



Feasibility Study Update

Glenwood Elementary School

Indian Lane Elementary School

Media Elementary School

Rose Tree Elementary School

Springton Lake Middle School

Penncrest High School

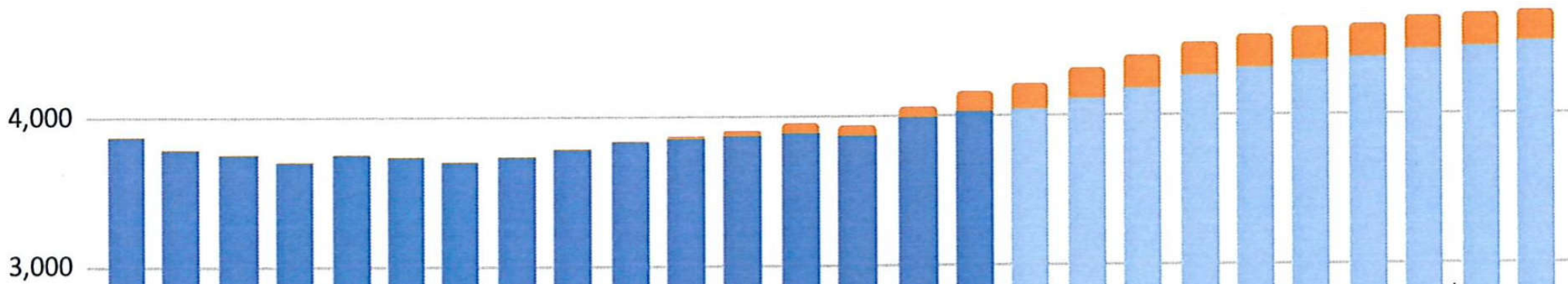
PROGRAM EVALUATION

Enrollment Projections

- Developed by Montgomery Educational Consultants and presented in 2022.
- Shows an increased enrollment over the next 10 years.
 - 5-year projection of 382 students.
 - 10-year projection of 534 students.
- New Elementary School being planned.

School Enrollment History and 10 Year Projections

Year	K	1	2	3	4	5	6	7	8	9	10	11	12
2015/16	241	284	284	302	286	288	311	288	265	319	293	298	320
2016/17	266	296	287	280	298	287	288	324	295	283	329	294	312
2017/18	243	323	302	292	292	305	287	297	320	292	281	329	304
2018/19	278	283	325	304	300	297	309	292	289	319	298	276	338
2019/20	232	334	305	337	313	320	304	319	299	289	316	301	284
2020/21	286	277	328	307	330	317	306	302	316	283	282	303	302
2021/22	285	345	295	333	310	341	318	317	301	323	281	291	324
2022/23	282	356	358	307	339	318	345	319	320	300	318	278	321
2023/24	269	336	368	369	317	348	322	350	320	320	301	320	278
2024/25	288	323	345	377	375	324	351	324	351	320	322	299	322
2025/26	309	336	331	353	381	382	328	355	326	353	321	322	302
2026/27	311	355	346	339	355	389	383	333	353	328	352	320	326
2027/28	290	365	365	349	343	362	391	387	333	355	328	352	323
2028/29	283	343	374	370	352	348	363	393	388	334	356	329	354
2029/30	285	337	353	383	378	360	349	365	391	385	334	355	333
2030/31	284	336	349	361	390	383	362	351	366	393	387	335	358
2031/32	281	330	345	356	368	397	386	365	352	367	395	388	338
2032/33	278	328	340	353	363	373	400	389	366	351	369	396	391



PROGRAM EVALUATION

EVALUATIVE CRITERIA:

- Looking for compromises to the Educational Program because of Facility Limitations.
- Parity between Elementary Schools
- Planning for Future Enrollment Projections

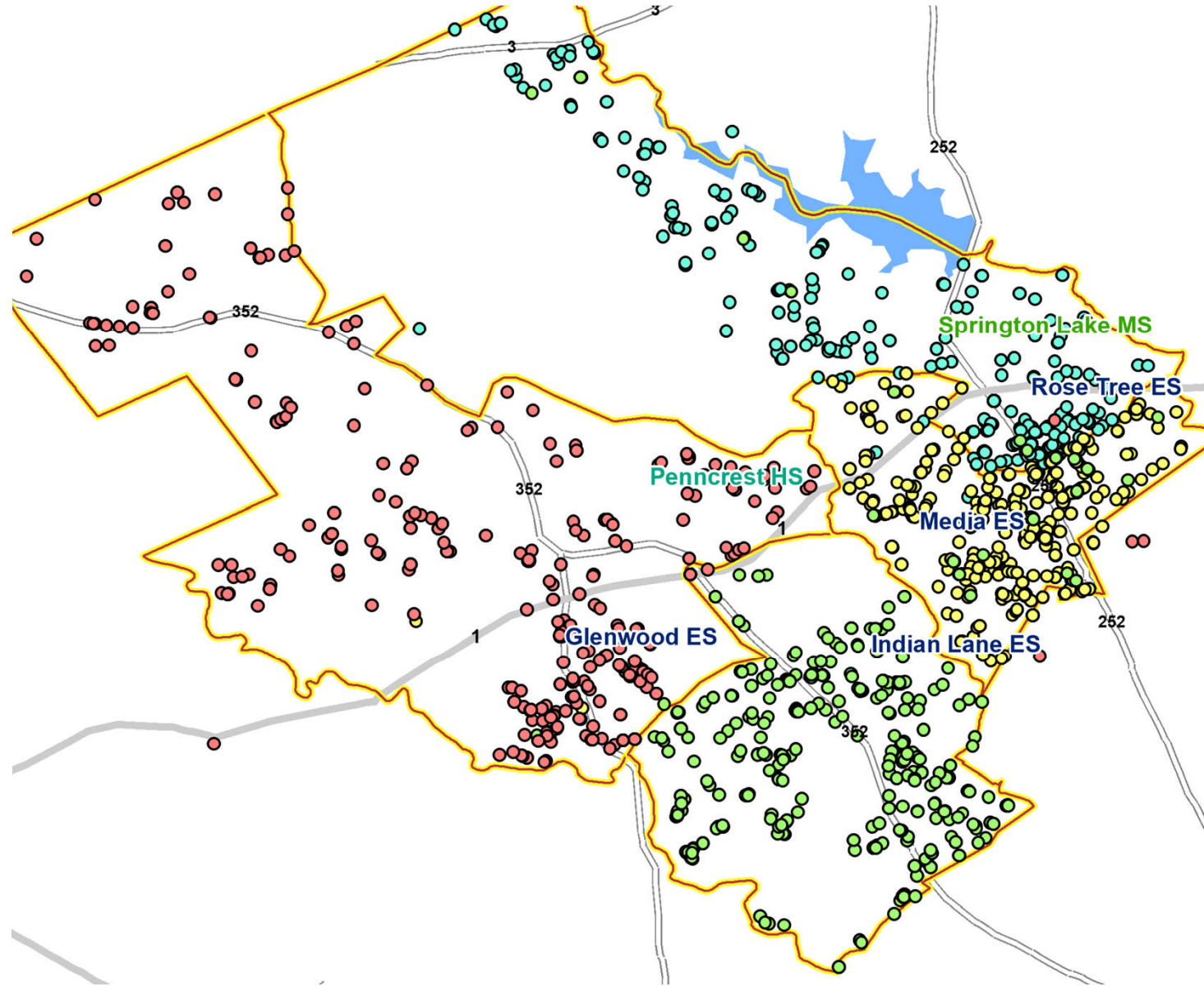
Common Concerns:

- Elementary Students don't have enough time to eat
 - Students eat by grade.
 - Cafeterias are too small to accommodate more than one grade at a time. Some schools have a single serving line.
 - Lunches start at 11:05AM and finish at 1:25PM. Each grade gets 25 minutes. Students spend 10 – 15 minutes waiting in the serving line.
 - Ideally, cafeterias would be large enough to house 2 grades.
- Lack of flexible Small Group meeting space.
- Modernization of Libraries
- Lack of Storage Space.

PROGRAM IMPROVEMENT DESIGN OPTIONS

IMPACT OF NEW ELEMENTARY SCHOOL

- Many concerns currently raised at the elementary schools will be addressed with the construction of a new elementary school already being planned.
- This study considers improvements that still may want to be considered after completion of the new facility to address items remaining after the population of the school is reduced.



FACILITY EVALUATION - COMMON

Recent Major Renovations:

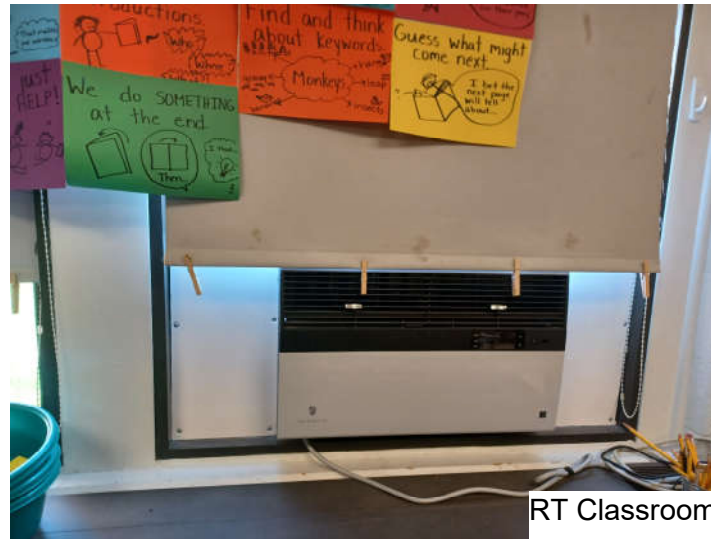
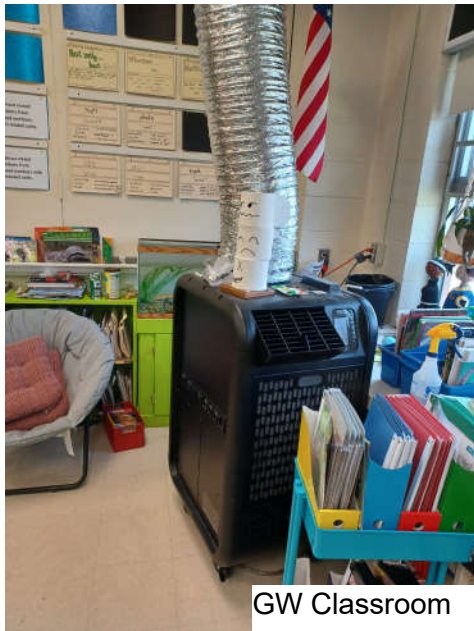
- 2012 – Springton Lake Middle School
 - Originally built 1970
 - Auditorium addition and interior upgrades
- 2001 – Penncrest High School
 - Originally built 1955 (with multiple additions)
 - Gymnasium addition and interior upgrades
- 1996 – Rose Tree Elementary School
 - Originally built 1950 (with multiple additions)
 - Cafeteria addition and interior upgrades
- 1994 – Media Elementary School
 - Originally built 1913 and 1928
 - Complete interior renovation
- 1992 – Indian Lane Elementary School
 - Originally built 1959
 - Complete interior renovation
- 1968 – Glenwood Elementary School
 - Originally built 1962
 - North wing addition and interior upgrades in 1968
 - Library addition in 1995



FACILITY EVALUATION - COMMON

Common Concerns:

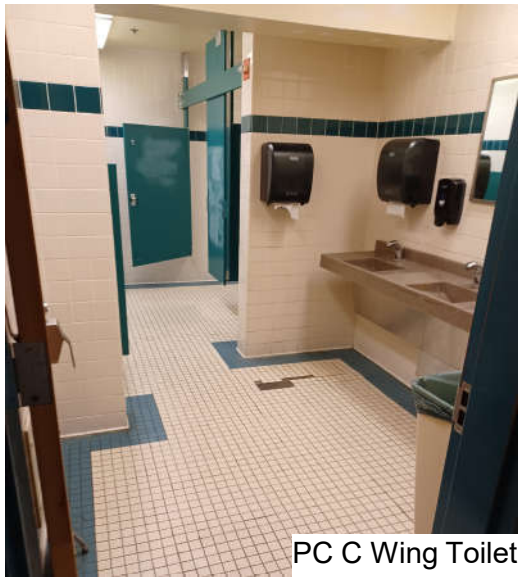
- Mechanical system updates are required to replace old units; add A/C; address excess humidity; upgrade from outdated control systems; and would update to current ventilation codes
- Lighting upgrades to update all lights to LED; add automatic controls; update exit signs; and evaluate light levels can be done as part of other renovations



FACILITY EVALUATION - COMMON

Common Updates:

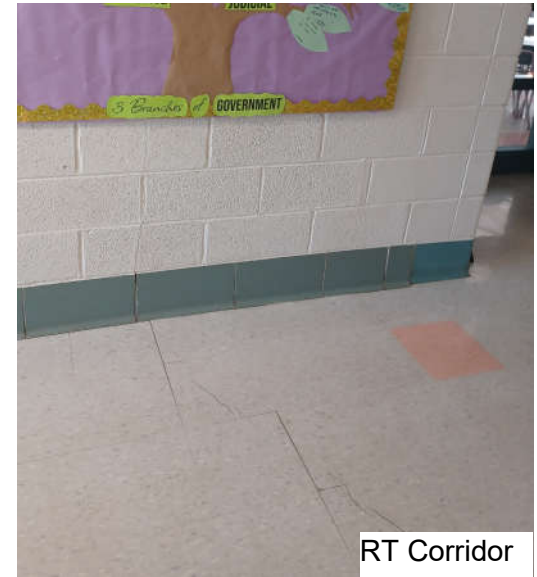
- Toilet Room Modernizations would help to upgrade finishes and fixtures; allow for code updates; and would evaluate that fixtures counts are adequate. [Penncrest, Glenwood, Indian Lane, Media, Rose Tree]
 - Cost Estimates: \$550 / sqft
- Classroom Modernizations would address damaged finishes; provide adequate and working casework; provide adequate visual displays; and verify classroom layouts are still effective [Glenwood, Indian Lane, Media, Rose Tree]
 - Cost Estimates: \$100 / sqft
- Corridors Modernizations would address damaged floor, wall, and ceiling finishes; would provide a unified look for schools; and would be an immediate building improvement. [Penncrest, Glenwood, Rose Tree]
 - Cost Estimates: \$60 / sqft



PC C Wing Toilet



GW Classroom



RT Corridor

PROGRAM EVALUATION

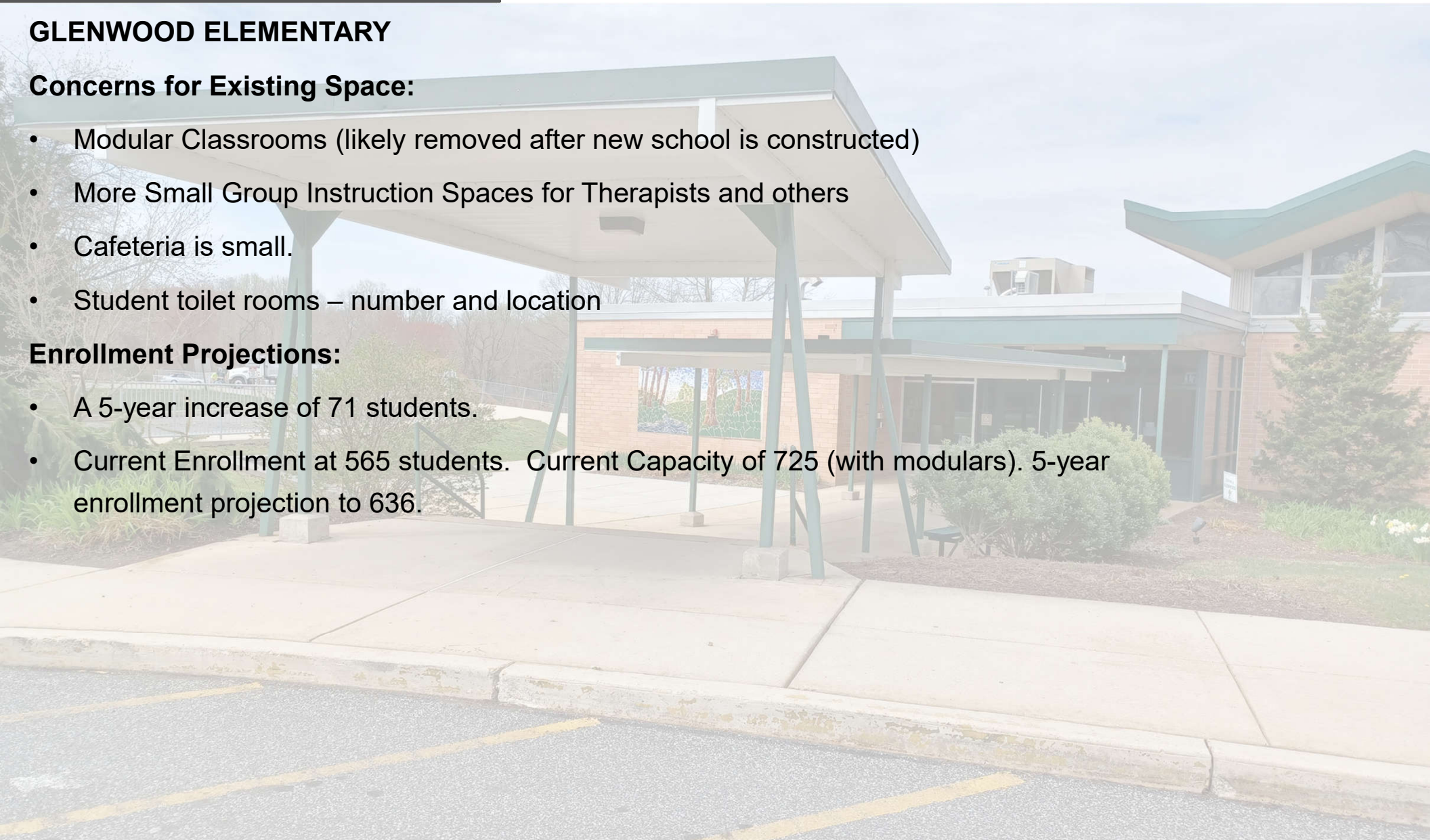
GLENWOOD ELEMENTARY

Concerns for Existing Space:

- Modular Classrooms (likely removed after new school is constructed)
- More Small Group Instruction Spaces for Therapists and others
- Cafeteria is small.
- Student toilet rooms – number and location

Enrollment Projections:

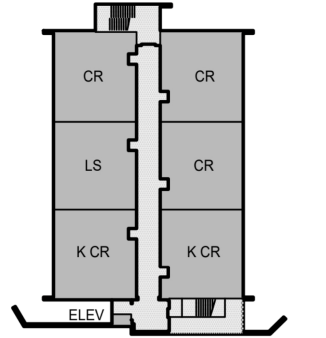
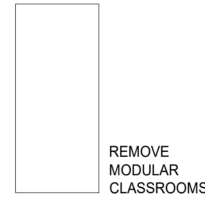
- A 5-year increase of 71 students.
- Current Enrollment at 565 students. Current Capacity of 725 (with modulars). 5-year enrollment projection to 636.



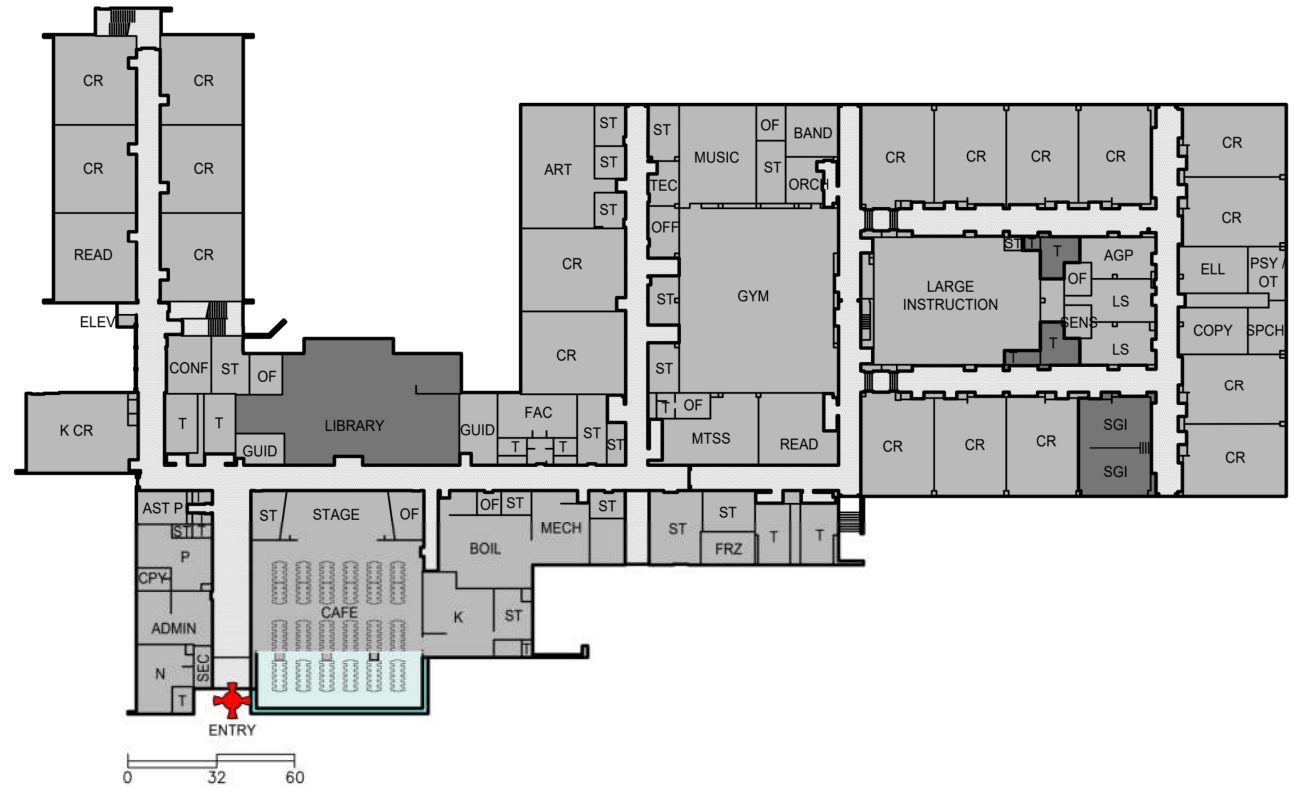
PROGRAM IMPROVEMENT DESIGN OPTIONS

GLENWOOD ELEMENTARY DESIGN OPTION 1

- Remove Modular CRs
- Modernization of Library
- Expand Cafeteria
 - Existing seating of 168 students expanded to 240.
- Add Toilet Rooms
- Divide classroom with operable partition to create two Small Group Instruction spaces.
- Assumes a reduction of students after new school is constructed. Reduction of three classrooms.



LOWER LEVEL FLOOR PLAN



FACILITY EVALUATION

GLENWOOD ELEMENTARY

Programmatic Renovations:

- Est. \$2,500,000 for cafeteria addition
- Est. \$1,300,000 for additional toilets and SGIs in Hallways 7, 8, and 9
- Est. \$450,000 for new furniture and finishes in media center

Mechanical Upgrades:

- Est. \$3,362,000 to replace units, add A/C, replacing piping, and upgrade control system

Toilet Room Modernizations:

- Est. an average of \$315,000 per toilet room group
- Est. \$1,885,000 for all toilet rooms

Classroom Modernizations:

- Est. an average of \$142,000 per classroom
- Est. \$3,810,000 for all classrooms

Corridor Updates:

- Est. an average of \$145,000 per corridor
- Est. \$1,300,000 for all corridors

FACILITY EVALUATION

GLENWOOD ELEMENTARY

Curb Cut Upgrade:

- Update curb cut and sidewalk access from ADA parking stalls
- Est. \$15,000

Overhang Repairs:

- Repair overhangs at exterior doors in Corridor 9
- Est. \$18,000

Doors:

- Replace all interior doors due to damage and age
- Replace door hardware to meet current standards
- Est \$1,500 per door or \$250,000 for all doors

Retaining Walls:

- Repair wood retaining wall by K playground
- Repair brick retaining wall by upper playground
- Est \$60,000.00

ADA Lift:

- Add ADA lift to stage per code updates
- Est \$175,000

PROGRAM EVALUATION

INDIAN LANE ELEMENTARY

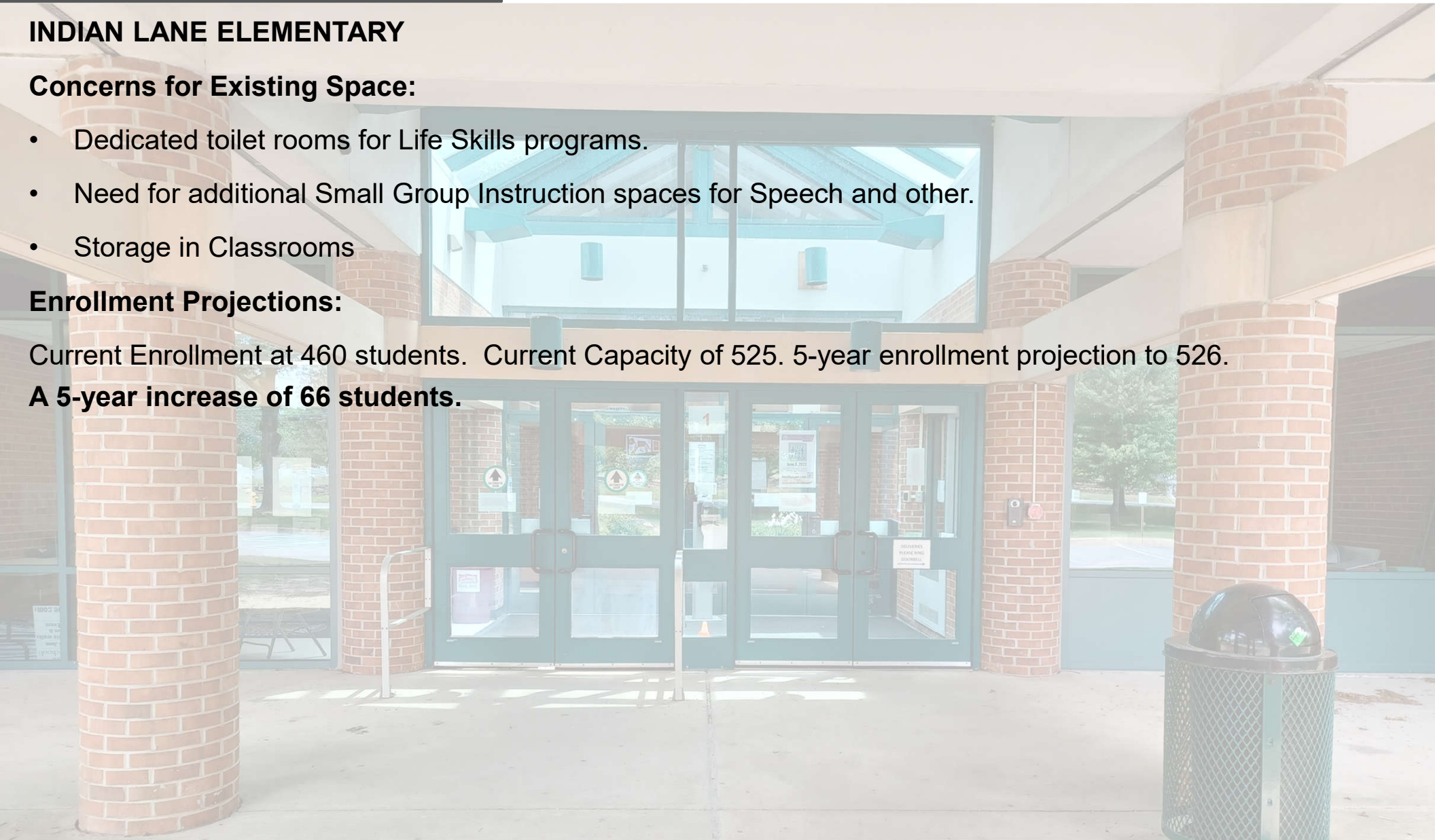
Concerns for Existing Space:

- Dedicated toilet rooms for Life Skills programs.
- Need for additional Small Group Instruction spaces for Speech and other.
- Storage in Classrooms

Enrollment Projections:

Current Enrollment at 460 students. Current Capacity of 525. 5-year enrollment projection to 526.

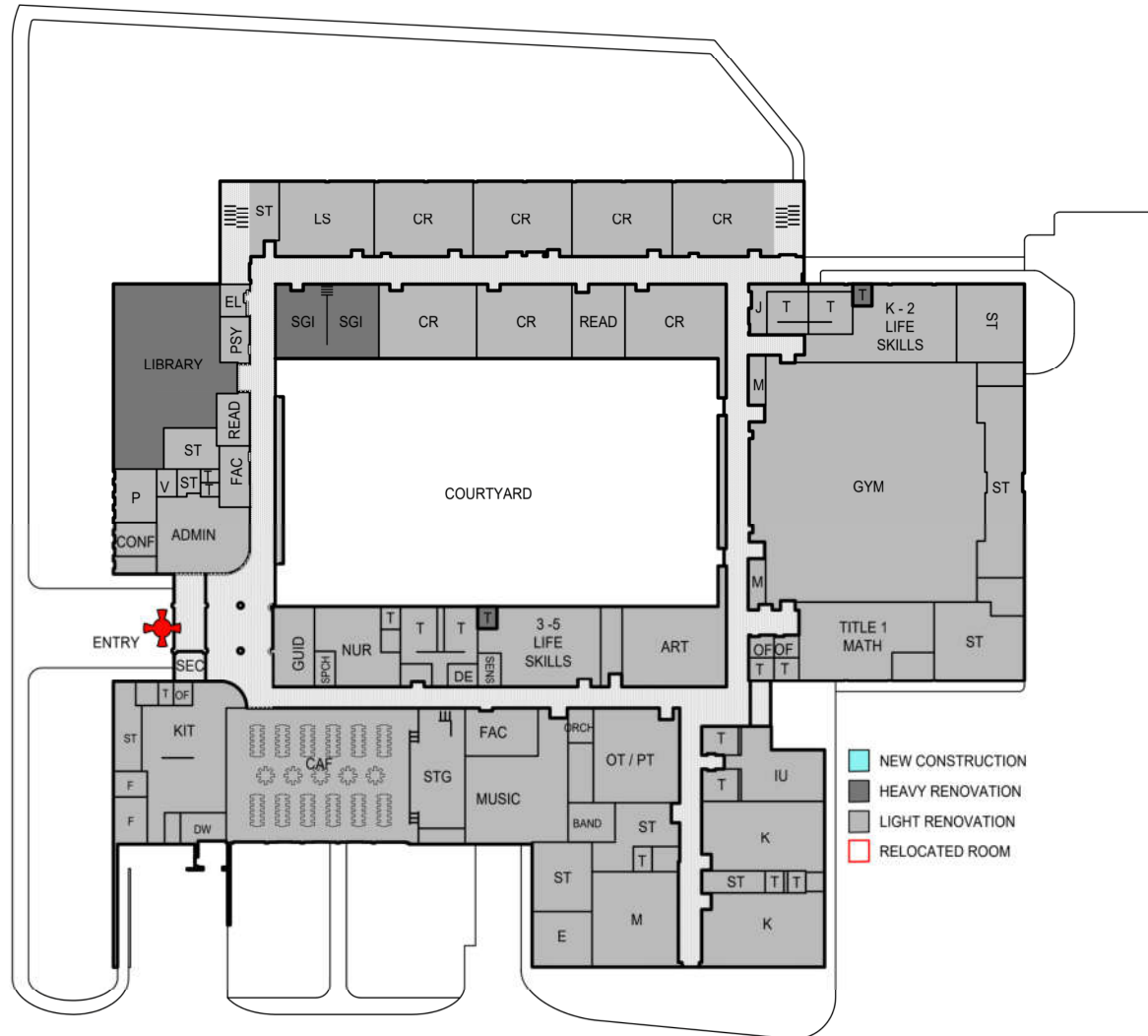
A 5-year increase of 66 students.



PROGRAM IMPROVEMENT OPTIONS

INDIAN LANE ELEMENTARY – DESIGN OPTION 1

- Modernization of Library
- Add Toilet Rooms to both Life Skills Rooms
- Divide classroom with operable partition to create two Small Group Instruction spaces.
- Assumes a reduction of students after new school is constructed. Reduction of one classroom.



FACILITY EVALUATION

INDIAN LANE ELEMENTARY

Programmatic Renovations:

- Est. \$630,000 for new life skill's toilet rooms
- Est. \$420,000 for new SGIs
- Est. \$437,000 for new finishes and furniture in media center

Mechanical Upgrades:

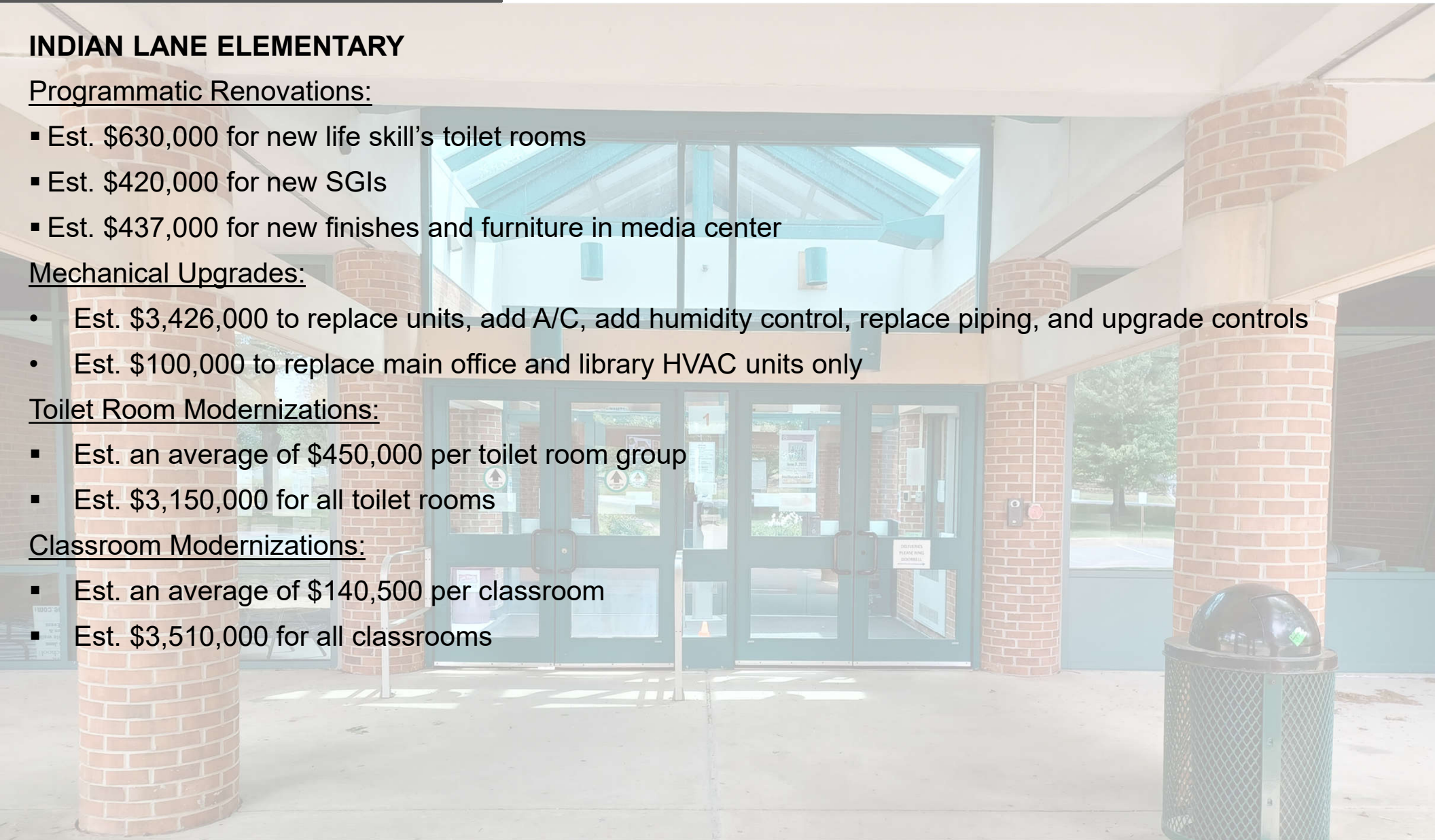
- Est. \$3,426,000 to replace units, add A/C, add humidity control, replace piping, and upgrade controls
- Est. \$100,000 to replace main office and library HVAC units only

Toilet Room Modernizations:

- Est. an average of \$450,000 per toilet room group
- Est. \$3,150,000 for all toilet rooms

Classroom Modernizations:

- Est. an average of \$140,500 per classroom
- Est. \$3,510,000 for all classrooms



FACILITY EVALUATION

INDIAN LANE ELEMENTARY

EIFs Repair:

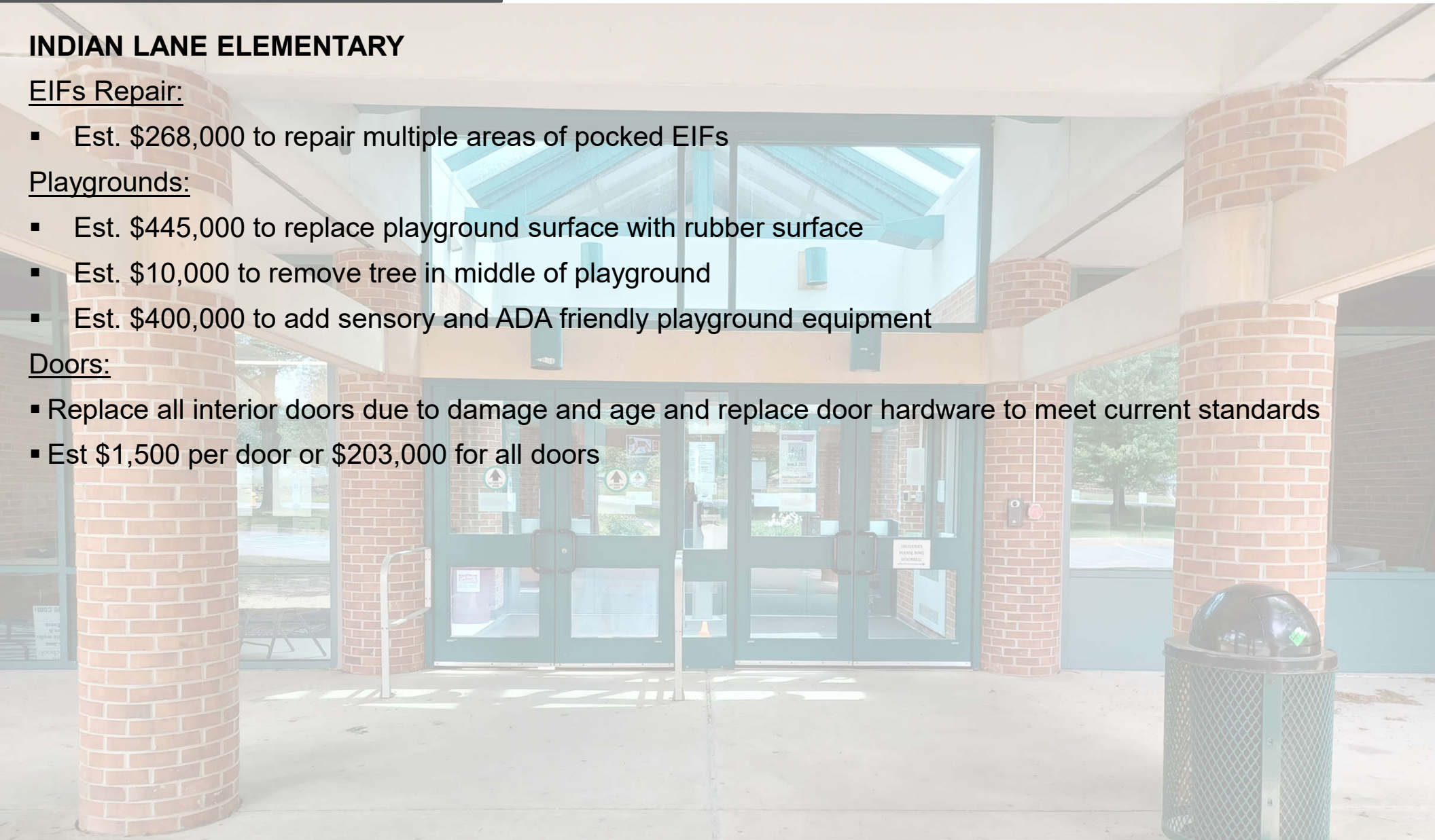
- Est. \$268,000 to repair multiple areas of pocked EIFs

Playgrounds:

- Est. \$445,000 to replace playground surface with rubber surface
- Est. \$10,000 to remove tree in middle of playground
- Est. \$400,000 to add sensory and ADA friendly playground equipment

Doors:

- Replace all interior doors due to damage and age and replace door hardware to meet current standards
- Est \$1,500 per door or \$203,000 for all doors



PROGRAM EVALUATION

MEDIA ELEMENTARY

Concerns for Existing Space:

- Second Learning Support Room
- Additional Small Group Instruction spaces for Reading and others.

Enrollment Projections:

Current Enrollment at 490 students. Current Capacity of 650. 5-year enrollment projection to 514; a small increase of 24 students.

FACILITY EVALUATION

MEDIA ELEMENTARY

Programmatic Renovations:

- Est. \$2,300,000 for cafeteria addition
- Est. \$1,500,000 for science room conversions
- Est. \$450,000 for media center renovations

Mechanical Upgrades:

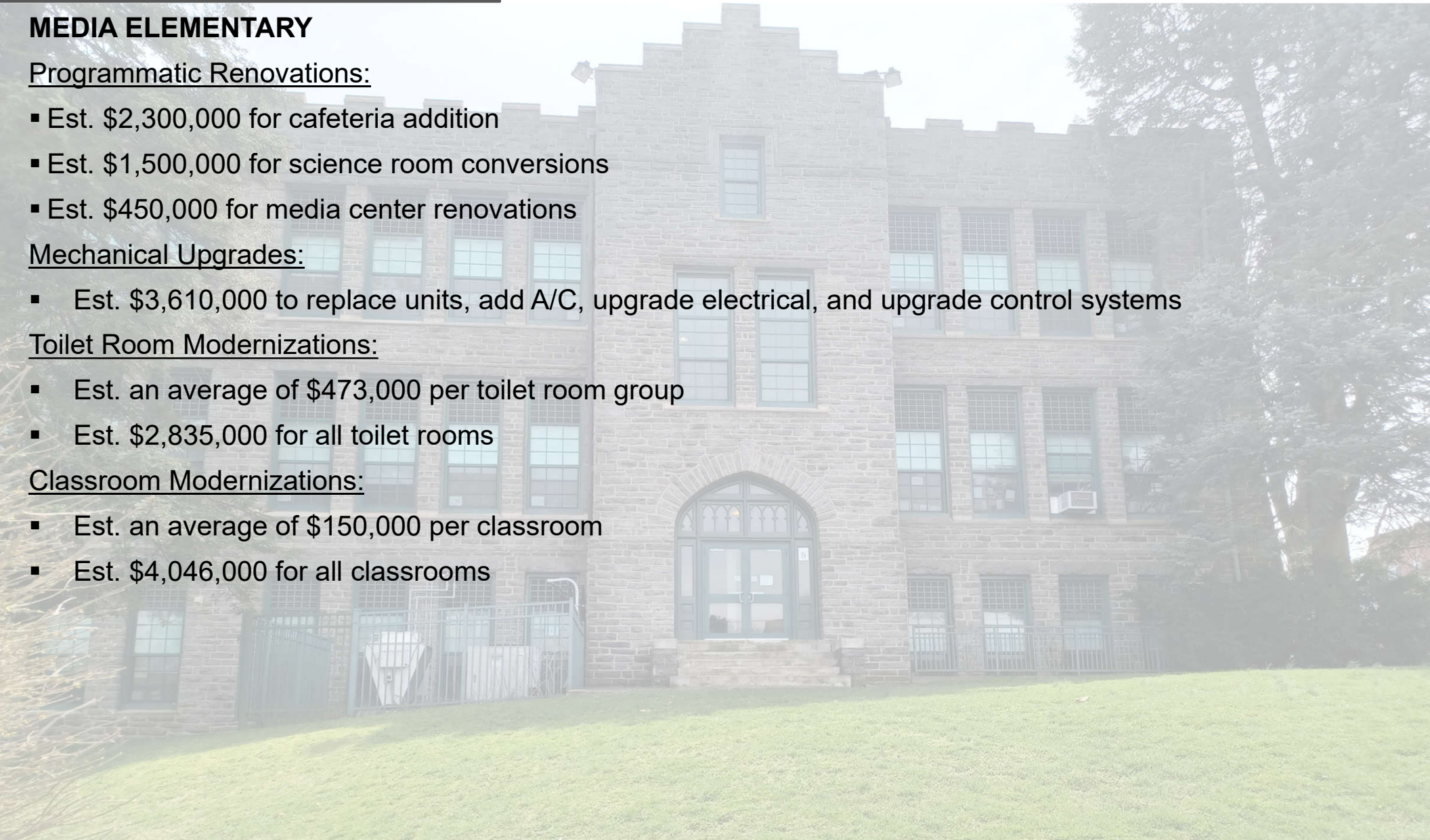
- Est. \$3,610,000 to replace units, add A/C, upgrade electrical, and upgrade control systems

Toilet Room Modernizations:

- Est. an average of \$473,000 per toilet room group
- Est. \$2,835,000 for all toilet rooms

Classroom Modernizations:

- Est. an average of \$150,000 per classroom
- Est. \$4,046,000 for all classrooms



FACILITY EVALUATION

MEDIA ELEMENTARY

Replace Skylight:

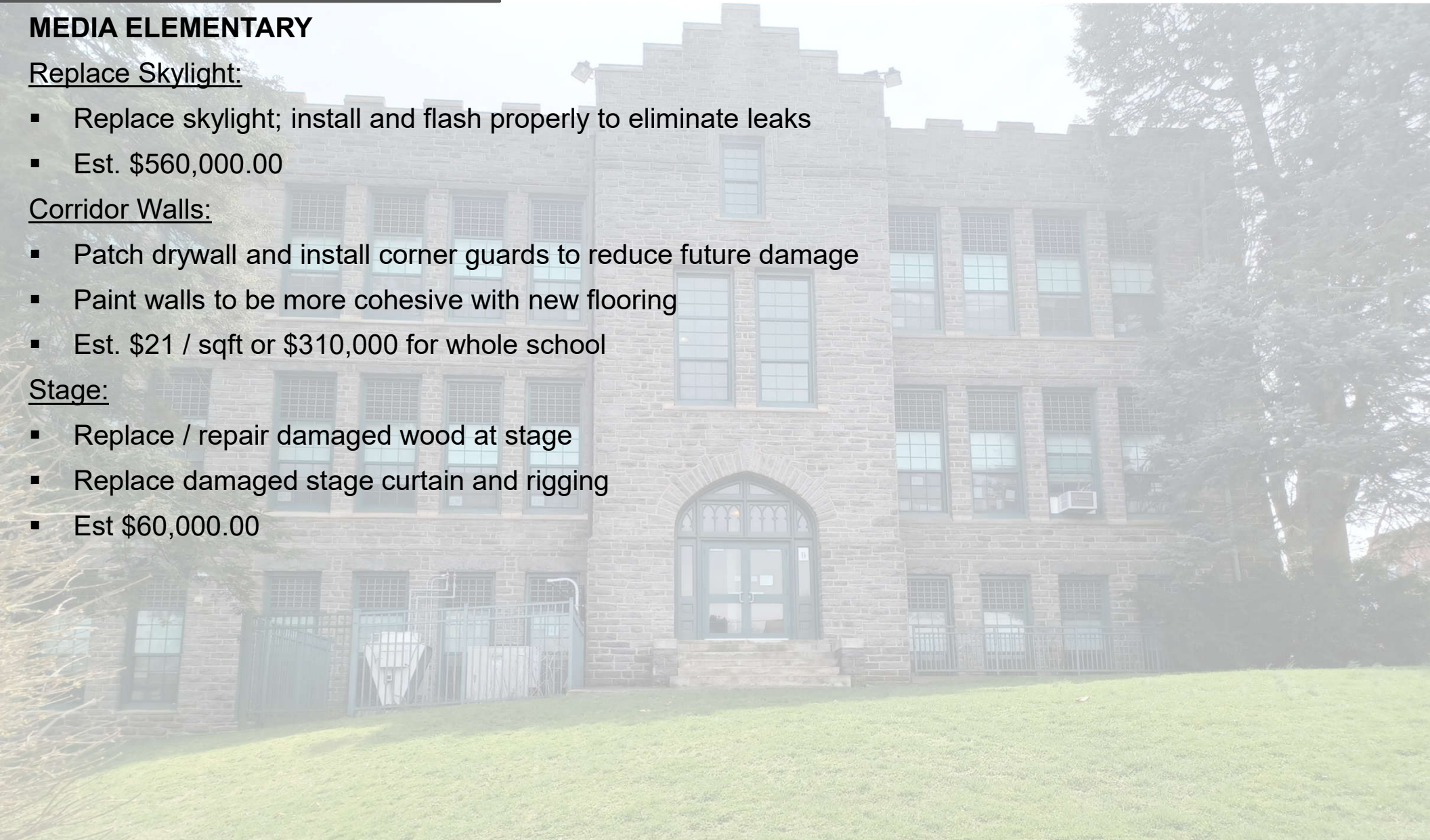
- Replace skylight; install and flash properly to eliminate leaks
- Est. \$560,000.00

Corridor Walls:

- Patch drywall and install corner guards to reduce future damage
- Paint walls to be more cohesive with new flooring
- Est. \$21 / sqft or \$310,000 for whole school

Stage:

- Replace / repair damaged wood at stage
- Replace damaged stage curtain and rigging
- Est \$60,000.00



PROGRAM EVALUATION

ROSE TREE ELEMENTARY

Concerns for Existing Space:

- Modular Classrooms should be removed after new elementary school is constructed.
- Gymnasium too small to accommodate two PE classes as occurs at other 3 elementary schools.
- Students rushed to eat Lunch. Serving takes too long. Not enough seating in Cafeteria to accommodate two lunch periods at the same time. Kitchen is smallest in District.
- Sound from the lower level Music rooms is disruptive to the Regular Education Classrooms above.
- Additional Small Group Instruction Spaces would provide dedicated space for computer tech, Occupational Therapy who current share space with other programs leading to occasional conflicts.
- Toilet placement and number.

Enrollment Projections:

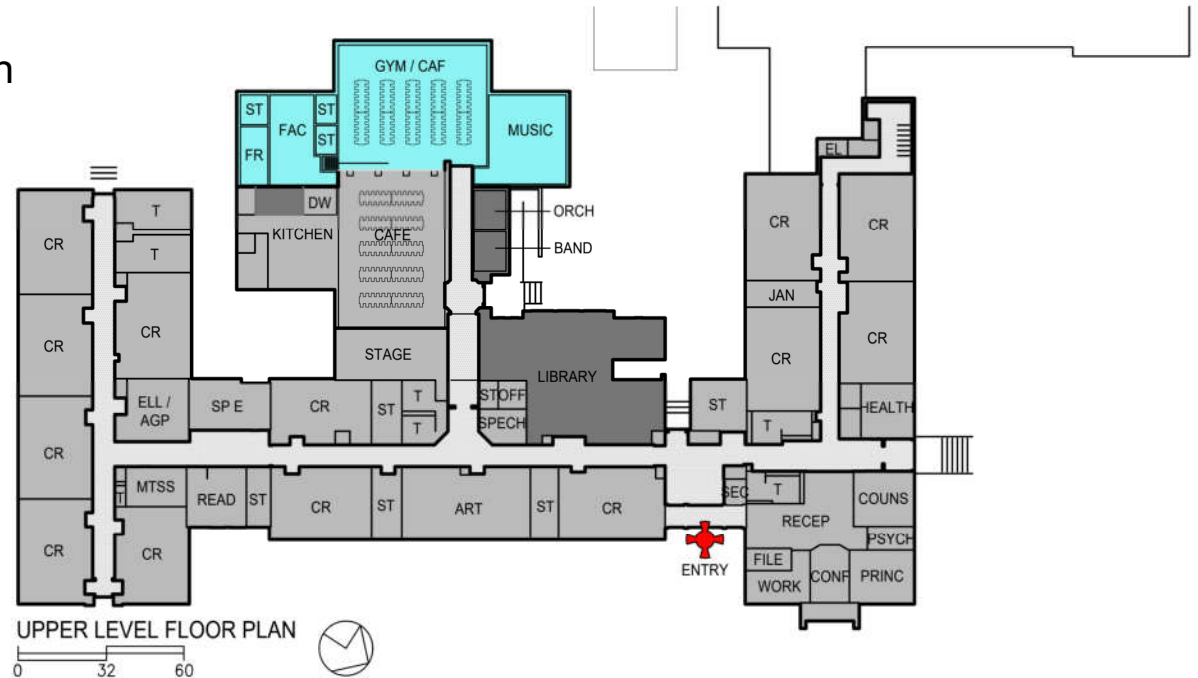
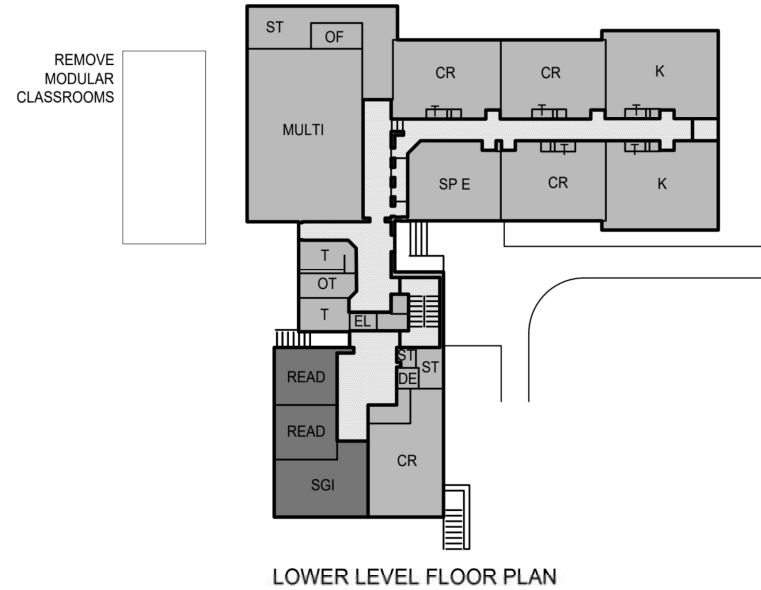
Current Enrollment at 445 students. Current Capacity of 525 (with modulars). 5-year enrollment projection to 437. A decrease in enrollment is predicted.

PROGRAM IMPROVEMENT OPTIONS

ROSE TREE ELEMENTARY

DESIGN OPTION 1

- Remove Modular CRs
- New Multipurpose Room. Utilize as both a cafeteria & an additional PE station.
 - Would require the creation of additional hard play area.
- Construct new Music Room. Develop existing space as Small Group Instruction Rooms.
- Modernization of Library
- Assumes a reduction of students after new school is constructed. Reduction of three classrooms.

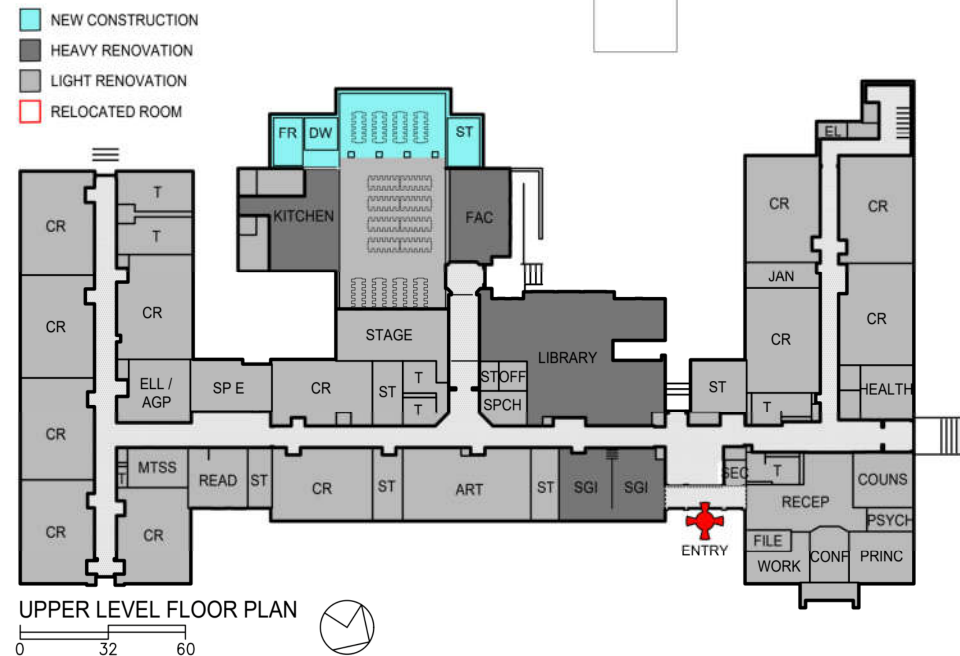


PROGRAM IMPROVEMENT OPTIONS

ROSE TREE ELEMENTARY

DESIGN OPTION 1B

- Remove Modular CRs
- Expand Gymnasium within volume of existing Building.
- Expand Existing Cafeteria, Kitchen and Faculty Dining Room.
 - Would require the creation of additional hard play area.
- Modernization of Library
- Divide classroom with operable partition to create two Small Group Instruction spaces.
- Assumes a reduction of students after new school is constructed. Reduction of three classrooms.



FACILITY EVALUATION

ROSE TREE ELEMENTARY

Programmatic Renovations:

- Est. \$7,000,000 for multi-purpose room addition (option 1)
- Est. \$4,200,000 for gym expansion (option 1B)
- Est. \$3,300,000 for cafeteria addition (option 1B)
- Est. \$350,000 for media center renovations

Mechanical Upgrades:

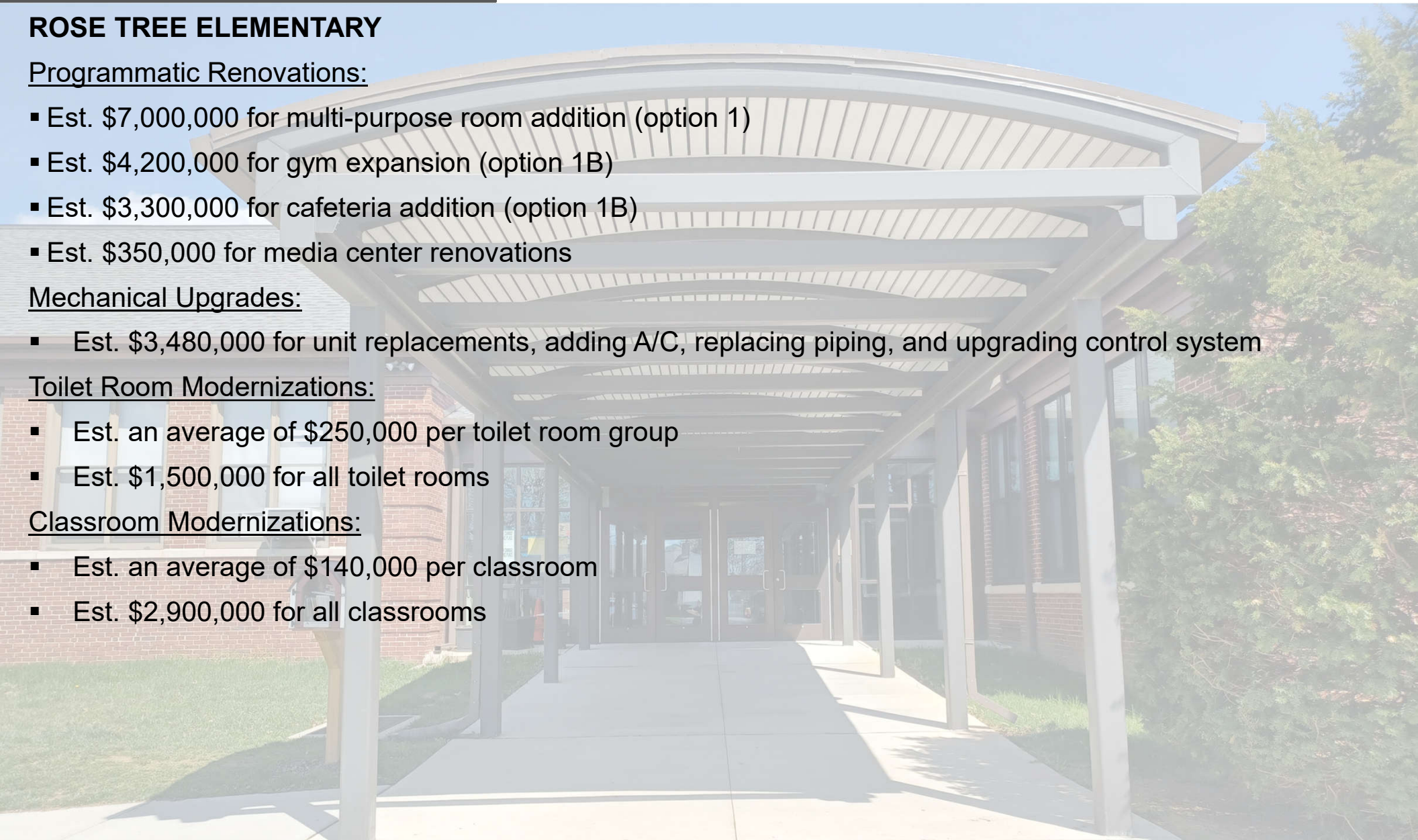
- Est. \$3,480,000 for unit replacements, adding A/C, replacing piping, and upgrading control system

Toilet Room Modernizations:

- Est. an average of \$250,000 per toilet room group
- Est. \$1,500,000 for all toilet rooms

Classroom Modernizations:

- Est. an average of \$140,000 per classroom
- Est. \$2,900,000 for all classrooms



FACILITY EVALUATION

ROSE TREE ELEMENTARY

Corridor Updates:

- Est. an average of \$197,000 per corridor
- Est. \$983,000 for all corridors

Windows :

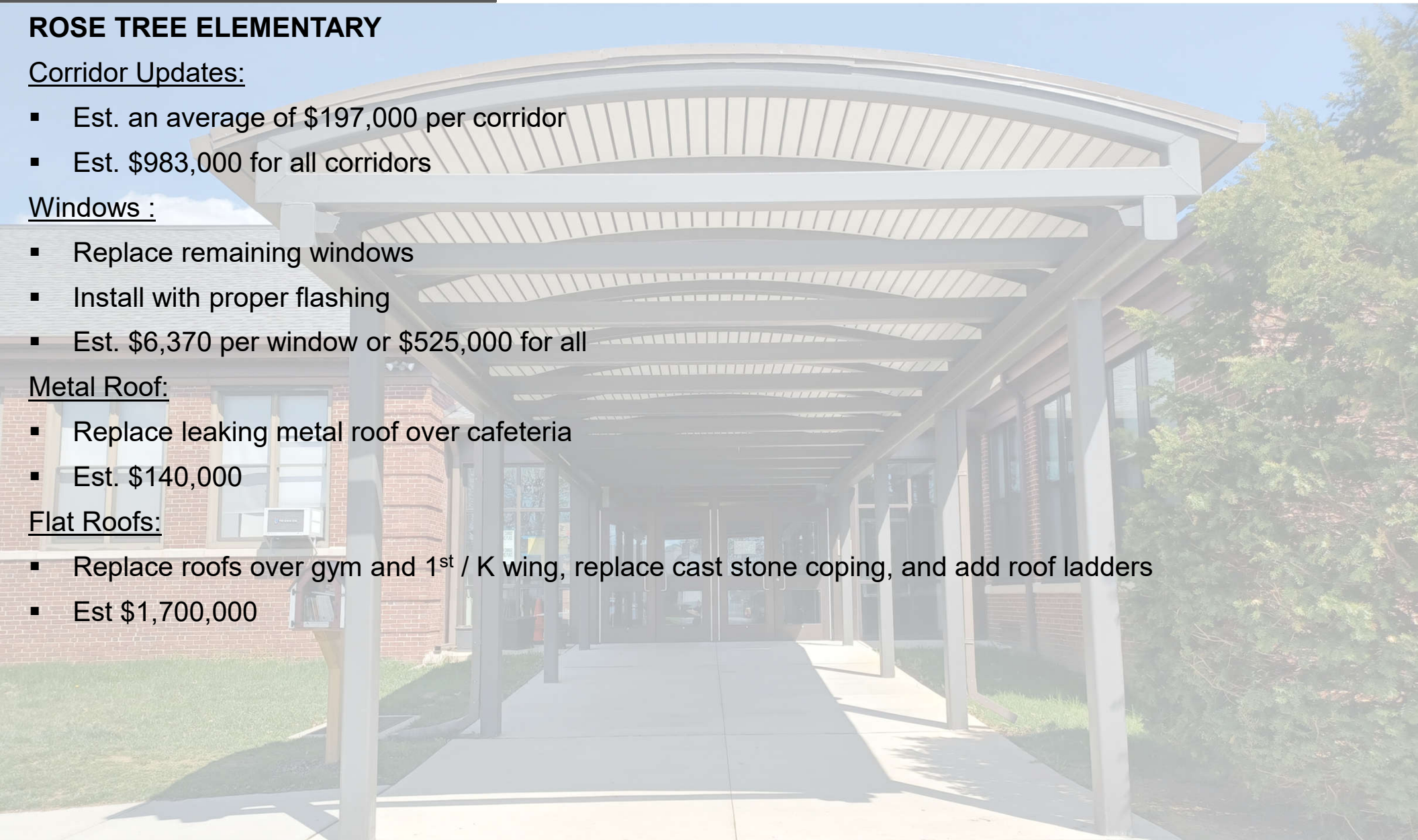
- Replace remaining windows
- Install with proper flashing
- Est. \$6,370 per window or \$525,000 for all

Metal Roof:

- Replace leaking metal roof over cafeteria
- Est. \$140,000

Flat Roofs:

- Replace roofs over gym and 1st / K wing, replace cast stone coping, and add roof ladders
- Est \$1,700,000

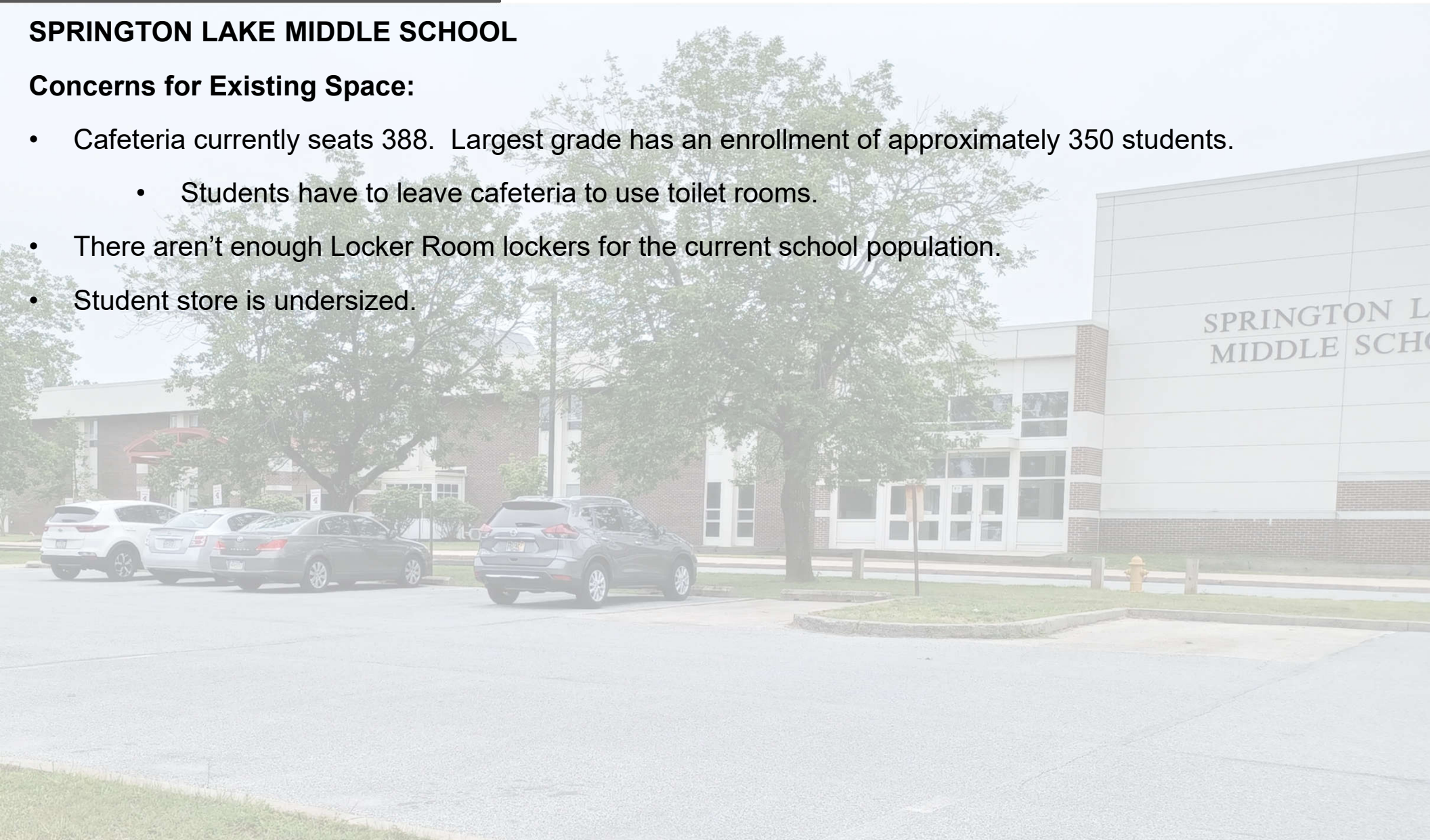


PROGRAM EVALUATION

SPRINGTON LAKE MIDDLE SCHOOL

Concerns for Existing Space:

- Cafeteria currently seats 388. Largest grade has an enrollment of approximately 350 students.
 - Students have to leave cafeteria to use toilet rooms.
- There aren't enough Locker Room lockers for the current school population.
- Student store is undersized.



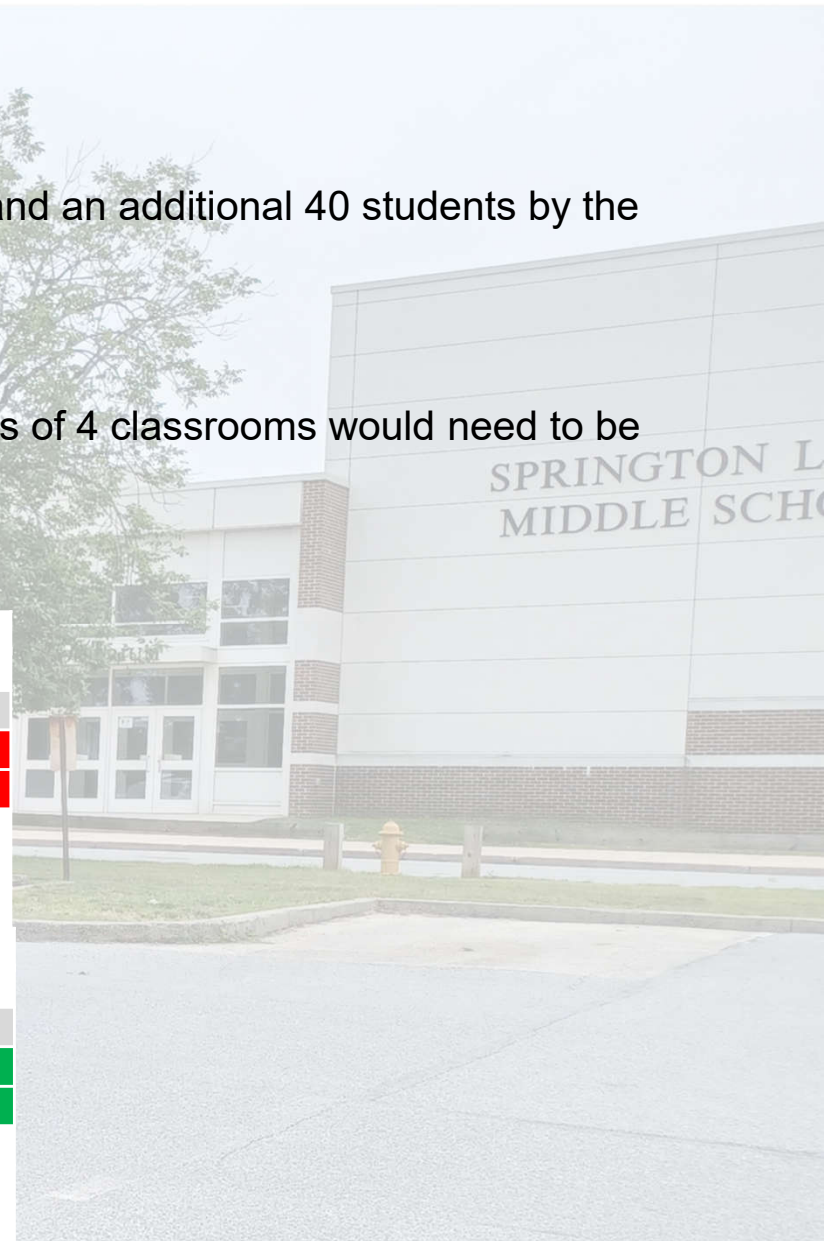
SPRINGTON L
MIDDLE SCHOOL

PROGRAM EVALUATION

SPRINGTON LAKE MIDDLE SCHOOL

Enrollment Projections:

- Projections show an increase of 120 student in the next 5 years and an additional 40 students by the 2032/33 school year.
- Class sizes are already approaching 30 students per class.
- If the existing Team structure is to be maintained, additional teams of 4 classrooms would need to be added.



Class size no additional teams:

	23/24	24/25	25/26		26/27	27/28	28/29	29/30
6 th Grade	27	29	27		32	33	30	29
7 th Grade	29	27	29		28	32	33	30
8 th Grade	27	29	27		29	28	32	33

Current 3 team structure

Class size with addition of additional Teams:

	23/24	24/25	25/26		26/27	27/28	28/29	29/30
6 th Grade	27	29	27	Addition	24	24	30	29
7 th Grade	29	27	29		28	24	25	23
8 th Grade	27	29	27		22	28	24	24

Current 3 team structure

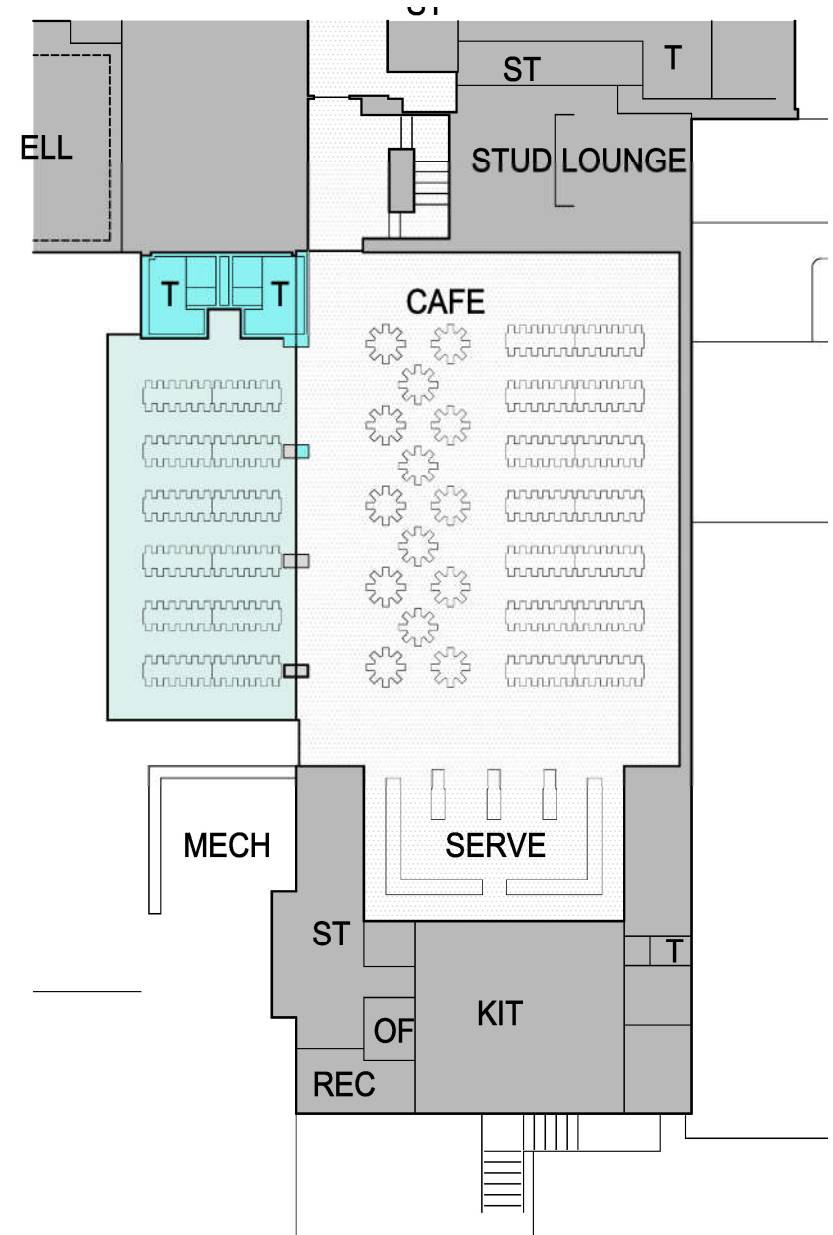
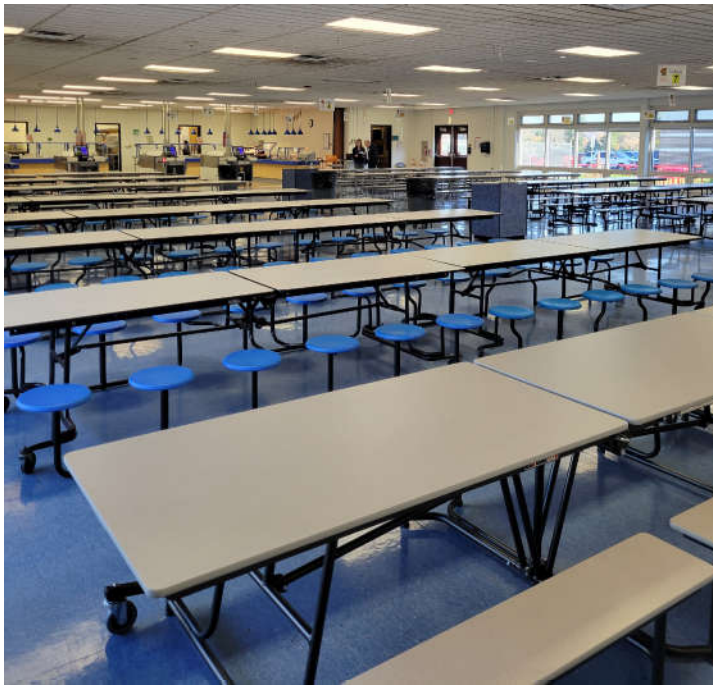
Indicates use of 4th Team

PROGRAM IMPROVEMENT OPTIONS

SPRINGTON LAKE MIDDLE SCHOOL - DESIGN OPTION 1

CAFETERIA EXPANSION

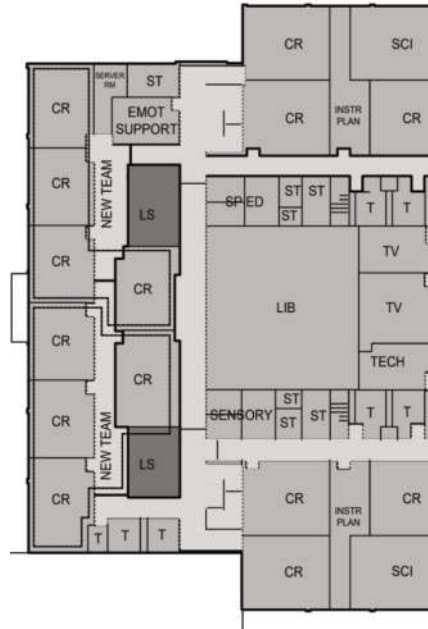
- Current Seating for 388 students.
- Largest class in next 5 years is 391 (current 2nd Grade class)
- Addition expands layout to 425 seats with additional space between tables.



PROGRAM IMPROVEMENT OPTIONS

SPRINGTON LAKE MIDDLE SCHOOL - DESIGN OPTION 2

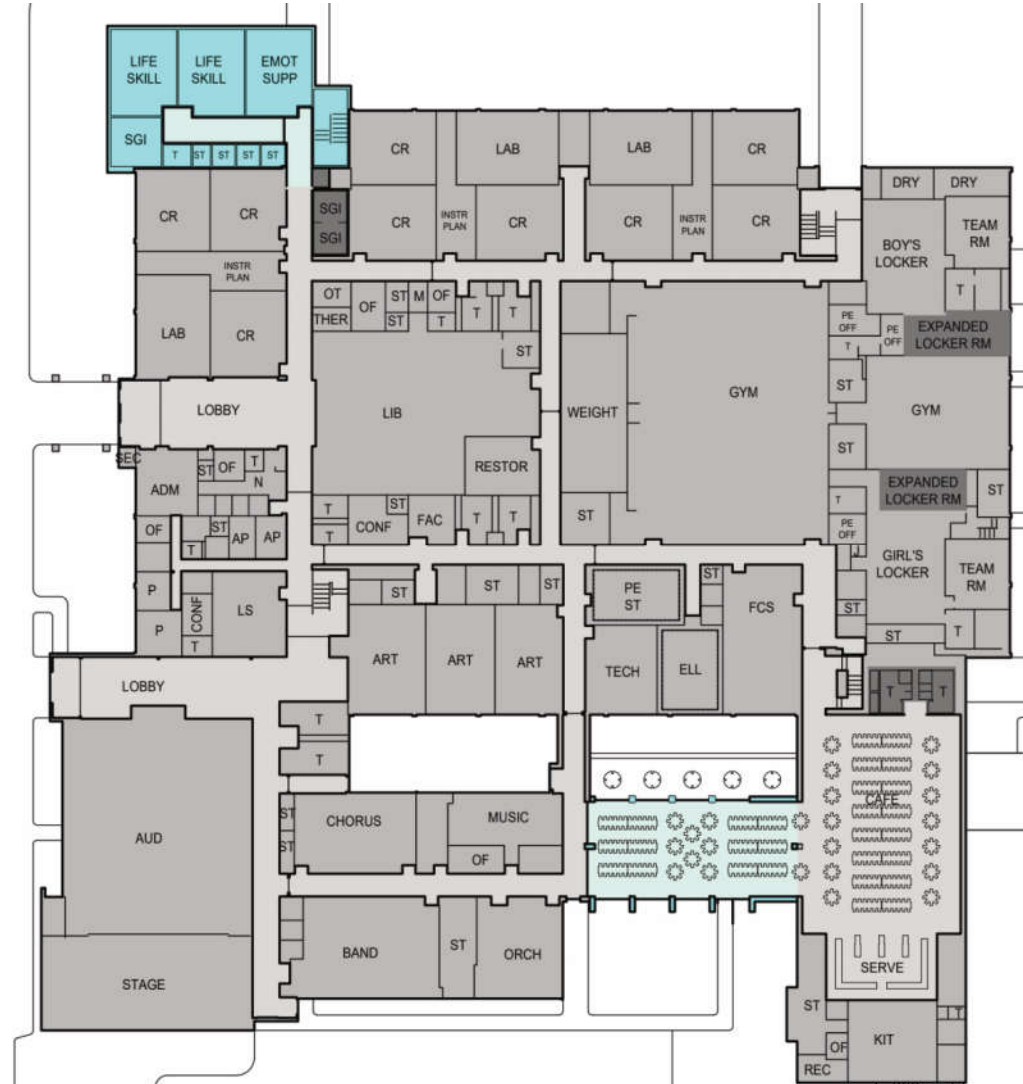
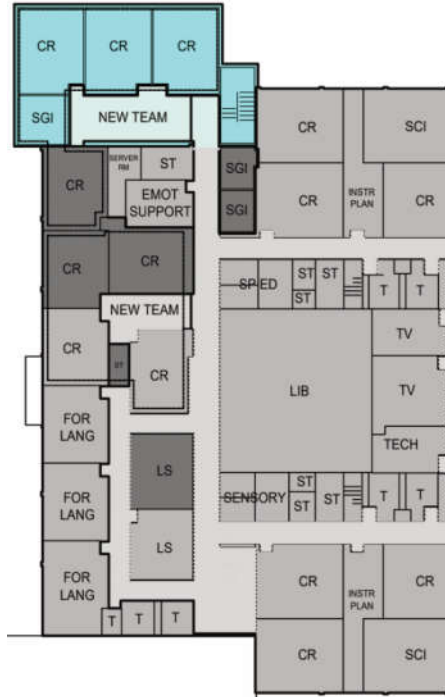
- Renovate Upper Level into two Team Rooms
- Expand Cafeteria
- Building has no Foreign Language Rooms and no Health Room.



PROGRAM IMPROVEMENT OPTIONS

SPRINGTON LAKE MIDDLE SCHOOL - DESIGN OPTION 3

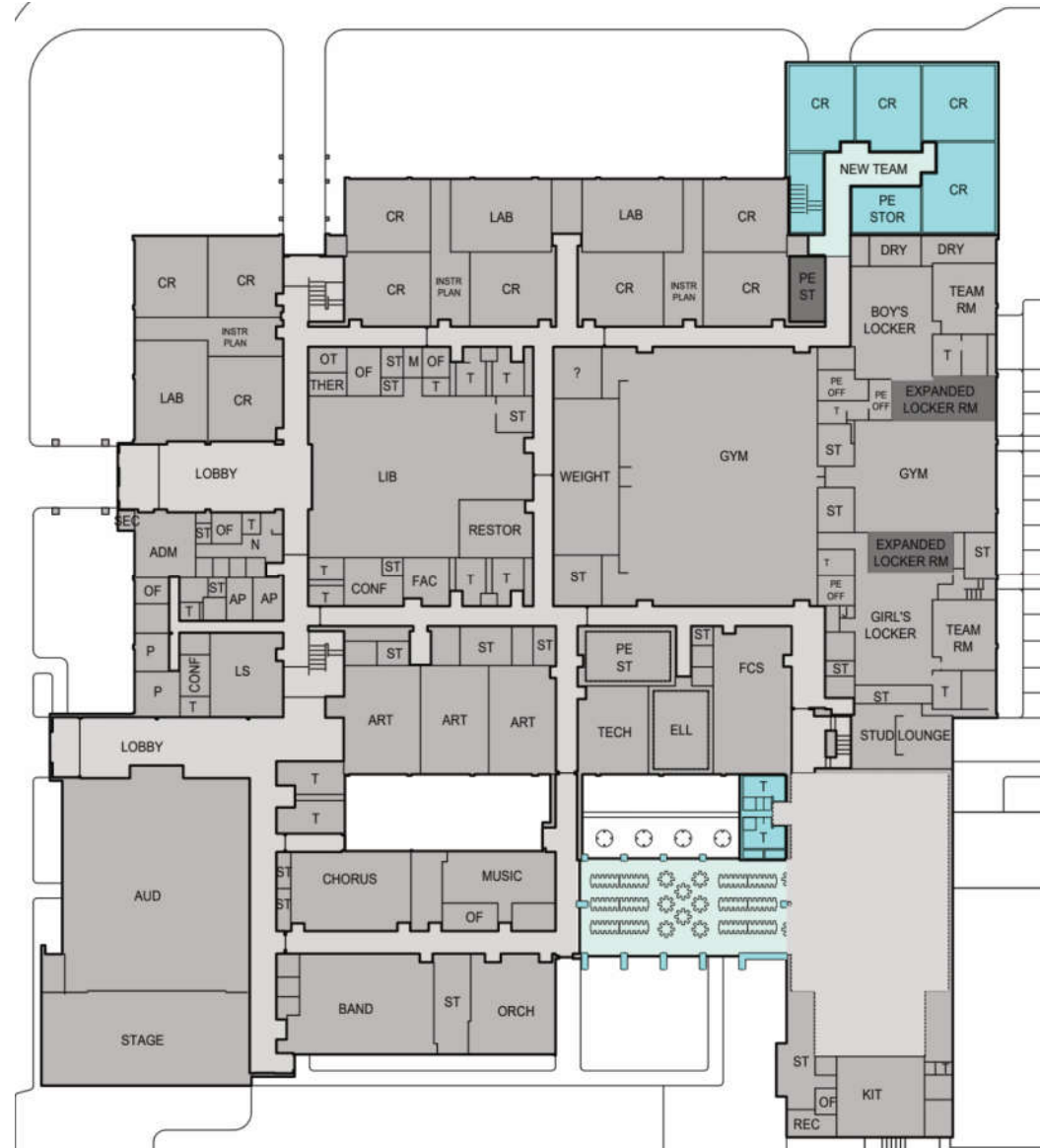
- Addition / Renovations to house additional classrooms. Expand Cafeteria
- Building has (3) Foreign Language Rooms and no Health Room.
- Expand Cafeteria.



PROGRAM IMPROVEMENT OPTIONS

SPRINGTON LAKE MIDDLE SCHOOL - DESIGN OPTION 4

- Addition to house two additional team rooms; one on each floor.
- Dedicated classrooms for Health & Foreign Language.
- Expand Cafeteria



FACILITY EVALUATION

SPRINGTON LAKE MIDDLE SCHOOL

Programmatic Renovations:

- Est. \$4,000,000 for cafeteria addition (option 1)
- Est. \$8,900,000 for cafeteria addition and classroom renovations (option 2)
- Est. \$17,000,000 for classroom and cafeteria addition (option 3)
- Est. \$18,500,000 for classroom and cafeteria addition (option 4)

Repair Classroom Floors:

- Replace tile cracking at perimeter floors in classrooms and provide expansion joint, consider engineer report
- Est. \$210,000 for patching
- Est. \$870,000 for complete replacement

Field Updates:

- Est. \$1,500,000 to update football field to turf, update track and goal posts
- Est. \$250,000 to clean and re-sod baseball / softball fields

Asphalt Paving

- Est. \$2,500,000 to repair / repave asphalt at the entry drive, auditorium parking, and front parking lots.

FACILITY EVALUATION

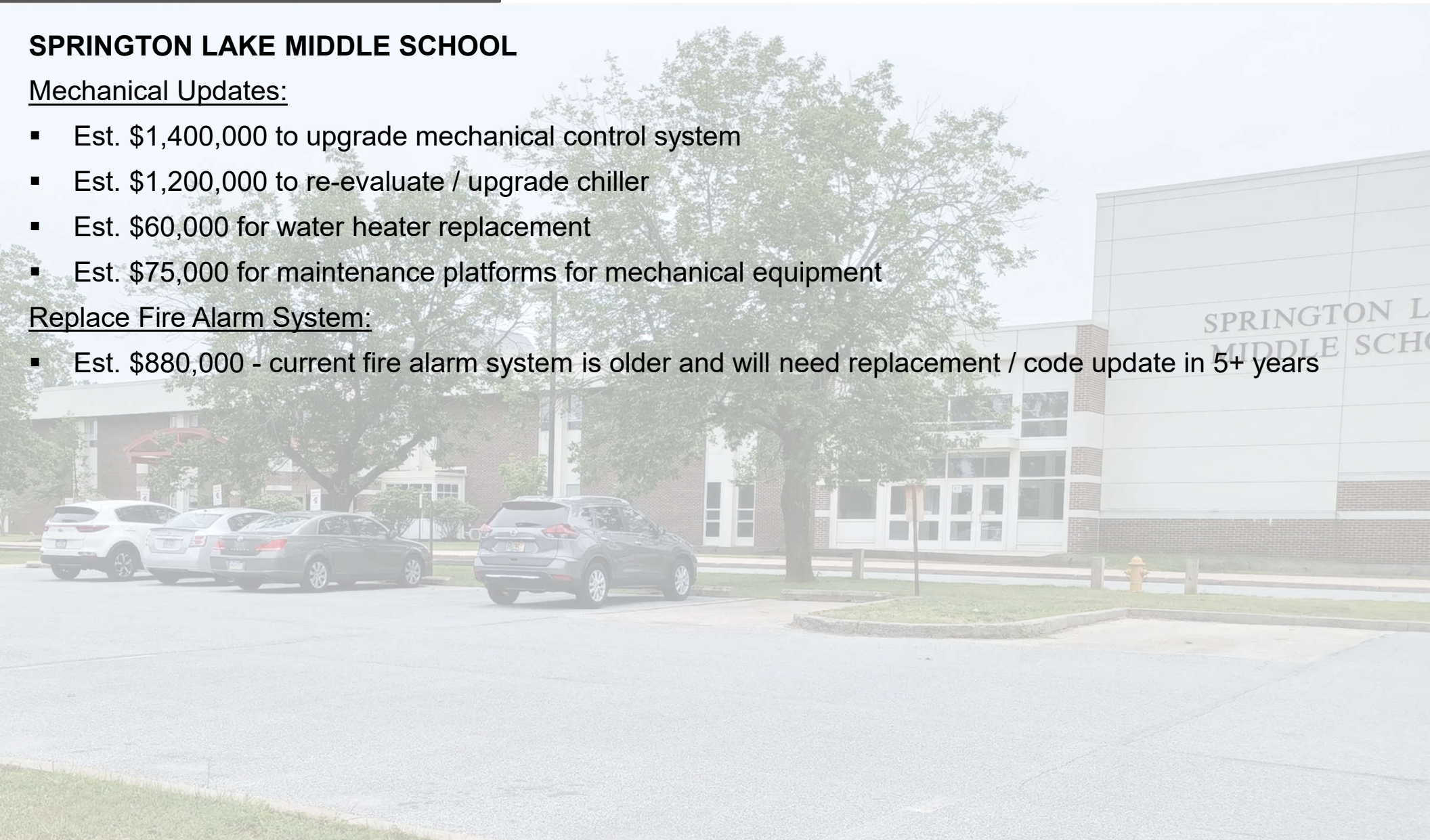
SPRINGTON LAKE MIDDLE SCHOOL

Mechanical Updates:

- Est. \$1,400,000 to upgrade mechanical control system
- Est. \$1,200,000 to re-evaluate / upgrade chiller
- Est. \$60,000 for water heater replacement
- Est. \$75,000 for maintenance platforms for mechanical equipment

Replace Fire Alarm System:

- Est. \$880,000 - current fire alarm system is older and will need replacement / code update in 5+ years



PROGRAM EVALUATION

PENNCREST HIGH SCHOOL

Concerns for Existing Space:

- Create dedicated classroom space for Family & Consumer Science.
- Learning support rooms are small
- Opportunity to better develop the Media Center for improved utilization.
- Need for additional Small Group Instruction spaces.
- Small Lobby space for Auditorium.

Enrollment Projections:

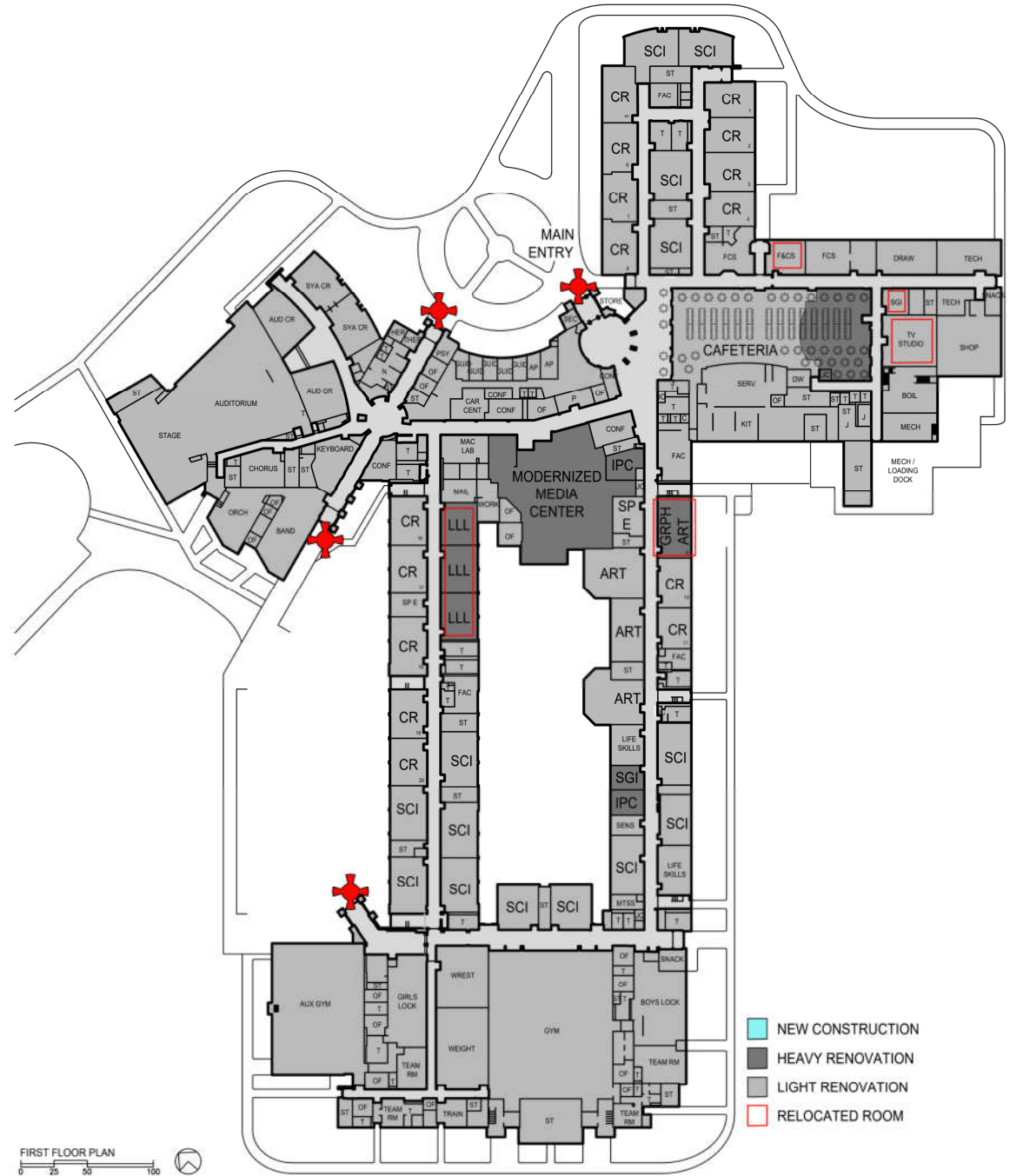
- Current Enrollment at 1220 students. 5-year enrollment projection to 1358 and a 10-year projection of 1507.
 - Currently, each faculty member is assigned their own classroom. With some sharing of rooms, the additional students could be accommodated.
 - Raises concerns for the capacity of the Cafeteria.

PROGRAM IMPROVEMENT OPTIONS

PENNCREST HIGH SCHOOL

DESIGN OPTION 1

- Expand Cafeteria from 388 spaces to 600. With additional enrollment, space will hold 500+ per lunch period
- Modernize Library
- Create Instructional Planning Centers for faculty members displaced when rooms are shared.
- Move Linked Learning for Life program.



FIRST FLOOR PLAN

FACILITY EVALUATION

Programmatic Renovations:

- Est. \$3,000,000 - \$5,000,000 for cafeteria expansion and relocating adjacent classrooms
- Est. \$1,300,000 for media center renovations

Mechanical Upgrades:

- Est. \$5,500,000 for mechanical unit replacement, piping replacement, and control upgrades

Toilet Room Modernizations:

- Est. an average of \$600,000 per toilet room group
- Est. \$6,840,000 for all toilet rooms

Corridor Updates:

- Est. an average of \$450,000 each for Wings A and B (2nd floor) and Wings D and E
- Est. an average of \$225,000 each for Wings C and M (existing terrazzo floor to remain)
- Est. \$3,100,000 for all wings

Stadium Field Updates:

- Replace stadium field turf and replace or resurface track
- Est. \$1,500,000