



# DISTRICT-WIDE FACILITIES STUDY PRESENTATION

SEPTEMBER 24, 2018



**KCBA – *Architecture/Interior Design/Structural Eng.***



**Lehigh Valley Engineering – *MEP Engineering***



**Barry Isett & Associates – *Civil Engineering***



**Corsi Associates – *Kitchen Consulting***



**FutureThink – *Demographics & Enrollment Consulting***



# FOCUS

This study entailed a review of existing conditions, delivery of educational programs, and enrollment projections (Phase 1) to produce a series of long-term upgrade and/or reconfiguration options (Phase 2). The following buildings and campuses were included in this process:

- Hopewell Elementary School
- Liberty Bell Elementary School
- J.P. Liberati Intermediate School
- Southern Lehigh Middle School
- Southern Lehigh High School
- District Administration Building



# PHASE 1: DATA COLLECTION - DELIVERABLES

Research was conducted to produce the following:

- Enrollment Study
- Existing Conditions Analysis
- Analysis of Program-Related Needs
- Itemized Maintenance Matrix



# PHASE 2: OPTIONS

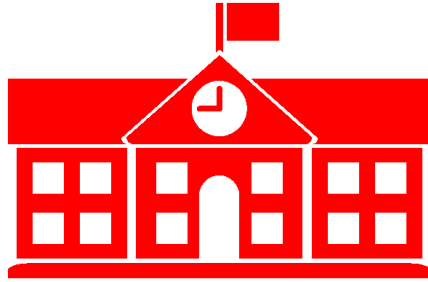
Five options were developed to address the highest priority issues that were identified during Phase 1:

- **Implement full day Kindergarten and provide space for projected enrollment growth.**
- **Address multiple programmatic and facility needs at the high school.**
- **Address multiple programmatic and facility needs at the middle school; special focus on the poor layout and circulation in the academic areas.**
- **Improvements to the athletic fields and stadium.**
- **Replacement of the District Administration Office building.**

# OPTION 1 OVERVIEW



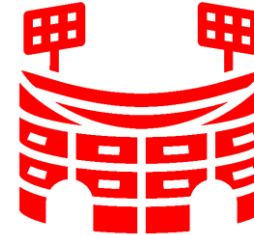
**Liberty Bell E.S.**  
repair



**Middle School**  
repair



**High School**  
repair



**Stadium/Athletic Fields**  
repair



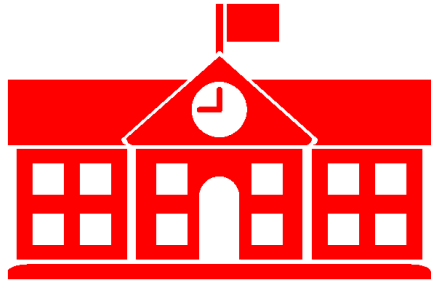
**District Administration Office**  
repair

- Select upgrades at Liberty Bell E.S., Middle School, High School, Stadium/Fields, and District Administration Office.

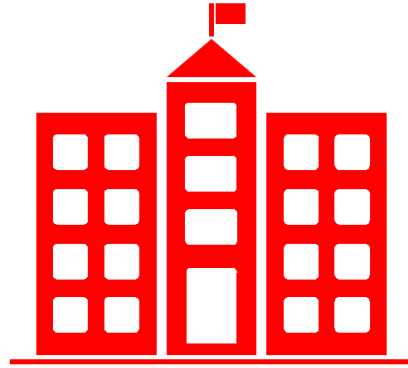
# OPTION 2 OVERVIEW



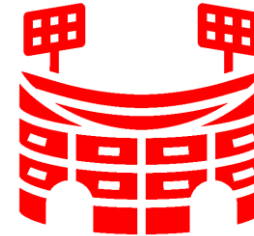
**Liberty Bell E.S.**  
repair, renovate,  
and expand



**Middle School**  
repair



**High School**  
repair and expand



**Stadium/Athletic Fields**  
repair



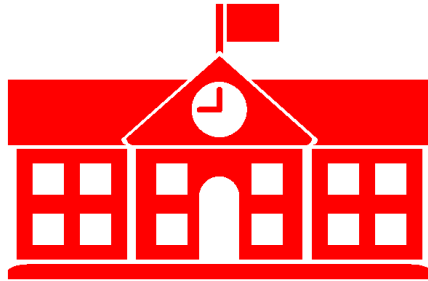
**District Administration Office**  
repair

- Select upgrades at Liberty Bell E.S., Middle School, High School, Stadium/Fields, and District Administration Office.
- **Liberty Bell E.S.:** 6 classroom addition, main entrance addition, reconstruct media center and administration, and renovate educational spaces.
- **High School:** Performing arts addition.

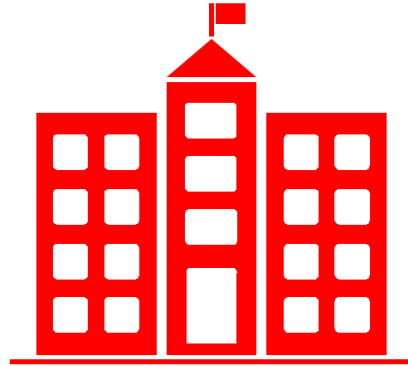
# OPTION 3 OVERVIEW



**Liberty Bell E.S.**  
renovate and expand



**Middle School**  
renovate and expand



**High School**  
renovate and expand



**Stadium/Athletic Fields**  
renovate



**District Administration Office**  
new construction

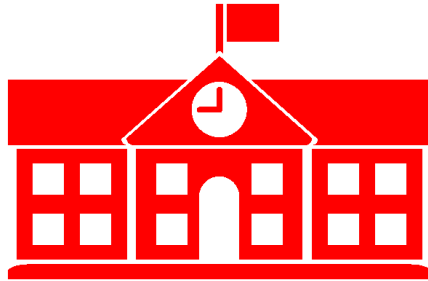
- **Liberty Bell E.S.:** 6 classroom addition, main entrance addition, reconstruct media center and administration, and renovate educational spaces.
- **Middle School:** Construct academic addition, renovate assembly spaces, demolish existing academic spaces, reconfigure site circulation and parking, and build new district administration office.
- **High School:** Performing arts addition, auditorium demolished, administration and media center addition in place of auditorium, and STEM renovations.



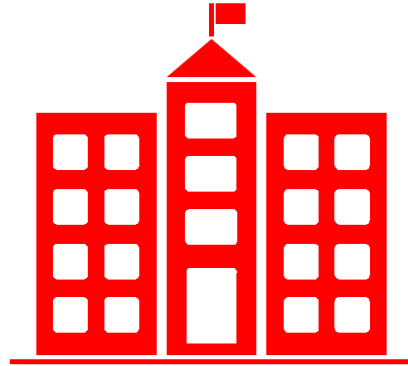
# OPTION 4 OVERVIEW



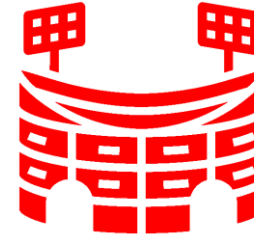
**Liberty Bell E.S.**  
renovate and expand



**Middle School**  
new construction



**High School**  
renovate and expand



**Stadium/Athletic Fields**  
new construction



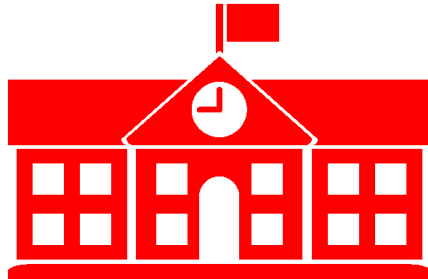
**District Administration Office**  
new construction

- **Liberty Bell E.S.:** 6 classroom addition, main entrance addition, reconstruct media center and administration, and renovate educational spaces.
- **Middle School:** Construct new middle school, demolish existing school and stadium, build new ball fields in now-demolished stadium site, reconfigure site circulation and parking, and construct new district administration office.
- **High School:** Performing arts addition, demolish auditorium, admin and media center addition built in place of auditorium, STEM renovations, and new stadium.

# OPTION 5 OVERVIEW



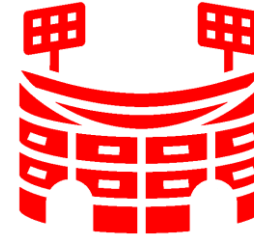
**Liberty Bell E.S.**  
renovate and expand



**Middle School**  
renovate and expand



**High School**  
new construction



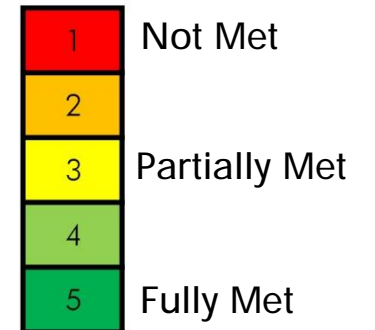
**Stadium/Athletic Fields**  
renovate



**District Administration Office**  
move into renovated space

- **Liberty Bell E.S.:** 6 classroom addition, main entrance addition, reconstruct media center and administration, and renovate educational spaces.
- **Middle School:** Convert existing high school building into middle school, reconstruct administration and media center, STEM renovations, and move district administration offices into portion of existing building.
- **High School:** Construct new high school on existing middle school campus, demolish existing middle school building, and renovate existing stadium.

Objective	Option 1	Option 2	Option 3	Option 4	Option 5
Security needs addressed	4	4	4	5	5
Accessibility issues addressed	3	3	5	5	5
Facility needs addressed	3	3	4	4	4
Programmatic needs at High School addressed	1	2	4	5	5
Programmatic needs at Middle School addressed	1	1	4	5	5
Space for demographic growth	1	1	5	5	5
Space for full-day kindergarten	1	3	5	5	5
Performing arts needs addressed	1	5	5	5	5
Middle School layout/circulation deficiencies addressed	1	1	4	5	5
Site vehicular circulation improved	3	3	5	5	5
Athletic Fields & Stadium needs addressed	4	4	5	5	5
District Administration Office issues addressed	5	5	5	5	5
Disruption to students and faculty	4	3	2	4	4
Cost	5	3	2	1	2
<b>Total:</b>	<b>37</b>	<b>41</b>	<b>59</b>	<b>64</b>	<b>65</b>



**OPTION 1**

**Comparison Score: 37**

Select replacement and improvements at Liberty Bell ES, Middle School, High School, and Stadium

**\$30,038,254**

**OPTION 2**

**Comparison Score: 41**

Select replacement and improvements at Liberty Bell ES, Middle School, High School, and Stadium; Liberty Bell ES addition/renovation; High School addition

**\$61,737,665**

**OPTION 3**

**Comparison Score: 59**

Liberty Bell ES addition/renovation	<b>\$17,857,076</b>
Middle School addition/renovation	<b>\$57,959,411</b>
High School addition/renovation	<b>\$53,017,992</b>

**OPTION 4**

**Comparison Score: 64**

Liberty Bell ES addition/renovation	<b>\$17,857,076</b>
New Middle School	<b>\$76,677,993</b>
High School addition/renovation and New Stadium	<b>\$57,354,492</b>

**OPTION 5**

**Comparison Score: 65**

Liberty Bell ES addition/renovation	<b>\$17,857,076</b>
Convert Existing High School into Middle School and Move DAO into Portion of Building	<b>\$34,898,284</b>
New High School and Stadium Renovations	<b>\$92,895,264</b>



**THANK YOU!**