95,000	89.0%	\$	21,474,875	to	\$	22,573,375
District Admin Building			-	maintain	-	-	Ä v	5			100
Total District	-	6923	8,531		205,000	82.1%	\$	94,101,313		\$	101,823,224

PROPOSED OPTION #5b: MAINTAIN GRADE ALIGNMENT

PROPOSED SCOPE OF WORK:

- All elementary and middle schools to be renovated.
- Southern M.S. to receive comprehensive renovations.
- Renovate & construct addition to high school.
- Construct new K-5 elementary school.

- No additions and elementary or middle schools required.
- The organization and adjacencies of the educational spaces at Southern M.S. are greatly improved.
- Requires maintenance/operation costs for additional building.

PROPOSED OPTION #5b: MAINTAIN GRADE ALIGNMENT

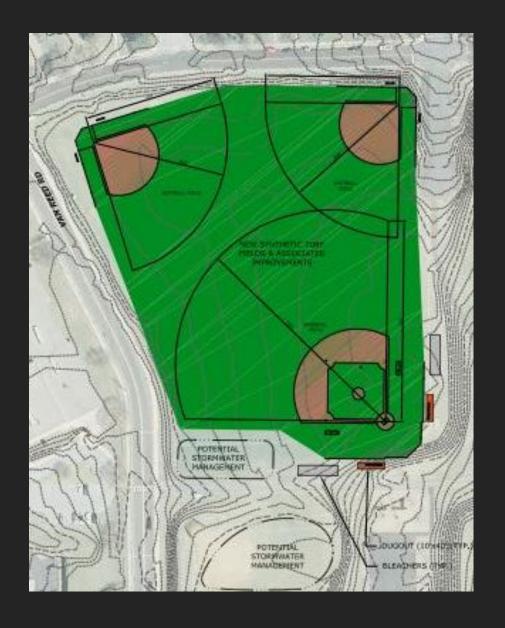
PROPOSED COST ESTIMATES:

FACILITY	GRADE CONFIG.	PROJECTED ENROLL.	PLANNED CAPACITY	PROPOSED SCOPE	SF OF NEW CONSTR.	REVISED UTILIZATION	TOTAL ESTIMATED COST RANGE				
Cornwall Terrace E.S.	K-5	515	600	reno	102	85.0%	\$	5,458,765	to	\$	5,873,388
Green Valley E.S.	K-5	515	600	reno	(-	85.0%	\$	1,890,329	to	\$	2,234,820
Shiloh Hills E.S.	K-5	515	600	reno	2	85.0%	\$	1,350,526	to	\$	1,594,303
Spring Ridge E.S.	K-5	550	625	reno	-	88.0%	\$	5,169,396	to	\$	5,734,130
Whitfield E.S.	K-5	515	600	reno	-	85.0%	\$	6,928,022	to	\$	7,750,163
Southern M.S.	6th-8th	765	961	reno	-	79.0%	\$	22,697,532	to	\$	23,947,610
West M.S.	6th-8th	774	1,295	maint. reno		59.0%	\$	1,652,500	to	\$	1,878,500
High School	9th-12th	2149	2,550	add/reno	110,000	84.0%	\$	38,465,900	to	\$	41,223,467
New Elementary School	K-5	625	700	new	95,000	89.0%	\$	21,474,875	to	\$	22,573,375
District Admin Building	-		12	maintain	3	_		12			
Total District	- 0	6923	8,531		205,000	82.1%	\$	105,087,845		\$	112,809,756

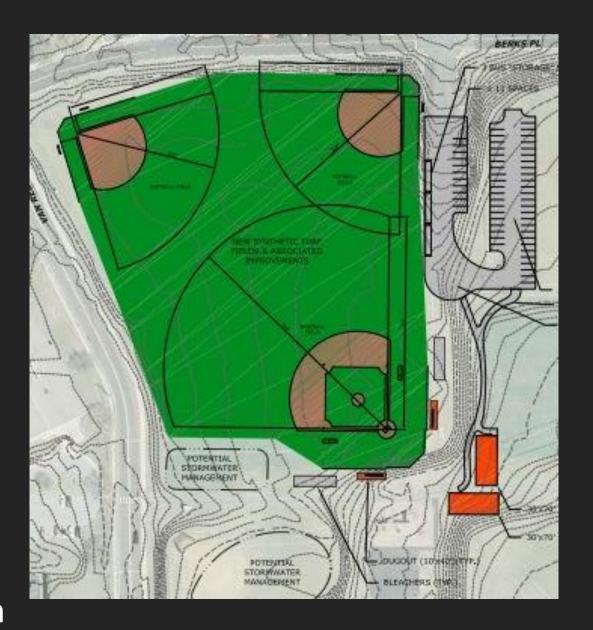
- Estimated total project cost: \$2,887,935.
- Scope includes the following:
 - 1. New natural grass competition baseball & softball fields.
 - 2. New scoreboards
 - 3. New bleachers & pressbox
 - 4. New dugouts
 - 5. New batting cages and bullpens
 - 6. Field lighting
 - 7. Address drainage issues at West MS stadium



- Estimated total project cost: \$4,598,400.
- Scope includes the following:
 - 1. Same as Option #1 with the exception the new competition baseball & softball fields are synthetic turf.



- Estimated total project cost: \$6,026,830.
- Scope includes the following:
 - 1. New synthetic turf competition baseball & softball fields.
 - 2. New scoreboards
 - 3. New bleachers & pressbox
 - 4. New dugouts
 - 5. New batting cages and bullpens
 - 6. Field lighting
 - 7. New restrooms/concession building
 - 8. New locker room building
 - 9. New parking lot & drop-off space
 - 10. Address drainage at West MS stadium

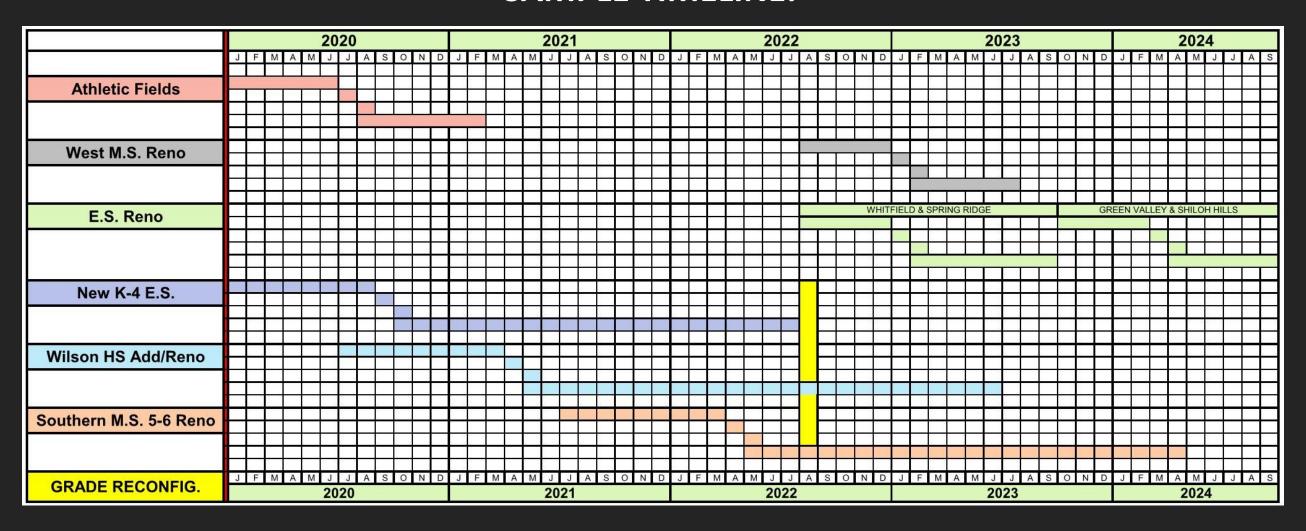


- Estimated total project cost: \$8,759,630.
- Scope includes the following:
 - 1. New synthetic turf competition baseball and practice softball fields.
 - 2. Upgrade existing competition softball field and multi-purpose field to new synthetic turf fields.
 - 3. New scoreboards
 - 4. New bleachers & pressbox
 - 5. New dugouts
 - 6. New batting cages & bullpens
 - 7. Field lighting for all synthetic turf fields
 - 8. New restrooms/concession building and locker room building
 - 9. New parking lot and additional drop-off space
 - 10. Address drainage at West MS stadium.

PROPOSED SITE PLAN:



SAMPLE TIMELINE:



NEXT STEPS

- Provide additional information as requested by the Board
- Revise options as directed by the Board
- Establish financial parameters
- Prioritize projects and select option
- Establish timeline



Providing a client oriented approach to architecture

Questions/Discussions



Crabtree, Rohrbaugh & Associates www.cra-architects.com