Long Range Facilities
Planning Committee

Today. Tomorrow. **Together.**

Spring Branch Independent School District
November 2016

Welcome

Jennifer Blaine

Review of Charge

Jennifer Blaine

Spring Branch Independent School District
Long Range Facilities
Planning Committee

Today. Tomorrow. **Together.**

Scott R. Muri, Ed.D.

SBISD Superintendent of Schools

Spring Branch Independent School District
Long Range Facilities
Planning Committee

Spring Branch T-2-4 is our goal.

By 2017, SBISD will ***double the number*** of students completing a technical certification, military training, two-year or four-year degree.

The Learner's Journey
#SBjourneytogether #SBjourney

Our Core Values

Our Core Values serve as ***guiding principles*** that undergird and inform our actions, behaviors and decisions.

Every Child
Collective Greatness
Collaborative Spirit
Limitless Curiosity
Moral Compass

Your organization is **perfectly designed** to achieve the results you are achieving.

- W. E. Demming

The Learner's Journey
#SBjourneytogether #SBjourney

Supporting a **Personalized** Learning Experience

- Resilient **Foundation**
- Learning **Ecosystems**
- Extraordinary **People**
- Customized **Supports**

The Learner's Journey

#everychild #SBjourneytogether #SBjourney

How will **we know** if we are successful?

- How much **progress** is every child making?
- How **academically prepared** is every child?
- How is every child doing **beyond the classroom**?
- How are our alumni doing **after** they graduate?
- Are we providing effective supports for **our employees**, **students**, and **families**?
- Are we developing a **sustainable** talent model?

The Learner's Journey
#SBjourneytogether #SBjourney

2007 Bond Review

Travis Stanford

Spring Branch Independent School District
Long Range Facilities
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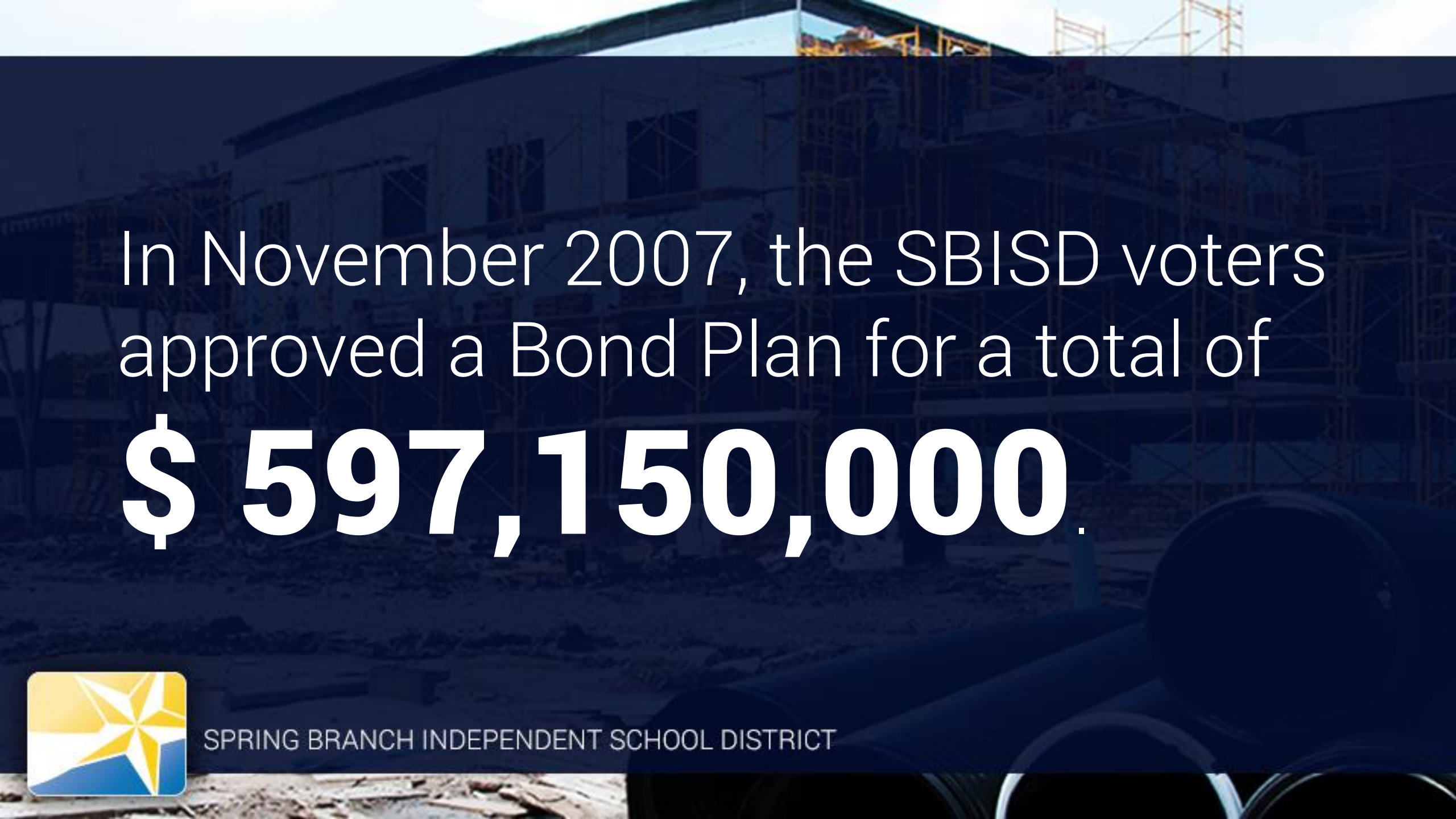
SPRING BRANCH ISD

2007 BOND PROGRAM REVIEW


In November 2007, the SBISD voters approved a Bond Plan for a total of
$ 597,150,000.
SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

The **2007 Bond Plan** outlined the following:

- **Upgrading** the functionality of key infrastructure systems at every facility
- **Beginning the process of transforming District schools by replacing** several of the oldest elementary schools
- **Build** additional classrooms to accommodate student population growth
- **Expanding and upgrading high school science labs**

The **2007 Bond Plan** outlined the following:

- **Providing safety and security upgrades to ensure the protection of students and staff**
- **Upgrading District information technology to meet 21st Century standards**
- Purchasing new school buses to update the District fleet – 183 in total
- **Enhancing the District's athletic facilities to contemporary standards**

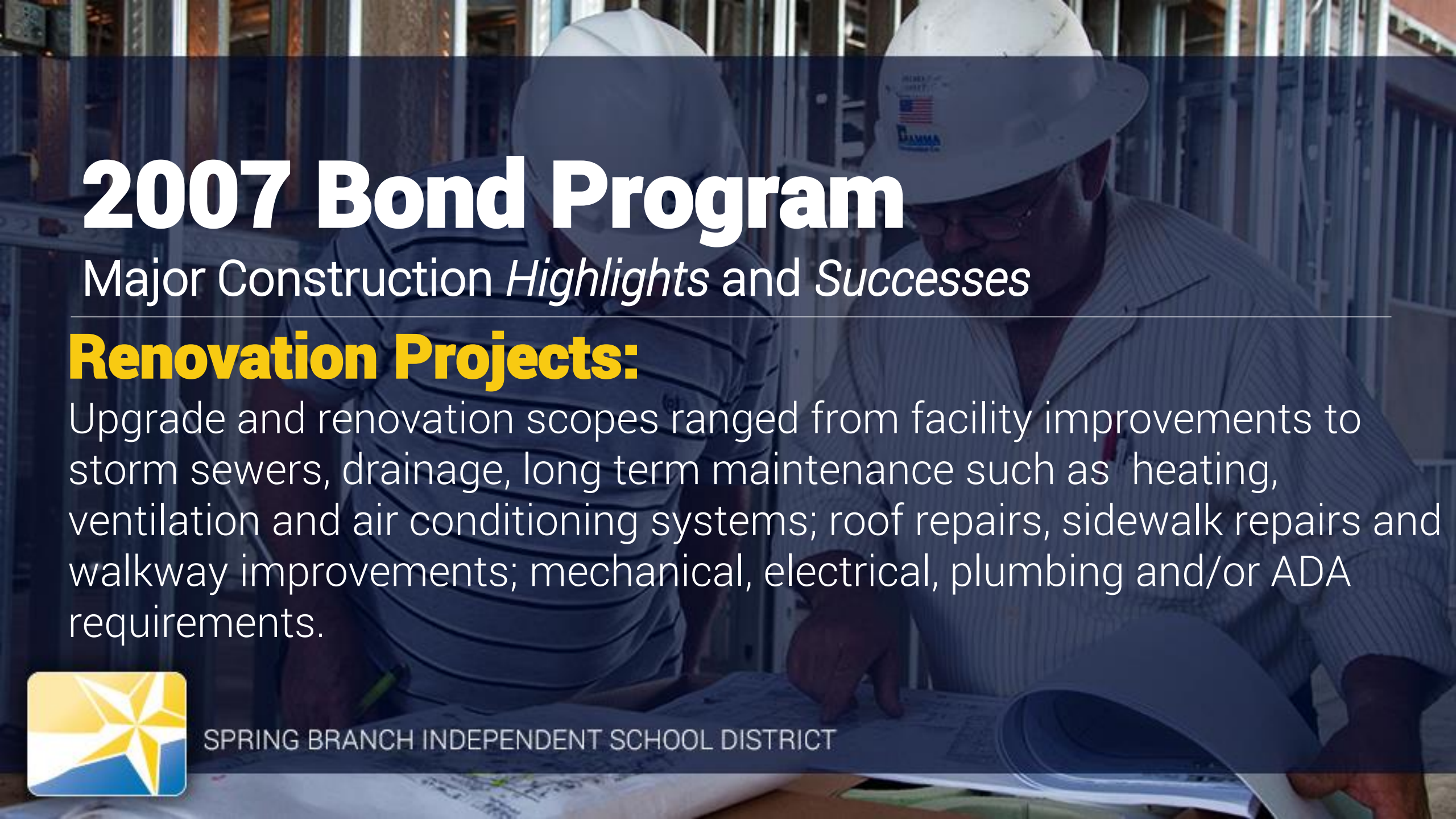
2007 Bond Program

Major Construction *Highlights* and *Successes*

Renovation Projects:

Upgrades and renovations were made to **33 campuses** and facilities.

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT



2007 Bond Program

Major Construction *Highlights* and *Successes*

Renovation Projects:

Upgrade and renovation scopes ranged from facility improvements to storm sewers, drainage, long term maintenance such as heating, ventilation and air conditioning systems; roof repairs, sidewalk repairs and walkway improvements; mechanical, electrical, plumbing and/or ADA requirements.

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

New Construction Projects

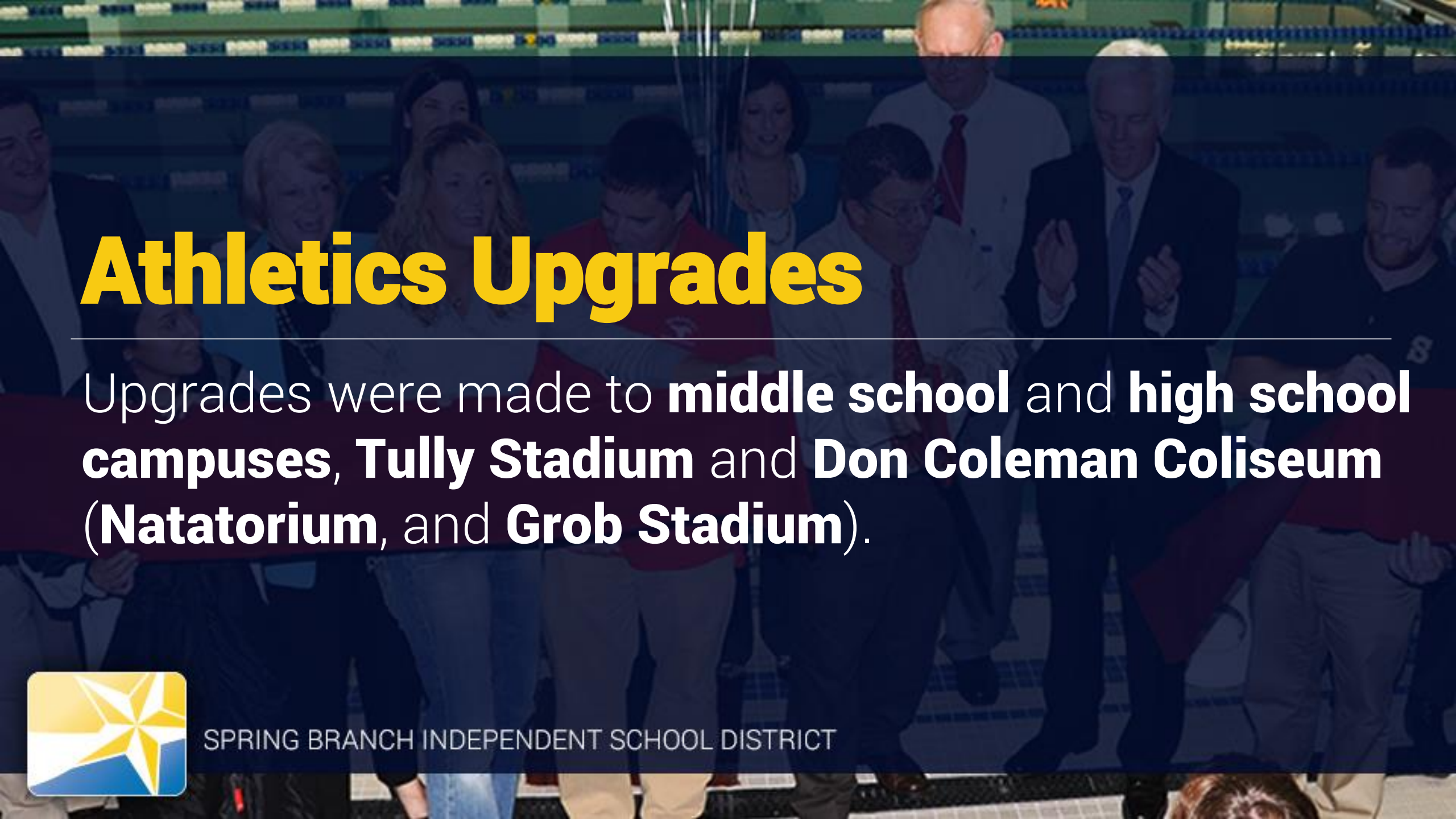
13 elementary schools rebuilt

(12 planned + 1 additional as a result of cost savings)

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

New Construction Projects

• Hollibrook ES	2010
• Ridgecrest ES	2010
• Westwood ES	2010
• Edgewood ES	2011
• Shadow Oaks ES	2011
• Spring Branch ES	2011
• Wilchester ES	2011
• Meadow Wood ES	2012
• Pine Shadows ES	2012
• Housman ES	2013
• Frostwood ES	2014
• Valley Oaks ES	2015
• Rummel Creek ES	2016



Athletics Upgrades

Upgrades were made to **middle school** and **high school campuses**, **Tully Stadium** and **Don Coleman Coliseum** (**Natatorium**, and **Grob Stadium**).

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

Athletics Upgrades

Middle schools and high schools:

- Track and Competition Field Additions at the middle schools
- Soccer Field Additions at the middle schools
- Track Resurfacing at the high schools
- Tennis Court Upgrades at the high schools
- Field Upgrades at the high schools
- Competition Athletic Additions at Stratford and Spring Woods High School
- Field House Renovations at Memorial High School and Spring Woods High School

Technology Upgrades

- **Computers** in **all classrooms**
- **ActivBoards** in **core classrooms**
- **Technology** in **libraries**
- A new district wide **phone system**
- **Teacher laptops**
- **Expanded Wi-Fi**

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

SBEC Project

The final **new construction project** of the 2007 Bond Program, which houses **Academy of Choice** and **Cornerstone Academy**, is scheduled for completion in the Spring of 2017.

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

2007 BOND PROGRAM **REVIEW**

Learn more at **www.springbranchisd.com**.

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

Review of District-wide Initiatives

Jennifer Blaine & Travis Stanford

District Next Steps

The following initiatives are the **next critical steps** in assessing District facilities to gain an understanding of **current conditions**.

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

District Next Steps

- Design and Construction Standards

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

District Next Steps

- Design and Construction Standards
- Educational Specifications

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

District Next Steps

- Design and Construction Standards
- Educational Specifications
- Complete a Comprehensive District-wide Facilities Assessment

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

Design & Construction Standards

What are STANDARDS?

- Guidelines intended to assist the architects, engineers, and other design professionals, contractors and most importantly district staff in **understanding the preferences of SBISD in maintenance, renovations, and new construction**

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

Design & Construction Standards

Purpose/Goal?

- **Refine and create** new **DESIGN & CONSTRUCTION STANDARDS** for future renovation and new construction projects

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Design & Construction Standards

The Timeline

- Began **March of 2016**
- Final draft is under review

SPRING BRANCH INDEPENDENT SCHOOL DISTRICT

Educational Specifications

What are EDUCATIONAL SPECIFICATIONS?

- **Educational Specifications** are guidelines *(written documentation)*, refined and created by a team of district educators and design professionals, to **establish a benchmark,** form consensus among the educators and communicate the District's expectations in terms of the future planning of the physical requirements needed **to support the educational mission of the school district**.

Educational Specifications

Purpose/Goal?

- **Refine and create** new **EDUCATIONAL SPECIFICATIONS** for future renovation and new construction projects that support the District's Educational mission

Educational Specifications

The Timeline

- Began in **August of 2016**
- Scheduled to be completed in **February of 2017**

District-Wide Facilities Assessment

Planning & Construction and AECOM have developed the **scope of services** and **assessment** for the district facilities, Child Nutrition Services, Technology and Educational Suitability and timeline.

Planning & Construction and AECOM will be **reporting and reviewing assessment findings** on an established schedule to the Long-Range Facility Planning Committee to gain consensus solutions.

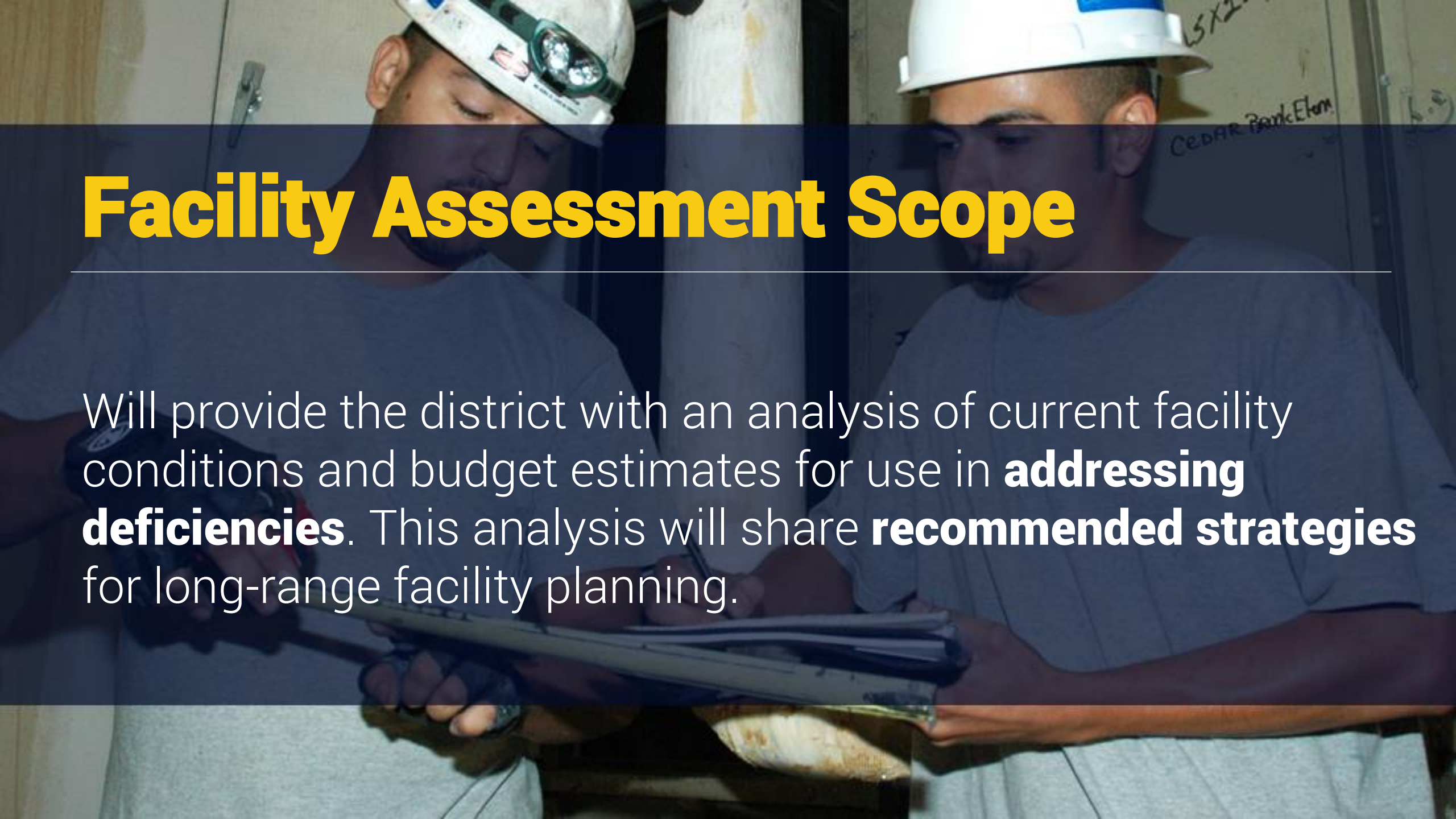
The final report for the District Wide Facility Assessment is due April 2017.

District-Wide Facilities Assessment

Facility Assessment Goals

SUCCESS=

- Open, Objective, **Transparent Assessment**
- **Thorough Analysis** of Facilities
- Information Sharing Resulting in **Consensus Solutions**
- **Delivery of Facilities Analysis** for Long-Range Facility Planning



Facility Assessment Scope

Will provide the district with an analysis of current facility conditions and budget estimates for use in **addressing deficiencies**. This analysis will share **recommended strategies** for long-range facility planning.

AECOM Presentation

Ken English

Spring Branch Independent School District
Long Range Facilities
Planning Committee

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Comprehensive Facility Assessment

Spring Branch ISD

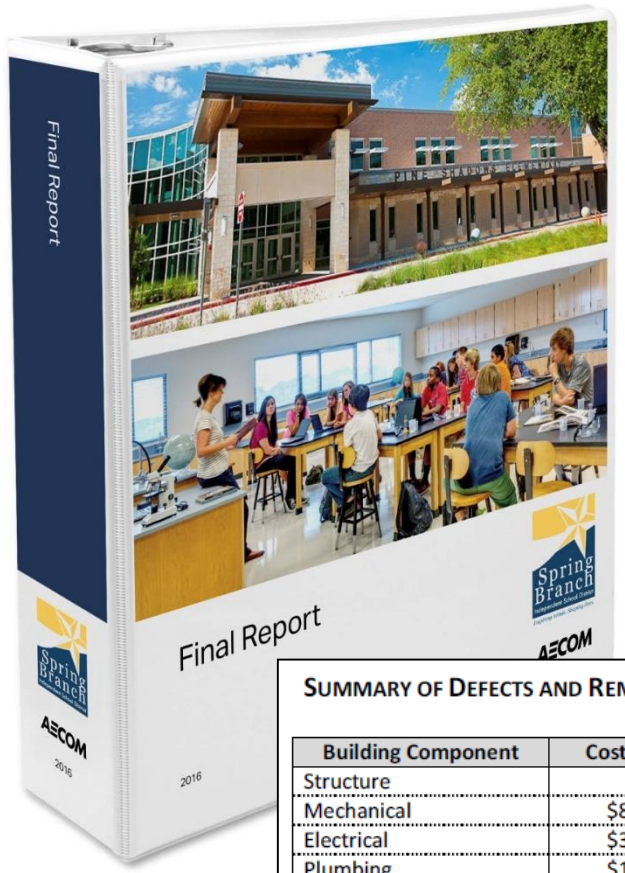
November 2016

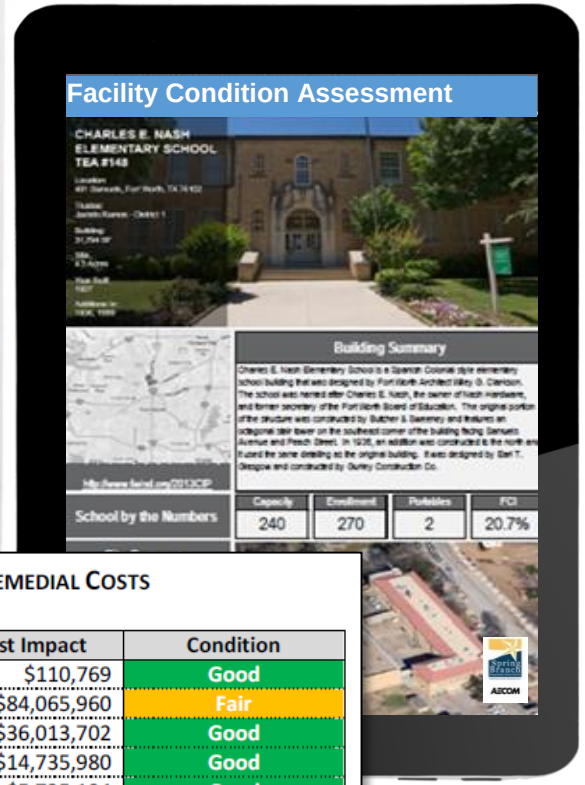
AECOM

Assessment Project Overview

Assessments include:

- Facility Condition
- Educational Suitability
- Child Nutrition
- Technology





SUMMARY OF DEFECTS AND REMEDIAL COSTS

Building Component	Cost Impact	Condition
Structure	$110,769	Good
Mechanical	$84,065,960	Fair
Electrical	$36,013,702	Good
Plumbing	$14,735,980	Good
Building Fabric	$5,735,104	Good
Environmental	$2,853	Good
Vertical Transportation	$8,381,750	Good
Building Facade	$4,323,022	Good
Roofing	$7,101,979	Fair
Plaza & Sidewalks	$6,273,584	Poor
TOTAL	166,744,703	

Why Conduct an Assessment Effort?

Critical to answer fundamental questions expeditiously and accurately:

- What condition are our assets in?
- Do our facilities meet educational goals & requirements?
- What is the level of effort to correct deficiencies?
- What will it cost?
- Which are the most urgent needs?

Collecting key information enables SBISD to:

- Establish a baseline
- Prioritize Findings
- Make Decisions
- Justify Investments

Facility Assessment Goals

SUCCESS =

- Open, Objective, Transparent Assessment
- Thorough Analysis of Facilities
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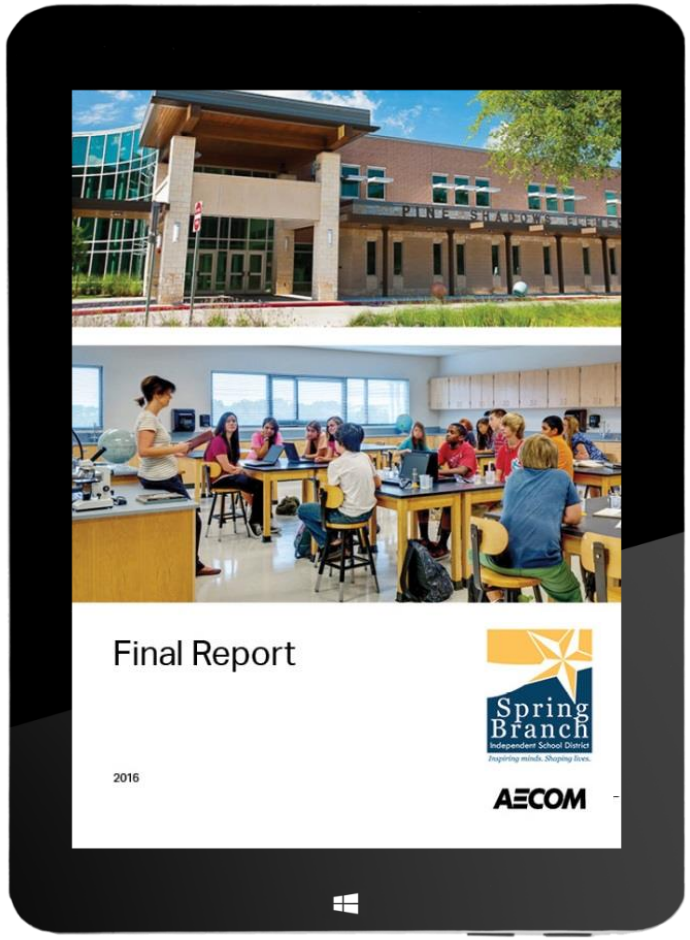
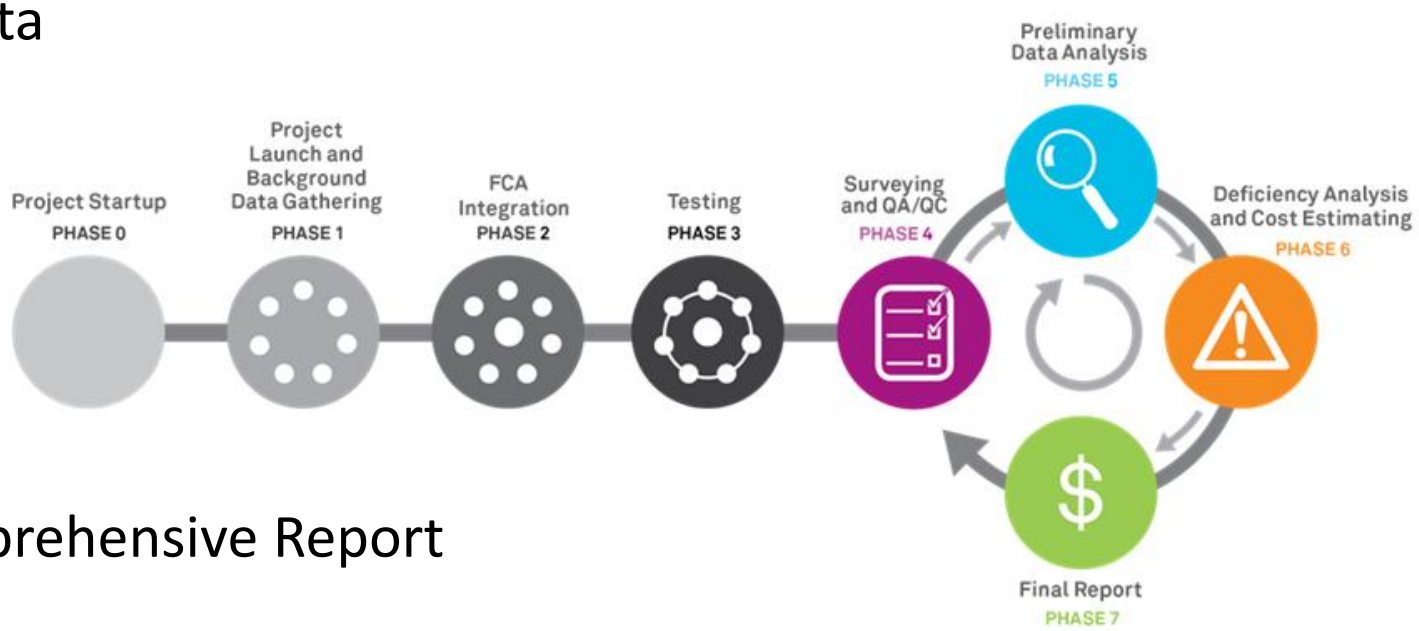


Phased Execution Approach

- Project Launch and Background Data Gathering
- Define, collect, and study existing data
- Conduct staff surveys
  - Facilities/Maintenance Staff
  - Educators from each Facility
- Conduct Model Assessment
- Perform Remaining Assessments
- Analyze Information & Prepare Comprehensive Report



Build a solid foundation to establish a plan for the future

Model Assessment Overview

- Perform Model Assessments at Terrace ES, Memorial MS, Spring Woods HS
  - Facility Condition
  - Educational Suitability
  - Child Nutrition
  - Technology
- Test and refine process
- Obtain District approval of Example Report
- Determine Schedule for remaining facilities

Adjust and refine for ideal process

Condition Assessment of Critical Systems & Assets

The effort is focused on identifying systems and assets that require repair or replacement with a specific emphasis on major systems, common to most buildings, that perform a given function. Collaborative engagement with SBISD staff is critical to project success.

- Standard rating criteria
- Example Systems / Assets:
  - Exterior Walls
  - Roofing
  - Domestic Water Distribution
  - Mechanical / HVAC
  - Lighting
  - Fire Protection
  - Electrical Distribution
  - Conveying

Rating	Standard
5 - Excellent	New equipment, no visible deficiencies. Only normal scheduled maintenance required.
4 - Good	Well maintained, only minor repairs needed. Operates at optimal conditions.
3 - Average	More minor repairs and infrequent larger repairs required, but equipment is functioning properly.
2 - Poor	Significant repairs or replacement required. Equipment is operating but deficiencies beginning to affect the performance.
1 - Fail	Major repair or replacement required. Equipment is no longer functioning or is a life safety hazard. Unit in need of a large overhaul repair or entire replacement in order for functionality to operate at ideal, safe conditions.

Execute the proven process

Capacity and Plan For Addressing Educational Suitability

- Facilities Matched To Student Learning Needs
- Align With District Goals / Standards
- More Than Square Footage
  - District of Innovation
  - Program Requirements
  - Learning Environment
  - Safety & Security

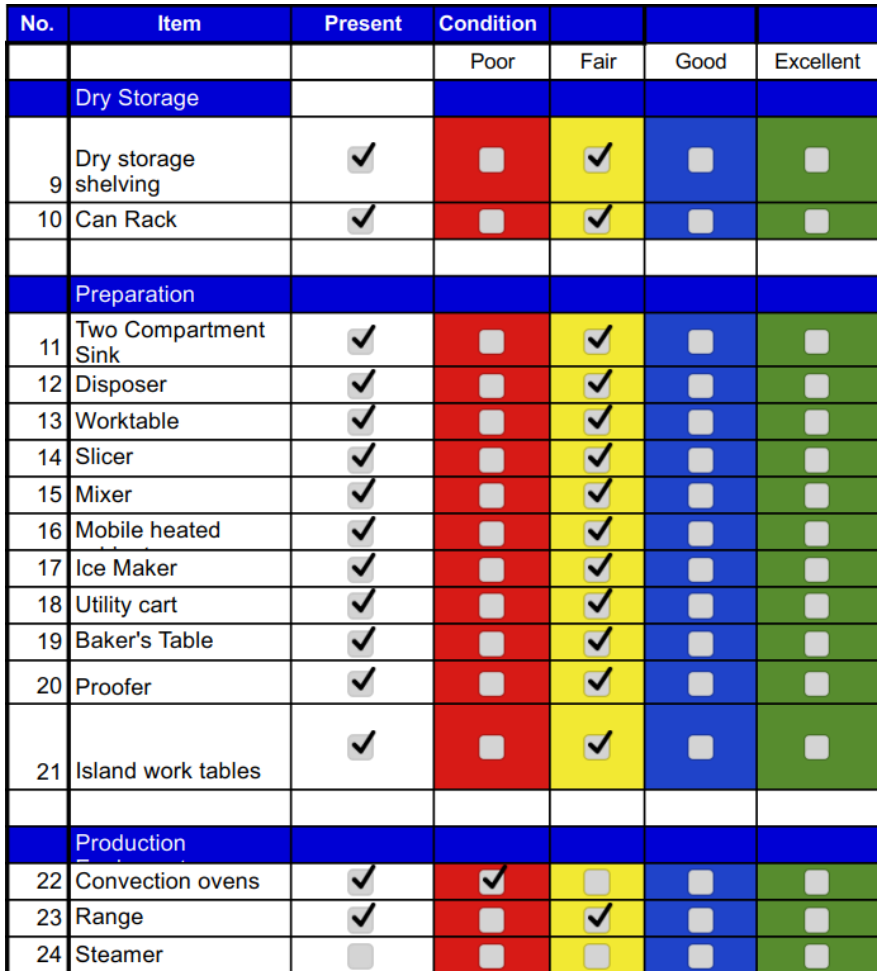
Educational spaces aligned with student needs

Child Nutrition Service Assessment

Study will review and rate current conditions of the critical Child Nutrition service functional areas / equipment.

Examples:

- Receiving Locations
- Locker / Toilet
- Janitor
- Dry Storage
- Cold Storage
- Preparation Areas
- Bake
- Production
- Holding
- Serving & Ware wash



No.	Item	Present	Condition			
			Poor	Fair	Good	Excellent
	Dry Storage					
9	Dry storage shelving	✓		✓		
10	Can Rack	✓		✓		
	Preparation					
11	Two Compartment Sink	✓		✓		
12	Disposer	✓		✓		
13	Worktable	✓		✓		
14	Slicer	✓		✓		
15	Mixer	✓		✓		
16	Mobile heated	✓		✓		
17	Ice Maker	✓		✓		
18	Utility cart	✓		✓		
19	Baker's Table	✓		✓		
20	Proofer	✓		✓		
21	Island work tables	✓		✓		
	Production					
22	Convection ovens	✓	✓			
23	Range	✓		✓		
24	Steamer					

Technology Assessment

The technology assessment identifies deficiencies and provides recommendations for each facility covering the following key areas:

- Server Room
- Technology Room
- Security & Access Control
- Audio-Visual Technology
- Network & Wireless
- Cable Infrastructure

Item	Assessment
Server Room	Inadequate
Technology Room	Marginal
Security & Access Control	Inadequate
Audio-Visual Technology	Adequate
Network & Wireless	Marginal
Cable Infrastructure	Adequate

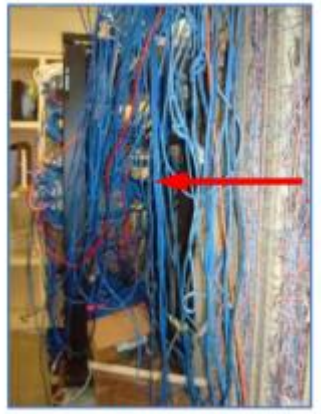


Exhibit H

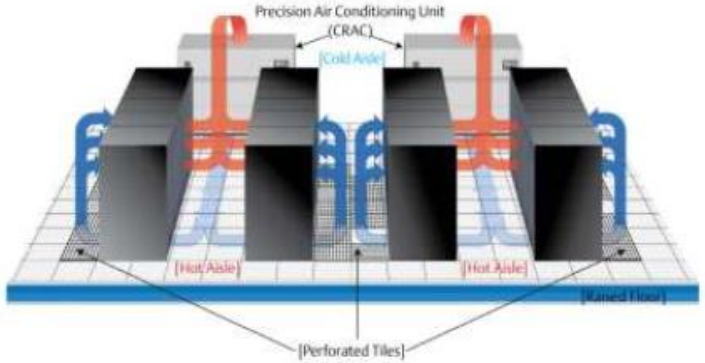
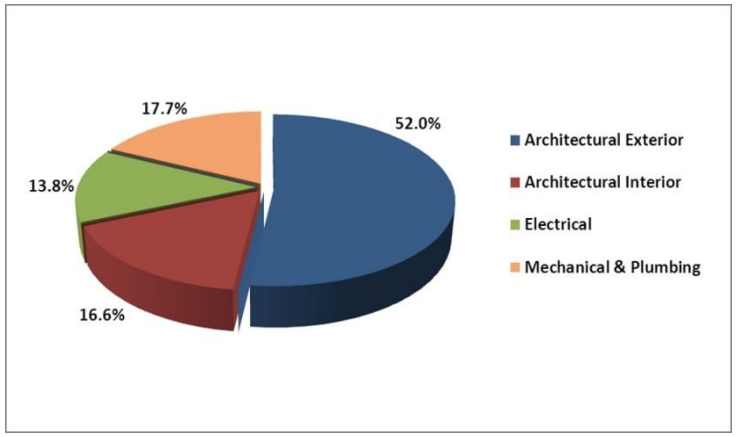
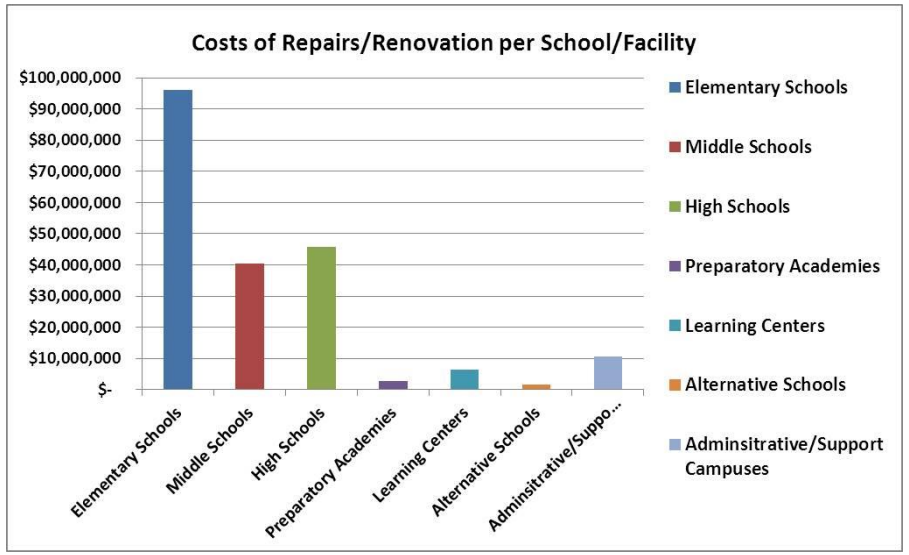


Figure 2

Facility Assessment Key Indicators



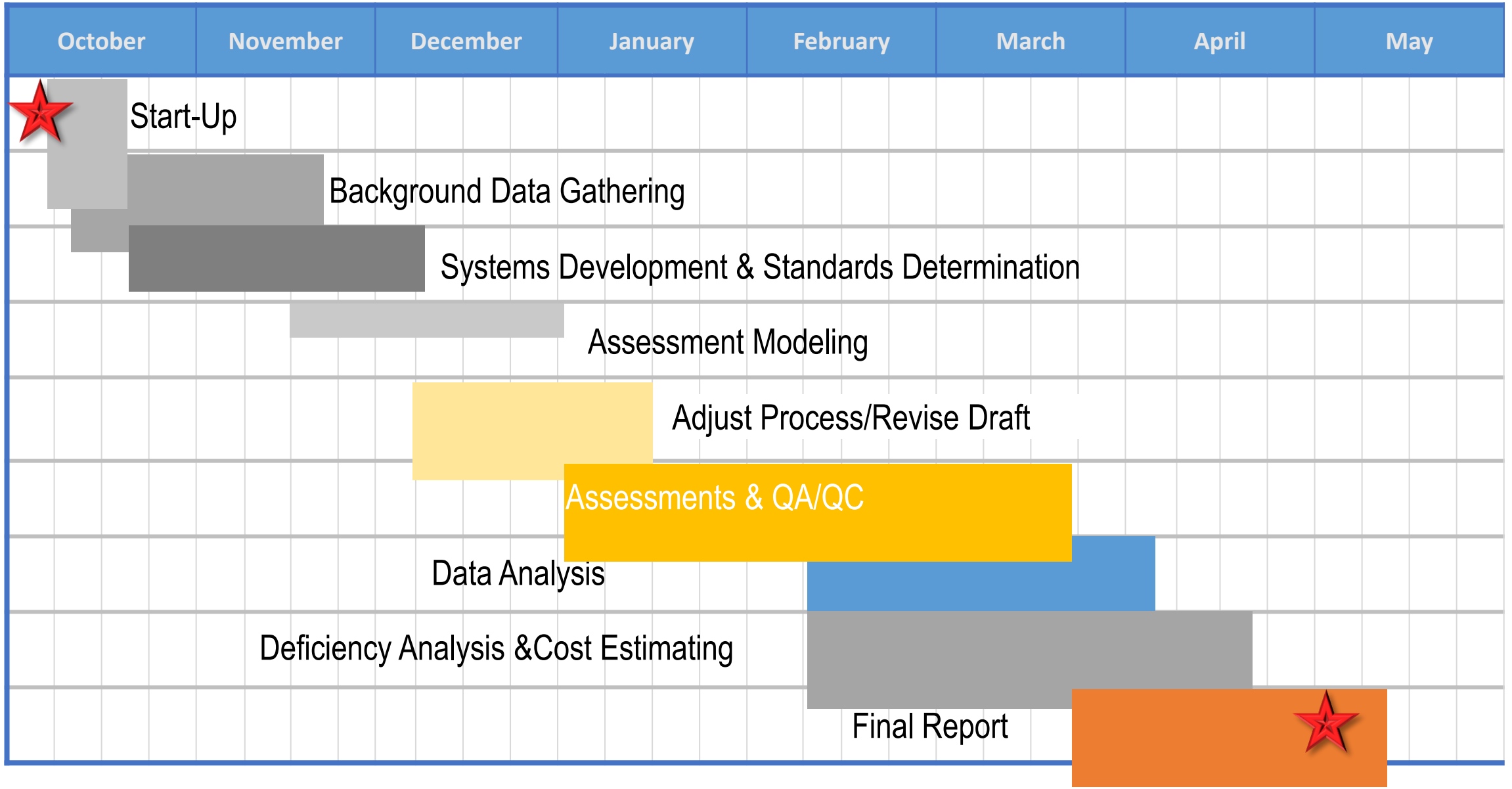


Assessment Scores

Facility Condition Index	85
Educational Suitability	63
Child Nutrition Index	68
Technology Readiness	72

Weighted Average Score 72

Preliminary Schedule



Share & Report

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