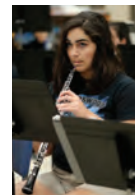




LONG-RANGE FACILITIES MASTER PLAN



Friendswood Independent School District
2018 Long-Range Facilities Master Plan
October 15, 2019 - Version 3.0 - DRAFT

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PREFACE

SUPERINTENDENT'S MESSAGE



Friendswood ISD students, parents, and staff have worked over the past year to develop a Long Range Facilities Master Plan that encompasses the culture and excellence that embodies our award-winning district and phenomenal students. The Board of Trustees along with the Superintendent and administration studied demographic projections for the District and met with various developers in the Friendswood ISD area in order to develop the Long Range Facilities Master Plan to meet the growing needs of students in Friendswood ISD presently and in the future. The Long Range Facilities Master Plan addresses aging school facilities, improving student safety and security as well as supporting high quality instruction.

The Long Range Facilities Master Plan incorporates the district's beliefs and explores providing 21st Century Learning environments for all students. Classrooms infused with technology and flexible, multi-use classrooms to support hands-on learning and promote collaboration are seen as key factors to student success. Facilities for career technology students, drama students, as well as athletics are also included in this plan to encourage lifelong learners. As the future of education evolves to meet students' needs, it is imperative that our teaching and learning philosophies and practices evolve as well. A quality education creates a bridge for all students to become independent contributing adults and meets with the beliefs and call to action for FISD.

This plan provides Friendswood ISD leadership with a framework for consideration of building and site improvements that will enable our ability to effectively serve our community and accomplish our mission. It is aligned with priorities contained in our strategic plan approved by the Board of Trustees. The future of FISD is promising and I am excited for our learning community.

A handwritten signature in black ink, appearing to read "Thad J. Roher".

Thad J. Roher, Superintendent
Friendswood Independent School District

Leading to Achieve Excellence in all Endeavors

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A Tradition of Exemplary Education



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PREFACE

ACKNOWLEDGEMENTS

On behalf of our entire team, we wish to express our sincere appreciation to the Friendswood Independent School District for the opportunity to participate in the development of the District-wide Long-Range Facilities Master Plan.

We also extend our utmost gratitude to the Friendswood ISD Board of Trustees, Superintendent, Senior Administrators, School Principals, Teachers, and Staff that actively participated in planning sessions; assisted with data collection and review; and provided District and facility-specific information, insight, expertise and vision. Their commitment and contributions were invaluable and significantly contributed to success of the endeavor.



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 James Patton.....Principal, Bales Intermediate
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LONG-RANGE FACILITIES MASTER PLAN

1 | INTRODUCTION





BACKGROUND & PERSPECTIVE

Preparing future-ready students for success in college, the workplace and their communities in an ever-changing global society is central to the educational mission of Friendswood Independent School District.

To translate this mission into actionable processes and tangible results, the District endeavors to facilitate student learning experiences that foster global awareness and competence; promote responsible behavior and strong values through character education and community service; provide opportunities to develop and demonstrate leadership skills; and ensure that all FISD graduates are academically well-prepared for college or their career of choice.

Accomplishing these objectives requires a team of professional, well-trained and empowered educators; a high degree of community participation and partnership; and learning environments that are safe and nurturing, as well as flexible and collaborative.

Because the physical environment has a direct impact on learning outcomes and student success, Friendswood ISD is committed to providing safe and well-maintained school facilities with learning environments that are purposefully aligned with its educational mission and curriculum.

In keeping with this commitment, the District launched a facilities assessment and master planning initiative in the spring of 2018 to identify future facilities and infrastructure needs and determine where investments and resources should be allocated to ensure that students will be provided with optimal educational programs and services for many years to come.

This effort encompassed a thorough assessment of existing facilities with regard

to physical condition, educational adequacy, capacity and enrollment; near-term needs such as life-cycle replacements, renovations and building additions; as well as new facilities that may be needed in the future to accommodate growth, meet educational programming requirements, and ensure equity and access for all students.

The “Friendswood ISD Long-Range Facilities Master Plan” drafted by PBK Architects, in collaboration with and on behalf of FISD, summarizes the District’s master planning journey in terms of purpose, process and results. The report includes introductory information about the District such as historical milestones related to communities and schools; key facts, figures, mission, goals and strategy. An overview of the assessment process is also provided along with a summary of findings and recommendations.



The assessment reports and campus master plans, as presented, represent hundreds of hours of data gathering, validation and prioritization involving a wide range of facility stakeholders including District administrators, department-heads, school principals, teachers, staff, students and members of the community as well as educational consultants, demographers, developers, real estate professionals, engineers and architects.



Friendswood ISD

Leading to Achieve Excellence



City of Friendswood Texas

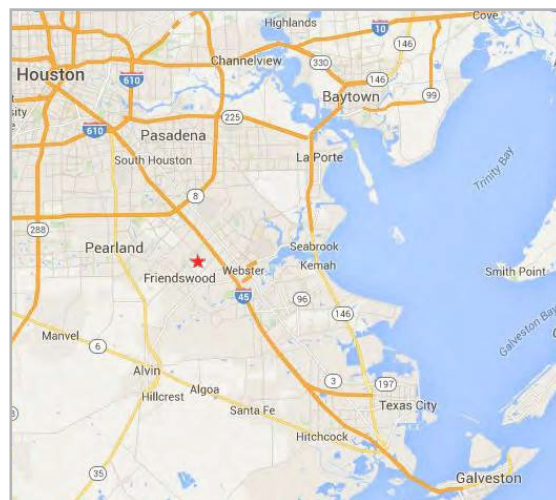
BACKGROUND & PERSPECTIVE



Friendswood Independent School District is located in southeast Texas in the historic and patriotic city of Friendswood; approximately twenty (20) miles south of Houston and less than thirty (30) miles inland from Galveston Bay. Friendswood is positioned in the northwest corner of Galveston County with boundaries that extend into southern Harris County.

Formally established 1895, the city of Friendswood has long been known for its focus on faith, family values, education and citizenship—dating back to the mid-1800's to present day.

The Friendswood Independent School District, formed as an independent district in 1948, has been serving the Friendswood community for more than seventy-five (75) years. Although rich in history, and tradition, the District remains one of the most progressive, accomplished, and recognized school districts in the state of Texas.





BACKGROUND & PERSPECTIVE

HISTORICAL MILESTONES // COMMUNITY AND SCHOOLS

1895

In the late 1800's, a small group of Quakers led by Frank Brown and Thomas Lewis wanted to establish a Quaker colony in northern Galveston County. They secured a deed of trust for 1,538 acres of land from a local landowner and Galveston banker named J. C. League. In the summer of 1895, they officially recorded the name of the settlement as "Friendswood" at the Galveston County Court House.

From its inception, Friendswood was deeply rooted in faith, family, education, and community.

Independence Day celebrations began in Friendswood in 1895 and continue to present day.

A post office was established in the town 1899.

1900

After the great storm of 1900, members of the Friendswood community gathered lumber from fallen trees in order to construct a two-story building that would serve as a church, school, and community gathering place. Construction of the new building was completed in 1902.

The church operated primarily on the second floor and the school on the first floor. Known as the "Academy", this building housed all grades through the late 1920's. Church services were conducted here through the late 1940's.



FIGURE 1.1 - Home of Frank Brown, 1895



FIGURE 1.2 - Friendswood Academy, 1902



FIGURE 1.3 - First Class of Friendswood Academy & Teacher (center), 1903

BACKGROUND & PERSPECTIVE

HISTORICAL MILESTONES // COMMUNITY AND SCHOOLS

1920

Quakers from other parts of the country began to flock to Friendswood and the community continued to flourish.

Farming was a way of life for early settlers, with figs, oranges and rice growing plentifully.

By the early 1920's Friendswood was home to 2 of seventeen 17 fig processing plants in the area. Figs remained one of the largest cash crops for local farmers through the 1930's.



FIGURE 1.4 - Farming - Oranges and Figs, 1920's

1930

In the early 1930's more families came to Friendswood looking for a new start, including those impacted by the Depression.

In the late 1930's development of oil fields nearby provided more jobs for current residents and new comers alike, and the town continued to grow.

In 1939, Friendswood School was completed and dedicated. This new, state-of-the art, brick school building was constructed at a cost of \$100,000, and was designed to accommodate 118 students in grades 1 - 11. (The campus also included a home economics cottage and a workshop.) Some students arrived to school on horseback, others walked. Shoes were not required until 1965.

Fast Facts: In 1939, the population of Friendswood was less than 300. The cost of a gallon of gas was 19¢. Minimum wage was 30¢ per hour.



FIGURE 1.5 - Fig Processing Plant, 1930's



FIGURE 1.6 - Friendswood School, 1939-1960



BACKGROUND & PERSPECTIVE

HISTORICAL MILESTONES // COMMUNITY AND SCHOOLS

1940

Friendswood Schools added the 12th Grade in 1941. A cafeteria facility was also built on the high school campus and home cooked meals were served.

Friendswood Schools purchased its first school bus in 1947.

In 1948, the Galveston County Board of Education changed the District's status from Common School District #12 to Friendswood ISD and the Friendswood Independent School District was formally established.

In 1949, a \$250,000 bond election was approved by voters for the construction of a new gymnasium and air conditioned cafeteria. The first FHS Homecoming Queen was crowned that same year.

1950

During the 1950's young families began moving out of the big cities and into the suburbs and Friendswood farmland was soon converted into subdivision homesites. The first fire station was constructed and businesses such as grocery stores and gas stations opened in town.

In 1959, the population of Friendswood was near 1,000.

In 1954, Drivers Education was approved as an accredited class. The FHS football team began playing 11 man football instead of 6 man, and Coach Glenn Winn wrote the lyrics to the Mustang Fight Song.



FIGURE 1.7 - First School Bus for Friendswood School



FIGURE 1.8 - Friendswood ISD Gymnasium



FIGURE 1.9 - Driver's Education Class

BACKGROUND & PERSPECTIVE

HISTORICAL MILESTONES // COMMUNITY AND SCHOOLS

1960

The community was incorporated in 1960 with 960 residents; the first mayor was elected along with a city council and a lawman. The city continued to grow as hundreds of NASA employees located there and more subdivisions, schools, churches and business were established.

In 1962, there were a total of 368 students in grades 1-12. That same year a \$375,000 bond issue was passed to construct a new school for junior and senior high students at 402 Laurel.

In 1965, residents joined forces to erect a city building without incurring any debt (labor, materials and funding were all donated).

By 1966, Friendswood had a medical clinic, pharmacy, bank, newspaper and police department and by 1967, there were 730 students enrolled in grades 1-12 with a total of 29 teachers.

In 1967, a bond issue of \$805,000 for Westwood Elementary School was approved. Voters also approved a \$1.64 million bond issue to build the new High School and Administration Building.

In 1969, the population of Friendswood exceeded 5,200.

Fast Facts: In 1960, the average household income was \$5,417. The cost of a gallon of gas was 30¢. Minimum wage was \$1 per hour.



FIGURE 1.10 - Students, late 1950's - early 1960's (shoes not yet required)



FIGURE 1.11 - Friendswood Aerial Image, 1962



FIGURE 1.12 - Third Graders, Friendswood School, 1967



BACKGROUND & PERSPECTIVE

HISTORICAL MILESTONES // COMMUNITY AND SCHOOLS

1970 By 1970, the population of Friendswood had grown to 5,675.

The new Friendswood High School opened in 1970 for grades 9-12. Built in four phases, it consisted of two major "mall areas" joined by two smaller hallways, with additional classrooms located in a fine arts annex building and science and math wing. The original Friendswood School became Friendswood Junior High School.

In 1970, the District began offering formal Kindergarten classes (Kindergarten classes were first informally organized by a group of mothers in the 1960's).

During the 1972-73 school year, a stadium and an auditorium were added at Friendswood High School.

The Friendswood High School Drill Team was established in 1972-73. Members of the Wranglerettes were selected for their dance ability, showmanship, scholastic ability and dedication to the school.

Friendswood Hardware opened in 1972.

In 1975, Friendswood Primary School (later named Cline Elementary School) opened for Kindergarten and first grade.



FIGURE 1.13 - New Friendswood High School



FIGURE 1.14 - Friendswood Kindergarten



FIGURE 1.15 - Friendswood Hardware Store

BACKGROUND & PERSPECTIVE

HISTORICAL MILESTONES // COMMUNITY AND SCHOOLS

1980

In 1981, second grade, a cafeteria and library were added at Friendswood Primary School (present-day Cline Elementary).

In 1987, FISD implemented Character Education as a part of the curriculum, emphasizing six character traits to promote self-esteem, self-discipline and responsible behavior; while improving decision-making and problem-solving skills, and reinforcing positive attitudes and strong values.

1990

The Friendswood High School Auditorium was destroyed by fire in 1991.

Fast Facts: In 1991, the population of Friendswood was 22,814. Average income was \$30,453. The price for a gallon of gas was 30¢. Minimum wage was \$3.35 per hour.

In 1994, Bales Intermediate School opened for grades 4, 5 and 6. In 1995-96, the District added internet access and email systems at all campuses. Technology skills became part of the curriculum as a graded subject, and Friendswood ISD launched its first website.

In 1999, Windsong Intermediate School opened. Third grade was added at Friendswood Primary School and the name was officially changed to C.W. Cline Elementary. An outdoor classroom/nature center was added at Westwood Elementary, and a Science Wing and Fine Arts Wing at FHS.



FIGURE 1.16 - C.W. Cline Elementary (formerly Friendswood Primary School)



FIGURE 1.17 - Character Education



FIGURE 1.18 - Technology Curriculum



BACKGROUND & PERSPECTIVE

HISTORICAL MILESTONES // COMMUNITY AND SCHOOLS

2000 In 2003, smartboards and interactive dry erase boards were provided in classrooms. Friendswood ISD also began offering full day Kindergarten.

In 2006, a group of parents and students built the Ag Barn for the students to raise show animals.

The new Friendswood Junior High School at Centennial Park opened for grades 6, 7 and 8 in 2010. The original Friendswood School still exists and houses multiple District functions including a board meeting room.

CNN/Money Magazine named Friendswood as one of the 100 “America’s Best Places to Live” in 2009.

2010 During the 2010-2011 school year, additions to the athletic facilities at FHS were completed including a new state of the art Natatorium.

In 2015, the District celebrated its 75th Anniversary and an FISD Museum was established in the old school building.

In 2016, the population of Friendswood exceed 39,000.

In 2017, Friendswood ISD became a District of Innovation (1 of only 80 districts in the State of Texas).

In 2018, Friendswood ISD was recognized as one of the Best School Districts in America by the National Council for Home Safety and Security.



FIGURE 1.19 - Kindergarten



FIGURE 1.20 - Friendswood ISD Museum



FIGURE 1.21 - Best School Districts in America, 2018





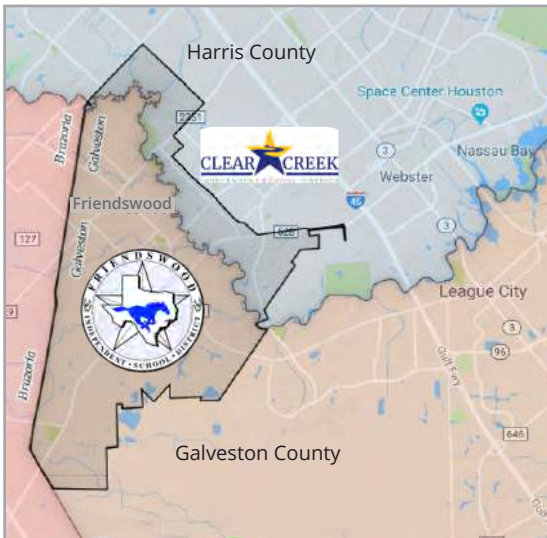
DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // FACTS & FIGURES



Growth has continued at a steady pace, with the population of Friendswood more than doubling with each census count from 1960 through present day.

The city of Friendswood currently encompasses a twenty-one (21) square mile area that spans across portions of both Galveston and Harris Counties, with a total population that exceeds 39,000.



Although close in proximity to the hustle and bustle of Houston, Hobby Airport, and Galveston Island, the residents of Friendswood have succeeded in adapting, modernizing and evolving through the years, while preserving the character, charm and universal appeal of their community and schools.

Friendswood Independent School District covers a fifteen (15) square mile area inside the city limits of Friendswood on the northwest edge of Galveston County, bordered by the neighboring school districts of Pearland, Alvin, Clear Creek and Santa Fe. Friendswood ISD serves the larger Galveston County region of Friendswood with Clear Creek ISD serving the smaller areas that extend into Harris County.



Friendswood ISD is governed by a seven (7) member Board of Trustees and is under the day-to-day leadership of Superintendent Thad Roher.

FISD is fully accredited by the Texas Education Agency (TEA) and is part of the Region 4 Education Service Center (ESC) domain.

DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // FACTS & FIGURES



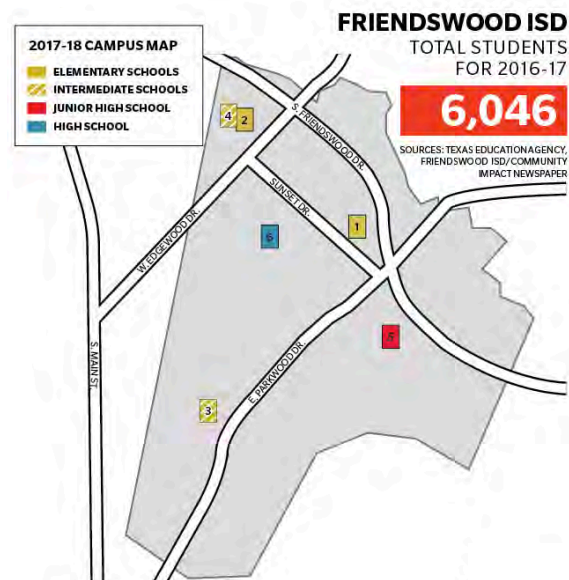
FISD employs more than 400 full-time employees and educates more than 6,000 students each year from pre-kindergarten through 12th grade.

During the 2016-2017 school year, District-wide enrollment was 6,046 with a high attendance rate; a student-per-teacher ratio of 16.1; and a four-year graduation rate of 98.9%. Roughly eight percent (8%) of the students attending Friendswood ISD schools were classified as economically disadvantaged, and approximately three percent (3%) were categorized as English Language Learners (ELL).

The District has a total of six (6) school campuses that include two (2) elementary schools, two (2) intermediate schools, one (1) junior high school and one (1) high school, in addition to an administration building, a support services/transportation building, and an original school building that has been re-purposed. FISD also maintains various property assets and undeveloped land.

Leading by example, FISD continues to be recognized both regionally and state-wide

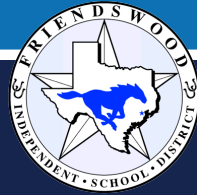
for high student test scores and district accountability ratings. FISD was named the 5th most efficient Texas School District by the Texas Business Coalition, and in 2019 was named as the #1 Best School District in the Houston-Metro area by Niche K-12. Friendswood ISD was one of the few Texas districts to receive an "A" rating based on the new state accountability system in 2019 (only 19% of the school districts state-wide and only 12% in the Houston-area scored in the A range).





DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // MISSION



MISSION

Friendswood Independent School District aspires to be a premier school of choice where every student is future-ready in a global Society.

- Ready For Higher Education
- Ready for the Workplace
- Ready for Service
- Ready for Personal Success /Leadership

FISD will lead to achieve excellence in all endeavors.



DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // STRATEGIC FRAMEWORK

INTRODUCTION

In today's world of rapid and continuous change driven by technology that is revolutionizing every field and creating new ones, and by a world in which time zones are increasingly meaningless, the concept of institutions of learning is being reshaped. The imperative of high quality learning for all is never more meaningful than it is today, for each individual learner and for the community at large. It is essential that there is a tight synchronicity between all dimensions of the learning process so they can serve the goal of high level learning for all, unlimited opportunity and the adaptation to change in the future. A future focused approach and the engagement of the entire community is a requirement in meeting these vast challenges. What is taught, how it is taught, the values of

the learner and, ultimately, the design of learning spaces, must be considered at once in a unified sense of design.

Friendswood ISD, always a leader in the state, its Board, its Leadership and its Community understands this challenge and has welcomed it. They are addressing it through a unique process of community involvement, channeled through a diverse Design Team to design their future through a Strategic Process. That has resulted in a sweeping statement of beliefs and vision, translated into Goals and Action Plans that span academics, character traits, relationships and ways of thinking. From this, Learning Spaces can be designed that open up the possibilities of authentic experiences and learning, fluid and viable for generations of students to come.

Dr. Stephen F. Waddell
Executive Facilitator
Engage2Learn



www.engage2learn.org





DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // STRATEGIC FRAMEWORK



- That learning is meaningful, relevant, and ever-evolving which motivates students, educators, parents, and community members to be life-long learners.
- Students learn best and succeed in a space where they feel heard, seen, and connected.
- Student-teacher relationships are key to student success.
- Education has a responsibility to value and support all students dreams and aspirations.
- Learning is unique to individual's passions and needs.
- Public education provides well-rounded educational opportunities for all.
- Communication, collaboration, and real-world connections lead to profound learning.
- Interpersonal relationships and connections are vital to the learning of and the development of civility and respect.
- Education for the future provides for the ability to learn and problem solve.
- Every student has a right to a safe learning environment.
- Relevant, authentic, and engaged learning provides the best opportunity for true growth.
- A well-rounded student is the product of academic, social, and emotional learning.
- A quality education creates a bridge for all students to become independent contributing adults.

DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // STRATEGIC FRAMEWORK



Learner Profile

Academic Traits

- Persists
- Is flexible
- Is self-disciplined
- Displays grit
- Is open minded
- Is a risk-taker
- Is self directed
- Is inquisitive
- Is analytical

Character Traits

- Is respectful
- Is responsible
- Is service-minded
- Has integrity
- Is caring
- Is accountable
- Is ethical
- Is resilient
- Is a forward thinker
- Is empathetic
- Is a team player
- Is courageous
- Is an encourager
- Is dependable
- Has a strong work ethic
- Is optimistic
- Is self-reliant
- Is a good citizen

Relationships

- Communicates effectively
- Collaborates
- Advocates for self and others
- Stays connected
- Resolves conflict
- Accepts others and self

Ways of Thinking

- Thinks deeply
- Problem solves
- Innovates
- Thinks critically
- Reflects
- Analyzes
- Deduces
- Categorizes
- Predicts
- Thinks intuitively



DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // STRATEGIC FRAMEWORK

Learner

- Every student will have a positive relationship with at least one adult at school.
- Each learner will demonstrate effective collaboration skills in both small and large team settings in every class.
- All students will effectively communicate utilizing a variety of media on a daily basis.
- Every student will achieve individual goals through an annual personal success plan.
- All students will graduate ready for their college or career choice.
- All students will demonstrate positive character daily.
- Each learner will explore the unknown, report discovery, and celebrate learning in every class.

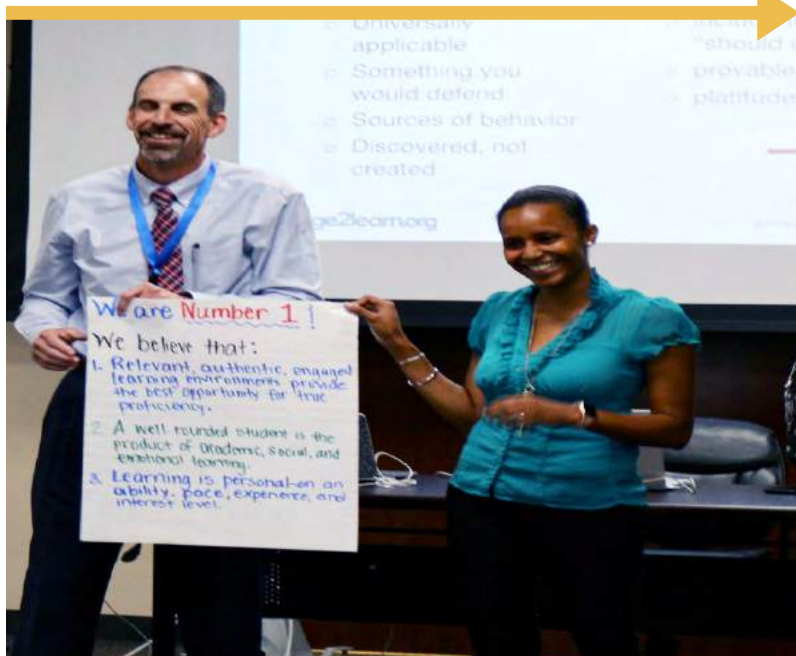


DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // STRATEGIC FRAMEWORK

Outcomes

- Every student will participate in a meaningful service activity each year.
- Every learner will connect through participation in a school activity or community group annually.
- All students will demonstrate measurable academic growth each year.
- All students engage in meaningful authentic learning every day appropriate to their unique path.
- Each learner will set measurable goals for his/her own learning exploration.
- All learners will identify a problem and apply problem solving, critical thinking, and creativity in all classes.
- All students will display a strong work ethic and be accountable for prioritizing their individual academic and social growth in every class.





DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // GOALS AND PURPOSE



1. We will develop a district-wide system that establishes a culture of community service for all students.
2. We will redefine the measure of student success based on our beliefs and call to action.
3. We will provide professional learning that is aligned to our beliefs and call to action.
4. We will partner with the community to actively create and foster a learning environment dedicated to real-world instruction and experiences.
5. We will strategically allocate resources for facilities that promote authentic learning experiences and real-world opportunities.
6. All students will be engaged in authentic learning experiences in and beyond the classroom.
7. We will develop initiatives that promote strong character traits, emotional maturity, and social well-being for each child.

→ Year1 Specific Results

- 2.2 Provide strategic opportunities for students to explore and create individual pathways of success.
- 2.4 Establish a system that eliminates class rank and cultivates each student's unique path.
- 3.2 Engage teachers to design professional learning that promotes the district call to action.
- 4.1 Establish and organize interactive community partnerships.
- 5.1 Implement an ongoing targeted system for social emotional Tier II and Tier III student identification and intervention strategies.
- 7.1 Construct a layered research-based system to drive social emotional well-being of students and their community.



DISTRICT HIGHLIGHTS

FRIENDSWOOD ISD // GOALS AND PURPOSE



Call to Action

Through authentic experiences and relationships, FISD will graduate confident learners equipped with the knowledge, skills and character to thrive in and contribute to a global society.







LONG-RANGE FACILITIES MASTER PLAN

2 | FINDINGS & DIRECTIONS





FINDINGS & DIRECTIONS

As a part of the facility condition assessment and master planning process, multiple meetings were held to discuss current and anticipated facility needs and priorities as dictated by condition, capacity, enrollment, educational programming and/or District operations.

Representatives from both Friendswood ISD and PBK participated in the planning and review sessions including members of the Fisd executive team, department leads, and school principals, in addition to architects, engineers and facility planners.

Working together, the team analyzed the data collected and shared insights and perspectives regarding current and anticipated facility needs. Identified needs were then further vetted, categorized and prioritized by the group, based upon demographics, projected enrollment and capacities; educational program needs;

as well as anticipated life cycle and facility maintenance needs.

Once consensus was reached, the team prepared a summary of Findings and Directions as a basis for discussion and decision-making.

The Findings and Directions outlined herein include recommendations for existing school campuses and new school construction, in addition to identified needs with regard to instructional and administrative support facilities.

In terms of asset management, it is important to note that Friendswood ISD facilities have been well-maintained. The maintenance items identified in this chapter and, in subsequent chapters, reflect needs generated by typical and anticipated wear, as well as scheduled system and equipment life-cycle repair and replacement expenditures in the coming years.





FINDINGS & DIRECTIONS

FRIENDSWOOD HIGH SCHOOL ATHLETIC DEPARTMENT

FINDINGS

The existing interior athletic facilities are undersized and could be enlarged to support program growth. There is a need for a competition gymnasium that can also support volleyball. Additionally, there is a need for additional support spaces such as locker rooms, weight rooms, training room and offices.

DIRECTIONS

Considering building a competition gymnasium that can accommodate 1,000 seats and volleyball. New gymnasium should also include locker rooms, weight room, training room, classroom, offices and support spaces.

FRIENDSWOOD HIGH SCHOOL FINE ARTS - THEATER DEPARTMENT

FINDINGS

The existing auditorium and adjacent theater arts support spaces are in need of a major renovation, space expansion, and numerous technical upgrades. The auditorium seating capacity, acoustics, and sightlines all are in need of upgrades for the current program. The band and choir spaces are also undersized for the current enrollment and interest in the program. As a renovation and expansion is considered to these areas, there will be code revisions and upgrades to address.

DIRECTIONS

Considering the size, configuration and location of the existing auditorium, a major expansion in its current location is not practical. Consider building a new auditorium, black box and support spaces.

FINDINGS & DIRECTIONS

FRIENDSWOOD HIGH SCHOOL CAREER & TECHNOLOGY EDUCATION (CTE) DEPARTMENT

FINDINGS

There has been an increase in enrollment in the existing CTE programs and some programs are at capacity and regularly have to turn away students. The Culinary Arts, Ag, Floral Design, AV/TV Studio and Computer Sciences are all candidates for a major renovation and expansion.

DIRECTIONS

Consider a CTE expansion that would accommodate the existing programs, and be flexible to accommodate modifications for future programs. Existing CTE spaces could be renovated into World Languages labs and general classrooms.

CLINE ELEMENTARY SCHOOL

FINDINGS

Cline Elementary is in need of a major renovation and priority maintenance repairs. This campus is also in need of site access improvements and additional parking that are not feasible with the current public street configuration and access to the campus. As a major renovation and expansion is considered to this campus, there will be code revisions and upgrades to address. Current demographic studies continue to show student growth migration to the south, and zoning patterns are becoming very irregular to accommodate the K-5 grade population.

DIRECTIONS

Consider building a new K-5 campus on District-owned property in the south and demolish or re-purpose existing Cline. Other options consist of building a 10+ classroom addition to Windsong to accommodate the growth in the south; however, the noted deficiencies at Cline would still need to be addressed.



FINDINGS & DIRECTIONS

WINDSONG INTERMEDIATE SCHOOL

FINDINGS

Windsong Intermediate is near capacity and current demographic studies show continued student growth migration to the south. As noted above, Windsong could be factored into several options related to Cline Elementary in future. However, Windsong is currently at capacity and demographics indicate continued growth in the current Windsong zone.

DIRECTIONS

Considering current demographic information and predictions, Windsong will need a 6-10 classroom addition in the near future.

NEW TRANSPORTATION CENTER

FINDINGS

The existing Transportation Center is outdated and undersized for current needs. The fueling station is outdated (and shared by Friendswood Police Department, there is no bus wash or repair pits and no spaces for staff orientation and training. The bus parking area is also in need of repair as some buses are parking on an old tennis court, and needs repair.

DIRECTIONS

A major renovation and addition is required at the existing facility to address current needs. Considering the extent of the identified renovation needs and growth needs, a new transportation center should be considered.

FINDINGS & DIRECTIONS

NEW AG BARN

FINDINGS

The existing Ag Facility is overcrowded and in need of expansion to accommodate the enrollment and interest in the Ag Sciences Cluster.

DIRECTIONS

Consider expanding the Ag Sciences capacity by building a new Ag Barn facility on the District-owned property adjacent to the existing Ag Barn. The new barn should include animal pen areas, wash and grooming area, restrooms and lockers, small office and pasture area.

ADMINISTRATION ANNEX

FINDINGS

The existing Administration Annex is a collection of buildings of various ages, functional appropriateness, and various needs for repair and maintenance. There are numerous levels of priority maintenance and code upgrades identified. As with all aged buildings, a renovation to these facilities will trigger required code upgrades.

DIRECTIONS

Consider demolition of the existing “gymnasium” and “cheer” buildings and remove portables. Also consider a major renovation of the main annex to include architectural, mechanical, electrical, and plumbing renovations.



FINDINGS & DIRECTIONS

SAFETY & SECURITY

FINDINGS

While the District has made safety and security a priority, there are ongoing and ever changing issues to monitor such as site control, building access, card readers and security cameras. There are various levels of security related maintenance items and suggested improvements identified throughout this assessment.

DIRECTIONS

Secure vestibules continue to be improved and modified at the time of this publication and should be assessed on a continued basis for vulnerability and areas of needed improvement. Items coded as Life Safety & Security in this assessment should be monitored and appropriately prioritized as needed.



LONG-RANGE FACILITIES MASTER PLAN

3 | DEMOGRAPHICS & CAPACITIES





DEMOGRAPHICS & CAPACITIES



District demographics and student enrollment data are essential sources of information. The demographic profile of a school district provides meaningful insight regarding the school community as a whole based on a variety of geographic, economic and societal factors. This often includes population-based attributes such as the total number of people residing within the district boundary area; age, gender, race and ethnicity; marital status, educational attainment, and phase of life; number of households, household composition and family structure; average household income and home values; employment characteristics and poverty rates, as well as typical change-based statistics such as births, deaths and net migration.

Examining student enrollment patterns, regional demographics and the changes in those measures observed over time provide a baseline for predicting future

enrollment trends and related needs. This type of information is particularly relevant because operational decisions regarding district facilities and staffing, educational programs, transportation, departmental budgets and more, are rendered principally based upon projected student enrollment.

For these reasons, Friendswood ISD routinely engages Texas-based “Population and Survey Analysts” (PASA), an experienced and well-regarded consulting firm to provide demographic and enrollment data for use decision-making, budgeting, staffing and planning.

PASA data is summarized herein for reference purposes, along with supplemental regional facts and figures. Additional sources of data cited herein include Texas Association of Counties, U.S. Census, Office of the State of Texas Demographer, etc.





DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // REGIONAL DEMOGRAPHICS

GALVESTON COUNTY

FACTS & FIGURES

Total Land Area	378.36 Square Miles
Population	335,036 (2017, est.)
Nativity & Foreign Born	
· Foreign Born	9.7%
Race	
· White	57.3%
· Hispanic or Latino	24.6%
· Black or African American	13.4%
· Asian	3.5%
· American Indian and Alaska Native	0.8%
· Native Hawaiian and Other Pacific Islander	0.1%
Language other than English spoken at home	20.2%
Education	
· High School Grad+	87.6%
· Bachelor's Degree+	28.9%
No. of Households	115,685
Median Home Value	\$161,100
Median Gross Rent	\$941
Median Household Income	\$63,064 (2016 dollars)
Per Capita Income	\$32,756
Unemployment Rate	4.8% (March, 2018)
Poverty Rate	12.9%



Fast Fact: Galveston County was created from a portion of Brazoria County in 1838-39. The County was named for the Spanish governor of Louisiana "Count Bernardo de Galvez".

DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // REGIONAL DEMOGRAPHICS

CITY OF FRIENDSWOOD

FACTS & FIGURES

Total Land Area	21.2 Square Miles
Population	39,767 (est.)
Percent Developed	70%
Race	
· White	77.5%
· Hispanic or Latino	13.1%
· Black or African American	3.20%
· Asian	4.62%
· Mixed	1.44%
· Other	0.18%
Education	
· High School Grad+	98%
· Bachelor's Degree+	52%
No. of Households	14,351
Median Age	41
Average Household Income	\$131,024 (2016 dollars)
Per Capita Income	\$32,756
Top Business Categories	Aerospace & Aviation, Medical & Life Sciences, Specialty Chemicals, Maritime





DEMOGRAPHICS & CAPACITIES

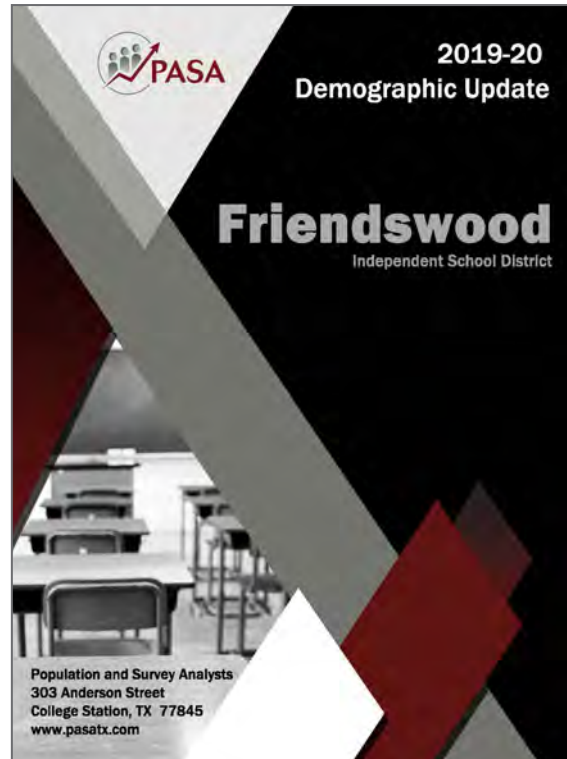
FRIENDSWOOD ISD // DISTRICT DEMOGRAPHICS

FRIENDSWOOD ISD DEMOGRAPHICS & ENROLLMENT

Specializing in work with public school districts specifically, PASA is the largest demographic firm in Texas and has served Friendswood ISD for several years.

The demographic study conducted for the District by PASA in 2014 was refreshed in September, 2017 and fully updated in the fall of 2019. The 2019 update included a study of current student locations, trends occurring in student relocation patterns throughout the District, potential growth based on new housing development, as well as relevant economic factors both locally and nationally.

The findings of the 2019 update were published in a "2019-20 Demographic Update" final report dated September, 2019.



Data provided by PASA was utilized throughout the long-range master planning process.



DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // DISTRICT DEMOGRAPHICS

FRIENDSWOOD ISD DEMOGRAPHICS & ENROLLMENT

District Boundary Area	16.49 Square Miles
Enrollment	6,070 (2018-19)
Race	
· White	72.2%
· Hispanic or Latino	15.4%
· Black or African American	2%
· Asian	6.5%
· Other	2.9%
Median Age	42 years
Education	
· Bachelor's Degree+	53%
Median Household Income	\$119,571
Unemployment Rate	3.5% (July, 2019)
Economically Disadvantaged Student Population	9.9% (2018-19)



In the ten (10) year period from 2007 to 2017, the District grew by 3.84%, with 5,865 students in 2007 to 6,090 in 2017.

In the coming years, the student population is expected to continually increase, particularly at the elementary and junior high school levels.

A growth rate of 25% is anticipated for early-childhood through 5th grade, with a total of 3,297 elementary students enrolled by 2029 (exceeding current capacity at a utilization rate of 115%).

At the junior high school level, a 28% increase in student enrollment is expected, reaching a total of 1,868 students by 2029 (101% utilization).

Enrollment at the high school level is expected to increase by 10% with 2,296 students projected by 2029 (94% utilization).

To accommodate future growth, several options were considered during the master planning process including rezoning options, facility renovations, additions and new construction.



DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // ENROLLMENT PROJECTIONS

FRIENDSWOOD ISD DEMOGRAPHICS & ENROLLMENT

The District-wide enrollment projections developed by PASA were based on an evaluation of the current student population; recent trends in the geo-coded students; the number of new students anticipated due to additional housing occupancies, as well as the over-all economic outlook.

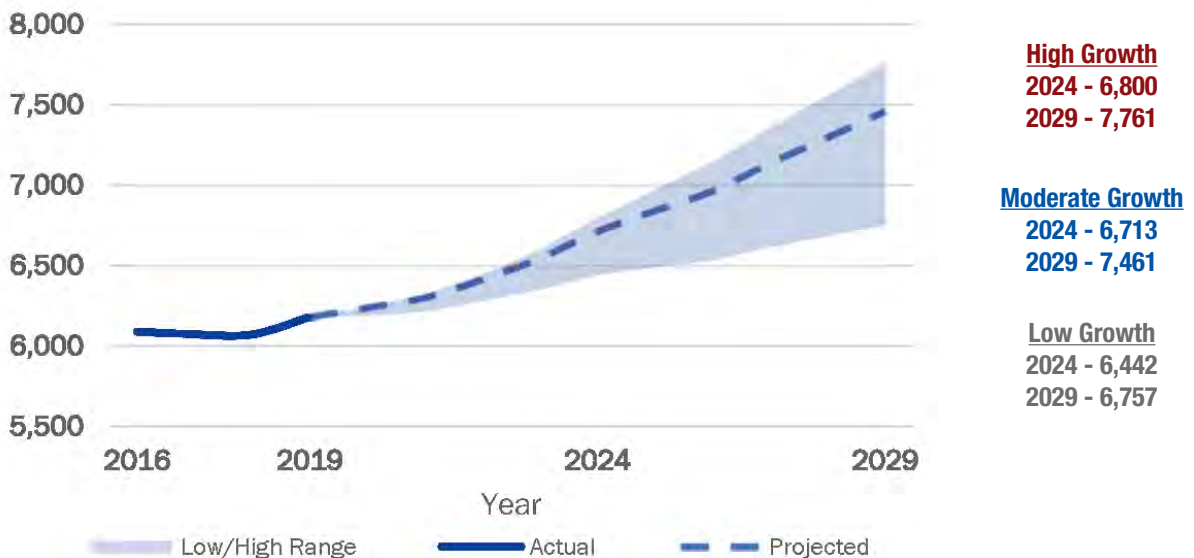
PASA developed three (3) projection scenarios to include Low Growth, Moderate

Growth, and High Growth. A conservative approach was taken during the development of each scenario to avoid over-building.

Based on Moderate Growth projections developed by PASA, District-wide student enrollment is expected to steadily increase each year over the next ten (10) year period reaching 6,713 by 2024, and a total of 7,461 by the fall of 2029.



THREE SCENARIOS OF GROWTH



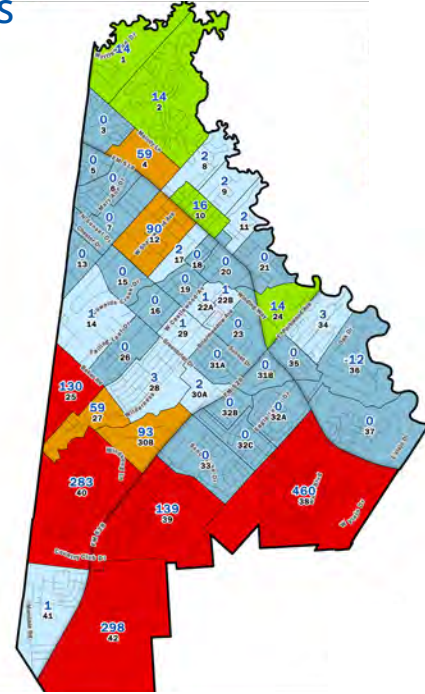
DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // ENROLLMENT PROJECTIONS

FRIENDSWOOD ISD DEMOGRAPHICS & ENROLLMENT

Much of the anticipated growth is expected in the southern region of the district with pockets of growth projected in the northern-central region as well.

The charts on the following pages illustrate the PASA projections by grade-level group based on the Moderate Growth scenario.



Projected Student Population Moderate Growth Scenario By Grade Group

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Enrollment by Grade Group										
EE-2nd	1,400	1,477	1,506	1,544	1,555	1,549	1,552	1,566	1,593	1,626
3rd-5th	1,361	1,384	1,476	1,523	1,612	1,641	1,676	1,680	1,672	1,671
6th-8th	1,464	1,456	1,441	1,522	1,553	1,657	1,707	1,803	1,832	1,868
9th-12th	2,014	1,984	1,991	1,958	1,993	1,995	2,030	2,090	2,201	2,296
	6,239	6,301	6,414	6,547	6,713	6,842	6,965	7,139	7,298	7,461



DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // ENROLLMENT PROJECTIONS

FRIENDSWOOD ISD DEMOGRAPHICS & ENROLLMENT

The enrollment projections below are based on the boundary areas of Cline Elementary School as currently zoned in 2019.

Under the Moderate Growth Scenario, all school campuses will remain within design

capacity through 2019-2020. However, by 2020-21, it is expected that enrollment at Cline Elementary will have exceeded building capacity; and by 2022-23, it is anticipated that all elementary and intermediate schools will have exceeded capacity due to growth.



	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Westwood										
Students Projected (EE-2nd)	633	677	710	713	723	720	710	705	705	711
Capacity	710	710	710	710	710	710	710	710	710	710
Percent Utilization	89%	95%	100%	100%	102%	101%	100%	99%	99%	100%
Bales										
Students Projected (3rd-5th)	610	625	616	666	704	746	749	755	753	752
Capacity	650	650	650	650	650	650	650	650	650	650
Percent Utilization	94%	96%	95%	102%	108%	115%	115%	116%	116%	116%
Cline										
Students Projected (EE-3rd)	844	876	899	934	962	983	991	997	1,008	1,024
Capacity	850	850	850	850	850	850	850	850	850	850
Percent Utilization	99%	103%	106%	110%	113%	116%	117%	117%	119%	120%
Windsong										
Students Projected (3rd-5th)	547	583	636	667	678	718	740	771	780	778
Capacity	650	650	650	650	650	650	650	650	650	650
Percent Utilization	84%	90%	98%	103%	104%	110%	114%	119%	120%	120%
Total										
Students Projected	2,634	2,761	2,861	2,980	3,067	3,167	3,190	3,228	3,246	3,265
Capacity	2,860	2,860	2,860	2,860	2,860	2,860	2,860	2,860	2,860	2,860
Percent Utilization	92%	97%	100%	104%	107%	111%	112%	113%	113%	114%

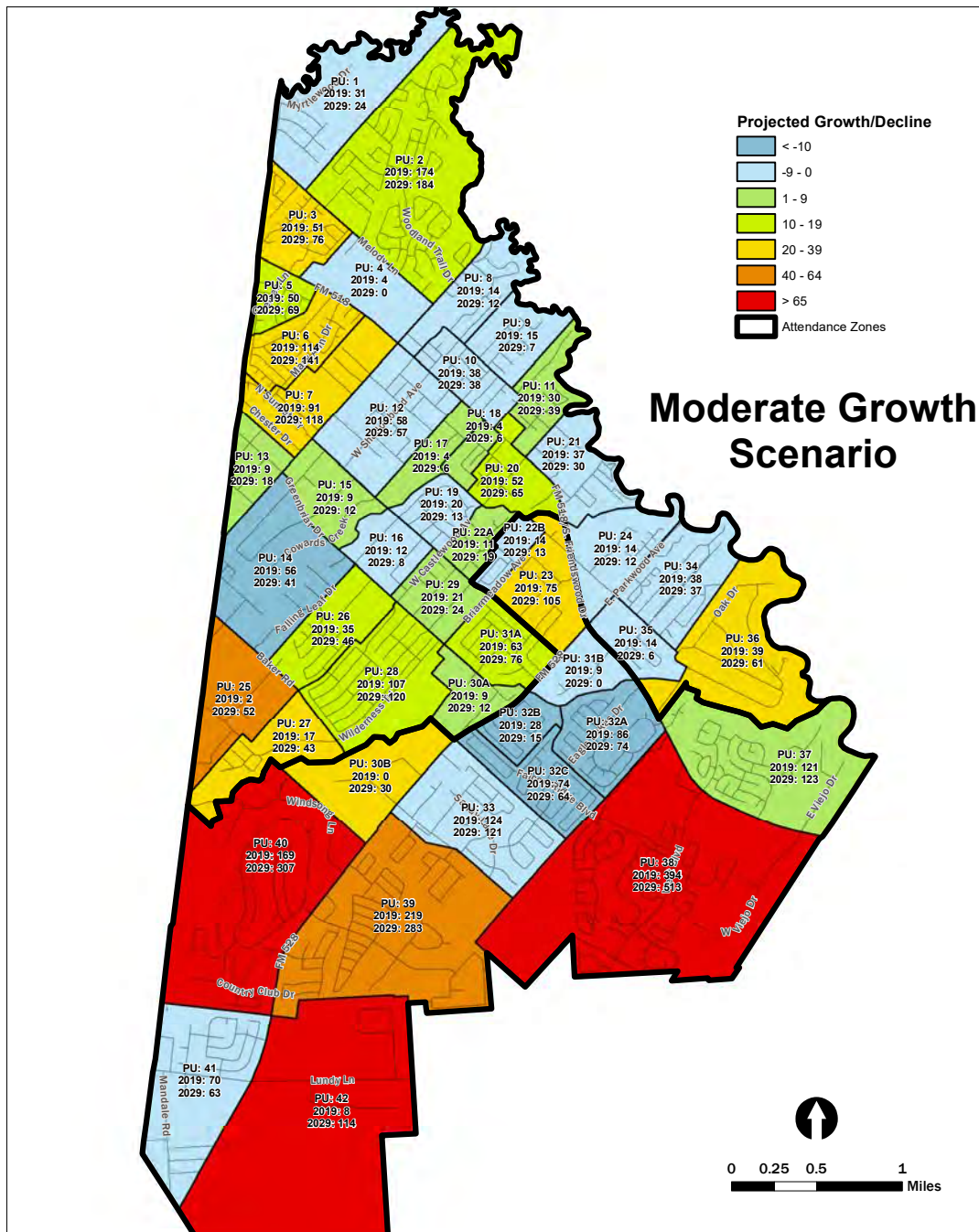
	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Junior High School										
Students Projected (6th-8th)	1,461	1,464	1,456	1,441	1,522	1,553	1,657	1,707	1,803	1,832
Capacity	1,856	1,856	1,856	1,856	1,856	1,856	1,856	1,856	1,856	1,856
Percent Utilization	79%	79%	78%	78%	82%	84%	89%	92%	97%	99%
High School										
Students Projected (9rd-12th)	2,085	2,014	1,984	1,991	1,958	1,993	1,995	2,030	2,090	2,201
Capacity	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450
Percent Utilization	85%	82%	81%	81%	80%	81%	81%	83%	85%	90%

DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // ENROLLMENT PROJECTIONS

FRIENDSWOOD ISD DEMOGRAPHICS & ENROLLMENT

Projected EE-5th Grade Students by Planning Unit Moderate Growth Scenario -- 2019-20 to 2029-30 Friendswood I.S.D.





DEMOGRAPHICS & CAPACITIES

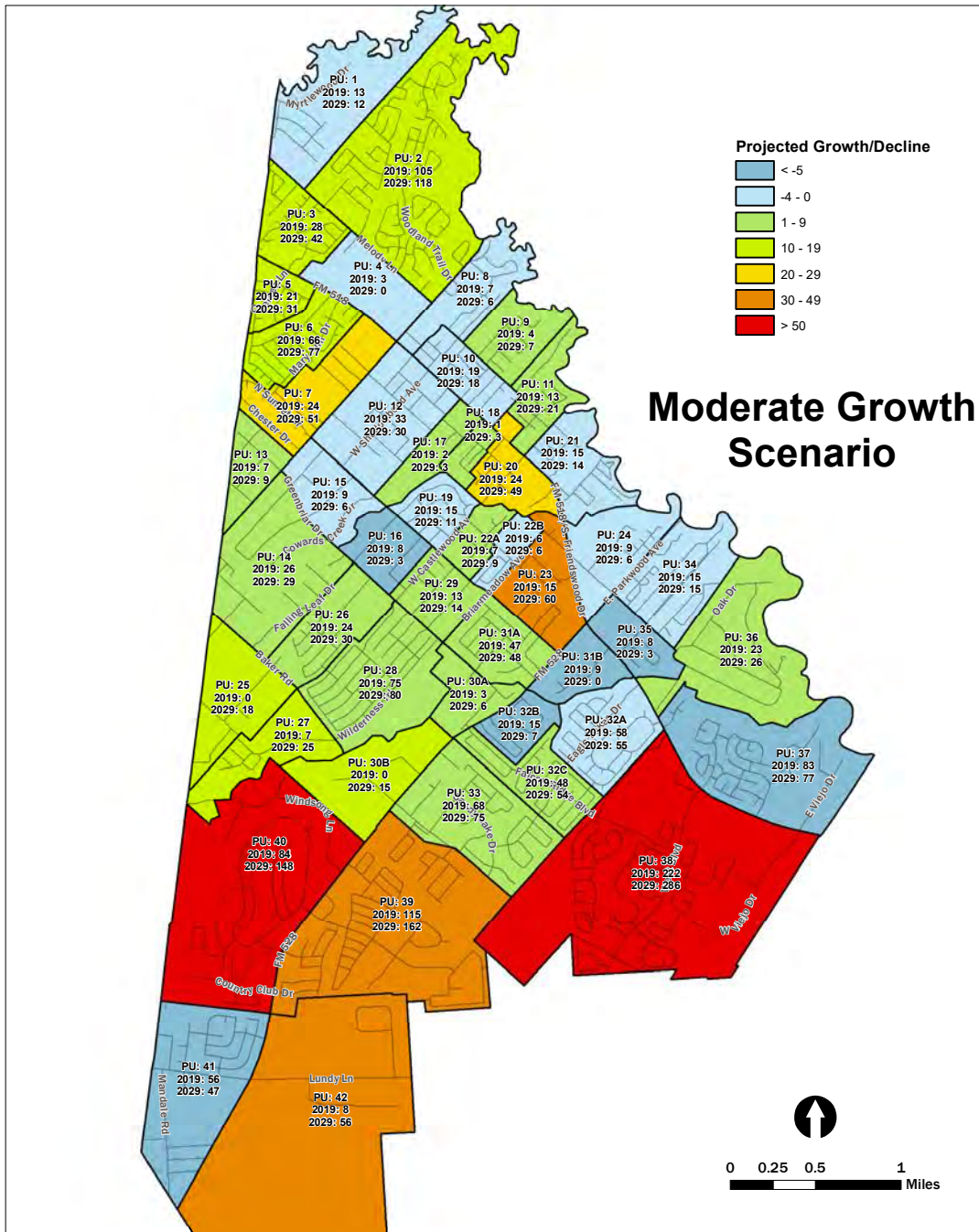
FRIENDSWOOD ISD // ENROLLMENT PROJECTIONS

FRIENDSWOOD ISD

DEMOGRAPHICS & ENROLLMENT

Projected 6th-8th Grade Students by Planning Unit

Moderate Growth Scenario -- 2019-20 to 2029-30
Friendswood I.S.D.

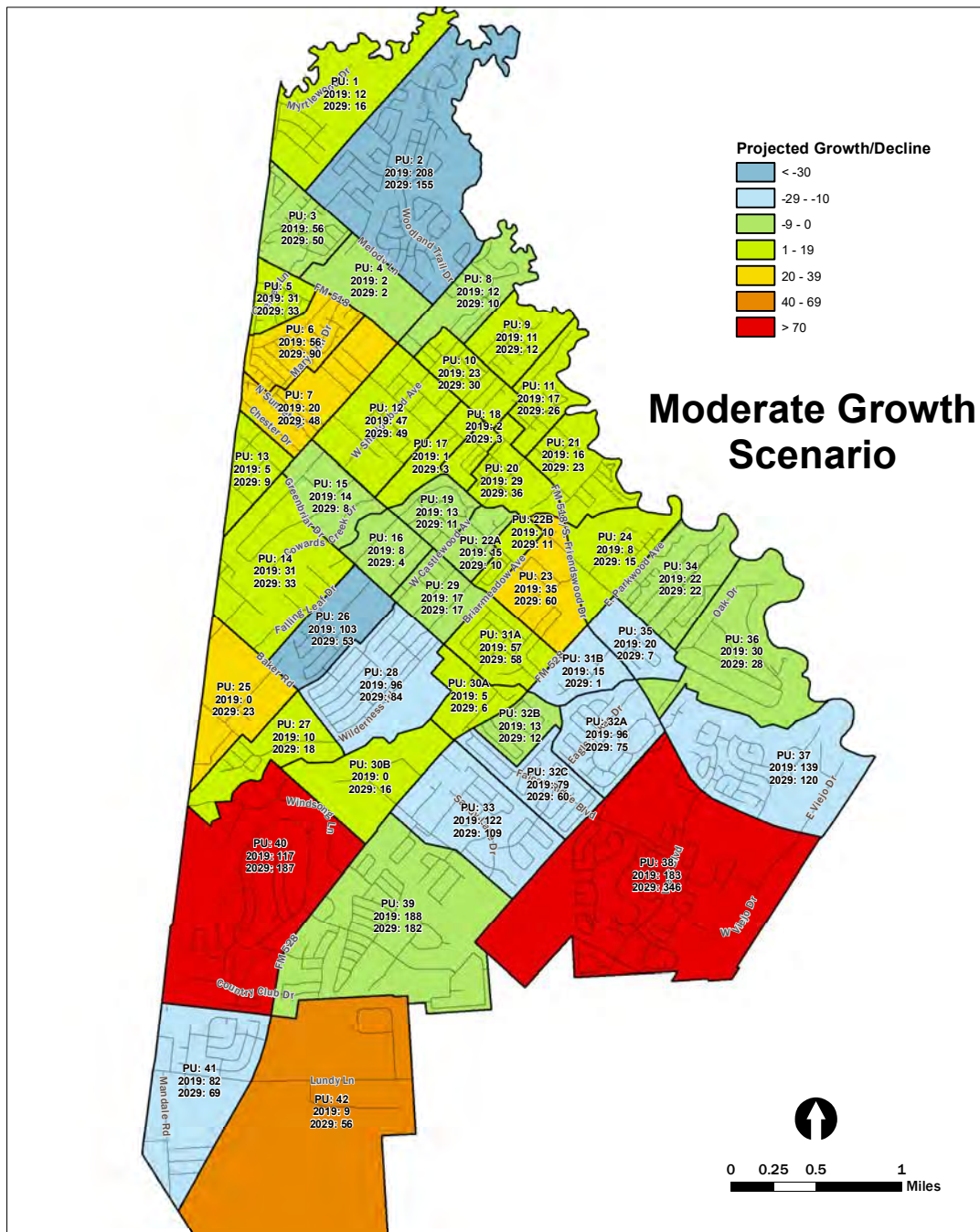


DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // ENROLLMENT PROJECTIONS

FRIENDSWOOD ISD
DEMOGRAPHICS & ENROLLMENT

Projected 9th-12th Grade Students by Planning Unit
Moderate Growth Scenario -- 2019-20 to 2029-30
Friendswood I.S.D.





DEMOGRAPHICS & CAPACITIES

FRIENDSWOOD ISD // DISTRICT DEMOGRAPHICS & ENROLLMENT

FRIENDSWOOD ISD CAMPUS CAPACITIES

Methodology for Determining Capacity

The District’s need for new or expanded facilities in the future is defined by the projected growth in enrollment, and the capacity of existing schools to house students and programs.

In conjunction with demographic and enrollment projections, the capacities of all existing instructional facilities were used as a baseline for building design as a part of this study. Capacity calculations were based on permanent built capacity only (temporary buildings were not included in the capacity numbers).

The capacity of a school is a function of both its physical size and the instructional programs it houses. As programs change over time, the capacity of each campus may also change.

Once a facility is opened and classes begin, the capacity calculation for that facility is no longer based on the original design capacity alone, but rather on its “operational capacity”, meaning how the facility is being utilized in terms of grade level groupings, educational programs, etc.

Capacities of Future Schools

Future schools will be designed with the following capacities:

- Elementary Schools: 900
- Jr. High Schools: TBD
- High Schools: TBD

Additional Notes Regarding Design Capacity:

1. Special Programs - Where special programs are being housed in a full-size classroom (i.e. GR ESL), those classrooms will be counted as a normal classrooms for capacity generating purposes.
2. Special Education - All full-size rooms being utilized for special education are counted at the District-wide average size of special education rooms.
3. All small size rooms being utilized for special education are counted at the District-wide average for small size special education rooms.



LONG-RANGE FACILITIES MASTER PLAN

4 | SAFETY ACTION PLAN





“ It is the mission of our schools to provide quality instruction for our students in a safe and secure environment. We take this responsibility seriously and continuously strive to prepare ourselves to respond to our environment. ”

FRIENDSWOOD ISD // SAFETY ACTION PLAN

Over the years, the amount of time students spend on school campuses has increased. The school day is often extended to allow for enhanced educational programming, as well as participation in extracurricular, athletic, fine arts, and other events. Therefore, school facilities are often fluttering with activity involving students, staff and visitors before the school day begins and long after school bell rings in the afternoon. Meanwhile, the health, safety and security of students and staff is of the utmost importance and the need to protect our children and our schools is more profound than ever.

In order to reduce risks and mitigate potential threats, the effective integration of security planning solutions involving multiple stakeholders, processes and technologies is key.

In June, 2018 a School Safety Advisory Committee (SSAC) was created in order to review current FUSD campus safety layers, budget and safety research/literature; consider the implementation of additional

safety measures; evaluate the current student codes and resources available; and make recommendations to the Board of Trustees and Administration. The committee was comprised of a diverse group of fifty-two (52) individuals including central office administrators; representatives from the District Safety Committee; members of the Superintendent’s Advisory; school principals and assistant principals; teachers; a school counselor; a local pastor and youth pastor; law enforcement officers; as well as parents and students.

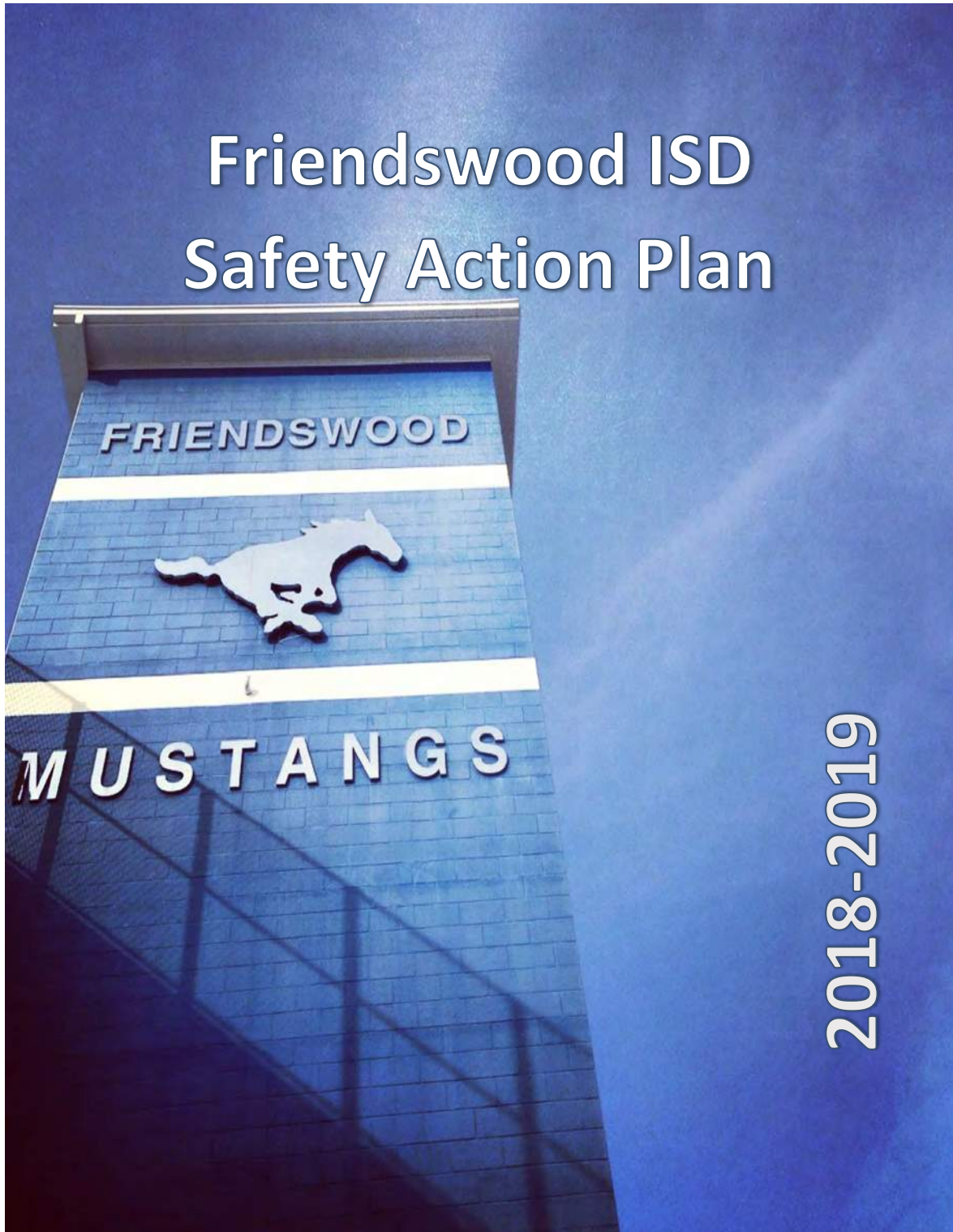
Four (4) meetings were held throughout the summer and recommendations were presented to the Board on July 16, 2018. A School Safety Action Plan was developed and adopted soon thereafter.

Safety and security measures are often reviewed as a part of the long-range facility master planning process to assist in maintaining safe and secure learning environments now and in the future. As such, the Friendswood ISD Safety Action Plan is outlined herein for reference.





FRIENDSWOOD ISD // **SAFETY ACTION PLAN**



FRIENDSWOOD ISD // **SAFETY ACTION PLAN****Message from the Superintendent**

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning

FISD is committed to school safety through physical security enhancements to FISD facilities, staff and student training, increased law enforcement, social emotional supports, policy / protocols, and various safety tools. In light of recent tragedies, the School Safety Advisory Committee was formed to further improve on the progress that district had already made making the district safer for all students and staff. The committee was comprised of parents, students, teachers, administrators, faith-based leaders, mental health professionals and members of law enforcement. The Superintendent charged this committee to consider safety measures and come to an overall recommendation. This committee will stay active throughout the 2018-19 school year to continue researching and implementing safety measures. Out of the SSAC recommendations, the District has created a layered safety action plan for the upcoming school year.

Thad J. Roher

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning 2

Updated December 2018



FRIENDSWOOD ISD // SAFETY ACTION PLAN

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The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning

Updated December 2018

FRIENDSWOOD ISD // SAFETY ACTION PLAN

School Safety Advisory Committee

Administration:

Thad Roher, Superintendent
 Diane Myers, Asst. Supt
 Connie Morgenroth, Asst. Supt
 Lynn Hobratschk, Asst. Supt
 Erich Kreiter, Exec. Dir. Safety & Ops
 Stacy Guzzetta, Exec. Dir Student Ops
 Dayna Owen, Public Info Officer
 Joel Hannemann, Exec. Dir of Safety

Principals

Mark Griffon, FHS
 Dana Drew, FJH
 Nelda Guerra, Windsong Int.
 James Patton, Bales Int.
 Kristin Moffitt, Westwood Elem
 Barry Clifford, Cline Elem

FISD Staff

Brian Mavus, FJH
 Juan Hervada, FJH
 Christina Hogue, Windsong
 Jennifer Collins, Westwood
 Carrie Gibson, Cline
 Ashley Naylor, FHS
 Cheryl Ryne, FHS
 Tiffany Natale, Bales
 Lee Whitlock, Westwood
 Chad Jones, FHS

Faith Based Leaders

Mike Cervantes
 Michael Winstead

Law Enforcement

Josh Lewis
 Justin Waggoner
 Doug Lauersdorf

Students

Skyler Postma
 Rory Sims
 Hunter Hovorka
 Greta Kehres

School Counselor

Amy Pack

Parents

Tammy Lewis	Kristi Carpenter
Nicole Pitts	Crissy Kemp
Annie Clary	Katie Odom
Ashlee Fisher	Stephanie Ploeger
Andrea Miller	Brooks Shepherd
Eileen Crues	Kourtney Stevens
April McAndrews	John Becker
Andria Niles	Lisa Slater
Lauren Durso	Jason Byers
Melanie Miller	

*The Friendswood Independent School District will provide a safe and
 nurturing environment conducive to learning*

Updated December 2018



FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 1: Law Enforcement & Security Personnel

Current:

- FPD school resource officers at FHS and FJH
- Regular table-top exercises with FPD
- Monthly City-School meetings
- Active Shooter Response/K9 drills and trainings on FISD campuses
- Communication Systems - 2 way radios
- Additional roving officer for Elementary and Intermediate - Increased presence on campuses - Duty officers
- School security monitors (6) - FHS (2), FJH (1), Windsong (1), Cline (1), WW/Bales (1)
- Additional SRO at FHS
- Campus large event security enhancement

Action Steps for 2018:

Action Steps for 2019:

Areas to Explore:

- School Marshal Program coordinated with FPD
- Additional law enforcement/security presence
- Volunteer security (unarmed) programs

Estimated Cost = \$338,000

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning

FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 2: Physical Security - Facilities

Current:

- Security Vestibules
- IDS - Intrusion Detection Systems
- Surveillance Camera systems
- Electronic Door Entry systems
- Perimeter Security - fencing, signage, etc
- Alert devices - panic buttons
- Intercom/phone system communication
- Two Way Radios
- 911 Systems
- GroupMe text alerts
- Limit number of access points at secondary level - during school day and outside of school day
- FHS rear entrance will be staffed during school hours
- Renovate existing security vestibules at FJH, Cline, Windsong, and Bales
- Remove door hardware from doors not used as a physical entrance
- Update Signage
- Evaluate current electronic door locking reader locations and access- Request for Proposal initiated
- Evaluate current surveillance camera coverage - Request for Proposal initiated
- Evaluate fencing and perimeter upgrades
- Initial security enhancements and safety protocols for student areas of annex, natatorium, Ag. Barn
- Hardwire and update existing electronic locking systems at all campuses - Request for Proposal initiated
- Expanded surveillance camera coverage - Request for Proposal initiated
- Additional security vestibule upgrades - FHS and Westwood

Action Steps for 2018:

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Updated December 2018



FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 2 Continued

Action Steps for 2019:

- ❖ Fencing and perimeter security upgrades
- ❖ Physical security enhancements and safety protocols for student areas of annex, natatorium, Ag. Barn

Areas to Explore:

- PBK Safety Plans
- Additional layers to harden exterior areas - bollards, window film, door contacts
- Rekey all exterior doors
- Emergency interior door universal locking tool

Estimated Cost = \$394,185

FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 3: Social Emotional Supports

Current:

- TIER I - Three support levels at each campus/district (See Appendix A)
- Counselors at each campus
- Licensed specialist in School Psychology (LSSP) support
- Social Emotional Learning committee
- Character Education
- Anonymous Bullying Reporting
- Anti-Bullying policies - procedures
- Crisis/Student Support Counselor at FHS
- Administrative Assistant for JH Counseling staff to provide additional time for student interaction
- Utilization of outside resources and professionals to provide support for students at Tier II and III
- Create a threat assessment team on each campus to identify and create action plans for students that are a possible threat to themselves and others based on a threat assessment matrix
- Threat Assessment Team Leaders completed Threat Assessment Team training
- Campus SEL Programs (Mustang Impact, Morning Meetings, etc.)

Action Steps for 2018:

Ongoing Action Steps:

- ❖ Provide crisis training for counselors
- ❖ Provide crisis resources for counselors
- ❖ Actions to create more uniform and comprehensive programming for all students at Tier I - especially at secondary level
- ❖ Identify students who are not participants in activities and explore avenues to get them involved in extracurricular, clubs, etc.
- ❖ Provide grade level specific SEL professional development support for school counselors
- ❖ Engage and educate parents and community in partnerships to provide SEL support to families (mental health, faith-based activities, mentoring programs, after school clubs, in-home training, etc.)
- ❖ Provide ongoing SEL/Mental Health training for all faculty and staff

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning

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FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 3 Continued

Areas to Explore:

- Increased counselor support for larger elementary schools
- Partnerships with Community advocacy groups focused on providing support to parents

Estimated Cost = \$ 148,500

FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 4: Safety Policy & Protocols

Current Levels:

- Emergency Operations Plan - NIMS compliant
- Security Audits per TEA requirements
- Regular safety and security drills
- Employee/Substitute background checks
- Student Code of Conduct/Handbooks
- Employee Handbook
- Anonymous reporting
- Uniform and visible ID's for all Staff
- Uniform and visible picture ID's for all substitutes
- Addition to Student Code of Conduct addressing failure to comply with safety measures as punishable offense
- Communicate Standard Response Protocols with all students, staff, community: hold, lockdown, shelter in place, evacuate, protect mode
- Capture student cell phone numbers in grades 6-12 during registration for safety communication
- All elementary/intermediate campus lunch visitation procedures will require separation of parents from general student population
- Staff Safety Manuals
- Emergency Management Procedures Handbook
- Review large event (athletic/extracurricular, PTO activities, campus special events) security protocols and procedures - reviewed and add when needed
- Mandatory background checks for all volunteers

Action Steps for 2018:

Ongoing Action Steps:

- ❖ Conduct safety audits on annual basis rather than 3 year requirements

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning

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FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 4 Continued

Areas to Explore:

- Establishing a random search protocol for Jr. High and High School students utilizing metal detecting wands and bag searches.
- Explore further limitation of lunch visitation for elementary/intermediate parents

Estimated Costs = \$6500

FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 5: Training and Drills

Current Levels:

- Volunteer Training
- Staff and Student Training
- New Substitute Training
- Table Top drills with FPD
- Mandatory staff training for all employees
- Mandatory substitute training
- Threat assessment team training
- Mental health/SEL training for all employees

Action Steps for 2018:

- Receptionist/Front office training - August - December

Ongoing Action Steps:

- ❖ Mandatory safety drills at all campuses

Areas to Explore

- Further training and professional development for all staff
- Additional joint exercises with the City of Friendswood Office of Emergency Management and FPD

Estimated Cost = \$2,500

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning

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FRIENDSWOOD ISD // SAFETY ACTION PLAN

Layer 6: Safety Tools

Current Levels:

- Raptor
- See Something, Say Something
- Radios - Channel 7
- Anonymous Bullying Reporting
- Social Media Monitoring
- School Guard App - Staff panic button on smartphones
- Stop the Bleed program training and kits
- See Something, Say Something promotion
- Additional radios

Action Steps for 2018:

Estimated Costs = \$26,128

FRIENDSWOOD ISD // **SAFETY ACTION PLAN****Additional Action Steps**

- Continuation of School Safety Advisory Committee through 2018-2019
- Increased membership on District Safety Committee: 2 School Board members, FPD Leadership, students, teachers
- Student Safety Advisory Committee
- Further evaluate current layers and additional added layers to measure their effectiveness and make necessary changes as needed
- Stay abreast of emerging tools, technology, and training to further enhance our ability to ensure a safe and nurturing learning environment

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning 14

Updated December 2018



FRIENDSWOOD ISD // SAFETY ACTION PLAN

Appendix A

Friendswood ISD SEL Practices:

Tier I - Universal Practices *(Practices all students are exposed to)*

Respect/Bullying presentations	Hometown Heroes	Affirmations/bucket filler of the week
Cyberbullying presentations	Character Crew	Counselor Cafe
Internet Safety presentations	Words of Wisdom	Counseling services
Character presentations	Beginning of the year discipline meetings	Morning meetings
Red Ribbon activities	Character Counts recognitions	Teacher twenty- selected literature, acceptance of differences and manners
National Character Counts week activities	RAD Kids	Character "commitment" rock
DARE lessons	Kelso's choices - conflict resolution	Buddy bench
Service learning	Clubs/sports/opportunities to be involved	Peace Garden/Nature Center
Attitude of Gratitude motivational productions	Social contracts	Positive phone calls to students/parents
Compliment Club	Check ins - good things	
No-Tease Zones	Celebrations at Board meetings	
Manner of the Week		

Tier 2 - Selected Practices *(Practices provided to students of need)*

LINK - Let's Include New Kids	CARE Team	SRO as a mentor - find those who are people who like to connect - revisit the job description
Peer Assistance and Leadership (PALS)	Morning/Afternoon Class meetings	DARE officers as a resource
Character Trait recognitions	Calm down corners	Community relations - recruit and promote partnerships
Small group counseling	Conflict resolution labyrinth	Let our teachers know they can create new groups
Valentine's Day cards project	Assemblies	Positive Behavior Support - BIP
Weekly Advisory	Explore inviting youth pastors to come hang out at lunch	
Character Lessons	Truancy prevention - more unique methods	
Grade level lessons	Find kids "something" to belong to and be able to contribute	
Shattered Dreams program		
TEEN Leadership classes		
Kids Hope Mentors		

The Friendswood Independent School District will provide a safe and nurturing environment conducive to learning

FRIENDSWOOD ISD // **SAFETY ACTION PLAN****Appendix A - Continued****Tier 3 - Indicated Practices** *(practices provided to high-need students)*

Counselors and AP's working with individual students on behavior choices
Individual counseling
Peace Garden
Visiting students at DAEP

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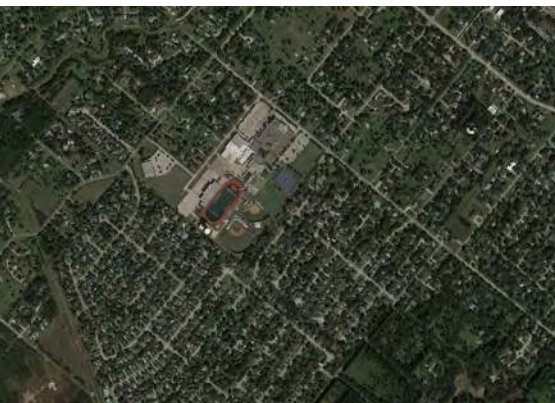


LONG-RANGE FACILITIES MASTER PLAN

5 | NEW SCHOOLS & MAJOR PROJECTS



5 NEW SCHOOLS & MAJOR PROJECTS





NEW SCHOOLS & MAJOR PROJECTS

Based on the District's Demographic Update Report prepared by Population Survey Analysts (PASA) dated September, 2019 as well as the results of the 2018 Facility Condition Assessment, it is evident that various levels of facility upgrades and additions will likely be needed at multiple Friendswood ISD campuses and administrative support facilities in the near future.

Proposed facility improvements include options for Classroom Additions at Bales Intermediate, Windsong Intermediate, and Westwood Elementary, as well as Major Renovations and a New Gymnasium at Cline Elementary School.

Other possible Major Projects include additions and renovations for Friendswood High School that would encompass a New Auditorium, Competition Gymnasium and Renovations for Career & Technology Education (CTE); in addition to proposed

renovations and MEP upgrades at the Administrative Annex.

Based on demographic studies and updated student enrollment projections, an option for construction of a new Cline Elementary School has also been provided for District consideration as well.

These identified projects will help enable the District to continue to provide progressive programs, facilities, and amenities that will engage students and staff, evoke pride within the community, and provide Friendswood ISD students with an abundance of opportunities for years to come.

Documentation included herein regarding proposed new facilities, major projects and assessment costs identified to date are considered "cost studies" only for assessment and master planning purposes. Scope and costs should continue to be evaluated in the future.





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NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES

TABLE OF NEW SCHOOLS AND MAJOR PROJECTS

Friendswood High School - Renovations and Additions.....	5.5
Bales Intermediate School - Four (4) Classroom Addition.....	5.8
Windsong Intermediate School - Six (6) Classroom Addition.....	5.10
Cline Elementary School - Major Renovation & Gym.....	5.12
New Cline Primary School - West Ranch Site.....	5.14
Westwood Elementary School - Four (4) Classroom Addition.....	5.16
Admin Annex Option 1 - Major Renovation & MEPT Upgrades.....	5.18
Admin Annex Option 2 - MEPT Upgrades.....	5.19
New Transportation Center.....	5.21
New Ag Barn.....	5.22



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NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES

**Friendswood**

Independent School District

Friendswood High School Renovations and Additions
(CTE, Fine Arts and Gymnasium Renovations and Additions)
 Project Cost Worksheet

Total Construction Cost		\$38,469,597
Construction Non-Contract Cost:	8.0%	\$3,077,568
Furniture & Equipment:	3.0%	\$1,154,088
Technology:	2.5%	\$961,740
A & E Fee:	6.0%	\$2,308,176
Total Project Cost 2019 Dollars		\$45,971,169
Total Project Cost 2020 Dollars	Estimated Inflation 8%	\$49,648,862

The following items are included in the estimated Project Cost:

• New Fine Arts addition to be located at existing tennis courts. <i>Includes drama classroom, black box classroom, new <u>900 seat</u> auditorium with fly loft, set shop, and support spaces.</i>	\$14,280,000
• Renovation of existing Auditorium <i>Reconfigure space to accommodate various programs such as Band, Choir and/or CTE programs. This item assumes that existing Fine Arts Wing will be repurposed for CTE programs.</i>	\$2,080,000
• Renovation of existing Fine Arts Wing <i>Reconfigure existing Fine Arts Wing to accommodate various CTE programs. This item is connected to Auditorium renovation above.</i>	\$1,430,000
• Renovation of existing CTE spaces.	\$1,200,000
• New Competition Gymnasium and Support Spaces <i>Includes new competition gym with 1,200 seats, 2-bball cross courts, 3-vball cross courts, coaches office, trainers room, basketball locker rooms, laundry and storage.</i>	\$9,450,000
• Renovation of existing Basketball Locker Rooms to remain Locker Rooms.	\$294,000



NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood

Independent School District

Friendswood High School Renovations and Additions (CTE, Fine Arts and Gymnasium Renovations and Additions) Project Cost Worksheet

• New locker room addition to allow existing gym to remain with two full size cross-courts. No work at existing main gym.	\$1,860,000
• New Student and Event Parking Lot at existing Practice Field	\$468,000
• New covered walkways connecting the new Fine Arts addition to the existing school and to the new Gym Addition	\$502,500
• Reconfigure practice field with natural grass and irrigation.	\$900,000
• Storm and underground utilities.	\$1,250,000
• Rebuild and relocate (8) tennis courts near existing location.	\$960,000
• New detention pond on Falling Leaf property.	\$1,000,000
• Premium for phased construction, phased demo of parking and athletic fields and other site phasing issues.	\$1,783,725
• Design and estimating contingency.	\$1,011,372

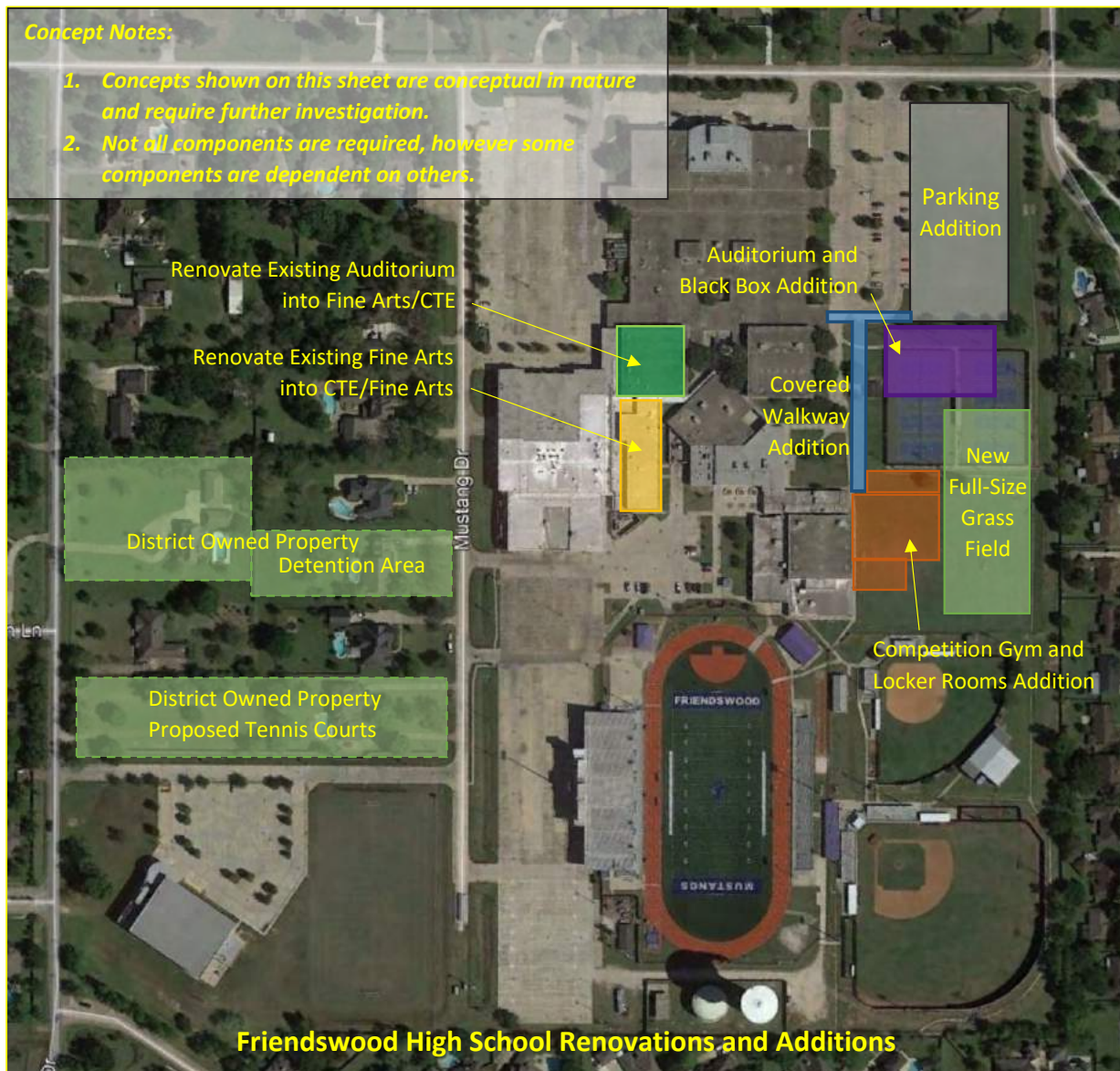
Possible add-on item and NOT included in total cost above

• Add for Wrestling Mat Room for two Mats (<i>includes soft cost</i>)	\$1,173,000
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1. Costs shown are estimated cost for Jan 2019.
2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.
3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES





NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood

Independent School District

Bales Intermediate Addition and Site Work 4 Classroom Addition Project Cost Worksheet

Total Construction Cost			\$1,598,012
<i>Construction Non-Contract Cost:</i>	8.0%		\$127,841
<i>Furniture & Equipment:</i>	4.0%		\$63,920
<i>Technology:</i>	4.0%		\$63,920
<i>A & E Fee:</i>	6.0%		\$95,881
Total Project Cost 2019 Dollars			\$1,949,575
Total Project Cost 2020 Dollars	<i>Estimated Inflation</i>	8%	\$2,105,541
Total Project Cost 2021 Dollars	<i>Estimated Inflation</i>	8%	\$2,273,984

The following items are included in the estimated Project Cost:

• One pod classroom addition to the campus. 4 classrooms, storage, mechanical and circulation.	\$1,302,480
• Additional Concrete Parking	\$40,000
• Detention expansion	\$120,000
• Premium for small project addition	\$65,124
• Premium for building tie-in items	\$39,074
• Design and estimating contingency.	\$31,334

1. Costs shown are estimated cost for Jan 2019.
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3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES





NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood
Independent School District

Windsong Intermediate Addition and Site Work 6 Classroom Addition Project Cost Worksheet

Total Construction Cost		\$3,062,556
Construction Non-Contract Cost:	8.0%	\$245,004
Furniture & Equipment:	4.0%	\$122,502
Technology:	4.0%	\$122,502
A & E Fee:	6.0%	\$183,753
Total Project Cost 2019 Dollars		\$3,736,318
Total Project Cost 2020 Dollars	Estimated Inflation 8%	\$4,035,223
Total Project Cost 2021 Dollars	Estimated Inflation 8%	\$4,358,041

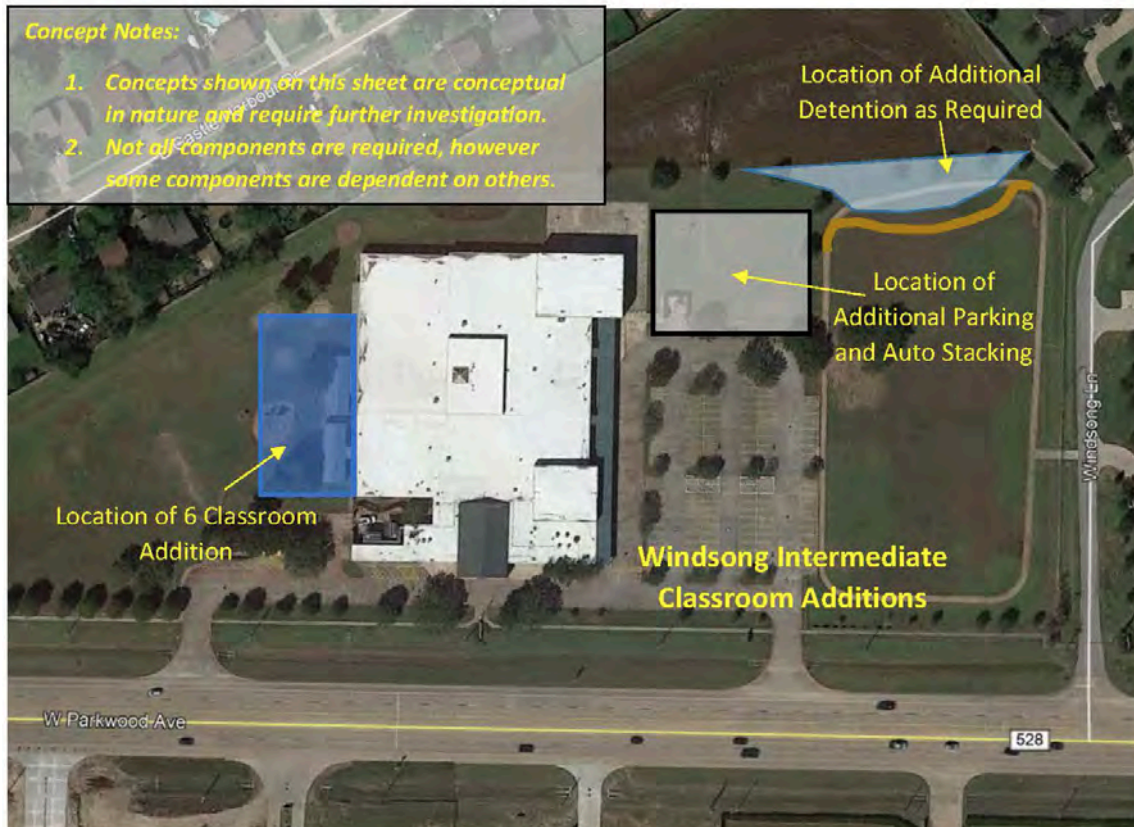
The following items are included in the estimated Project Cost:

• One pod classroom addition to the campus. 6 general classrooms, storage, mechanical and circulation.	\$1,953,720
• Extension of parent stacking on site.	\$360,000
• Additional Concrete Parking	\$480,000
• Detention expansion	\$52,488
• Premium for small project addition	\$97,686
• Premium for building tie-in items	\$58,612
• Design and estimating contingency.	\$60,050

1. Costs shown are estimated cost for Jan 2019.
2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.
3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES





NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood
Independent School District

Existing Cline ES Major Renovation and New Gym Project Cost Worksheet

Total Construction Cost		\$20,073,375
Construction Non-Contract Cost:	8.0%	\$1,605,870
Furniture & Equipment:	4.0%	\$802,935
Technology:	4.0%	\$802,935
A & E Fee:	6.0%	\$1,204,403
Total Project Cost 2019 Dollars	<i>Estimated Inflation</i> 8%	\$26,448,679
Total Project Cost 2020 Dollars	8%	\$28,564,573
Total Project Cost 2021 Dollars	7%	\$30,564,093

The following items are included in the estimated Project Cost:

• Major renovation of existing Cline Campus.	\$13,545,000
• Demo existing Gym and build new.	\$3,195,000
• Reconfigure various spaces to meet current program needs.	\$1,625,000
• Student and Staff Restroom additions to accommodate new plumbing codes.	\$212,500
• Replace concrete parking surfaces and site lighting as needed <i>(does not include additional parking or reconfiguration of driveways or add of detention)</i>	\$540,000
• Design and estimating contingency.	\$955,875

1. Costs shown are estimated cost for Jan 2019.
2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.
3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES





NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood

Independent School District

New Cline Primary School on West Ranch Site

Project Cost Worksheet

Total Construction Cost		\$29,522,460
Construction Non-Contract Cost:	6.5%	\$1,918,960
Furniture & Equipment:	4.0%	\$1,180,898
Technology:	4.0%	\$1,180,898
A & E Fee:	6.0%	\$1,771,348
Total Project Cost 2019 Dollars	<i>Estimated Inflation</i> 8%	\$38,420,529
Total Project Cost 2020 Dollars	8%	\$41,494,172
Total Project Cost 2021 Dollars	7%	\$44,398,764

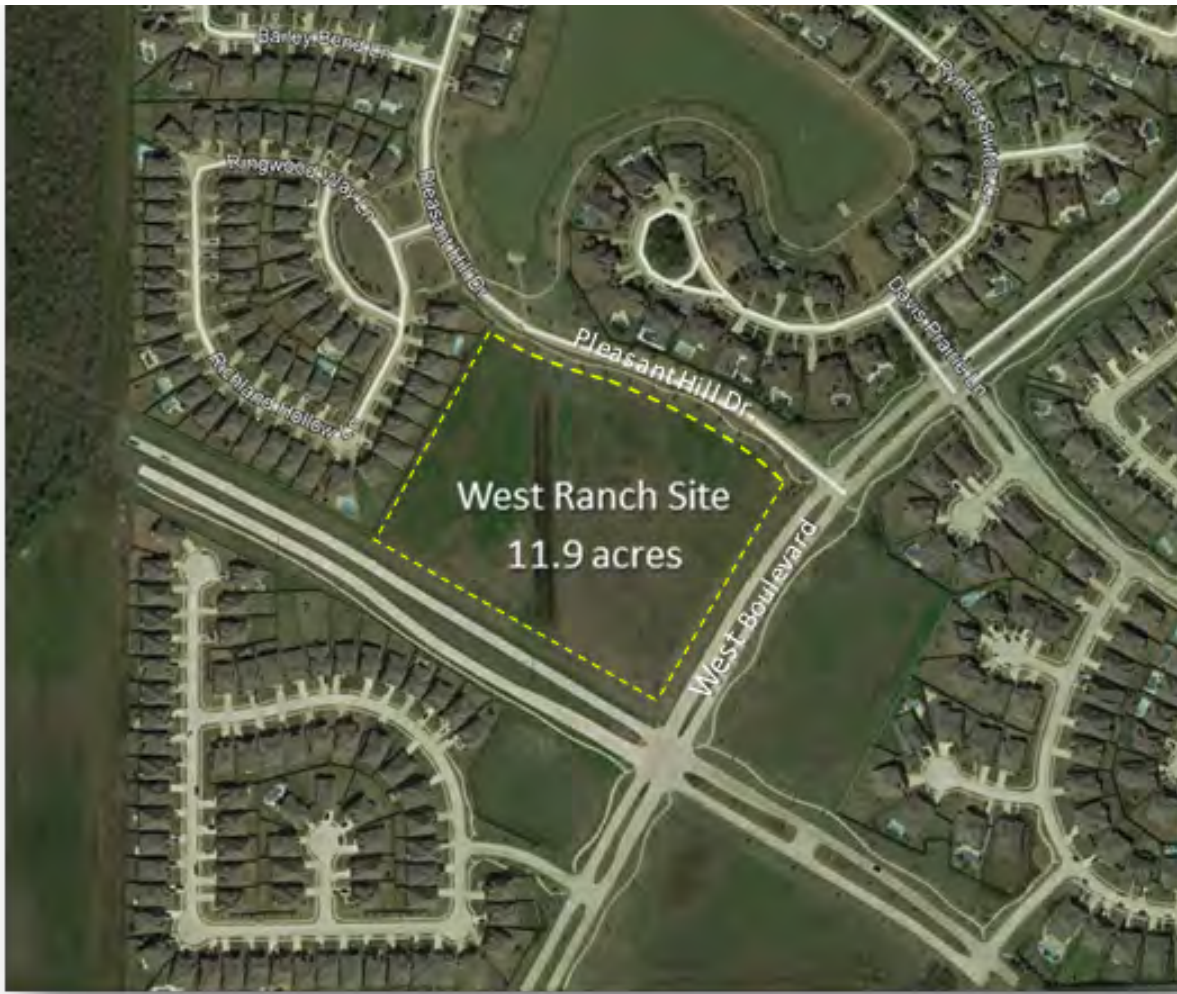
The following items are included in the estimated Project Cost:

- Rebuild of new 900 student campus on the 11.92 acre site in West Ranch. \$28,080,000
New elementary to accommodate 900 students (based on projected growth per the recent PASA report and September 2018 updates).
- Demolition of existing Cline buildings. Includes Abatement \$722,400
- Design and estimating contingency. \$720,060

1. Costs shown are estimated cost for Jan 2019.
 2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.
 3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES





NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood
Independent School District

Westwood Elementary Addition and Site Work 4 Classroom Addition Project Cost Worksheet

Total Construction Cost		\$2,021,481
Construction Non-Contract Cost:	8.0%	\$161,718
Furniture & Equipment:	4.0%	\$80,859
Technology:	4.0%	\$80,859
A & E Fee:	6.0%	\$121,289
Total Project Cost 2019 Dollars		\$2,466,207
Total Project Cost 2020 Dollars	Estimated Inflation 8%	\$2,663,503
Total Project Cost 2021 Dollars	Estimated Inflation 8%	\$2,876,583

The following items are included in the estimated Project Cost:

• One pod classroom addition to the campus. 4 classrooms, support spaces, storage, 2 restrooms within classrooms, mechanical and circulation.		\$1,686,893
• Additional Concrete Parking		\$40,000
• Detention expansion		\$120,000
• Premium for small project addition		\$84,345
• Premium for building tie-in items		\$50,607
• Design and estimating contingency.		\$39,637

1. Costs shown are estimated cost for Jan 2019.
2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.
3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES





NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood
Independent School District

Administration Annex - Opt 1 Major Renovation and MEPT Upgrades Project Cost Worksheet

Total Construction Cost		\$7,938,904
Construction Non-Contract Cost :	8.0%	\$635,112
Furniture & Equipment:	4.0%	\$317,556
Technology:	4.0%	\$317,556
A & E Fee :	6.0%	\$476,334
Total Project Cost 2019 Dollars		\$9,685,463
Total Project Cost 2020 Dollars	Estimated Inflation 8%	\$10,460,300

The following items are included in the estimated Project Cost:

• Demolition of existing gymnasium, and cheer building, and removal of portables.	\$470,056
• Renovation of the main existing administration annex into a consolidated FISD administration building.	\$4,501,200
• Extend parking paving to Woodlawn.	\$541,200
• Existing paving and parking improvements.	\$780,000
• MEPT system upgrade.	\$1,500,000
• Design and estimating contingency.	\$146,448

1. Costs shown are estimated cost for Jan 2019.
2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.
3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood

Independent School District

Administration Annex - Opt 2

MEPT Upgrades

Project Cost Worksheet

Total Construction Cost			\$5,322,825
Construction Non-Contract Cost :	8.0%		\$425,826
Furniture & Equipment:	4.0%		\$212,913
Technology:	4.0%		\$212,913
A & E Fee:	6.0%		\$319,370
Total Project Cost 2019 Dollars			\$6,493,847
Total Project Cost 2020 Dollars	Estimated Inflation	8%	\$7,013,354

The following items are included in the estimated Project Cost:

• Demolition of existing gymnasium, and cheer building, and removal of portables.		\$470,056
• Renovation of the existing ceiling and restrooms of the main administration annex in accordance with MEPT system upgrades.		\$818,400
• Repair existing paving as needed.		\$130,000
• MEPT system upgrade.		\$3,800,000
• Design and estimating contingency.		\$104,369

1. Costs shown are estimated cost for Jan 2019.

2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.

3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.



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NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES

**Friendswood**

Independent School District

New Transportation Center Project Cost Worksheet

Total Construction Cost		\$11,531,100
<i>Construction Non-Contract Cost:</i>	6.0%	\$691,866
<i>Furniture & Equipment:</i>	3.0%	\$345,933
<i>Technology:</i>	3.0%	\$345,933
<i>A & E Fee :</i>	6.0%	\$691,866
Total Project Cost 2019 Dollars		\$13,606,698
Total Project Cost 2020 Dollars	<i>Estimated Inflation</i> 8%	\$14,695,234

The following items are included in the estimated Project Cost:

• New Transportation Center <i>Transportation offices, support spaces and bus maintenance bays.</i>	\$5,700,000
• Maintenance Building, office, storage and breakroom	\$1,012,500
• Renovation of existing transportation center building	\$1,020,000
• <u>175</u> Parking Spaces and Site Infrastructure	\$787,500
• Uncovered Single Stacked Parking for <u>60</u> Busses, lighting and Site Infrastructure included	\$1,500,000
• Bus Wash	\$185,000
• Fueling Station	\$1,100,000
• Design and Estimating Contingency	\$226,100

1. Costs shown are estimated cost for Jan 2019.

2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.

3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.



NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES



Friendswood
Independent School District
New Agriculture Barn
Project Cost Worksheet

Total Construction Cost		\$2,703,750
Construction Non-Contract Cost:	8.0%	\$216,300
Furniture & Equipment:	4.0%	\$108,150
Technology:	4.0%	\$108,150
A & E Fee:	6.0%	\$162,225
Total Project Cost 2019 Dollars		\$3,298,575
Total Project Cost 2020 Dollars	<i>Estimated Inflation</i>	8% \$3,562,461

The following items are included in the estimated Project Cost:

- New Ag Barn adjacent to existing Ag Barn. \$2,625,000
Includes pens, wash area, grooming area, restrooms and lockers, small office w/ ac unit, large fans and spot heaters, parking, typically drainage and open detention, pasture fencing.
- Design and Estimating Contingency \$78,750

1. Costs shown are estimated cost for Jan 2019.
 2. FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects.
 3. Cost shown excludes property purchases and unknown site infrastructure not typical to a typical green field site.

NEW SCHOOLS & MAJOR PROJECTS

FRIENDSWOOD ISD // COST STUDIES





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LONG-RANGE FACILITIES MASTER PLAN

6 | FACILITY CONDITION ASSESSMENT





FACILITY CONDITION ASSESSMENT INTRODUCTION



In the spring of 2018, Friendswood Independent School District (FISD) initiated a comprehensive facilities needs assessment to assist in the development of a Long-Range Facilities Master Plan (LRFMP) to guide facility planning and future capital investments.

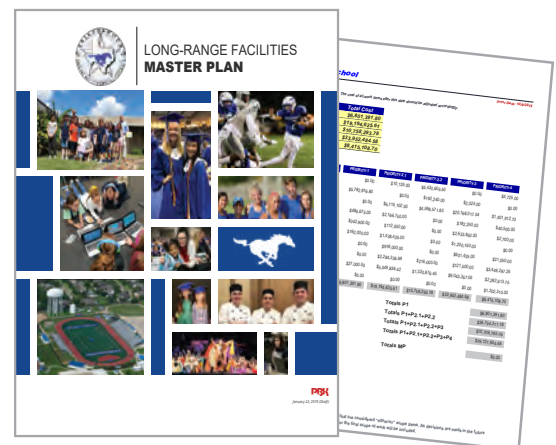
Facility Assessments are essential to the long-term stewardship of facility assets because the information obtained during the assessment process is utilized to maximize the functionality, value and useful life of Friendswood ISD educational and support facilities.

In addition, facility assessments are also a core component of the long-range facility master planning process because assessment results are leveraged to evaluate both the adequacy and equity of existing facilities; determine future program feasibility; identify imminent facility needs; inform decisions regarding facility reinvestment and/or replacement; and to develop and refine budgets and capital improvement plans.

The “Friendswood Independent School District Long-Range Facilities Master Plan Facilities Assessment Report” drafted by PBK in collaboration with and on behalf of FISD, provides a summary of the assessment process, findings and recommendations.

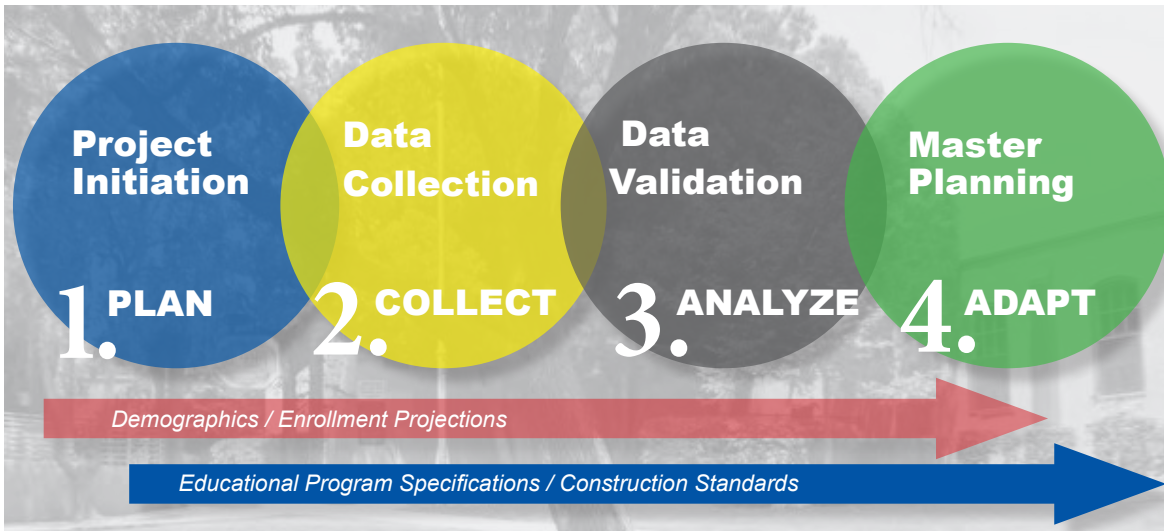
DEFINITION

A facility condition assessment is a comprehensive, systematic evaluation of existing conditions for a facility or group of facilities. It involves a thorough, visual examination of the interior and exterior of each designated campus or site (beginning with a site-by-site, building-by-building, room-by-room, physical walk-through) in order to assess current-state conditions and anticipated remaining useful life of those buildings, systems and component systems.





FACILITY CONDITION ASSESSMENT THE ASSESSMENT PROCESS



During the initial planning and collection phases of the process, the team reviewed all of the documentation provided by the District, including:

- detailed list of facilities;
- construction history and modernization efforts to date;
- site plans and floor plans;
- maps;
- demographic and student enrollment data (historical, current and projected);
- existing space use and utilization;
- educational and ancillary programs priorities (current and future); and
- educational specifications.

A Facility Stakeholder Questionnaire was distributed to campus principals and others in order gather direct feedback regarding the condition, adequacy and utilization of school facilities from the end users perspective.


The screenshot shows a questionnaire form titled '2018 FACILITY CONDITION ASSESSMENT Facility Stakeholder Questionnaire'. The section is 'SECTION 1: SAFETY & SECURITY'. It contains four questions:

- Does the facility have an adequate PA system in working order? (YES, NO, NA) - Includes a text box for more insight regarding PA system issues.
- Does the facility have an intercom phone system at the main entry? (YES, NO, NA)
- If the facility has an intercom phone system, does it function adequately? (YES, NO, NA) - Includes a text box for more insight regarding any issues with the intercom phone system.
- Is the facility equipped with room signs and way-finding signage throughout? (YES, NO, NA) - Includes a text box for more detail regarding room graphics/signage needs.

Project schedules, an assessment code index, aerial images, etc. were also prepared by the team.


FACILITY CONDITION ASSESSMENT

THE ASSESSMENT PROCESS



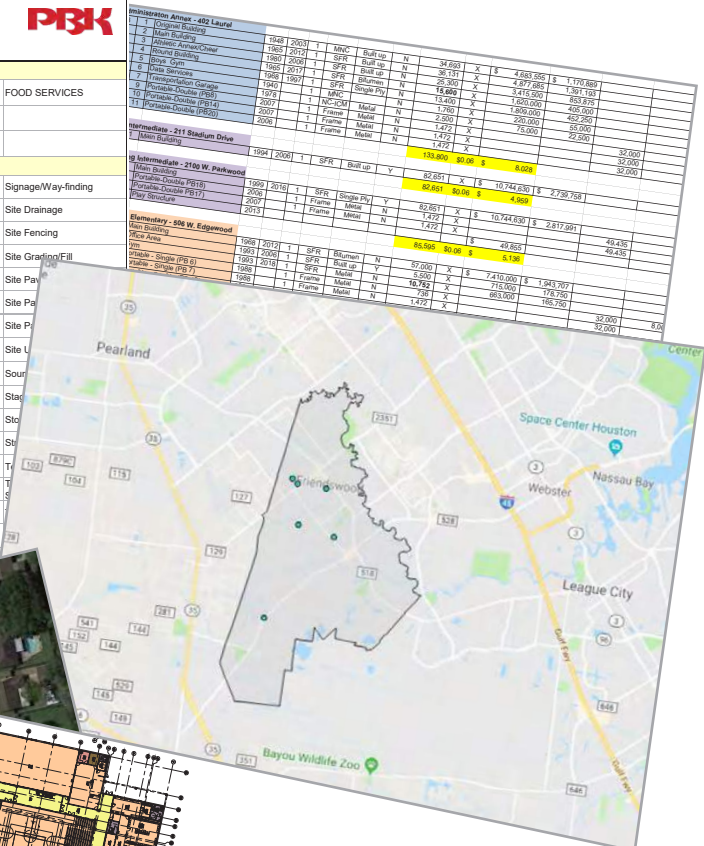
2018 Facility Condition Assessment


Friendswood Independent School District



CODE INDEX							
DISCIPLINE							
C	CIVIL	M	MECHANICAL	T	TECHNOLOGY	FS	FOOD SERVICES
B	BUILDING ENVELOPE	E	ELECTRICAL	LSS	LIFE SAFETY & SECURITY		
A	ARCHITECTURE	P	PLUMBING	SP	ATHLETICS / ACTIVITIES		

CLASSIFICATION CODE							
ACO	Acoustical Treatment	ELGR	Electrical Gear	OTH	Other	SGN	Signage/Way-finding
AC	Athletic Courts	ELE	Electrical - General/Misc.	PTG	Painting	SD	Site Drainage
AEQ	Athletic Equipment	EG	Emergency Generator	PGE	Playgrounds/Equipment	SF	Site Fencing
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BLC	Bleachers	FNT	Furniture	PLGT	Plumbing - Grease Trap	SU	Site U
ADD	Building Addition	HDW	Hardware	PLSS	Plumbing - Sanitary Sewer	SR	Stair
BGRP	Building Graphics	HVAC	Heat, Vent & Air	PLWC	Plumbing - Water Closet	STGC	Stair
CNPY	Canopy/Covered Walkway	INT	Interior Finishes	PLWH	Plumbing - Water Heater	STO	Stoc
CWK	Casework	IRR	Irrigation	PA	Public Address	STR	Str
CLG	Ceiling	LND	Landscaping	RL	Railing (guard rails, handrails, etc.)	TECH	T
CLK	Clock	LS	Life Safety	RMP	Ramps	TECHSI	T
COMM	Communication Systems/Eqpt.	LTG-I	Lighting - Interior	REN	Renovation	TA	TA
CS	Control Systems	LTG-E	Lighting - Exterior	RFM	Roof Maintenance	TP	TP
CT	Cooling Tower	LTG-S	Lighting - Sports	RFR	Roof Replacement	WRF	WRF
CUST	Custodial Services	LOC	Lockers	SEC	Security		
DC	Display Cases	MBTB	Marker Boards/Tack Boards				
DR	Doors	MECH	Mechanical				
ED	Electrical Distribution						
EDF	Electrical Distribution						





Project Phase/Tasks	15-Feb-2019	22-Feb-2019	4-Mar-2019	11-Mar-2019	18-Mar-2019
Kick-off Meeting (w/ Principals & Department Heads)		S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
District-wide Initial Data Collection	District-wide Initial Data Collection				
FISD Survey Announcement w/ Link to Online Survey	FISD Survey Announcement w/ Link to Online Survey				
Survey Response Data Collection	Survey Response Data Collection				
FISD Spring Break	FISD Spring Break				
Principal Interviews	Principal Interviews				
Facility Assessment Site Walks	Facility Assessment Site Walks				
Westwood Elementary	█	█	█	█	█
Cline Primary	█	█	█	█	█
Friendswood Jr. High	█	█	█	█	█
Windosong Intermediate	█	█	█	█	█
Friendswood High School	█	█	█	█	█
Natorium	█	█	█	█	█
Administration Building	█	█	█	█	█
Administration Annex	█	█	█	█	█
Support Services	█	█	█	█	█
Ag Barn	█	█	█	█	█
Site Walk Data Entry & Pricing	Site Walk Data Entry & Pricing				
Assessment Line Item Review Meetings	Assessment Line Item Review Meetings				
Focus Group Meetings 1	Focus Group Meetings 1				
Focus Group Meetings 2	Focus Group Meetings 2				
FISD Holiday (Good Friday)	FISD Holiday (Good Friday)				
Prepare Draft of Long-Range Master Plans	Prepare Draft of Long-Range Master Plans				
Review and Finalize Draft Long-Range Master Plan	Review and Finalize Draft Long-Range Master Plan				
FISD Professional Development	FISD Professional Development				
Draft Long-Range Master Plan Delivered to FISD	Draft Long-Range Master Plan Delivered to FISD				



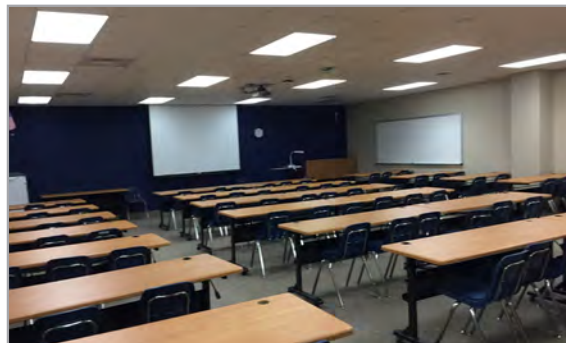
FACILITY CONDITION ASSESSMENT

THE ASSESSMENT PROCESS

The facility assessments were conducted by a multidisciplinary team of architects, engineers and various consultants. The physical site walks encompassed a building-by-building, room-by-room, system-by-system visual examination of existing conditions of building interiors as well as the major systems and components of each

Areas of focus included:

- Classroom Facilities: classrooms, laboratory and related spaces
- Academic Support Spaces: libraries, media centers, study halls, common areas and collaboration spaces
- Miscellaneous Support Facilities: kitchens and/or cafeterias, auditoriums, restrooms
- Administrative Areas: offices, reception areas, work rooms, mail/copy rooms, student service facilities
- Professional Offices / Staff Support: offices, break rooms, restrooms, work rooms
- Building Operations & Maintenance: mechanical rooms, electrical rooms, plumbing systems, data/telecommunications rooms, janitorial/building maintenance areas, offices, work areas and associates spaces





FACILITY CONDITION ASSESSMENT

THE ASSESSMENT PROCESS

Each consultant entered their site walk data directly into the assessment database via computer and/or mobile device. All line items entered included a description of the recommended scope of work, assigned codes for Discipline, Classification, Priority and Source, along with associated cost estimates.

Friendswood ISD
Leading to Academic Excellence

(1) FISD_Data Import Sheet

Parent Row:

ARCH / ENG:

Facility:

Item Description:

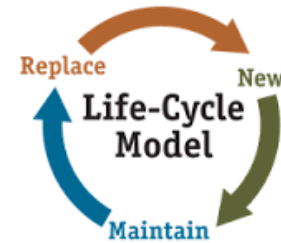
Comments:

Photo Ref.:

Discipline:

Classification:

Department:



VALUED INSIGHT

Preventative Maintenance (“Keep-Up Costs”): Tasks, timing and costs associated with preventative and routine maintenance, repair and equipment replacement.

Deferred Maintenance (“Catch-Up Costs”): Backlog resulting from the accumulation of deferred maintenance needs and requests.

Capital Investment (“Get Ahead Costs”): Scope, anticipated costs and timing associated with future critical replacements to avoid disruption in facility operations/use, as well as needed facility enhancements to improve the design, functionality and/or operational efficiency of a buildings and spaces.

Facility	Item Description	Discipline	Classific...	Depart...	Location	Priority	Source	Cost Per Unit	Unit Quantity	Unit Type (SF, LF, EA, SY)
Administration Building	Remove and replace all exterior hollow metal doors and hardware. Existing exterior hollow metal doors 'stick' and need to be replaced.	Architecture	Doors	Administrativ	Campus-wide	2.2	Consultant Assessment	\$2,000.00	8	Each
Administration Building	Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system. (80%). Existing interior doors are not accessible.	Architecture	Doors	Safety and Security	Campus-wide	2.2	Consultant Assessment	\$1,500.00	20	Each
Administration Building	Remove and replace all casework. (60%) Existing casework not accessible.	Architecture	Casework	ADA Accessibility	Campus-wide	2.2	Consultant Assessment	\$250.00	240	Linear Ft.
Administration Building	Provide accessible parking signage. Existing accessible parking sign are non-compliant.	Architecture	Signage/Way-finding	ADA Accessibility	Site	3	Consultant Assessment	\$500.00	2	Each
Administration Building	Renovate exterior ramps for accessible slopes and handrails. North and south exterior ramps.	Architecture	Ramps	Safety and Security	Front Entry	3	Consultant Assessment	\$50.00	50	Linear Ft.
Administration Building	Provide additional storage. Currently no adequate storage.	Architecture	Renovation	Administrativ	Administrativ Offices	3	Consultant Assessment	\$145.00	300	Sq. Ft.
Administration Building	Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.). Existing restrooms are not accessible.	Architecture	Renovation	ADA Accessibility	Restroom	3	Consultant Assessment	\$125.00	303	Sq. Ft.
Administration Building	Paint all previously painted interior surfaces. Repair/patch walls prior to painting. (60%)	Architecture	Painting	Not Assigned	Campus-wide	3	Consultant Assessment	\$1.75	5,013	Sq. Ft.
Administration Building	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility. (60%)	Architecture	Ceiling	Not Assigned	Campus-wide	3	Consultant Assessment	\$3.50	5,013	Sq. Ft.
Administration Building	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors (include ACM abatement where applicable). (60%)	Architecture	Flooring (carpet, tile, etc.)	Not Assigned	Campus-wide	3	Consultant Assessment	\$3.50	5,013	Sq. Ft.
Administration Building	Repoint cracked bricks in exterior north brick wall.	Building Envelope	Wall Repair (Exterior)	Administrativ	Not Assigned	2.1	Consultant Assessment	\$4,500.00	1	Lump Sum
Administration Building	Replace existing single ply roof system per District standards.	Building Envelope	Roof Replacement	Not Assigned	Campus-wide	2.1	Consultant Assessment	\$18.00	21,700	Sq. Ft.



FACILITY CONDITION ASSESSMENT THE ASSESSMENT PROCESS

Upon completion of the site walks, "line-by-line" discipline review meetings were held with FSD representatives to discuss and validate the deficiencies identified at each facility and to prioritize them.

Once fully vetted, all assessment data was uploaded into a customized database and reports were generated.

Friendswood High School Print Date: 10/9/2019

Proposed Work Items
All costs are approximations shown in 2019 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	\$6,807,391.80
Priority - 2.1	\$19,194,625.61
Priority - 2.2	\$10,758,293.78
Priority - 3	\$33,952,484.58
Priority - 4	\$8,415,108.70

DISCIPLINE	PRIORITY-1P	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$10,125.00	\$4,430,600.50	\$0.00	\$4,725.00
Building Envelope	\$0.00	\$6,762,816.80	\$0.00	\$162,240.00	\$2,025.00	\$0.00
Architecture	\$0.00	\$0.00	\$6,715,102.50	\$4,588,571.83	\$20,168,017.54	\$1,401,912.70
Mechanical	\$0.00	\$486,675.00	\$2,166,750.00	\$0.00	\$182,250.00	\$40,500.00
Electrical	\$0.00	\$342,900.00	\$12,000.00	\$0.00	\$2,633,800.00	\$2,700.00
Plumbing	\$0.00	\$162,000.00	\$1,438,425.00	\$0.00	\$1,200,100.00	\$0.00
Technology	\$0.00	\$0.00	\$918,000.00	\$0.00	\$601,425.00	\$31,000.00
Life Safety & Security	\$0.00	\$0.00	\$2,284,336.69	\$216,000.00	\$121,000.00	\$3,449,297.25
Athletics/Activities	\$0.00	\$27,000.00	\$5,549,836.42	\$1,320,876.45	\$8,043,207.05	\$2,282,813.75
Food Service	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,202,310.00
Priority Totals	\$0.00	\$6,807,391.80	\$19,194,625.61	\$10,758,293.78	\$33,952,484.58	\$8,415,108.70

Totals P1	\$6,807,391.80
Totals P1+P2.1+P2.2	\$26,752,613.78
Totals P1+P2.1+P2.2+P3	\$70,705,795.76
Totals P1+P2.1+P2.2+P3+P4	\$79,121,904.46
Totals MP	\$0.00

Friendswood High School Print Date: 10/9/2019

Proposed Work Items
All costs are approximations shown in 2019 dollars. The cost of all work items after this date should be adjusted accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS CODE	TOTAL COST
CIVIL \$4,445,455.51						
C1		Provide hose bibb by dugouts.	2.1	CA	AF	\$3,375.00
C2		Reset inlet to grade.	2.1	CA	SD	\$6,750.00
C3		Provide additional parking per District standards. Currently at capacity with parking. Sophomores currently park at natatorium and junior & seniors park on campus. Football parking all over neighborhood and shuttle from locations. Provide additional stadium parking. Will provide additional parking off of Mustang drive, approximately 70,000 Sq. ft.	2.2	CA	SPN	\$2,362,500.00
C4		Remove and replace concrete sidewalk.	2.2	CA	SPR	\$43,105.50
C5		Remove and replace existing parking lot.	2.2	CA	SPR	\$2,025,000.00
C6		Remove parking lot curb at band loading dock (make loading dock level with base).	4	DP	SPM	\$4,725.00
BUILDING ENVELOPE \$5,977,981.80						
B2		Replace existing built up, modified blumen and single ply roof systems per District standards.	1	CA	RFR	\$5,782,816.80
B3		Paint all existing tilt wall surfaces and existing soffit at field house.	2.2	CA	PTG	\$57,240.00
B4		Replace exterior waterproofing/insulation joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	2.2	CA	WS	\$135,000.00
B5		Repair broken and cracked exterior wall cladding.	3	CA	WRE	\$2,025.00
ARCHITECTURE \$32,863,604.56						
A3		Provide risers for band.	2.1	DP	FURN	\$54,000.00
A4		Provide Wenger musical storage for band. (Need storage for all marching band equipment.)	2.1	DP	FURN	\$267,300.00
A5		Provide additional soundproofing between choir and band rooms.	2.1	DP	REN	\$24,975.00
A6		Provide additional storage for standing risers. Assume 500 SF.	2.1	DP	REN	\$124,675.00
A7		Remove panel walls. Remove and replace walls and doors in 600s, 700s, 800s, & 900s.	2.1	CA	REN	\$199,800.00
A8		Renovate auditorium dressing rooms for theater.	2.1	DP	REN	\$249,750.00
A9		Renovate old computer lab and convert to computer science. (Existing space is too small and includes their own server/rack in room.)	2.1	DP	REN	\$389,610.00
A10		Renovate fine arts suite per District standards (includes acoustical treatments, instrument & uniform storage, practice rooms, etc.). This will renovate the choir room and band hall only (not the auditorium).	2.1	CA	REN	\$4,070,925.00
A11		Provide shower and restroom adjacent to hospital room for clinical. Set up exactly like a hospital.	2.1	DP	ADD	\$50,625.00
A12		Provide new/additional acoustical treatments at auditorium per District standards (includes wall acoustics, window treatment, ceiling treatment, door sound seals, etc.).	2.1	CA	ACO	\$135,000.00
A13		Provide Wenger acoustical shell for auditorium stage.	2.1	DP	ACO	\$237,600.00
A14		Provide new classrooms for softball, health, and ISS. Currently in portable building and using 2400 SF addition.	2.1	CA	ADD	\$665,080.00
A15		Provide Wenger pull out for choir library room. (Currently library room full.)	2.1	DP	CWK	\$18,562.50
A16		Provide two additional pairs of doors for egress at cafeteria. Existing traffic flow issues: cafeteria exit, hallway to math science (main exit to cafeteria only has one pair of doors and would like to add two pairs of doors).	2.1	POI	DR	\$27,000.00
A19		Provide new/additional acoustical wall treatments at band, choir, and orchestra (includes AWP, ceiling diffusers, sound seals, etc.).	2.2	CA	ACO	\$101,250.00



District Assessment Totals Print Date: 10/9/2019

Proposed Work Items
All costs are approximations shown in 2019 dollars. The cost of all work items after this date should be adjusted accordingly.

	FACILITY NAME	PRIORITY-1P	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	TOTAL COST
High Schools								
	Friendswood High School	\$0.00	\$6,801,391.80	\$19,194,625.61	\$10,758,293.78	\$33,952,484.58	\$8,415,108.70	\$79,121,904.46
	Subtotal	\$0.00	\$6,801,391.80	\$19,194,625.61	\$10,758,293.78	\$33,952,484.58	\$8,415,108.70	\$79,121,904.46
Junior High Schools								
	Friendswood Junior High School	\$0.00	\$13,500.00	\$708,750.00	\$207,900.00	\$6,995,418.86	\$3,547,052.44	\$11,472,621.30
	Subtotal	\$0.00	\$13,500.00	\$708,750.00	\$207,900.00	\$6,995,418.86	\$3,547,052.44	\$11,472,621.30
Intermediate Schools								
	Bales Intermediate School	\$0.00	\$1,675,498.50	\$2,185,729.65	\$497,137.50	\$5,988,689.17	\$1,993,126.50	\$12,340,181.32
	Windsong Intermediate School	\$0.00	\$964,440.00	\$4,293,857.60	\$1,721,053.58	\$6,854,635.35	\$5,167,433.31	\$19,001,419.84
	Subtotal	\$0.00	\$2,639,938.50	\$6,479,587.25	\$2,218,191.08	\$12,843,324.52	\$7,160,559.81	\$31,341,601.16
Elementary Schools								
	Cline Elementary School	\$0.00	\$9,206,654.04	\$3,652,601.61	\$1,346,591.16	\$2,447,186.54	\$649,855.76	\$17,302,889.10
	Westwood Elementary School	\$0.00	\$3,209,827.50	\$4,650,157.57	\$2,593,933.20	\$1,508,290.89	\$3,622,147.15	\$15,584,356.30
	Subtotal	\$0.00	\$12,416,481.54	\$8,302,759.17	\$3,940,524.36	\$3,955,477.43	\$4,272,002.91	\$32,887,245.40
Support Facilities								
	Administration Annex	\$0.00	\$74,250.00	\$3,309,483.49	\$9,897,314.66	\$2,612,509.20	\$1,729,267.65	\$17,622,824.99
	Administration Building	\$0.00	\$153,225.00	\$1,201,425.08	\$408,430.89	\$461,769.96	\$224,430.75	\$2,449,281.67
	Ag Barn	\$0.00	\$130,815.00	\$313,773.75	\$11,557.69	\$431,566.74	\$321,384.62	\$1,209,097.80
	Natatorium	\$0.00	\$1,130,625.00	\$456,708.38	\$81,000.00	\$295,807.95	\$824,670.45	\$2,788,811.78
	Support Services	\$0.00	\$139,028.85	\$1,482,991.54	\$311,850.00	\$1,453,350.20	\$118,260.00	\$3,505,480.58
	Subtotal	\$0.00	\$1,627,943.85	\$6,764,382.23	\$10,710,153.23	\$5,255,004.05	\$3,218,013.47	\$27,575,496.82

FACILITY CONDITION ASSESSMENT

THE ASSESSMENT PROCESS

 2018 Facility Condition Assessment Friendswood Independent School District CODE INDEX 							
DISCIPLINE							
C	CIVIL	M	MECHANICAL	T	TECHNOLOGY	FS	FOOD SERVICES
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AT	Athletic Track & Field	FSPR	Fire Sprinkler	PLFD	Plumbing - Floor Drain	SPN	Site Paving - New
AV	Audio/Visual/Sound	FLR	Flooring (carpet, tile, etc.)	PLGP	Plumbing - Gas Piping	SPR	Site Paving - Replacement
BLC	Bleachers	FNT	Furniture	PLGT	Plumbing - Grease Trap	SU	Site Utilities
ADD	Building Addition	HDW	Hardware	PLSS	Plumbing - Sanitary Sewer	SR	Sound Reinforcement
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DR	Doors	MECH	Mechanical	SCR	Security - Card Readers	WDW	Windows
ED	Electrical Distribution	MW	Millwork	SIA	Security - Intrusion Alarm	WDWC	Window Covering (blinds, shades, etc.)
EDF	Electric Drinking Fountains	MEQ	Miscellaneous Equipment	SWR	Showers		
PRIORITY CODE							
1	Must Do: Legal, Safety Reasons or Critical Replacements - <i>(Life Expectancy: 1 - 2 years)</i>						
2	Should Do: Curricular, Instructional, Program Need - <i>(Life Expectancy: 3 - 5 years)</i>						
3	Would Like to Do: Curricular, Instructional, Program Enhancement - <i>(Life Expectancy: 6 - 10 years)</i>						
4	Future Consideration: Not To Be Addressed With Bond Funding At This Time - <i>(Life Expectancy: 11 + years)</i>						
M	Could Be Addressed With Maintenance Funds						
SOURCE CODE							
CA	Consultant Assessment						
DP	District Personnel						
PQ	Principal Questionnaire / Interview						
COM	Community Input						



FACILITY CONDITION ASSESSMENT

FACILITIES ASSESSED

SCHOOL CAMPUSES

- FRIENDSWOOD HIGH SCHOOL (1)
- FRIENDSWOOD JUNIOR HIGH SCHOOL (2)
- BALES INTERMEDIATE SCHOOL (3)
- WINDSONG INTERMEDIATE SCHOOL (4)
- CLINE ELEMENTARY SCHOOL (5)
- WESTWOOD ELEMENTARY SCHOOL (6)

SUPPORT FACILITIES

- ADMINISTRATION BUILDING (7)
- ADMINISTRATION ANNEX (8)
- AG BARN (9)
- NATATORIUM (10)
- SUPPORT SERVICES (11)

FACILITY CONDITION ASSESSMENT FACILITIES ASSESSED// KEY MAP





DISTRICT DISCIPLINE TOTALS

PROPOSED WORK ITEMS

All costs are shown in 2019 dollars.

The cost of all work items after this date should be adjusted accordingly.

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY--2.1
Civil	\$0.00	\$0.00	\$1,447,084.62
Building Envelope	\$0.00	\$8,734,996.80	\$1,736,737.20
Architecture	\$0.00	\$1,517,286.15	\$10,023,806.77
Mechanical	\$0.00	\$8,051,575.50	\$10,493,334.00
Electrical	\$0.00	\$2,746,440.00	\$2,677,924.80
Plumbing	\$0.00	\$982,368.00	\$1,803,792.38
Technology	\$0.00	\$40,500.00	\$1,493,100.00
Life Safety & Security	\$0.00	\$1,348,464.23	\$6,197,488.08
Athletics/Activities	\$0.00	\$77,625.00	\$5,549,836.42
Food Service	\$0.00	\$0.00	\$27,000.00
Priority Totals	\$0.00	\$23,499,255.68	\$41,450,104.26

DISTRICT DISCIPLINE TOTALS

PROPOSED WORK ITEMS

All costs are shown in 2019 dollars.

The cost of all work items after this date should be adjusted accordingly.

PRIORITY-2.2	PRIORITY-3	PRIORITY-4	TOTAL COST
\$8,426,948.21	\$803,587.50	\$279,888.75	\$10,957,509.08
\$222,615.00	\$6,751,350.00	\$633,150.00	\$18,078,849.00
\$9,094,440.20	\$31,295,582.33	\$8,493,134.35	\$60,424,249.81
\$5,135,140.80	\$2,694,111.30	\$1,308,924.90	\$27,683,086.50
\$1,406,639.25	\$5,030,714.25	\$655,182.00	\$12,516,900.30
\$611,882.10	\$1,347,975.00	\$3,375.00	\$4,749,392.48
\$263,250.00	\$3,072,600.00	\$557,550.00	\$5,427,000.00
\$1,346,520.43	\$1,697,338.46	\$7,912,323.00	\$18,502,134.20
\$1,320,876.45	\$10,298,325.60	\$2,436,851.25	\$19,683,514.71
\$6,750.00	\$10,125.00	\$4,332,358.08	\$4,376,233.08
\$27,835,062.44	\$63,001,709.44	\$26,612,737.33	\$182,398,869.14
Totals P1			\$23,499,255.68
Totals P1+P2.1			\$64,949,359.94
Totals P1+P2.1+P2.2			\$92,784,422.38
Totals P1+P2.1+P2.2+P3			\$155,786,131.82
Totals P1+P2.1+P2.2+P3+P4			\$182,398,869.14
Totals MP			\$0.00



CAMPUS FACILITY TOTALS

PROPOSED WORK ITEMS

All costs are shown in 2019 dollars.

The cost of all work items after this date should be adjusted accordingly.

FACILITY NAME	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1
High Schools			
Friendswood High School	\$0.00	\$6,801,391.80	\$19,194,625.61
Subtotal	\$0.00	\$6,801,391.80	\$19,194,625.61
Junior High Schools			
Friendswood Junior High School	\$0.00	\$13,500.00	\$708,750.00
Subtotal	\$0.00	\$13,500.00	\$708,750.00
Intermediate Schools			
Bales Intermediate School	\$0.00	\$1,675,498.50	\$2,185,729.65
Windsong Intermediate School	\$0.00	\$964,440.00	\$4,293,857.60
Subtotal	\$0.00	\$2,639,938.50	\$6,479,587.25
Elementary Schools			
Cline Elementary School	\$0.00	\$9,206,654.04	\$3,652,601.61
Westwood Elementary School	\$0.00	\$3,209,827.50	\$4,650,157.57
Subtotal	\$0.00	\$12,416,481.54	\$8,302,759.17
Support Facilities			
Administration Annex	\$0.00	\$74,250.00	\$3,309,483.49
Administration Building	\$0.00	\$153,225.00	\$1,201,425.08
Ag Barn	\$0.00	\$130,815.00	\$313,773.75
Natorium	\$0.00	\$1,130,625.00	\$456,708.38
Support Services	\$0.00	\$139,028.85	\$1,482,991.54
Subtotal	\$0.00	\$1,627,943.85	\$6,764,382.23
Priority Totals	\$0.00	\$23,499,255.68	\$41,450,104.26

CAMPUS FACILITY TOTALS

PROPOSED WORK ITEMS

All costs are shown in 2019 dollars.

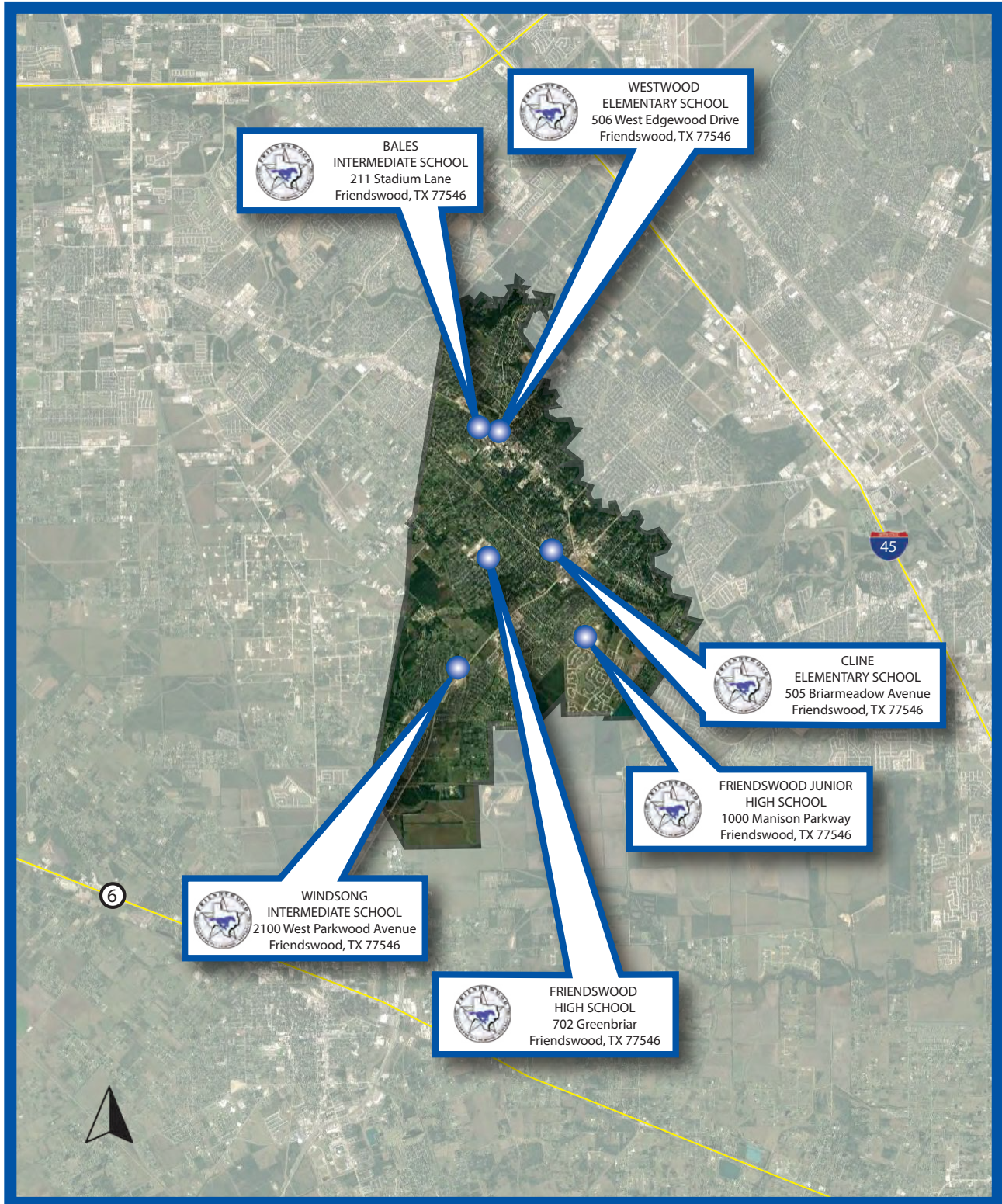
The cost of all work items after this date should be adjusted accordingly.

PRIORITY-2	PRIORITY-3	PRIORITY-4	TOTAL COST
\$10,758,293.78	\$33,952,484.58	\$8,415,108.70	\$79,121,904.46
\$10,758,293.78	\$33,952,484.58	\$8,415,108.70	\$79,121,904.46
\$207,900.00	\$6,995,418.86	\$3,547,052.44	\$11,472,621.30
\$207,900.00	\$6,995,418.86	\$3,547,052.44	\$11,472,621.30
\$497,137.50	\$5,988,689.17	\$1,993,126.50	\$12,340,181.32
\$1,721,053.58	\$6,854,635.35	\$5,167,433.31	\$19,001,419.84
\$2,218,191.08	\$12,843,324.52	\$7,160,559.81	\$31,341,601.16
\$1,346,591.16	\$2,447,186.54	\$649,855.76	\$17,302,889.10
\$2,593,933.20	\$1,508,290.89	\$3,622,147.15	\$15,584,356.30
\$3,940,524.36	\$3,955,477.43	\$4,272,002.91	\$32,887,245.40
\$9,897,314.66	\$2,612,509.20	\$1,729,267.65	\$17,622,824.99
\$408,430.89	\$461,769.96	\$224,430.75	\$2,449,281.67
\$11,557.69	\$431,566.74	\$321,384.62	\$1,209,097.80
\$81,000.00	\$295,807.95	\$824,670.45	\$2,788,811.78
\$311,850.00	\$1,453,350.20	\$118,260.00	\$3,505,480.58
\$10,710,153.23	\$5,255,004.05	\$3,218,013.47	\$27,575,496.82
\$27,835,062.44	\$63,001,709.44	\$26,612,737.33	\$182,398,869.14
Totals P1			\$23,499,255.68
Totals P1+P2.1			\$64,949,359.94
Totals P1+P2.1+P2.2			\$92,784,422.38
Totals P1+P2.1+P2.2+P3			\$155,786,131.82
Totals P1+P2.1+P2.2+P3+P4			\$182,398,869.14
Totals MP			\$0.00



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FACILITY CONDITION ASSESSMENT SCHOOL CAMPUSES // KEY MAP





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FRIENDSWOOD HIGH SCHOOL



Physical Address:
702 Greenbriar
Friendswood, TX 77546

Original Building Completed: 1970
Student Capacity: 2,450
Total Building Area: 322,693 SF
Total Acreage: 40.8520 Acres
Enrollment (2017-2018): 2,121



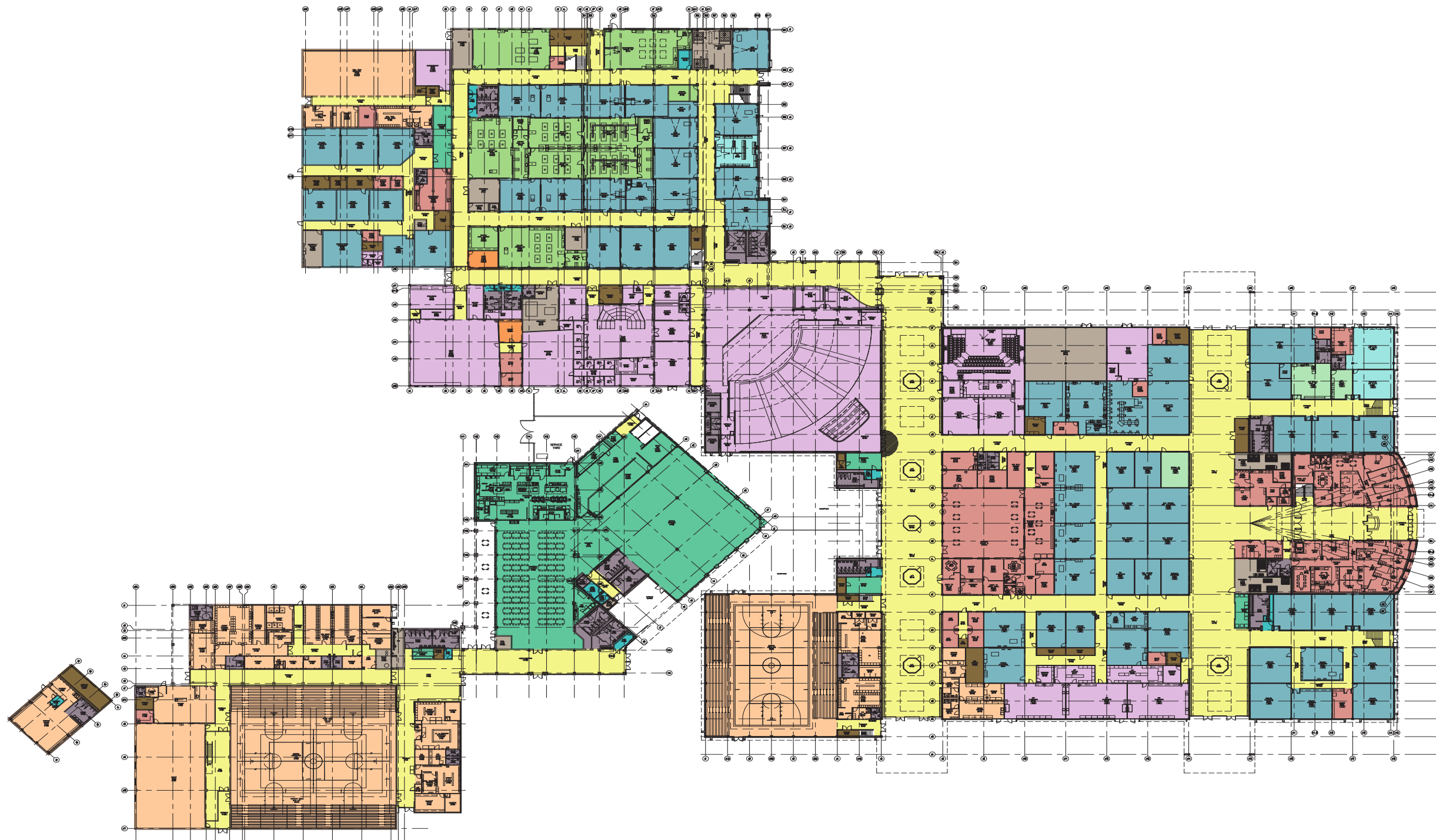
FRIENDSWOOD HIGH SCHOOL

Site Aerial



FRIENDSWOOD HIGH SCHOOL

1st Floor Plan



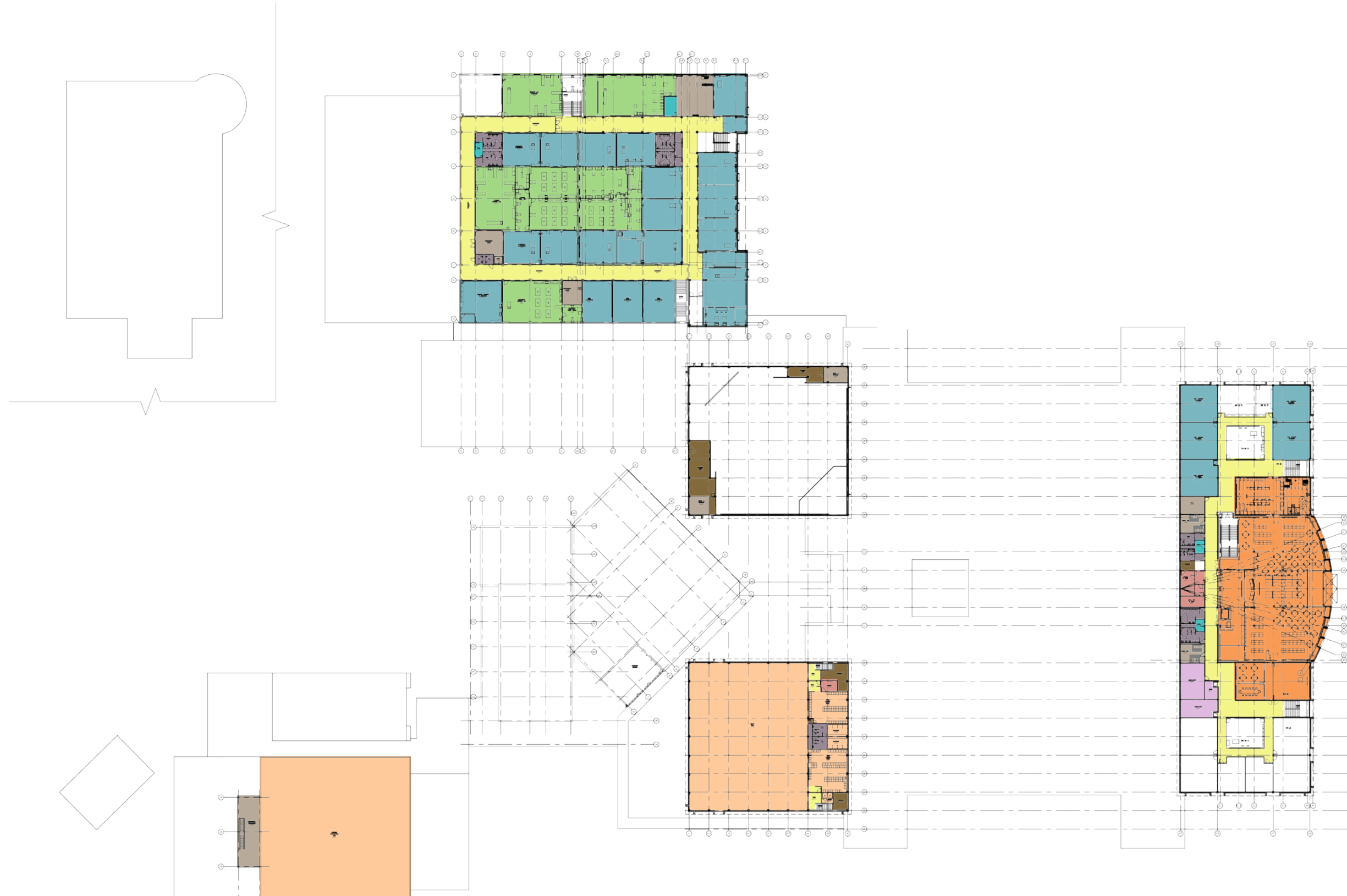
LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



FRIENDSWOOD HIGH SCHOOL

2nd Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE

FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$6,801,391.80
Priority - 2.1	\$19,194,625.61
Priority - 2.2	\$10,758,293.78
Priority - 3	\$33,952,484.58
Priority - 4	\$8,415,108.70

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$10,125.00	\$4,430,605.50	\$0.00	\$4,725.00
Building Envelope	\$0.00	\$5,782,816.80	\$0.00	\$192,240.00	\$2,025.00	\$0.00
Architecture	\$0.00	\$0.00	\$6,715,102.50	\$4,598,571.83	\$20,168,017.54	\$1,401,912.70
Mechanical	\$0.00	\$486,675.00	\$2,166,750.00	\$0.00	\$182,250.00	\$40,500.00
Electrical	\$0.00	\$342,900.00	\$112,050.00	\$0.00	\$2,633,850.00	\$2,700.00
Plumbing	\$0.00	\$162,000.00	\$1,438,425.00	\$0.00	\$1,200,150.00	\$0.00
Technology	\$0.00	\$0.00	\$918,000.00	\$0.00	\$601,425.00	\$31,050.00
Life Safety & Security	\$0.00	\$0.00	\$2,284,336.69	\$216,000.00	\$121,500.00	\$3,449,297.25
Athletics/Activities	\$0.00	\$27,000.00	\$5,549,836.42	\$1,320,876.45	\$9,043,267.05	\$2,282,613.75
Food Service	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,202,310.00
Priority Totals	\$0.00	\$6,801,391.80	\$19,194,625.61	\$10,758,293.78	\$33,952,484.58	\$8,415,108.70

Totals P1	\$6,801,391.80
Totals P1+P2.1+P2.2	\$36,754,311.18
Totals P1+P2.1+P2.2+P3	\$70,706,795.76
Totals P1+P2.1+P2.2+P3+P4	\$79,121,904.46
Totals MP	\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$4,445,455.50
	C1	Provide hose bibb by dugouts.	2.1	CA	AF	\$3,375.00
	C2	Reset inlet to grade.	2.1	CA	SD	\$6,750.00
	C3	Provide additional parking per District standards. Currently at capacity with parking. Sophomores currently park at natatorium and junior & seniors park on campus. Football parking all over neighborhood and shuttle from locations. Provide additional stadium parking. Will provide additional parking off of Mustang drive, approximately 70,000 Sq.ft.	2.2	CA	SPN	\$2,362,500.00
	C4	Remove and replace concrete sidewalk.	2.2	CA	SPR	\$43,105.50
	C5	Remove and replace existing parking lot.	2.2	CA	SPR	\$2,025,000.00
	C6	Remove parking lot curb at band loading dock (make loading dock level with street).	4	DP	SPM	\$4,725.00
BUILDING ENVELOPE						\$5,977,081.80
	B2	Replace existing built up , modified bitumen and single ply roof systems per District standards.	1	CA	RFR	\$5,782,816.80
	B3	Paint all existing tilt wall surfaces and existing soffit at field house.	2.2	CA	PTG	\$57,240.00
	B4	Replace exterior waterproofing/sealant joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	2.2	CA	WS	\$135,000.00
	B5	Repair broken and cracked exterior wall cladding.	3	CA	WRE	\$2,025.00
ARCHITECTURE						\$32,883,604.56
	A3	Provide risers for band.	2.1	DP	FURN	\$54,000.00
	A4	Provide Wenger musical storage for band. (Need storage for all marching band equipment.)	2.1	DP	FURN	\$267,300.00
	A5	Provide additional soundproofing between choir and band rooms.	2.1	DP	REN	\$24,975.00
	A6	Provide additional storage for standing risers. Assume 500 SF.	2.1	DP	REN	\$124,875.00
	A7	Remove panel walls. Remove and replace walls and doors in 600s, 700s, 800s, & 900s.	2.1	CA	REN	\$199,800.00
	A8	Renovate auditorium dressing rooms for theater.	2.1	DP	REN	\$249,750.00
	A9	Renovate old computer lab and convert to computer science. (Existing space is too small and includes their own server/wifi in room.)	2.1	DP	REN	\$389,610.00
	A10	Renovate fine arts suite per District standards (includes acoustical treatments, instrument & uniform storage, practice rooms, etc.). This will renovate the choir room and band hall only (not the auditorium).	2.1	CA	REN	\$4,070,925.00
	A11	Provide shower and restroom adjacent to hospital room for clinical. Set up exactly like a hospital.	2.1	DP	ADD	\$50,625.00
	A12	Provide new/additional acoustical treatments at auditorium per District standards (includes wall acoustics, window treatment, ceiling treatment, door sound seals, etc.).	2.1	CA	ACO	\$135,000.00
	A13	Provide Wenger acoustical shell for auditorium stage.	2.1	DP	ACO	\$237,600.00
	A14	Provide new classrooms for softball, health, and ISS. Currently in portable buildings and would like to bring them in. Assume 2400 SF addition.	2.1	CA	ADD	\$865,080.00
	A15	Provide Wenger pull out for choir library room. (Currently library room full.)	2.1	DP	CWK	\$18,562.50
	A16	Provide two additional pairs of doors for egress at cafeteria. Existing traffic flow issues: cafeteria exit, hallway to math science (main exit to cafeteria only has one pair of doors and would like to add two pairs of doors).	2.1	PQI	DR	\$27,000.00
	A19	Provide new/additional acoustical wall treatments at band, choir, and orchestra (includes AWP, ceiling diffusers, sound seals, etc.).	2.2	CA	ACO	\$101,250.00

FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A20	Provide new classrooms with increased square footage for world language. Current rooms not big enough to hold large classes. Assume three classrooms and two soundproof labs at 4000 SF. Provide sound proof labs with dividers for world language classrooms and labs. Need for sound proof labs that helps with recording and listening activities for students preparing for AP exam.	2.2	DP	ADD	\$1,441,800.00
	A21	Provide overhead door to band hall.	2.2	DP	DR	\$6,750.00
	A22	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable). (60%) - Scope 1 of 2	2.2	CA	FLR	\$1,014,018.08
	A23	Provide stainless steel countertops on casters with storage underneath, and one deep sink along perimeter for floral.	2.2	DP	FURN	\$8,100.00
	A24	Provide new cooler with glass front for floral.	2.2	DP	MEQ	\$10,125.00
	A25	Provide new plotters, vinyl cutter, and t-shirt screen printer for arts (graphic design). Would like to have school store to sell shirts, etc. in the future.	2.2	DP	MEQ	\$18,900.00
	A26	Provide one additional storage room and office for choir. Assume 500 SF.	2.2	DP	REN	\$124,875.00
	A27	Provide typical classroom for law and public safety. Provide computers along perimeter. New furniture is also needed.	2.2	DP	REN	\$349,650.00
	A28	Renovate existing arch/engineering classroom and robotics woodshop for education & training. Expand to a two-room model.	2.2	DP	REN	\$599,400.00
	A29	Renovate Wranglerettes practice facility.	2.2	DP	REN	\$920,328.75
	A30	Modify existing stair handrails for accessibility. 600s and 700s wing.	2.2	CA	RL	\$3,375.00
	A31	Provide additional campus storage. (Currently do not have adequate storage.) Assume 500 SF.	3	CA	ADD	\$180,225.00
	A32	Provide dedicated room for grand piano that is temperature control (62-85 degrees). Assume 300 SF.	3	DP	ADD	\$108,135.00
	A33	Provide second classroom for special education. Assume classroom and restroom (1000 SF).	3	DP	ADD	\$360,450.00
	A34	Provide building addition for larger classrooms with ventilation.	3	DP	ADD	\$549,450.00
	A35	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility (60%). Provide new ceiling in the English Department wing (700s). Current ceiling issues in math, science, and athletics.	3	CA	CLG	\$1,014,018.08
	A36	Provide covered walkway around 700s.	3	CA	CNPY	\$34,182.00
	A37	Replace original educational casework campus-wide per district standards (include counter tops, workstations and ADA accessible sinks).	3	CA	CWK	\$202,500.00
	A38	Replace science lab/classroom casework per District standards (include chemical resistant counter tops, workstations and ADA accessible sinks). Current sinks are too small. Lab spaces to meet TEA requirements.	3	CA	CWK	\$327,442.50
	A39	Replace all fine arts department acoustical doors.	3	CA	DR	\$101,250.00
	A40	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable). (40%) - Scope 2 of 2	3	CA	FLR	\$676,015.20
	A41	Provide work station carrel for life skills.	3	DP	FURN	\$2,025.00
	A42	Remove and replace library shelving to mobile shelving on casters. Provide fixed casework along perimeter. Currently have a need for flexible shelving.	3	DP	FURN	\$135,000.00
	A43	Provide new flexible "next gen" furniture at all classrooms and library per District standards. Convert all classrooms to tables and chairs. Currently approx. 20 classrooms have been converted to tables and chairs (\$3500 per classroom).	3	CA	FURN	\$689,850.00
	A44	Remove all lockers and patch walls and flooring accordingly. Currently only thirty lockers are used.	3	CA	LOC	\$67,500.00



FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A45	Provide exhaust for art room kiln.	3	DP	MECH	\$36,045.00
	A46	Provide mobile health science classroom on bus for clinical.	3	DP	MEQ	\$337,500.00
	A47	Provide ceiling for glass collaboration room in library. Currently no ceiling in glass room and causes sound issues in library.	3	DP	REN	\$2,835.00
	A48	Renovate floral classroom and add windows.	3	DP	REN	\$402,846.75
	A49	Provide collaboration space(s) per District standards. Add technology and flexible furniture in large corridors.	3	CA	REN	\$749,250.00
	A50	Renovate kitchen for quest.	3	CA	REN	\$799,200.00
	A51	Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.).	3	CA	REN	\$1,222,256.25
	A52	Renovate library into learning center.	3	CA	REN	\$1,906,092.00
	A53	Renovate cafeteria (include new finishes, acoustical treatment, lighting, sound system, etc.).	3	CA	REN	\$1,490,384.61
	A54	Provide building renovation for science classrooms and labs. Currently sharing labs and need for larger classrooms (SF). Keep labs shared space with operable wall. HS Food Science teacher needs a lab similar to chem lab with pantry storage and dishwasher.	3	DP	REN	\$5,046,300.00
	A55	Renovate corridor to provide new durable surfaces throughout (remove existing lockers, floor, ceiling, and include ACM abatement where applicable). Secondary corridors only.	3	CA	REN	\$3,727,265.15
	A57	Provide new/additional acoustical treatment at gyms.	4	CA	ACO	\$67,500.00
	A58	Provide new greenhouse.	4	CA	ADD	\$144,180.00
	A59	Provide building addition for science collaboration/lecture space that can fit 45-50 students. Provide operable walls for flexibility (ex/LGI). Within new CTE center.	4	CA	ADD	\$720,900.00
	A60	Provide lockable storage for teachers and open storage for student projects.	4	DP	CWK	\$129,807.70
	A61	Replace teaching surfaces (marker boards, tack boards, etc.) at each classroom.	4	CA	MBTB	\$197,100.00
	A62	Provide operable glass wall partition for meeting areas where the classrooms are located within library.	4	DP	REN	\$67,500.00
	A63	Provide workroom adjacent to library with range and fridge. For hosting and catering campus events.	4	DP	REN	\$74,925.00
	A65	Provide classroom and computer lab that has computers on perimeter for Project Lead the Way. Include additional storage. Include science lab.	NA	DP	ADD	\$0.00
	A66	Provide hospital simulation room with four beds for clinical. Include simulated headboard with headlight. Provide check-in reception area that simulates a doctor's office. Provide additional storage. Provide curtains for privacy.	NA	DP	ADD	\$0.00
	A67	Provide audio visual TV studio with editing stations, equipment storage, and six audio booths. Provide TV studio that is 3x size of current space.	NA	DP	ADD	\$0.00
	A68	Provide classroom and adjacent computer lab for Ag. Provide shop with woodworking and metal for Ag. Need six welding booths. Classrooms to fit twenty students and allow for future expansion.	NA	DP	ADD	\$0.00
	A69	Provide larger classroom for 32 kids for health science. Conducive for collaboration. Provide plumbing.	NA	DP	ADD	\$0.00
	A70	Provide larger classrooms with additional computers for business / finance / marketing. Need bigger classrooms or adjacent collaboration room / storage. Provide for 60 students total.	NA	DP	ADD	\$0.00
	A71	Provide lecture style room for arts and audio visual presentations. Accommodate 100 to 120 people.	NA	DP	ADD	\$0.00

FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A72	Provide new arts and crafts area / workroom for education and training. Provide new classroom that mimics an elementary classroom for education and training.	NA	DP	ADD	\$0.00
	A73	Provide new classroom + lab for Arts (Graphic Design).	NA	DP	ADD	\$0.00
	A74	Provide new classroom and lab for potential architecture/construction program in the future. Include welding, woodshop, etc.	NA	DP	ADD	\$0.00
	A75	Provide new robotics lab. Include 3D printer, welding, and wood working for STEM. Need for a large open space similar to junior high wood shop.	NA	DP	ADD	\$0.00
	A76	Provide one additional classroom for STEM. Provide more storage. Currently have three classrooms and one is too small.	NA	DP	ADD	\$0.00
	A77	Provide veterinary clinic for future program. Start with grooming, small boarding facility. Provide exam room and possibly open up to public (district employees first).	NA	DP	ADD	\$0.00
	A78	Remove and/or rebuild interior brick/cinder block wall in the auditorium (moisture issues at back wall).	NA	DP	REN	\$8,991.00
	A79	Renovate auditorium per District standards including ADA accessibility, catwalks, new curtain system, new acoustical treatment, sound systems, seating, and doors. Upgrade seating lights, general aesthetics, flooring and wall finishes. Existing auditorium needs renovation and possible replacement with new building construction.	NA	CA	REN	\$4,653,923.08
MECHANICAL						\$2,876,175.00
	M1	Replace hot water pumps.	1	CA	HVAC	\$21,600.00
	M2	Replace chilled water pumps.	1	CA	HVAC	\$43,200.00
	M3	Replace air cooled chiller.	1	CA	HVAC	\$67,500.00
	M4	Replace hot water boiler.	1	CA	HVAC	\$74,250.00
	M5	Replace exhaust fans on the roof.	1	CA	HVAC	\$108,675.00
	M6	Provide test and balance of HVAC systems.	1	CA	HVAC	\$171,450.00
	M7	Replace roof top units.	2.1	CA	HVAC	\$911,250.00
	M8	Replace aged air handling units.	2.1	CA	HVAC	\$1,012,500.00
	M9	Replace condensing units.	2.1	CA	HVAC	\$101,250.00
	M10	Replace science lab exhaust fans.	2.1	CA	HVAC	\$141,750.00
	M11	Replace fan coil units.	3	CA	HVAC	\$182,250.00
	M12	Provide dust collector for theater.	4	DP	MEQ	\$40,500.00
ELECTRICAL						\$3,091,500.00
	E1	Replace secondary switchgear.	1	CA	ED	\$342,900.00
	E2	Replace exterior lights with LED lighting.	2.1	CA	LTG-E	\$32,400.00
	E3	Provide additional site lighting and wall packs. (Need better campus lighting. Currently they turn on athletic field lighting since existing lights are not enough.)	2.1	DP	LTG-E	\$12,150.00
	E4	Provide additional lighting in main corridor.	2.1	DP	LTG-I	\$67,500.00
	E5	Replace auditorium lighting.	3	CA	LTG-I	\$405,000.00
	E6	Provide interior lighting controls.	3	CA	LTG-I	\$514,350.00
	E7	Replace interior lights with LED lighting.	3	CA	LTG-I	\$1,714,500.00
	E8	Provide additional outlets in band. (Existing outlets were covered up with lockers.)	4	DP	ELE	\$2,700.00
PLUMBING						\$2,800,575.00
	P1	Replace hot water heater.	1	CA	PLWH	\$162,000.00



FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	P2	Replace plumbing fixtures.	2.1	CA	PLF	\$600,075.00
	P3	Replace gas piping.	2.1	CA	PLGP	\$514,350.00
	P4	Renovate existing faculty restroom 340. (Currently can't use due to drainage - broken lines from original plumbing lines.) Demo and relocate restroom.	2.1	CA	PLF	\$54,000.00
	P5	Replace waste piping.	2.1	CA	PLSS	\$270,000.00
	P6	Replace cold water piping.	3	CA	PLDW	\$514,350.00
	P7	Replace hot water piping.	3	CA	PLDW	\$685,800.00
TECHNOLOGY						\$1,550,475.00
	T1	Provide resilient fiber connection in and out of campus.	2.1	CA	TECHSI	\$40,500.00
	T3	Provide new A/V systems and controls per District standards (includes lighting, sound, video, theatrical light fixtures, speakers & inputs, DMX, sound amplifiers, projector and screen, control booth, communications, etc.).	2.1	CA	AV	\$202,500.00
	T4	Provide additional computers for education and training.	2.1	DP	MEQ	\$67,500.00
	T6	Provide interactive projectors for all special education classrooms.	2.1	DP	AV	\$81,000.00
	T7	Upgrade classroom presentation/AV delivery capabilities to district-wide controlled, dedicated solution.	2.1	CA	TECHSI	\$526,500.00
	T10	Provide ipads for library book search. (Would like to switch from physical catalog books to ipads for looking up books).	3	DP	MEQ	\$4,725.00
	T11	Provide WiFi in auditorium.	3	DP	TECH	\$8,775.00
	T12	Provide headphones for world language classrooms and labs.	3	DP	MEQ	\$12,825.00
	T13	Provide new ipad/devices and place to charge devices.	3	DP	MEQ	\$13,500.00
	T14	Provide three projectors and screens in auditorium.	3	DP	AV	\$32,400.00
	T15	Provide advanced desktop computers for Project Lead the Way.	3	DP	MEQ	\$67,500.00
	T16	Provide additional computers for STEM.	3	DP	MEQ	\$67,500.00
	T56	Provide interactive TV panel with table in every classroom and in library.	3	CA	MEQ	\$394,200.00
	T18	Provide projector and large screen for choir room.	4	DP	AV	\$10,800.00
	T19	Provide video monitors backstage. Ensure video camera is displaying real time so kids backstage can see.	4	DP	MEQ	\$20,250.00
	T21	Audit and commission existing sound systems in performance locations.	NA	CA	TECHSI	\$13,500.00
LIFE SAFETY & SECURITY						\$6,071,133.94
	LSS1	Replace fire alarm to district-wide standard voice evacuation system.	2.1	CA	FA	\$603,586.69
	LSS2	Add security film to the interior access controlled storefront door(s) and window(s) at the front entry secure vestibule and to the doors and adjacent windows at all other secondary building entrances.	2.1	CA	SEC	\$81,000.00
	LSS2	Repair PA system in athletic area.	2.1	CA	PA	\$20,250.00
	LSS2	Provide new room graphics and way-finding signage per ADA requirements.	2.1	DP	SGN	\$13,500.00
	LSS5	Provide additional security for check in desk, add cameras.	2.1	PQI	SCM	\$13,500.00
	LSS8	Provide new fencing and fence modifications to improve security at the stadium. Provide secure gates and additional fencing for football field. (Currently no way to control field from public crowd. Also, currently students are able to bend gates to gain access to field.)	2.1	DP	SF	\$67,500.00
	LSS17	Replace exterior doors and hardware. Re-key entire facility per new District "grand master" keying system. Existing exterior doors are inconsistent and need replacement. Identify doors that need replacement.	2.1	CA	DR	\$165,375.00
	LSS18	Replace older interior doors and hardware. Re-key entire facility per new District "grand master" keying system. Older areas. (Door line item 2 of 3)	2.1	CA	DR	\$1,319,625.00

FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	LSS3	Provide new way-finding site signage.	2.2	CA	SGN	\$6,750.00
	LSS8	Provide access control system upgrade. Remove wireless card readers and provide wired units. Replace card readers. (Currently card readers are wireless and not tied to any system.)	2.2	CA	SCR	\$209,250.00
	LSS9	Upgrade intrusion alarm system with remote scheduling and adjustable scheduling.	3	PQI	SIA	\$121,500.00
	LSS4	Provide fire sprinkler system. (Entire building isn't sprinklered, provide sprinkler system.) Check on vocational.	4	CA	FSPR	\$864,000.00
	LSS17	Provide cameras in rehearsal rooms.	4	DP	SCM	\$10,125.00
	LSS64	Renovate administration area per District standards (include vestibule, reception, admin offices, counselor suite, conference room, teacher workroom/lounge, clinic suite, restrooms, etc.).	4	CA	REN	\$2,575,172.25
ATHLETICS/ACTIVITIES						\$18,223,593.66
	SP1	Provide exhaust at locker room sport areas.	1	CA	MECH	\$27,000.00
	SP2	Replace all interior doors and repaint all frames. Replace for boys' gym. Provide new doors for weight room.	2.1	CA	DR	\$93,150.00
	SP3	Provide new lockers at all areas. Existing dressing and shower facilities for football and baseball are insufficient. Revise layout existing lockers (currently on top of one another).	2.1	CA	LOC	\$71,415.00
	SP4	Provide large laundry space for sports and new machines.	2.1	CA	ADD	\$144,180.00
	SP5	Provide new coaches offices. (Need office space for coaches – area is congested.) Provide new shower facilities and lockers for male coaches.	2.1	CA	ADD	\$432,540.00
	SP6	Replace softball backstop netting with new 40' tall back-tensioned system extending to the end of each dugout.	2.1	CA	AEQ	\$82,309.50
	SP7	Renovate hitting cage facility (netting and turf).	2.1	CA	AEQ	\$94,500.00
	SP9	Recoat tennis courts and reseal joints.	2.1	CA	TC	\$86,400.00
	SP10	Provide new bullpens with concrete pad and nylon synthetic turf.	2.1	DP	AF	\$121,500.00
	SP11	Strip, till in 2" of sand rootzone, regrade and resod baseball and softball fields and add drainage.	2.1	DP	AF	\$990,225.00
	SP12	Replace ceiling tiles at scoreboard room. (Roof is leaking.)	2.1	CA	CLG	\$1,890.00
	SP13	Repaint boys' locker room.	2.1	CA	PTG	\$18,900.00
	SP14	Renovate the visitors locker area (locker area for soccer, cross country and track) to be future storage.	2.1	CA	REN	\$624,375.00
	SP15	Renovate trainer's room.	2.1	CA	REN	\$624,375.00
	SP16	Renovate gymnasium and boys' locker room.	2.1	CA	REN	\$2,164,076.92
	SP17	Move maintenance to AG building site. Currently maintenance has a small building adjacent to stadium that can be relocated.	2.2	CA	ADD	\$396,495.00
	SP18	Provide additional space and storage for athletics. Assume 2000 SF.	2.2	CA	ADD	\$720,900.00
	SP19	Provide pavement and storage under visitor bleachers at stadium to improve functionality.	2.2	DP	AF	\$203,481.45
	SP20	Provide storage for baseball and softball dugouts.	3	CA	ADD	\$144,180.00
	SP21	Increase building square footage at weight room.	3	CA	ADD	\$1,441,800.00
	SP22	Provide new ticket booth and athletic office at main entry.	3	CA	ADD	\$1,316,923.08
	SP23	Replace baseball backstop netting with new 60' tall back-tensioned system extending to the end of each dugout.	3	CA	AEQ	\$169,533.00
	SP24	Recoat and restripe existing track and field events.	3	CA	AF	\$182,049.86
	SP25	Replace plywood on baseball and softball fencing with new green metal panel (U-panel or similar).	3	CA	AF	\$341,550.00



FRIENDSWOOD HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP26	Provide LED field lighting at the Henry Winston Stadium.	3	DP	AF	\$371,250.00
	SP27	Provide LED field lighting at baseball and softball.	3	DP	AF	\$418,500.00
	SP28	Replace existing tennis courts with new post-tensioned slab tennis courts with new 12' chainlink fencing and bleachers with canopies. Place where district owned home sites.	3	DP	AF	\$696,330.00
	SP29	Convert practice field by natatorium to synthetic turf.	3	DP	AF	\$1,490,400.00
	SP30	Convert baseball and softball field to synthetic turf.	3	DP	AF	\$2,376,540.00
	SP31	Replace weight room flooring.	3	CA	FLR	\$94,211.10
	SP32	Provide new dressing room facility for baseball and visiting team.	4	CA	ADD	\$901,125.00
	SP33	Provide LED lighting at the tennis courts.	4	DP	AF	\$303,750.00
	SP34	Strip, regrade and resod the existing northeast practice field and add 8' perimeter security fencing and 20' netting at each end.	4	CA	AF	\$977,838.75
	SP35	Renovate football press box and elevator.	4	CA	REN	\$99,900.00
	SP36	Provide necessary improvements to existing tennis facility for ADA access and pathways.	NA	CA	AF	\$208,959.75
	SP37	Replace toilet partitions and grab bars at mens' and womens' restrooms. Concessions/restrooms renovation.	NA	CA	TP	\$32,400.00
FOOD SERVICE						\$1,202,310.00
	FS1	Provide full commercial kitchen and classroom for culinary. Provide mounted TV for demonstrations.	4	DP	ADD	\$829,035.00
	FS2	Provide commercial dishwasher for culinary.	4	DP	MEQ	\$25,650.00
	FS3	Provide ware wash area for culinary.	4	DP	MEQ	\$28,350.00
	FS4	Provide additional convectional oven for culinary.	4	DP	MEQ	\$29,700.00
	FS5	Provide six additional burners with vent hoods for culinary.	4	DP	MEQ	\$64,800.00
	FS6	Provide coffee shop + bakery for culinary. Cafe could be salad bar.	4	DP	REN	\$224,775.00

Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.

FRIENDSWOOD JUNIOR HIGH SCHOOL



Physical Address:

1000 Manison Parkway
Friendswood, TX 77546

Original Building Completed: 2010

Student Capacity: 1856

Total Building Area: 250,000 SF

Total Acreage: 21.6241 Acres

Enrollment (2017-2018): 1,420



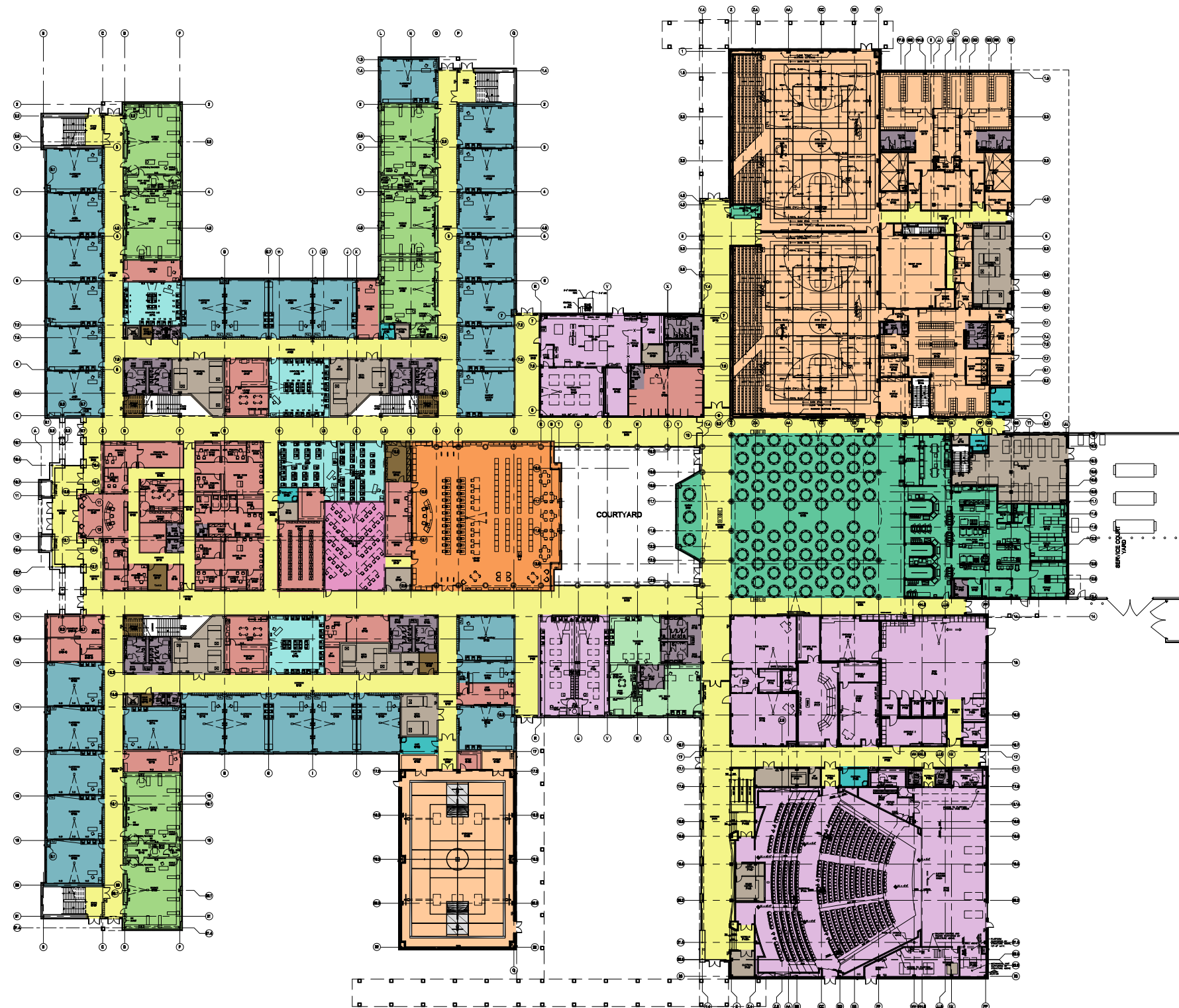
FRIENDSWOOD JUNIOR HIGH SCHOOL

Site Aerial



FRIENDSWOOD JUNIOR HIGH

1st Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



FRIENDSWOOD JUNIOR HIGH

2nd Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE

FRIENDSWOOD JUNIOR HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$13,500.00
Priority - 2.1	\$708,750.00
Priority - 2.2	\$207,900.00
Priority - 3	\$6,995,418.86
Priority - 4	\$3,547,052.44

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$0.00	\$0.00	\$29,025.00	\$55,350.00
Building Envelope	\$0.00	\$0.00	\$0.00	\$0.00	\$121,500.00	\$0.00
Architecture	\$0.00	\$0.00	\$0.00	\$32,400.00	\$2,788,560.00	\$2,931,452.44
Mechanical	\$0.00	\$0.00	\$0.00	\$60,750.00	\$54,000.00	\$0.00
Electrical	\$0.00	\$0.00	\$47,250.00	\$0.00	\$2,107,289.25	\$30,375.00
Plumbing	\$0.00	\$13,500.00	\$16,200.00	\$0.00	\$80,325.00	\$3,375.00
Technology	\$0.00	\$0.00	\$44,550.00	\$0.00	\$405,000.00	\$513,000.00
Life Safety & Security	\$0.00	\$0.00	\$600,750.00	\$114,750.00	\$391,586.06	\$13,500.00
Athletics/Activities	\$0.00	\$0.00	\$0.00	\$0.00	\$1,018,133.55	\$0.00
Priority Totals	\$0.00	\$13,500.00	\$708,750.00	\$207,900.00	\$6,995,418.86	\$3,547,052.44

Totals P1 \$13,500.00

Totals P1+P2.1+P2.2 \$930,150.00

Totals P1+P2.1+P2.2+P3 \$7,925,568.86

Totals P1+P2.1+P2.2+P3+P4 \$11,472,621.30

Totals MP \$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



FRIENDSWOOD JUNIOR HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$84,375.00
	C	Provide accessible parking along bus driveway. (Existing handicap parking is too far away from gymnasium.)	3	DP	SPN	\$15,525.00
	C1	Replace drainage system in courtyard in conjunction with paving renovation (currently the courtyard holds water).	3	CA	SD	\$13,500.00
	C2	Provide regrading of drainage fields along north roads. (Existing issues with drainage.)	4	CA	SD	\$47,250.00
	C3	Provide two rolling gates on Madison Parkway for traffic control. Check with City of Friendswood if this is city street.	4	PQI	SF	\$8,100.00
BUILDING ENVELOPE						\$121,500.00
	B1	Replace existing window gaskets with new.	3	CA	WDW	\$54,000.00
	B2	Replace exterior waterproofing/sealant joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	3	CA	WS	\$67,500.00
ARCHITECTURE						\$5,752,412.44
	A3	Remove four sets of double doors into cafeteria and replace with eight sets of double doors. Include wall demolition and replacement. (Taller doors to allow for tall cafeteria tables.)	2.2	CA	DR	\$32,400.00
	A4	Provide collaboration space(s). Renovate existing computer labs. Provide one collaboration area per grade level.	3	PQI	REN	\$612,562.50
	A5	Renovate library into learning center based on District standards. Provide acoustical separation, mobile shelving, charging stations, interactive TVs, etc. Greatest need is flexibility to have separation of space with glass wall partitions. Move existing projector screen for better utilization.	3	PQI	REN	\$1,391,519.25
	A6	Renovate courtyard and provide access from library (double door).	3	CA	SPR	\$76,383.00
	A7	Repoint masonry wall under roof drain in gymnasium.	3	CA	WRI	\$6,750.00
	A8	Provide restroom and classroom casework for storage in special education.	3	CA	CWK	\$23,625.00
	A9	Provide shelving on casters and additional casework in library. (Currently have old shelving and additional storage needed for cubelits.)	3	PQI	CWK	\$135,000.00
	A10	Provide new flexible "next gen" furniture at all classrooms per District standards. Provide flip & nest tables (no buoys).	3	PQI	FURN	\$388,800.00
	A11	Provide cool down space in special education/sensory room. District requests sensory support and cooling-off rooms within classroom (not isolation). Motor lab and sensory room works great.	3	PQI	REN	\$26,730.00
	A12	Renovate maker space. (Need ability to do water projects and access to outside.)	3	PQI	REN	\$127,190.25
	A13	Provide new/additional acoustical treatment at gyms.	4	CA	ACO	\$47,250.00
	A14	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	4	CA	CLG	\$1,096,440.98
	A15	Provide lockable storage for teachers and open storage for student projects.	4	DP	CWK	\$33,750.00
	A16	Provide additional casework for music library storage.	4	CA	CWK	\$67,500.00
	A17	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable).	4	CA	FLR	\$1,096,440.98
	A18	Provide work station carrel for life skills.	4	DP	FURN	\$8,100.00
	A19	Paint all previously painted interior surfaces. Repair/patch walls prior to painting. Replace the existing vinyl wall covering. (Existing VWC in corridors has been painted over and in classrooms under the windows.)	4	CA	PTG	\$548,220.49
	A20	Remove and replace stage curtain.	4	CA	STGC	\$33,750.00
MECHANICAL						\$114,750.00



FRIENDSWOOD JUNIOR HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	M1	Replace existing DuctSox in gym with double-wall insulated ductwork.	2.2	CA	HVAC	\$60,750.00
	M2	Air pressurization issues in large spaces (gyms, auditorium).	3	DP	HVAC	\$54,000.00
ELECTRICAL						\$2,184,914.25
	E1	Add needed power in large space adjacent to Library (confirm if this the 'Trailblazer' space identified on the principal questionnaire).	2.1	PQI	ED	\$47,250.00
	E4	Replace T5 lighting at exterior canopies. (Likely a water intrusion issue.)	3	DP	LTG-E	\$31,725.00
	E5	Upgrade building exterior lighting to LED.	3	CA	LTG-E	\$101,250.00
	E6	Upgrade site lighting to LED.	3	CA	LTG-E	\$405,000.00
	E7	Add secure vestibule lights.	3	CA	LTG-I	\$2,970.00
	E8	Replace interior lighting controls. (Currently on occupancy sensor control but have maintenance issues.)	3	CA	LTG-I	\$783,172.13
	E9	Replace interior lights with LED lighting. (Currently T8 fluorescent.)	3	CA	LTG-I	\$783,172.13
	E10	Provide direct/indirect lighting in library.	4	CA	LTG-I	\$30,375.00
PLUMBING						\$113,400.00
	P1	Reroute hot and cold water within kitchen. (Currently hot water is at cold water at all faucets.)	1	CA	PLDW	\$13,500.00
	P2	Provide accessible drinking fountains in gymnasium.	2.1	DP	EDF	\$16,200.00
	P3	Replace sump pump under the auditorium stage.	3	CA	MEQ	\$10,125.00
	P4	Replace existing metered faucets with manual. (Maintenance issues prevalent with the current metered trim.)	3	CA	PLF	\$36,450.00
	P5	Add custodial floor drain in room outside mop sink.	3	CA	PLFD	\$4,050.00
	P6	Replace rusting natural gas piping on roof.	3	CA	PLGP	\$29,700.00
	P7	Replace one (1) of the sinks at the special education area with a urinal. (Sink is not currently used, urinal would be more useful.)	4	DP	PLF	\$3,375.00
TECHNOLOGY						\$962,550.00
	T1	Provide resilient fiber connection in and out of campus.	2.1	CA	TECHSI	\$40,500.00
	T2	Provide a connection (programmer) to the marquee sign. (Unable to make changes to sign remotely. Staff currently walks to the sign with a laptop.)	2.1	DP	SGN	\$4,050.00
	T3	Upgrade auditorium sound system.	3	PQI	AV	\$135,000.00
	T4	Provide updated cafeteria sound system. Want localized sound system in cafeteria/library to be able to connect to interactive TV and projector.	3	PQI	AV	\$33,750.00
	T5	Provide updated library sound system. Want localized sound system in cafeteria/library to be able to connect to interactive TV and projector.	3	PQI	AV	\$33,750.00
	T6	Replace sound system at three (3) gyms.	3	DP	AV	\$202,500.00
	T7	Provide interactive projectors for all special education classrooms.	4	DP	AV	\$175,500.00
	T21	Provide new ipad/devices and place to charge devices.	4	DP	MEQ	\$337,500.00
LIFE SAFETY & SECURITY						\$1,120,586.06
	LSS1	Upgrade security camera system. (Currently analog. Poor coverage at front of building per staff.) Add additional interior cameras for better coverage.	2.1	CA	SCM	\$101,250.00
	LSS1	Add security film to the interior access controlled storefront door(s) and window(s) at the front entry secure vestibule and to the doors and adjacent windows at all other secondary building entrances.	2.1	CA	SEC	\$10,125.00
	LSS2	Provide emergency backup generator for technology (servers & MDF). (School has lost all power four times in the past eight years.) Connect generator to emergency lighting and PA system. (School needs generator as a potential shelter.)	2.1	PQI	EG	\$310,500.00



FRIENDSWOOD JUNIOR HIGH SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	LSS2	Replace exterior doors and hardware. Re-key entire facility per new District "grand master" keying system. Storefront doors w/hardware. (The existing door latch doesn't close at top since they were installed.) Replace exterior double door vertical rods with removable center mullion.	2.1	CA	DR	\$178,875.00
	LSS3	Provide emergency backup generator for shelter (option 2).	2.2	PQI	EG	\$114,750.00
	LSS2	Migrate fire alarm to district wide standard voice evacuation system.	3	CA	FA	\$391,586.06
	LSS3	Add interior way-finding signage.	4	CA	SGN	\$13,500.00
ATHLETICS/ACTIVITIES						\$1,018,133.55
	SP1	Provide additional square footage at weight room junior high. (Weight room too small at junior high area.) Provide new training room with this addition.	3	CA	ADD	\$445,500.00
	SP2	Recoat tennis courts and reseal joints.	3	CA	AF	\$43,200.00
	SP3	Recoat and restripe existing track and field events.	3	CA	AF	\$107,558.55
	SP4	Strip, regrade, add subdrainage, and resod practice fields to improve drainage issue.	3	DP	AF	\$421,875.00

Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.

BALES

INTERMEDIATE SCHOOL



Physical Address:
211 Stadium Lane
Friendswood, TX 77546

Original Building Completed: 1994
Student Capacity: 650
Total Building Area: 82,651 SF
Total Acreage: 1.97 Acres
Enrollment (2017-2018): 475



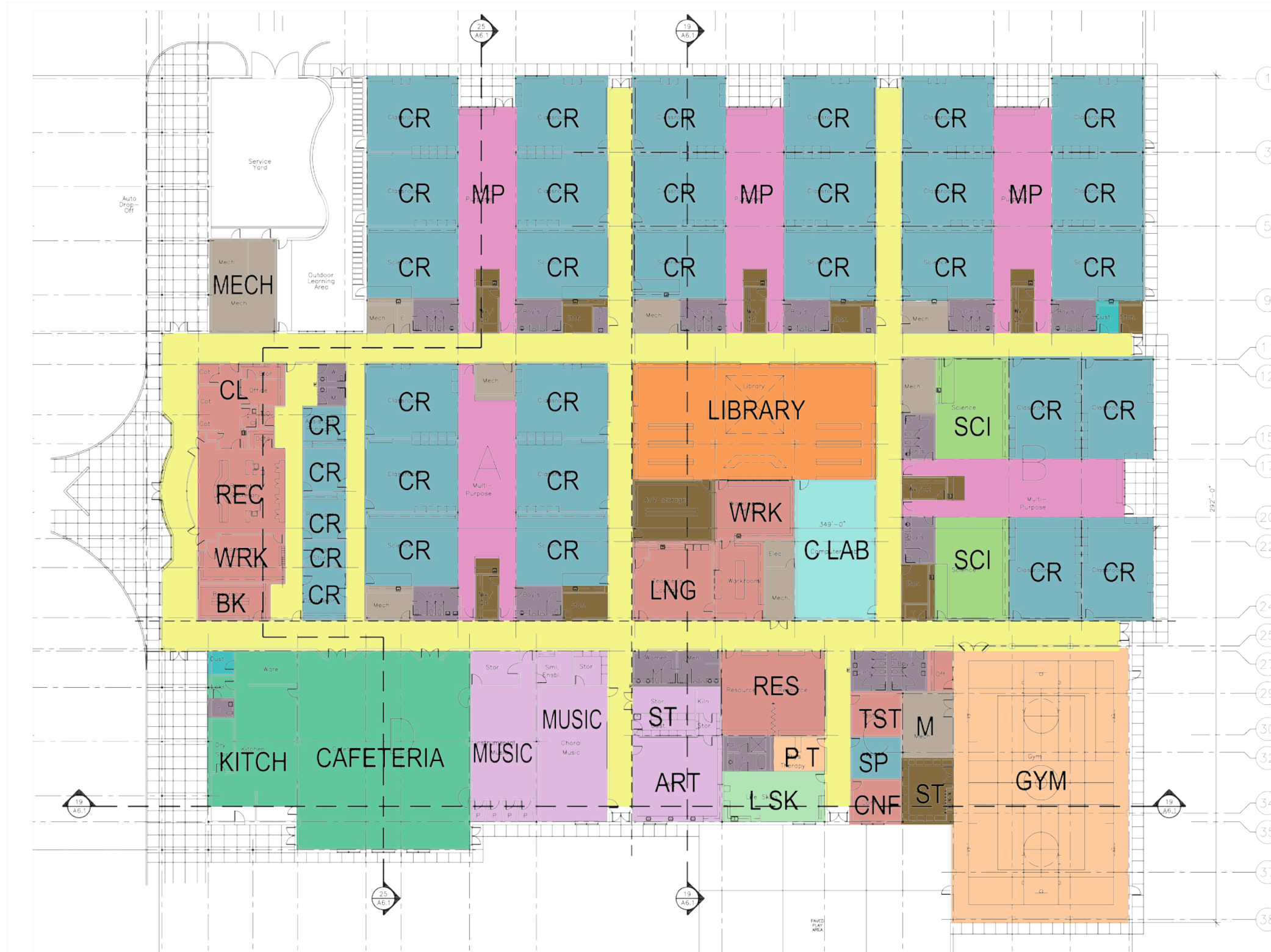
BALES INTERMEDIATE SCHOOL

Site Aerial



BALES INTERMEDIATE SCHOOL

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



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BALES INTERMEDIATE SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$1,675,498.50
Priority - 2.1	\$2,185,729.65
Priority - 2.2	\$497,137.50
Priority - 3	\$5,988,689.17
Priority - 4	\$1,993,126.50

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$0.00	\$207,157.50	\$0.00	\$0.00
Building Envelope	\$0.00	\$114,750.00	\$0.00	\$0.00	\$2,108,700.00	\$0.00
Architecture	\$0.00	\$0.00	\$4,050.00	\$26,730.00	\$3,236,579.17	\$1,060,195.50
Mechanical	\$0.00	\$1,484,230.50	\$1,447,054.20	\$0.00	\$56,700.00	\$0.00
Plumbing	\$0.00	\$76,518.00	\$0.00	\$0.00	\$67,500.00	\$0.00
Technology	\$0.00	\$0.00	\$40,500.00	\$263,250.00	\$364,500.00	\$0.00
Life Safety & Security	\$0.00	\$0.00	\$694,125.45	\$0.00	\$23,085.00	\$905,931.00
Athletics/Activities	\$0.00	\$0.00	\$0.00	\$0.00	\$121,500.00	\$27,000.00
Food Service	\$0.00	\$0.00	\$0.00	\$0.00	\$10,125.00	\$0.00
Priority Totals	\$0.00	\$1,675,498.50	\$2,185,729.65	\$497,137.50	\$5,988,689.17	\$1,993,126.50

Totals P1	\$1,675,498.50
Totals P1+P2.1+P2.2	\$4,358,365.65
Totals P1+P2.1+P2.2+P3	\$10,347,054.82
Totals P1+P2.1+P2.2+P3+P4	\$12,340,181.32
Totals MP	\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



BALES INTERMEDIATE SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$207,157.50
	C1	Remove and replace concrete drive (regrade where needed). Remove and replace broken/cracked pavement, curbs, and sidewalks.	2.2	CA	SPR	\$207,157.50
BUILDING ENVELOPE						\$2,223,450.00
	B1	Remove and replace existing thru-wall at library and rear of front canopy.	1	CA	WRE	\$60,750.00
	B2	Replace exterior waterproofing/sealant joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	1	CA	WS	\$54,000.00
	B3	Replace existing skylight with new polycarbonate skylight.	3	CA	RFR	\$31,050.00
	B4	Replace existing built up roof system per District standards.	3	CA	RFR	\$2,077,650.00
ARCHITECTURE						\$4,327,554.67
	A1	Provide secondary egress door to computer lab.	2.1	CA	DR	\$4,050.00
	A3	Provide operable wall between computer lab.	2.2	CA	REN	\$20,250.00
	A4	Replace damaged plastic laminate window sills.	2.2	CA	WDW	\$6,480.00
	A5	Provide new flexible "next gen" furniture at all classrooms per District standards.	3	CA	FURN	\$194,400.00
	A6	Paint all previously painted interior surfaces. Repair/patch walls prior to painting.	3	CA	PTG	\$196,432.43
	A7	Renovate restrooms to ensure ADA accessibility to include new wall and floor finishes, fixtures, toilet partitions etc. (Existing restrooms has damaged toilet partitions and fixtures.)	3	CA	REN	\$469,125.00
	A8	Renovate pod cores for collaboration. Provide collaboration space(s) per District standards. Provide one collaboration area per grade level.	3	CA	REN	\$1,223,437.50
	A9	Provide new/additional acoustical treatment at walls in gymnasium.	3	CA	ACO	\$47,250.00
	A10	Provide tech office for storage of technology.	3	PQI	ADD	\$88,290.00
	A11	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	3	CA	CLG	\$382,932.70
	A12	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable). Existing VCT has moisture damage issues.	3	CA	FLR	\$600,961.55
	A13	Provide movable shelving on casters. (Currently do not have any movable shelving.)	3	CA	FURN	\$33,750.00
	A14	Provided powered bleachers in gymnasium.	4	CA	AC	\$67,500.00
	A15	Replace educational casework in all classrooms (excluding science labs) per district standards (include counter tops, workstations and ADA accessible sinks).	4	CA	CWK	\$506,250.00
	A16	Replace teaching surfaces (marker boards, tack boards, etc.) at each classroom.	4	CA	MBTB	\$60,750.00
	A17	Add kiln to art room and provide exhaust.	4	CA	REN	\$4,050.00
	A18	Provide special education wing renovations.	4	CA	REN	\$421,645.50
MECHANICAL						\$2,987,984.70
	M1	Provide/replace IDF/MDF air conditioning.	1	CA	HVAC	\$30,375.00
	M2	Replace exhaust fans.	1	CA	HVAC	\$237,262.50
	M3	Replace central station air handling units frames, bases, and panels.	1	CA	HVAC	\$306,180.00
	M4	Provide DDC controls.	1	CA	HVAC	\$434,565.00
	M5	Replace boiler.	1	CA	HVAC	\$475,848.00
	M6	Replace lined ductwork.	2.1	CA	HVAC	\$1,339,054.20



BALES INTERMEDIATE SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	M7	Provide test and balance of HVAC systems.	2.1	CA	HVAC	\$108,000.00
	M8	Remove abandoned water treatment system.	3	CA	HVAC	\$56,700.00
PLUMBING						\$144,018.00
	P1	Replace hot water heater.	1	CA	PLWH	\$76,518.00
	P2	Remove and replace drinking fountains. (Existing drinking fountains not accessible.)	3	CA	PLF	\$67,500.00
TECHNOLOGY						\$668,250.00
	T1	Provide resilient fiber connection in and out of campus.	2.1	CA	TECHSI	\$40,500.00
	T3	Provide interactive projectors for all special education classrooms.	2.2	DP	AV	\$263,250.00
	T4	Upgrade classroom presentation/AV delivery capabilities to District-wide controlled, dedicated solution.	3	CA	TECHSI	\$364,500.00
	T5	Audit and commission existing sound systems in performance locations.	NA	CA	TECHSI	\$13,500.00
LIFE SAFETY & SECURITY						\$1,623,141.45
	LSS1	Replace fire alarm system. (No audio/visual devices in classroom/offices.)	2.1	CA	FA	\$140,308.88
	LSS1	Replace emergency fixtures (life safety).	2.1	CA	LTG-I	\$223,157.70
	LSS2	Replace intercom system.	2.1	CA	PA	\$140,308.88
	LSS2	Remove and replace exterior hollow metal doors and hardware. (Existing exterior doors are rusted and need to be replaced.)	2.1	CA	DR	\$105,300.00
	LSS2	Provide new/additional cameras.	2.1	CA	SCM	\$85,050.00
	LSS3	Remove and replace existing way-finding site signage.	3	CA	SGN	\$6,750.00
	LSS4	Provide new room graphics and way-finding signage per ADA requirements.	3	CA	SGN	\$16,335.00
	LSS19	Renovate administration area (include vestibule, reception, admin offices, counselor suite, conference room, teacher workroom/lounge, clinic suite, restrooms, etc.).	4	CA	REN	\$905,931.00
ATHLETICS/ACTIVITIES						\$148,500.00
	SP1	Remove gym flooring and replace with mondo flooring. Replace with Mondo sport court, no open weave (include new striping).	3	CA	FLR	\$121,500.00
	SP2	Replace gym wall padding, backboards, goals and supports.	4	CA	MEQ	\$27,000.00
FOOD SERVICE						\$10,125.00
	FS1	Renovate exterior of building to provide trash can and can wash closer to kitchen receiving door. (Presently, employees roll trash cans through school corridors to the trash can.)	3	CA	REN	\$10,125.00

Code	Priority Description
NA	Not Applicable: These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



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WINDSONG INTERMEDIATE SCHOOL



Physical Address:
2100 West Parkwood Avenue
Friendswood, TX 77546

Original Building Completed: 1999
Student Capacity: 650
Total Building Area: 85,723 SF
Total Acreage: 16.9250 Acres
Enrollment (2017-2018): 638



WINDSONG INTERMEDIATE SCHOOL

Site Aerial



WINDSONG INTERMEDIATE SCHOOL

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



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WINDSONG INTERMEDIATE SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$964,440.00
Priority - 2.1	\$4,293,857.60
Priority - 2.2	\$1,721,053.58
Priority - 3	\$6,854,635.35
Priority - 4	\$5,167,433.31

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$769,500.00	\$795,015.00	\$0.00	\$0.00
Building Envelope	\$0.00	\$113,400.00	\$189,000.00	\$0.00	\$2,077,650.00	\$0.00
Architecture	\$0.00	\$0.00	\$662,448.73	\$0.00	\$1,921,198.05	\$1,455,145.20
Mechanical	\$0.00	\$707,940.00	\$1,957,500.00	\$224,494.20	\$1,540,212.30	\$732,375.00
Electrical	\$0.00	\$114,750.00	\$0.00	\$561,235.50	\$148,500.00	\$0.00
Plumbing	\$0.00	\$28,350.00	\$6,075.00	\$0.00	\$0.00	\$0.00
Technology	\$0.00	\$0.00	\$371,250.00	\$0.00	\$1,011,150.00	\$13,500.00
Life Safety & Security	\$0.00	\$0.00	\$311,083.88	\$140,308.88	\$40,500.00	\$1,290,816.00
Athletics/Activities	\$0.00	\$0.00	\$0.00	\$0.00	\$115,425.00	\$7,087.50
Food Service	\$0.00	\$0.00	\$27,000.00	\$0.00	\$0.00	\$1,668,509.62
Priority Totals	\$0.00	\$964,440.00	\$4,293,857.60	\$1,721,053.58	\$6,854,635.35	\$5,167,433.31
				Totals P1		\$964,440.00
				Totals P1+P2.1+P2.2		\$6,979,351.18
				Totals P1+P2.1+P2.2+P3		\$13,833,986.53
				Totals P1+P2.1+P2.2+P3+P4		\$19,001,419.84
				Totals MP		\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



WINDSONG INTERMEDIATE SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$1,564,515.00
	C1	Provide additional paving for parking and stacking - 38,000 sqft.	2.1	CA	SPN	\$769,500.00
	C2	Remove and replace concrete pavement including broken/missing curbs and concrete drive. Regrade where necessary.	2.2	CA	SPN	\$787,725.00
	C3	Remove and replace broken/cracked concrete sidewalk.	2.2	CA	SPR	\$7,290.00
BUILDING ENVELOPE						\$2,380,050.00
	B1	Remove and replace existing thru-wall at the roof.	1	CA	WRE	\$113,400.00
	B2	Remove and replace skylight with polycarbonate skylight.	2.1	CA	RFR	\$40,500.00
	B3	Raise weeps in exterior.	2.1	CA	WRE	\$121,500.00
	B4	Replace exterior waterproofing/sealant joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	2.1	CA	WS	\$27,000.00
	B5	Replace existing coated single ply roof system per District standards.	3	CA	RFR	\$2,077,650.00
ARCHITECTURE						\$4,038,791.98
	A1	Repair cracks in wall at production. Coordinate with structural for underlying issues.	2.1	CA	WRI	\$25,240.38
	A2	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable).	2.1	PQI	FLR	\$556,653.84
	A3	Remove vinyl on exterior wall. Patch and paint.	2.1	CA	INT	\$80,554.50
	A4	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	3	CA	CLG	\$392,864.85
	A5	Provide work station carrel for life skills.	3	DP	FURN	\$13,665.39
	A6	Provide movable shelving on casters. (Currently do not have any movable shelving.)	3	CA	FURN	\$93,515.39
	A7	Provide new flexible "next gen" furniture at all classrooms per District standards.	3	CA	FURN	\$194,400.00
	A8	Replace vinyl wall covering in corridor.	3	CA	INT	\$172,773.00
	A9	Replace teaching surfaces (marker boards, tack boards, etc.) at each classroom.	3	CA	MBTB	\$60,750.00
	A10	Paint all previously painted interior surfaces. Repair/patch walls prior to painting. Paint campus including gymnasium.	3	CA	PTG	\$196,432.43
	A11	Renovate pod cores for collaboration. Provide collaboration space(s) per District standards. Provide one collaboration area per grade level.	3	CA	REN	\$688,257.00
	A12	Add acoustical baffles for music room.	3	CA	ACO	\$20,250.00
	A13	Provide tech office for storage of technology. Assume 300 SF.	3	PQI	ADD	\$88,290.00
	A14	Provide new/additional acoustical treatment at gyms.	4	CA	ACO	\$47,250.00
	A15	Provide additional storage for all departments. Assume 1000 SF.	4	PQI	ADD	\$410,859.62
	A16	Provide instrument casework storage for brass.	4	PQI	CWK	\$21,660.57
	A17	Replace educational casework in all classrooms (excluding science labs) casework per district standards (include counter tops, workstations and ADA accessible sinks).	4	CA	CWK	\$506,250.00
	A19	Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.).	4	CA	REN	\$469,125.00
MECHANICAL						\$5,162,521.50
	M1	Provide DDC controls.	1	CA	HVAC	\$434,565.00
	M2	Provide dedicated air conditioning unit for the MDF.	1	CA	HVAC	\$23,625.00



WINDSONG INTERMEDIATE SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	M3	Replace all roof-mounted supply, exhaust, and kitchen fans and hoods.	1	DP	HVAC	\$101,250.00
	M4	Replace heating boiler. Manufactured by Rite (1998).	1	CA	HVAC	\$148,500.00
	M5	Replace constant volume boxes and re-design (include ductwork and coordinate ceiling replacement with architect). Issue: a typical terminal unit serves two classrooms. Staff note that the building stays too cold most of the time.	2.1	CA	HVAC	\$1,957,500.00
	M6	Replace all chilled and heating water control valves and actuators.	2.2	DP	HVAC	\$224,494.20
	M7	Replace heating water pump.	3	CA	HVAC	\$33,750.00
	M8	Replace chilled water pumps.	3	CA	HVAC	\$47,250.00
	M9	Replace chilled and heating water piping.	3	CA	HVAC	\$336,741.30
	M10	Replace central station air handling units. Current system: Single duct VAV with hot water heating coils in fan powered boxes.	3	DP	HVAC	\$1,122,471.00
	M11	Replace air cooled chillers (2). Manufactured by Trane (2012).	4	CA	HVAC	\$732,375.00
ELECTRICAL						\$824,485.50
	E1	Replace Siemens main electrical panel and provide short circuit analysis and coordination study. (According to district personnel, current electrical panel is 20-25 years old and has never worked properly.)	1	DP	ED	\$114,750.00
	E2	Provide interior lighting controls. No occupancy sensors present.	2.2	CA	LTG-I	\$280,617.75
	E3	Replace interior lights with LED lighting. (Currently T8 fluorescent.)	2.2	CA	LTG-I	\$280,617.75
	E4	Replace parking lot lighting with LED. (Currently HID.)	3	CA	LTG-E	\$148,500.00
PLUMBING						\$34,425.00
	P1	Replace domestic hot water heater and storage tank in central plant. (Note: the hot water service to the lavatories has been disabled.)	1	CA	PLDW	\$28,350.00
	P2	Address issues with underslab sanitary piping, and with sewer gas escaping into building from within wall.	2.1	DP	PLSS	\$6,075.00
TECHNOLOGY						\$1,395,900.00
	T1	Provide resilient fiber connection in and out of campus.	2.1	CA	TECHSI	\$40,500.00
	T2	Provide interactive projectors for all special education classrooms.	2.1	DP	AV	\$263,250.00
	T5	Replace local sound in gym.	2.1	CA	AV	\$67,500.00
	T6	Upgrade classroom presentation/AV delivery capabilities to district-wide controlled, dedicated solution.	3	CA	TECHSI	\$364,500.00
	T7	Provide projectors in each classroom.	3	DP	AV	\$32,400.00
	T8	Provide iPad for every two students.	3	DP	MEQ	\$33,750.00
	T9	Provide interactive televisions in each classroom.	3	DP	MEQ	\$40,500.00
	T10	Provide chromebook for every K2+ student.	3	DP	MEQ	\$540,000.00
	T11	Provide new ipad/devices and place to charge devices.	4	DP	MEQ	\$13,500.00
LIFE SAFETY & SECURITY						\$1,782,708.75
	LSS1	Migrate fire alarm to district wide standard voice evacuation system.	2.1	CA	FA	\$140,308.88
	LSS2	Provide new way-finding site signage.	2.1	CA	SGN	\$6,750.00
	LSS3	Add security camera at bike rack.	2.1	DP	SCM	\$2,025.00
	LSS4	Provide new IP security camera system. (Also would like coverage of side front entrance door(opposite the main parking lot).	2.1	CA	SCM	\$162,000.00
	LSS3	Replace intercom system.	2.2	CA	PA	\$140,308.88
	LSS4	Provide decorative planters at all windows along cafeteria/driveway. (Currently no protection from driveway.)	3	PQI	SF	\$40,500.00
	LSS5	Provide new room graphics and way-finding signage per ADA requirements.	4	CA	SGN	\$16,335.00



WINDSONG INTERMEDIATE SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	LSS18	Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system.	4	CA	DR	\$368,550.00
	LSS20	Renovate administration area per District standards (include vestibule, reception, admin offices, counselor suite, conference room, teacher workroom/lounge, clinic suite, restrooms, etc.).	4	CA	REN	\$905,931.00
ATHLETICS/ACTIVITIES						\$122,512.50
	SP1	Refinish/replace gym flooring (include new striping). Replace with Mondo sports floor. Replace flooring to be ERT (enhanced resilient tile).	3	CA	FLR	\$115,425.00
	SP2	Replace gym wall padding, backboards, goals and supports.	4	CA	MEQ	\$7,087.50
FOOD SERVICE						\$1,695,509.62
	FS1	Replace kitchen cooler and freezer condensing units (located on the roof).	2.1	DP	HVAC	\$27,000.00
	FS2	Renovate and expand existing kitchen. to 3100 Sq. Ft. FDP Standard is 3100 Sq. Ft. for average enrollment of 750 students. (Current enrollment is 630 students.If enrollment grows above 1200 students); Minimum recommended is 3300 Sq. Ft.	4	CA	REN	\$1,668,509.62

Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.

CLINE

ELEMENTARY SCHOOL



Physical Address:
505 Briar Meadow Avenue
Friendswood, TX 77546

Original Building Completed: 1975
Student Capacity: 850
Total Building Area: 83,204 SF
Total Acreage: 11.389 Acres
Enrollment (2017-2018): 990



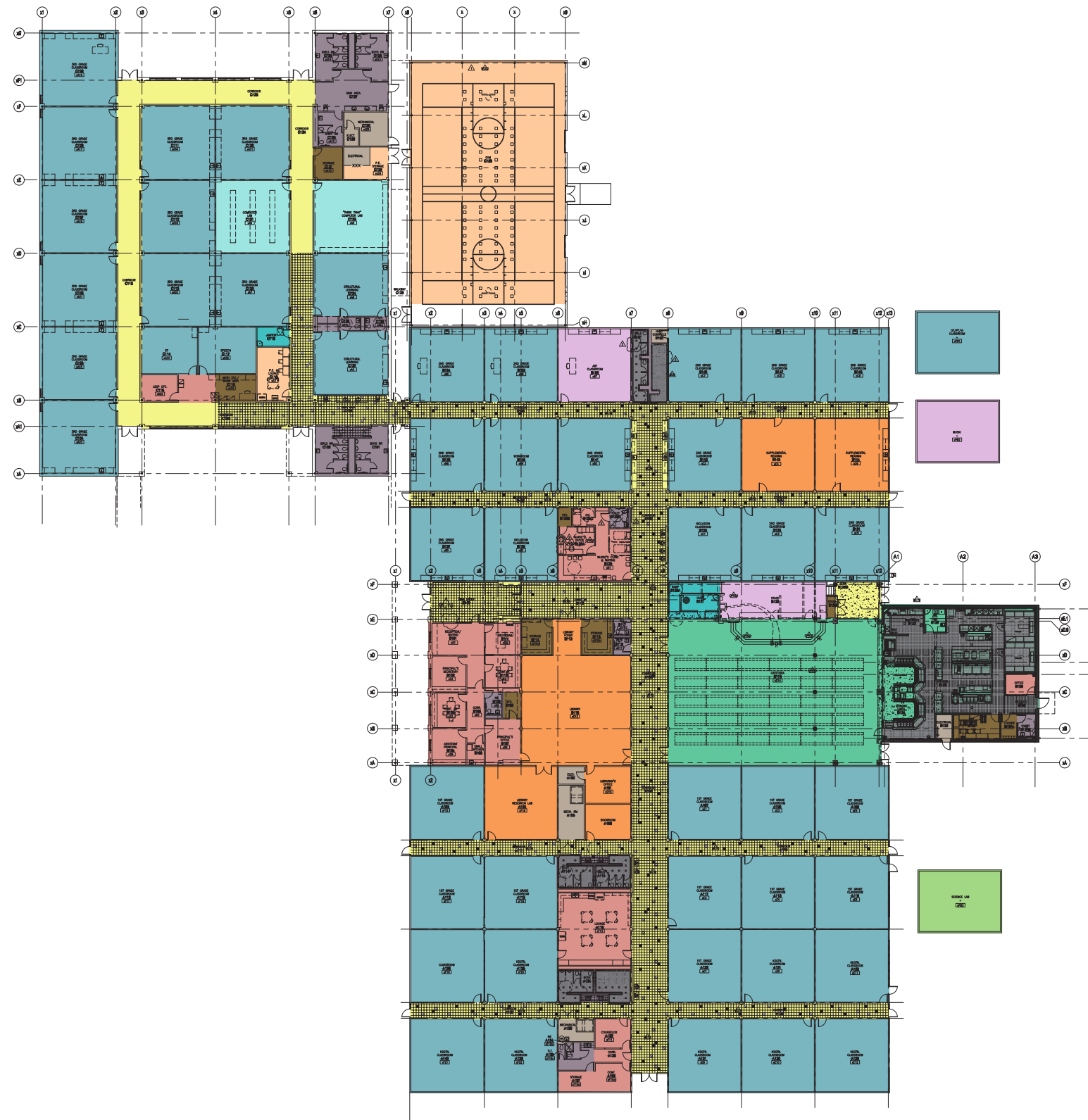
CLINE ELEMENTARY SCHOOL

Site Aerial



CLINE ELEMENTARY SCHOOL

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



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CLINE ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$9,206,654.04
Priority - 2.1	\$3,652,601.61
Priority - 2.2	\$1,346,591.16
Priority - 3	\$2,447,186.54
Priority - 4	\$649,855.76

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$39,709.62	\$112,083.66	\$587,250.00	\$0.00
Building Envelope	\$0.00	\$2,425,680.00	\$81,675.00	\$0.00	\$0.00	\$40,500.00
Architecture	\$0.00	\$1,493,007.31	\$1,955,159.49	\$438,750.00	\$1,288,211.54	\$467,605.76
Mechanical	\$0.00	\$2,332,327.50	\$726,232.50	\$0.00	\$0.00	\$0.00
Electrical	\$0.00	\$1,025,325.00	\$0.00	\$789,007.50	\$0.00	\$0.00
Plumbing	\$0.00	\$656,100.00	\$0.00	\$0.00	\$0.00	\$0.00
Technology	\$0.00	\$40,500.00	\$31,050.00	\$0.00	\$571,725.00	\$0.00
Life Safety & Security	\$0.00	\$1,233,714.23	\$818,775.00	\$0.00	\$0.00	\$141,750.00
Food Service	\$0.00	\$0.00	\$0.00	\$6,750.00	\$0.00	\$0.00
Priority Totals	\$0.00	\$9,206,654.04	\$3,652,601.61	\$1,346,591.16	\$2,447,186.54	\$649,855.76

Totals P1	\$9,206,654.04
Totals P1+P2.1+P2.2	\$14,205,846.80
Totals P1+P2.1+P2.2+P3	\$16,653,033.34
Totals P1+P2.1+P2.2+P3+P4	\$17,302,889.10
Totals MP	\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



CLINE ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$739,043.27
	C1	Remove and replace broken and/or missing concrete curbs.	2.1	CA	SPR	\$39,709.62
	C2	Reset inlet to grade.	2.2	CA	SD	\$6,750.00
	C3	Remove and replace concrete sidewalks (including hard surface play area).	2.2	CA	SPR	\$105,333.66
	C4	Remove and replace concrete parking lot.	3	CA	SPR	\$587,250.00
BUILDING ENVELOPE						\$2,547,855.00
	B1	Replace existing canopies with new.	1	CA	CNPY	\$280,800.00
	B2	Replace existing r panel roof system per District standards.	1	CA	RFR	\$154,305.00
	B3	Replace existing built up roof system per District standards.	1	CA	RFR	\$1,968,300.00
	B4	Tuck point cracked tilt wall where structural repair took place.	1	CA	WRE	\$2,025.00
	B5	Replace exterior waterproofing/sealant joints (include all exterior tilt wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	1	CA	WS	\$20,250.00
	B6	Replace outdated exterior windows with new energy efficient window assembly per District standards.	2.1	CA	WDW	\$81,675.00
	B7	Provide skylight in library.	4	DP	REN	\$40,500.00
ARCHITECTURE						\$5,642,734.10
	A6	Provide additional parking and parent stacking. Current parking and stacking is a major issue.	1	CA	SPN	\$698,625.00
	A7	Provide storage in gymnasium.	1	CA	ADD	\$88,290.00
	A8	Provide building addition for students and faculty restrooms. Assume 800 SF.	1	CA	ADD	\$255,192.31
	A9	Provide additional storage. Currently do not have adequate storage for all departments. Assume 1000 SF addition.	1	CA	ADD	\$294,300.00
	A11	Provide accessible egress from gymnasium.	1	CA	REN	\$156,600.00
	A4	Provide acoustical treatment in classrooms (for original building). Existing sound issues.	2.1	CA	ACO	\$121,500.00
	A12	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility. Provide/add ceiling in the corridors.	2.1	CA	CLG	\$387,870.53
	A13	Replace educational casework in all classrooms (excluding science labs). Include counter tops, workstations and ADA accessible sinks. Existing casework is original and needs replacement.	2.1	CA	CWK	\$380,025.00
	A15	Replace carpet/vinyl composite tile (VCT) and base throughout facility (include ACM abatement where applicable).	2.1	PQI	FLR	\$435,947.45
	A16	Paint all previously painted interior surfaces. Repair/patch walls prior to painting.	2.1	CA	PTG	\$193,935.26
	A18	Renovate restrooms to ensure ADA accessibility and adequate number of toilets (include new wall and floor finishes, fixtures, toilet partitions etc.). Currently have one commode for men and one for women. The kindergartners have two urinals / two commodes for 240 kids.	2.1	PQI	REN	\$435,881.25
	A19	Provide new/additional acoustical treatment at gyms.	2.2	CA	ACO	\$47,250.00
	A20	Renovate library into learning center.	2.2	CA	REN	\$391,500.00
	A21	Provide new flexible "next gen" furniture at all classrooms per District standards.	3	CA	FURN	\$259,200.00
	A22	Replace teaching surfaces (marker boards, tack boards, etc.) at each classroom.	3	CA	MBTB	\$81,000.00
	A23	Provide glass wall to make a quiet space in corner of library.	3	DP	REN	\$16,875.00
	A24	Provide storefront glass windows in library.	3	CA	REN	\$50,261.54



CLINE ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A25	Renovate cafeteria (include acoustical treatment, lighting, sound system, etc.). Float cafeteria floor to align with addition. Existing floor is uneven. Provide porcelain tile floors in cafeteria. Create space for adults to visit with child separate from students.	3	CA	REN	\$880,875.00
	A26	Provide new covered basketball playground.	4	CA	ADD	\$243,000.00
	A27	Replace stage curtains (include front, valance, etc.).	4	CA	MEQ	\$20,250.00
	A28	Provide a new outdoor learning space.	4	CA	REN	\$204,355.76
	A30	Provide building addition for additional classrooms, conference, and collaboration space(s) per District standards. Provide students and faculty restroom addition. Currently 200 students are using three stalls. Provide one collaboration area per grade level.	NA	CA	ADD	\$2,397,770.01
	A31	Renovate corridor widths for egress. Existing corridor width too narrow.	NA	CA	REN	\$2,544,750.00
MECHANICAL						\$3,058,560.00
	M1	Provide new HVAC unit (mini-split for MDF closet).	1	CA	HVAC	\$30,375.00
	M2	Provide commissioning of MEP systems.	1	CA	HVAC	\$54,000.00
	M3	Replace all Area A fan coil units including drain pipes.	1	CA	HVAC	\$97,875.00
	M4	Provide test and balance of HVAC systems.	1	CA	HVAC	\$108,000.00
	M5	Replace rooftop DX units.	1	CA	HVAC	\$124,200.00
	M6	Replace exhaust fans.	1	CA	HVAC	\$187,312.50
	M7	Provide DDC controls.	1	CA	HVAC	\$434,565.00
	M8	Replace lined ductwork.	1	CA	HVAC	\$1,296,000.00
	M9	Provide VFD on chilled water pumps.	2.1	CA	HVAC	\$23,625.00
	M10	Replace the six gas heaters in gymnasium. Remove for gymnasium addition. Existing heaters need replacement.	2.1	PQI	HVAC	\$52,650.00
	M11	Replace chilled water pumps.	2.1	CA	HVAC	\$68,229.00
	M12	Replace air cooled chiller.	2.1	CA	HVAC	\$217,822.50
	M13	Replace boiler.	2.1	CA	HVAC	\$363,906.00
ELECTRICAL						\$1,814,332.50
	E1	Replace service entrance switchgear.	1	CA	ED	\$443,475.00
	E2	Replace secondary switchgear.	1	CA	ED	\$581,850.00
	E3	Provide exterior lighting controls.	2.2	CA	LTG-E	\$17,482.50
	E4	Replace exterior lights with LED lighting.	2.2	CA	LTG-E	\$103,275.00
	E5	Provide interior lighting controls.	2.2	CA	LTG-I	\$162,000.00
	E6	Replace interior lights with LED lighting.	2.2	CA	LTG-I	\$432,000.00
	E7	Replace stage lighting.	2.2	CA	MEQ	\$74,250.00
PLUMBING						\$656,100.00
	P1	Replace hot water piping (domestic).	1	CA	PLDW	\$114,750.00
	P2	Replace cold water piping (domestic).	1	CA	PLDW	\$141,750.00
	P3	Replace grease trap.	1	CA	PLGT	\$95,850.00
	P4	Replace waste piping.	1	CA	PLSS	\$303,750.00
TECHNOLOGY						\$643,275.00
	T1	Provide resilient fiber connection in and out of campus.	1	CA	TECHSI	\$40,500.00
	T2	Provide cable trays for exposed data cabling. Existing data cabling is exposed.	2.1	CA	REN	\$10,800.00



CLINE ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T5	Provide power and data in library.	2.1	DP	TECH	\$20,250.00
	T6	Provide chromebook for every K2+ student.	3	DP	MEQ	\$54,000.00
	T7	Upgrade classroom presentation AV delivery capabilities to district-wide controlled, dedicated solution.	3	CA	TECHSI	\$437,400.00
	T8	Provide iPad for every two students.	3	DP	MEQ	\$675.00
	T9	Provide built in charging cabinet for ipads in library.	3	DP	MEQ	\$6,750.00
	T10	Provide projectors in each classroom.	3	DP	AV	\$32,400.00
	T11	Provide interactive televisions in each classroom.	3	DP	MEQ	\$40,500.00
LIFE SAFETY & SECURITY						\$2,194,239.23
	LSS1	Replace fire alarm to district wide standard voice evacuation system.	1	CA	FA	\$138,525.19
	LSS2	Replace and add emergency lighting system. Currently some areas not well lit and bathrooms don't have emergency lighting.	1	PQI	LTG-I	\$4,320.00
	LSS2	Add security film to the interior access controlled storefront door(s) and window(s) at the front entry secure vestibule and to the doors and adjacent windows at all other secondary building entrances.	1	CA	SEC	\$7,211.54
	LSS3	Replace intercom system. Old system, needs to be replaced.	1	PQI	PA	\$138,525.19
	LSS3	Replace exterior gates at gymnasium to alleviate dead end corridor.	1	CA	SF	\$1,350.00
	LSS4	Replace intrusion alarm system. Existing is aging system with contact points at doors failing. System does not always reset / arm without "bypassing".	1	PQI	SIA	\$33,750.00
	LSS4	Provide secure kinder and first grade access to playground. Currently kids cross service drive to access playground.	1	CA	SF	\$9,582.31
	LSS5	Replace site fencing with 6'-0" fence. Currently need higher fence.	1	PQI	SF	\$122,850.00
	LSS10	Renovate administration area per District standards (include vestibule, reception, admin offices, counselor suite, conference room, teacher workroom/lounge, clinic suite, restrooms, etc.). Currently the campus is not equipped with adequate administrative and workroom spaces. The offices are too small, too close together, and ARD room is too small to accommodate larger meetings.	1	PQI	REN	\$777,600.00
	LSS3	Provide new/additional cameras.	2.1	CA	SCM	\$85,050.00
	LSS5	Provide fire separation between original building and 1980s addition. Currently no fire separation. Construct rated wall.	2.1	CA	ADD	\$324,000.00
	LSS6	Provide entry enhancements including way-finding elements as required.	2.1	CA	REN	\$6,750.00
	LSS7	Provide new way-finding site signage.	2.1	CA	SGN	\$6,750.00
	LSS8	Provide new room graphics and way-finding signage per ADA requirements (excluding restrooms).	2.1	CA	SGN	\$13,500.00
	LSS14	Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system. Existing interior doors do not close/lock properly. Would prefer door hardware to have push button locking mechanism from the inside for safety (lock downs). Currently many teachers need to lock with a key.	2.1	PQI	DR	\$277,425.00
	LSS17	Remove and replace all exterior doors and hardware. Re-key entire facility per new District "grand master" keying system. Current security issue with students holding doors open and rusted hollow metal doors.	2.1	PQI	DR	\$105,300.00
	LSS9	Provide fire sprinkler system. Only a portion of existing building has a sprinkler system.	4	PQI	FSPR	\$141,750.00
FOOD SERVICE						\$6,750.00
	FS1	Replace disposers at preparation and warewash.	2.2	CA	MEQ	\$6,750.00

CLINE ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
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Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



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WESTWOOD ELEMENTARY SCHOOL



Physical Address:
506 West Edgewood Drive
Friendswood, TX 77546

Original Building Completed: 1968
Student Capacity: 710
Total Building Area: 72,208 SF
Total Acreage: 19.1550 Acres
Enrollment (2017-2018): 459



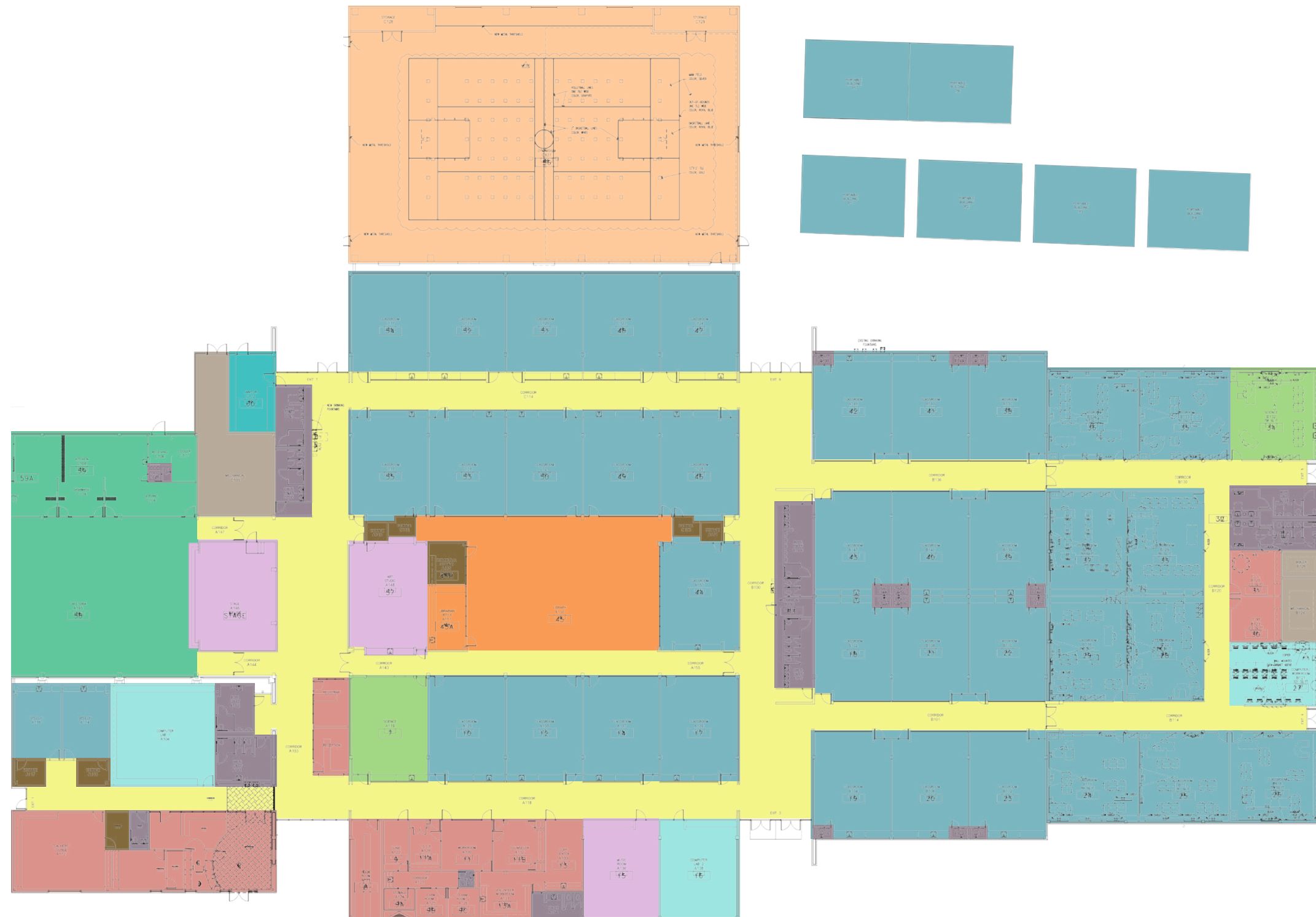
WESTWOOD ELEMENTARY SCHOOL

Site Aerial



WESTWOOD ELEMENTARY SCHOOL

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



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WESTWOOD ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$3,209,827.50
Priority - 2.1	\$4,650,157.57
Priority - 2.2	\$2,593,933.20
Priority - 3	\$1,508,290.89
Priority - 4	\$3,622,147.15

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$0.00	\$1,585,912.50	\$0.00	\$0.00
Building Envelope	\$0.00	\$224,100.00	\$0.00	\$16,875.00	\$0.00	\$33,750.00
Architecture	\$0.00	\$0.00	\$401,963.85	\$991,145.70	\$367,365.39	\$372,182.69
Mechanical	\$0.00	\$1,960,402.50	\$3,234,330.00	\$0.00	\$715,000.50	\$0.00
Electrical	\$0.00	\$1,025,325.00	\$282,757.50	\$0.00	\$0.00	\$0.00
Plumbing	\$0.00	\$0.00	\$256,500.00	\$0.00	\$0.00	\$0.00
Technology	\$0.00	\$0.00	\$87,750.00	\$0.00	\$74,250.00	\$0.00
Life Safety & Security	\$0.00	\$0.00	\$386,856.22	\$0.00	\$351,675.00	\$1,634,526.00
Athletics/Activities	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$120,150.00
Food Service	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,461,538.46
Priority Totals	\$0.00	\$3,209,827.50	\$4,650,157.57	\$2,593,933.20	\$1,508,290.89	\$3,622,147.15

Totals P1	\$3,209,827.50
Totals P1+P2.1+P2.2	\$10,453,918.27
Totals P1+P2.1+P2.2+P3	\$11,962,209.15
Totals P1+P2.1+P2.2+P3+P4	\$15,584,356.30
Totals MP	\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



WESTWOOD ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$1,585,912.50
	C1	Rework parking stacking and parking lot striping. Study right-of-way to alleviate traffic on 2351.	2.2	CA	SPN	\$1,012,500.00
	C2	Remove and replace broken and/or cracked concrete sidewalks (including hard surface play area).	2.2	CA	SPR	\$16,537.50
	C3	Remove and replace all concrete pavement including broken/missing curbs.	2.2	CA	SPR	\$556,875.00
	C14	Remove and replace asphalt drive.	NA	CA	SPR	\$30,375.00
	C15	Remove and replace asphalt parking.	NA	CA	SPR	\$526,500.00
BUILDING ENVELOPE						\$274,725.00
	B1	Replace existing built up roof system per District standards. Provide tapered insulation to provide positive drainage.	1	CA	RFR	\$224,100.00
	B2	Replace gutters and provide additional gutters at front entry.	2.2	PQI	CNPY	\$16,875.00
	B3	Replace exterior waterproofing/sealant joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	4	CA	WS	\$33,750.00
ARCHITECTURE						\$2,132,657.63
	A4	Replace educational casework in all classrooms (excluding science labs) casework per district standards (include counter tops, workstations and ADA accessible sinks). Existing casework is 50 years old and cabinets have been painted over multiple times.	2.1	CA	CWK	\$135,000.00
	A5	Remove and replace all exterior doors.	2.1	PQI	DR	\$83,700.00
	A6	Paint all previously painted interior surfaces. Repair/patch walls prior to painting. To be done in conjunction with ceiling replacement.	2.1	PQI	PTG	\$183,263.85
	A7	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable).	2.2	CA	FLR	\$366,527.70
	A8	Provide updated kitchen finishes. Replace wall & floor finishes.	2.2	CA	OTH	\$354,111.75
	A9	Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.). Only gang restrooms. Renovate all restrooms including staff restrooms (in progress). Remove all restroom vinyl laminate and replace with epoxy floors. Remove and replace restroom mirrors, light fixtures, plumbing, and add exhaust.	2.2	CA	REN	\$270,506.25
	A10	Provide new/additional acoustical treatments at stage per District standards (includes wall acoustics, window treatment, ceiling treatment, door sound seals, etc.). Add accessible ramp, refinish floor, new stage lighting and in-floor power. Add sound panels.	3	CA	ACO	\$33,750.00
	A11	Remove and replace exterior overhead door. Existing overhead door in gymnasium is rusted.	3	PQI	DR	\$8,100.00
	A12	Provide work station carrel for life skills.	3	DP	FURN	\$13,665.39
	A13	Provide new flexible "next gen" furniture at all classrooms per District standards.	3	CA	FURN	\$237,600.00
	A14	Replace teaching surfaces (marker boards, tack boards, etc.) at each classroom. Replace all markerboards.	3	CA	MBTB	\$74,250.00
	A15	Provide new/additional acoustical treatment at gyms.	4	CA	ACO	\$47,250.00
	A16	Provide changing area and restroom. Preference to have a changing room and restroom within classroom. Provide ventilation system.	4	DP	REN	\$113,028.84
	A18	Renovate corridor to provide new durable wall surfaces throughout.	4	CA	REN	\$211,903.84
MECHANICAL						\$5,909,733.00
	M1	Provide DDC controls.	1	CA	HVAC	\$433,350.00
	M2	Provide/replace IDF/MDF air conditioning.	1	CA	HVAC	\$30,375.00



WESTWOOD ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	M3	Provide test and balance of HVAC systems.	1	CA	HVAC	\$108,000.00
	M4	Replace exhaust fans.	1	CA	HVAC	\$187,312.50
	M5	Replace split system AC units.	1	CA	HVAC	\$404,865.00
	M6	Replace fan coil units.	1	CA	HVAC	\$796,500.00
	M7	Replace chiller water piping.	2.1	CA	HVAC	\$1,081,080.00
	M8	Replace lined ductwork.	2.1	CA	HVAC	\$1,329,750.00
	M9	Replace heating water piping.	2.1	CA	HVAC	\$823,500.00
	M10	Provide VFD on heating water pumps.	3	CA	HVAC	\$16,875.00
	M11	Provide VFD on chilled water pumps.	3	CA	HVAC	\$23,625.00
	M12	Replace heating water pumps.	3	CA	HVAC	\$61,141.50
	M13	Replace chilled water pumps.	3	CA	HVAC	\$68,229.00
	M14	Replace central station air handling units.	3	CA	HVAC	\$545,130.00
ELECTRICAL						\$1,308,082.50
	E1	Replace service entrance switchgear.	1	CA	ED	\$443,475.00
	E2	Replace secondary switchgear.	1	CA	ED	\$581,850.00
	E3	Provide exterior lighting controls.	2.1	CA	LTG-E	\$17,482.50
	E4	Replace exterior lights with LED lighting.	2.1	CA	LTG-E	\$103,275.00
	E5	Provide interior lighting controls.	2.1	CA	LTG-I	\$162,000.00
PLUMBING						\$256,500.00
	P1	Replace hot water piping.	2.1	CA	PLDW	\$114,750.00
	P2	Replace cold water piping.	2.1	CA	PLDW	\$141,750.00
TECHNOLOGY						\$162,000.00
	T1	Provide resilient fiber connection in and out of campus.	2.1	CA	TECHSI	\$40,500.00
	T2	Provide interactive projectors for all special education classrooms.	2.1	DP	AV	\$47,250.00
	T4	Renovate clock system and provide additional clocks for administration area. Existing clock system needs to be updated.	3	PQI	CLK	\$6,750.00
	T5	Update WiFi for entire campus.	3	PQI	TECHSI	\$54,000.00
	T6	Audit and commission existing sound systems in performance locations/cafeateria. Replace local sound.	3	CA	TECHSI	\$13,500.00
LIFE SAFETY & SECURITY						\$2,373,057.22
	LSS1	Replace fire alarm system with voice evacuation system.	2.1	CA	FA	\$130,902.75
	LSS1	Remove and replace all interior classroom windows. Preferred option is to replace existing butt-joined glass panel windows with framed glass windows with film.	2.1	DP	WDW	\$98,415.00
	LSS2	Provide additional way-finding site signage.	2.1	PQI	SGN	\$6,750.00
	LSS2	Add security film to the interior access controlled storefront door(s) and window(s) at the front entry secure vestibule and to the doors and adjacent windows at all other secondary building entrances.	2.1	CA	SEC	\$11,738.47
	LSS3	Provide new/additional cameras.	2.1	CA	SCM	\$85,050.00
	LSS3	Modify current 4'-0" fencing to be 6'-0" height. Add ornamental fencing for walkway between campuses. Provide vinyl coated chain link (black). Add to areas that currently don't have it (Bales & Music Classroom).	2.1	CA	SF	\$54,000.00
	LSS3	Provide new room graphics and way-finding signage per ADA requirements.	3	DP	SGN	\$14,175.00
	LSS6	Provide an emergency generator for walk-in freezers/coolers, and lighting/exit lights.	3	CA	EG	\$337,500.00



WESTWOOD ELEMENTARY SCHOOL

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	LSS4	Add fire sprinklers.	4	CA	FSPR	\$642,600.00
	LSS17	Renovate administration area per District standards (include vestibule, reception, additional admin offices, counselor suite, conference room, teacher workroom/lounge, clinic suite, restrooms, etc.).	4	CA	REN	\$991,926.00
ATHLETICS/ACTIVITIES						\$120,150.00
	SP1	Refinish/replace gym flooring (include new striping).	4	CA	FLR	\$101,250.00
	SP2	Replace gym wall padding, backboards, goals and supports.	4	CA	MEQ	\$18,900.00
FOOD SERVICE						\$1,461,538.46
	FS1	Renovate and expand existing kitchen to 3100 Sq. Ft. (Current enrollment is 506 students.)	4	CA	REN	\$1,461,538.46

Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.

FACILITY CONDITION ASSESSMENT SUPPORT FACILITIES // KEY MAP





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ADMINISTRATION ANNEX



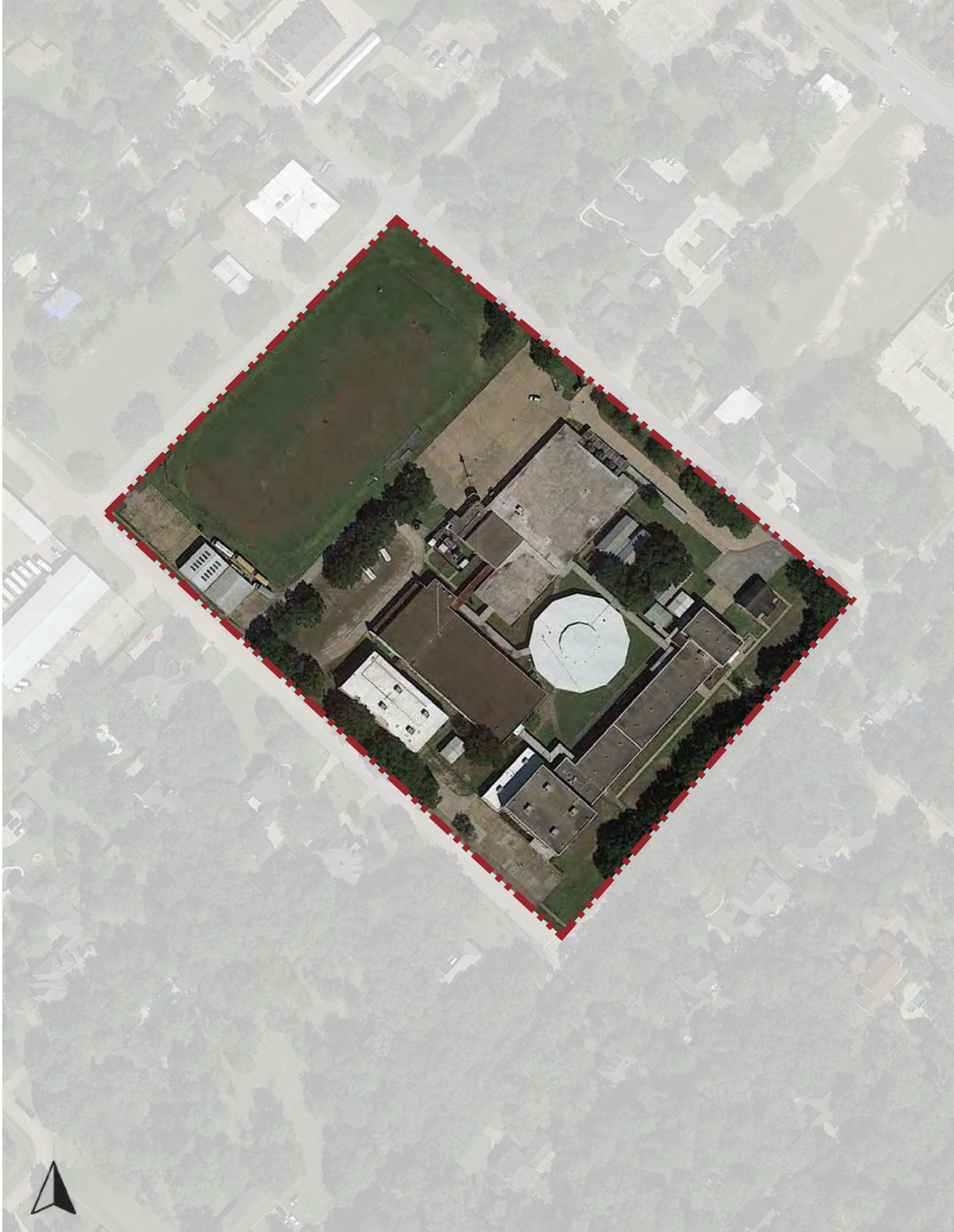
Physical Address:
402 Laurel Drive
Friendswood, TX 77546

Original Building Completed: 1939
Total Building Area: 131,732 SF
Total Acreage: 10.123 Acres



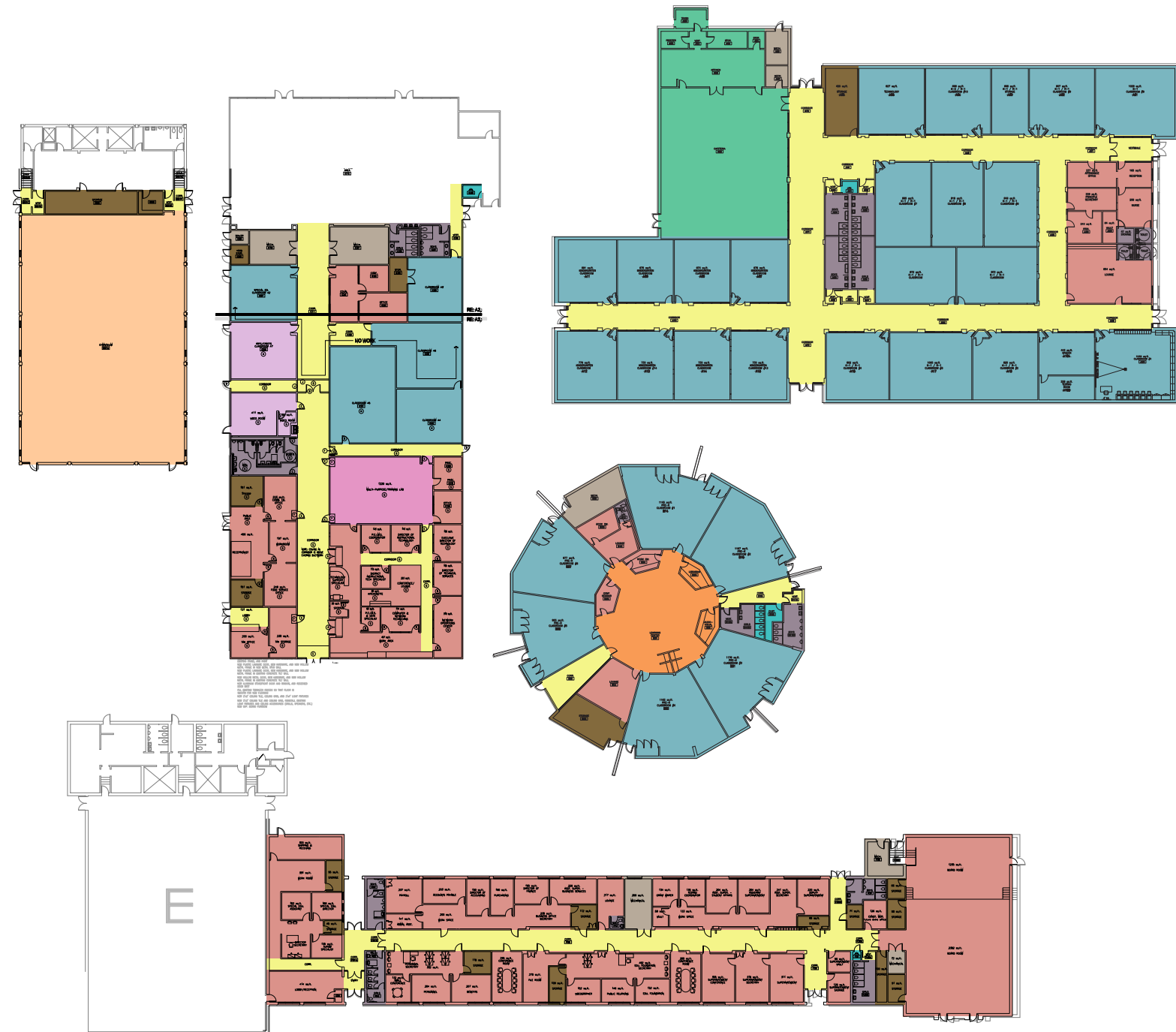
ADMINISTRATION ANNEX

Site Aerial



ADMINISTRATION ANNEX

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



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ADMINISTRATION ANNEX

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$74,250.00
Priority - 2.1	\$3,309,483.49
Priority - 2.2	\$9,897,314.66
Priority - 3	\$2,612,509.20
Priority - 4	\$1,729,267.65

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$0.00	\$1,129,075.97	\$0.00	\$135,000.00
Building Envelope	\$0.00	\$74,250.00	\$656,775.00	\$0.00	\$1,512,000.00	\$0.00
Architecture	\$0.00	\$0.00	\$285,082.20	\$2,914,284.99	\$359,596.80	\$293,760.00
Mechanical	\$0.00	\$0.00	\$592,724.93	\$4,813,446.60	\$0.00	\$374,049.90
Electrical	\$0.00	\$0.00	\$1,419,927.30	\$0.00	\$0.00	\$622,107.00
Plumbing	\$0.00	\$0.00	\$21,600.00	\$611,882.10	\$0.00	\$0.00
Technology	\$0.00	\$0.00	\$0.00	\$0.00	\$44,550.00	\$0.00
Life Safety & Security	\$0.00	\$0.00	\$333,374.06	\$428,625.00	\$696,362.40	\$304,350.75
Priority Totals	\$0.00	\$74,250.00	\$3,309,483.49	\$9,897,314.66	\$2,612,509.20	\$1,729,267.65
			Totals P1			\$74,250.00
			Totals P1+P2.1+P2.2			\$13,281,048.14
			Totals P1+P2.1+P2.2+P3			\$15,893,557.34
			Totals P1+P2.1+P2.2+P3+P4			\$17,622,824.99
			Totals MP			\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



ADMINISTRATION ANNEX

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS CODE	TOTAL COST
CIVIL						\$1,264,075.97
	C1	Remove and replace cracked concrete sidewalk(s).	2.2	CA	SPR	\$102,400.97
	C2	Remove and replace broken concrete drive.	2.2	CA	SPR	\$1,026,675.00
	C3	Provide additional parking per District standards. (Currently not enough parking when training events occur.)	4	PQI	SPN	\$135,000.00
	C4	Provide concrete for bus parking.	NA	CA	SPN	\$0.00
BUILDING ENVELOPE						\$2,243,025.00
	B1	Provide roof maintenance at existing modified bitumen roofs.	1	CA	RFM	\$13,500.00
	B2	Remove and replace existing thru-wall.	1	CA	WRE	\$40,500.00
	B3	Replace exterior waterproofing/sealant joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	1	CA	WS	\$20,250.00
	B4	Replace existing canopies with new.	2.1	CA	CNPY	\$540,000.00
	B5	Replace outdated exterior windows with new energy efficient window assembly per District standards.	2.1	CA	WDW	\$111,375.00
	B6	Repair broken and cracked exterior wall cladding.	2.1	CA	WRE	\$5,400.00
	B7	Board Building: Replace existing built up roof and single ply roof systems per District standards. Provide tapered insulation to provide positive drainage.	3	CA	RFR	\$1,512,000.00
ARCHITECTURE						\$3,852,723.99
	A3	Main Building: Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	2.1	CA	CLG	\$175,732.20
	A8	Main Building: Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.). Men's and women's restrooms have existing marble toilet partitions and urinal trough that need replacement. Existing restroom sinks in wrestling building are not accessible.(Excluding board room restrooms).	2.1	CA	REN	\$109,350.00
	A11	Round Building: Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable).	2.2	CA	FLR	\$59,364.90
	A12	Main Building: Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium and athletic areas (include ACM abatement where applicable). Entire building except board room.	2.2	CA	FLR	\$175,732.20
	A13	Remaining Three Buildings: Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors, auditorium, gymnasium, and athletic areas (include ACM abatement where applicable).	2.2	CA	FLR	\$236,250.00
	A14	Round Building: Paint all previously painted interior surfaces. Repair/patch walls prior to painting. Paint & replace vinyl.	2.2	CA	PTG	\$33,922.80
	A15	Round Building: Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.).	2.2	CA	REN	\$98,381.25
	A16	Remaining Three Buildings: Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.).	2.2	CA	REN	\$329,231.25
	A17	Gymnasium: New wood floors.	2.2	CA	FLR	\$155,769.24
	A18	Gymnasium: Renovate locker rooms.	2.2	CA	REN	\$1,448,550.00
	A19	Round Building: Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	2.2	CA	CLG	\$59,364.90
	A20	Remaining Three Buildings: Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	2.2	CA	CLG	\$317,718.45



ADMINISTRATION ANNEX

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A21	Remaining Four Buildings: Paint all previously painted interior surfaces. Repair/patch walls prior to painting. (Excluding round building). Paint & replace vinyl.	3	CA	PTG	\$281,971.80
	A22	Round Building: Provide lockable storage for teachers and open storage for student projects.	3	DP	CWK	\$67,500.00
	A23	Round Building: Provide work station carrel for life skills.	3	DP	FURN	\$10,125.00
	A24	Provide small conference room and offices for teachers. Provide meeting table for speech teacher with six students. Conference space for six people at least.	4	DP	ADD	\$288,360.00
	A25	Remove and replace ramp/handrails at entrance ramp for accessibility. Existing ramp handrail is non-accessible.	4	CA	RMP	\$5,400.00
MECHANICAL						\$5,780,221.43
	M	Provide DDC controls.	2.1	CA	HVAC	\$434,565.00
	M1	Main Building: Provide HVAC controls upgrade of 90% of campus. Coordinate with equipment replacement.	2.1	CA	HVAC	\$158,159.93
	M2	Cheer Building: Replace boiler. Manufactured by Thermo-Pak.	2.2	CA	HVAC	\$49,950.00
	M3	Old Building: Replace outdoor boiler. Manufactured by Lochinvar (2006).	2.2	CA	HVAC	\$49,950.00
	M4	Old Building: Replace outdoor condensing unit serving indoor AHU. Manufactured by Trane (1997).	2.2	CA	HVAC	\$50,625.00
	M5	Old Building: Replace outdoor condensing unit serving indoor AHU. Manufactured by Trane (2015).	2.2	CA	HVAC	\$50,625.00
	M6	Gymnastics Building: Replace heating water piping.	2.2	CA	HVAC	\$51,300.00
	M7	Old Building: Replace heating water piping.	2.2	CA	HVAC	\$53,676.00
	M8	Gymnastics Building: Replace ductwork serving open space.	2.2	CA	HVAC	\$60,750.00
	M9	Round Building: Replace chilled and heating water piping. Coordinate with ceiling replacement.	2.2	CA	HVAC	\$67,845.60
	M10	Gymnastics Building: Replace large thru-wall ventilation fans.	2.2	CA	HVAC	\$81,000.00
	M11	Gymnastics Building: Replace (2) air handling units serving open space. AHUs are heating only.	2.2	CA	HVAC	\$114,750.00
	M12	Old Building: Replace rooftop unit near gym (1). Manufactured by York (2002).	2.2	CA	HVAC	\$20,250.00
	M13	Cheer Building: Replace chilled and heating water piping.	2.2	CA	HVAC	\$133,920.00
	M14	Replace roof mounted exhaust fans and hoods. Possible increase in restroom exhaust needed. Includes all 5 buildings on site.	2.2	CA	HVAC	\$148,500.00
	M15	Round Building: Replace air cooled chiller. Manufactured by Carrier (2001).	2.2	CA	HVAC	\$165,375.00
	M16	Round Building: Replace fan coil units throughout.	2.2	CA	HVAC	\$169,614.00
	M17	Main Building: Replace chilled and heating water piping. Coordinate with ceiling replacement.	2.2	CA	HVAC	\$200,836.80
	M18	Round Building: Replace ductwork throughout. Coordinate with ceiling replacement.	2.2	CA	HVAC	\$203,536.80
	M19	Cheer Building: Replace air cooled chiller. Manufactured by Trane (2012).	2.2	CA	HVAC	\$212,625.00
	M20	Cheer Building: Replace air handlers. AHU installed in 2012 near Cheer Room to remain.	2.2	CA	HVAC	\$243,135.00
	M21	Main Building: Replace air cooled chiller. Manufactured by Trane (1998).	2.2	CA	HVAC	\$259,875.00
	M22	Gymnastics Building: Replace (4) rooftop units serving open space. RTUs are cooling only. (1998)	2.2	CA	HVAC	\$308,880.00
	M23	Old Building: Replace outdoor condensing unit serving indoor AHU. Manufactured by Carrier. Mounted on the roof.	2.2	CA	HVAC	\$24,975.00



ADMINISTRATION ANNEX

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	M24	Old Building: Replace rooftop units at gym (6). Manufactured by Trane (all 1998).	2.2	CA	HVAC	\$332,640.00
	M25	Main Building: Replace fan coil units throughout. Board Room AHU to remain.	2.2	CA	HVAC	\$429,597.00
	M26	Old Building: Replace ductwork throughout.	2.2	CA	HVAC	\$508,680.00
	M27	Main Building: Replace ductwork throughout. Coordinate with ceiling replacement. Board Room ductwork to remain.	2.2	CA	HVAC	\$602,510.40
	M28	Round Building: Replace boiler. Manufactured by Rite.	2.2	CA	HVAC	\$30,375.00
	M29	Main Building: Replace rooftop unit serving training room.	2.2	CA	HVAC	\$31,050.00
	M30	Main Building: Replace split system serving district NOC. Indoor unit manufactured by York (2010). Outdoor unit manufactured by Dukane (2017).	2.2	CA	HVAC	\$32,400.00
	M31	Gymnastics Building: Replace boiler and associated storage tank. Manufactured by Laars.	2.2	CA	HVAC	\$33,750.00
	M32	Main Building: Replace boiler. Manufactured by Rite.	2.2	CA	HVAC	\$43,200.00
	M33	Gymnastics Building: Replace split system, ductwork, and unit heaters serving locker area.	2.2	CA	HVAC	\$47,250.00
	M34	Remaining Buildings: Provide HVAC Controls upgrade of 90% of campus. Coordinate with equipment replacement.	4	CA	HVAC	\$374,049.90
ELECTRICAL						\$2,042,034.30
	E1	Main Building: Replace 90% of the electrical distribution equipment serving this campus.	2.1	CA	ED	\$271,131.30
	E2	Remaining Buildings: Replace 90% of the electrical distribution equipment serving this campus. (Equipment is original and obsolete.)	2.1	CA	ED	\$577,125.00
	E3	Main Building: Replace exterior lights with LED lighting.	2.1	CA	LTG-E	\$50,625.00
	E4	Replace parking lot lighting with LED. (Staff comment-could use additional lighting, levels are low. Currently HID.)	2.1	CA	LTG-E	\$270,000.00
	E5	Main Building: Provide interior lighting controls. (Currently local switch only.)	2.1	CA	LTG-I	\$125,523.00
	E6	Main Building: Replace interior lights with LED lighting. (Currently fluorescent.)	2.1	CA	LTG-I	\$125,523.00
	E7	Old Building: Replace lighting in gym.	4	CA	LTG-I	\$87,750.00
	E8	Four Remaining Buildings: Provide interior lighting controls.	4	CA	LTG-I	\$267,178.50
	E9	Four Remaining Buildings: Replace interior lights with LED lighting.	4	CA	LTG-I	\$267,178.50
PLUMBING						\$633,482.10
	P1	Main Building: Replace domestic hot water heater. Manufactured by Rheem (2009).	2.1	CA	PLWH	\$21,600.00
	P2	All Five Buildings: Replace domestic water piping throughout. Currently galvanized. Includes all 5 buildings on site.	2.2	CA	PLDW	\$549,782.10
	P3	Cheer Building: Replace domestic hot water heater. Manufactured by State (2010).	2.2	CA	PLWH	\$13,500.00
	P4	Gymnastics Building; Replace domestic water heater.	2.2	CA	PLWH	\$13,500.00
	P5	Round Building: Replace domestic hot water heater. Manufactured by AO Smith.	2.2	CA	PLWH	\$16,200.00
	P6	Old Building: Replace domestic hot water heater. Manufactured by Ruud (2005).	2.2	CA	PLWH	\$18,900.00
	P8	Replace plumbing fixtures (except at Board Room). Coordinate with architectural renovation. Includes all 4 buildings on site (other than Round Building).	NA	CA	PLF	\$0.00
TECHNOLOGY						\$44,550.00
	T2	Provide presentation equipment in training room.	3	PQI	AV	\$20,250.00



ADMINISTRATION ANNEX

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T4	Provide interactive projectors for all special education classrooms.	3	DP	AV	\$24,300.00
LIFE SAFETY & SECURITY						\$1,762,712.21
	LSS1	Main Building: Migrate fire alarm to district wide standard voice evacuation system.	2.1	CA	FA	\$14,099.06
	LSS1	Replace security camera system. Includes all 5 buildings on site.	2.1	CA	SCM	\$94,500.00
	LSS4	Round Building: Remove and replace exterior doors and hardware. Existing special education doors are rusted.	2.1	CA	DR	\$27,000.00
	LSS5	Round Building: Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system. Existing interior doors have return air through doors and need replacement. Existing doors are non-accessible and need hardware replacement.	2.1	CA	DR	\$42,525.00
	LSS6	Main Building: Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system. Existing interior doors have return air through doors and need replacement. Existing doors are non-accessible and need hardware replacement.	2.1	CA	DR	\$117,450.00
	LSS7	Main Building: Remove and replace exterior doors and hardware. Existing special education doors are rusted.	2.1	CA	DR	\$37,800.00
	LSS9	Remaining Three Buildings: Remove and replace exterior doors and hardware. Existing special education doors are rusted.	2.2	CA	DR	\$135,000.00
	LSS10	Remaining Three Buildings: Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system. Existing interior doors have return air through doors and need replacement. Existing doors are non-accessible and need hardware replacement.	2.2	CA	DR	\$293,625.00
	LSS2	Add fire sprinklers. Currently None existing. Includes all 5 buildings on site.	3	CA	FSPR	\$628,322.40
	LSS3	Main Building: Renovate phone system for main board room building. Existing PA system does not reach the Transition Center building.	3	PQI	COMM	\$40,500.00
	LSS3	Provide new room graphics and way-finding signage per ADA requirements. Existing office have signage, but need directional signs.	3	PQI	SGN	\$27,540.00
	LSS4	Four Remaining Buildings: Migrate fire alarm to district wide standard voice evacuation system.	4	CA	FA	\$196,350.75
	LSS5	Remaining Buildings: Renovate phone system for remaining four buildings. Existing PA system does not reach the Transition Center building.	4	PQI	COMM	\$108,000.00

Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



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ADMINISTRATION BUILDING



Physical Address:
302 Laurel Drive
Friendswood, TX 77546

Original Building Completed: 1979
Total Building Area: 11,590 SF
Total Acreage: 2.2730 Acres



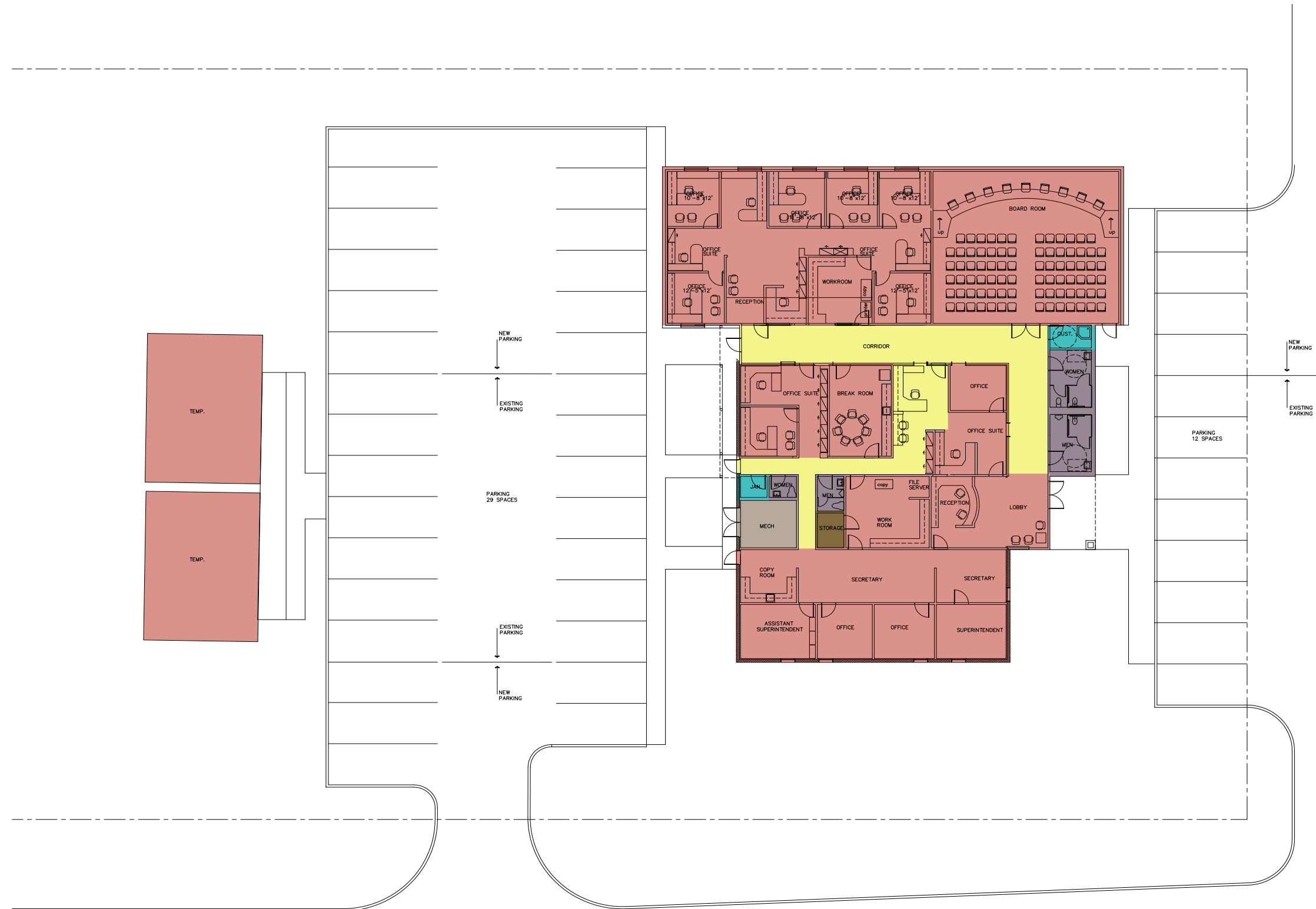
ADMINISTRATION BUILDING

Site Aerial



ADMINISTRATION BUILDING

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



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ADMINISTRATION BUILDING

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$153,225.00
Priority - 2.1	\$1,201,425.08
Priority - 2.2	\$408,430.89
Priority - 3	\$461,769.96
Priority - 4	\$224,430.75

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$0.00	\$167,098.09	\$0.00	\$17,313.75
Building Envelope	\$0.00	\$0.00	\$250,387.20	\$3,375.00	\$44,550.00	\$0.00
Architecture	\$0.00	\$0.00	\$0.00	\$81,000.00	\$241,368.96	\$0.00
Mechanical	\$0.00	\$0.00	\$151,527.38	\$0.00	\$135,351.00	\$162,000.00
Electrical	\$0.00	\$141,750.00	\$121,500.00	\$56,396.25	\$0.00	\$0.00
Plumbing	\$0.00	\$11,475.00	\$39,477.38	\$0.00	\$0.00	\$0.00
Life Safety & Security	\$0.00	\$0.00	\$638,533.13	\$100,561.55	\$40,500.00	\$45,117.00
Priority Totals	\$0.00	\$153,225.00	\$1,201,425.08	\$408,430.89	\$461,769.96	\$224,430.75
			Totals P1			\$153,225.00
			Totals P1+P2.1+P2.2			\$1,763,080.97
			Totals P1+P2.1+P2.2+P3			\$2,224,850.92
			Totals P1+P2.1+P2.2+P3+P4			\$2,449,281.67
			Totals MP			\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.





ADMINISTRATION BUILDING

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$184,411.84
	C1	Replace broken concrete sidewalks. (Remove and regrade where necessary.)	2.2	CA	SPR	\$20,319.24
	C2	Remove and replace visitor parking.	2.2	CA	SPR	\$146,778.84
	C3	Remove and replace existing sidewalks. (Existing sidewalks are not accessible paths; however, the need to update them will come if more than 50% of total original cost is reached in renovation.)	4	CA	SPR	\$17,313.75
BUILDING ENVELOPE						\$298,312.20
	B1	Replace existing single ply roof system per District standards.	2.1	CA	RFR	\$244,312.20
	B2	Repoint cracked bricks in exterior north brick wall.	2.1	CA	WRE	\$6,075.00
	B3	Replace exterior waterproofing/sealant joints to include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc. (Existing moisture at window sill/joints.)	2.2	CA	WS	\$3,375.00
	B4	Replace outdated exterior windows with new energy efficient window assembly per District standards.	3	CA	WDW	\$44,550.00
ARCHITECTURE						\$322,368.96
	A1	Remove and replace all casework. (60% existing casework not accessible.)	2.2	CA	CWK	\$81,000.00
	A4	Provide accessible parking signage. (Existing accessible parking sign are non-compliant.)	3	CA	SGN	\$1,350.00
	A5	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	3	CA	CLG	\$23,686.43
	A6	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors (include ACM abatement where applicable).	3	CA	FLR	\$50,609.50
	A7	Paint all previously painted interior surfaces. Repair/patch walls prior to painting.	3	CA	PTG	\$21,458.60
	A8	Renovate restrooms to ensure ADA accessibility to include new wall and floor finishes, fixtures, toilet partitions etc. (Existing restrooms are not accessible).	3	CA	REN	\$116,610.58
	A9	Provide additional storage. (Currently no adequate storage.)	3	CA	REN	\$24,278.85
	A10	Renovate north and south exterior ramps for accessible slopes and handrails.	3	CA	RMP	\$3,375.00
MECHANICAL						\$448,878.38
	M1	Replace split systems throughout building.	2.1	CA	HVAC	\$87,750.00
	M2	Replace roof mounted exhaust fans and hoods.	2.1	CA	HVAC	\$24,300.00
	M3	Replace HVAC controls throughout building. (Currently local thermostats with separate thermostats for heating.)	2.1	CA	HVAC	\$39,477.38
	M4	Replace ductwork throughout building. Coordinate with ceiling replacement.	3	CA	HVAC	\$135,351.00
	M5	Replace rooftop units.	4	CA	HVAC	\$162,000.00
ELECTRICAL						\$319,646.25
	E1	Replace service entrance panel and electrical panels and transformers in the main electrical room. (Original equipment, obsolete manufacturers, difficult to obtain parts.)	1	CA	ED	\$141,750.00
	E2	Replace building exterior lights with LED.	2.1	CA	LTG-E	\$27,000.00
	E3	Replace parking lot lighting with LED. (Currently HID.)	2.1	CA	LTG-E	\$94,500.00
	E4	Provide interior lighting controls. (Currently local switch only.)	2.2	CA	LTG-I	\$28,198.13
	E5	Replace interior lights with LED lighting.	2.2	CA	LTG-I	\$28,198.13
PLUMBING						\$50,952.38
	P1	Replace building hot water heater. Manufactured by Vanguard (2005).	1	CA	PLWH	\$11,475.00



ADMINISTRATION BUILDING

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	P2	Replace domestic water piping throughout building. (Currently galvanized. Interior of piping is corroding per staff.)	2.1	CA	PLDW	\$39,477.38
LIFE SAFETY & SECURITY						\$824,711.68
	LSS1	Provide an emergency generator. Provide 300 KW to run entire building with sound enclosure. (None existing.) Intended to power entire building. Include sound enclosure.	2.1	CA	ED	\$607,500.00
	LSS2	Migrate fire alarm to district wide standard voice evacuation system.	2.1	CA	FA	\$28,198.13
	LSS3	Provide new room graphics and way-finding signage per ADA requirements. (60%)	2.1	CA	SGN	\$2,835.00
	LSS2	Remove and replace all exterior hollow metal doors and hardware. (Existing exterior hollow metal doors need to be replaced.)	2.2	CA	DR	\$40,830.78
	LSS3	Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system. (Existing interior doors are not accessible.)	2.2	CA	DR	\$59,730.78
	LSS1	Replace phone system (need privacy, through phone; existing phone system only reaches about five phone extensions).	3	PQI	COMM	\$40,500.00
	LSS4	Add fire sprinklers. Coordinate with ceiling replacement. (Currently none existing.)	4	CA	FSPR	\$45,117.00

Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



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AG BARN



Physical Address:
1400 Baker Road
Friendswood, TX 77546

Original Building Completed: 2011
Total Building Area: 9,000 SF
Total Acreage: 8.99 Acres



AG BARN

Site Aerial



AG BARN

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$130,815.00
Priority - 2.1	\$313,773.75
Priority - 2.2	\$11,557.69
Priority - 3	\$431,566.74
Priority - 4	\$321,384.62

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$101,250.00	\$0.00	\$0.00	\$67,500.00
Building Envelope	\$0.00	\$0.00	\$0.00	\$0.00	\$279,450.00	\$0.00
Architecture	\$0.00	\$0.00	\$0.00	\$11,557.69	\$134,431.74	\$253,884.62
Mechanical	\$0.00	\$0.00	\$51,300.00	\$0.00	\$0.00	\$0.00
Electrical	\$0.00	\$96,390.00	\$119,880.00	\$0.00	\$0.00	\$0.00
Plumbing	\$0.00	\$34,425.00	\$0.00	\$0.00	\$0.00	\$0.00
Life Safety & Security	\$0.00	\$0.00	\$41,343.75	\$0.00	\$17,685.00	\$0.00
Priority Totals	\$0.00	\$130,815.00	\$313,773.75	\$11,557.69	\$431,566.74	\$321,384.62

Totals P1	\$130,815.00
Totals P1+P2.1+P2.2	\$456,146.44
Totals P1+P2.1+P2.2+P3	\$887,713.18
Totals P1+P2.1+P2.2+P3+P4	\$1,209,097.80
Totals MP	\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



AG BARN

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$168,750.00
	C1	Regrade Baker St. Entrance, widen the radius, and replace gate. (Will improve turning angle for trailers.) Providing 5,000 sqft of new concrete pavement.	2.1	CA	SF	\$101,250.00
	C2	Regrade the pasture side of property to address drainage issues (Drainage is a major issue and regrading is needed.)	4	PQI	SD	\$67,500.00
BUILDING ENVELOPE						\$279,450.00
	B1	Replace existing metal roof system per District standards.	3	CA	RFR	\$279,450.00
ARCHITECTURE						\$399,874.05
	A1	Remove and replace large overhead coiling door at the front elevation.	2.2	CA	DR	\$11,557.69
	A2	Provide additional storage unit. (Need storage for equipment and tools.)	3	PQI	ADD	\$6,750.00
	A3	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	3	CA	CLG	\$4,375.01
	A5	Replace cow gates/pens with galvanized pipes.	3	PQI	RL	\$89,100.00
	A6	Remove and replace wind curtains along perimeter of building.	3	PQI	WDWC	\$34,206.73
	A7	Provide steps and accessible ramp to the office.	4	CA	LS	\$13,500.00
	A8	Provide greenhouse with accessible restrooms.	4	PQI	ADD	\$240,384.62
MECHANICAL						\$51,300.00
	M1	Provide two large circulation fans in pen areas of main building.	2.1	CA	HVAC	\$51,300.00
ELECTRICAL						\$216,270.00
	E1	Replace existing branch circuits and provide additional at both buildings on site. (Conduit rusting throughout; staff reports tripping breakers when local heaters are used.)	1	CA	ED	\$96,390.00
	E2	Replace building mounted exterior lights with LED at both buildings on site. (Parking area lighting is mounted on building.)	2.1	CA	LTG-E	\$43,200.00
	E3	Provide interior lighting controls at both buildings on site.	2.1	CA	LTG-I	\$29,430.00
	E4	Replace interior lights with wet location rated LED at both buildings on site.	2.1	CA	LTG-I	\$47,250.00
PLUMBING						\$34,425.00
	P1	Replace domestic water serving pens, provide insulation, jacketing, and heat tracing. Provide armored flexible drops to troughs. (Currently PVC.)	1	CA	PLDW	\$34,425.00
LIFE SAFETY & SECURITY						\$59,028.75
	LSS1	Migrate fire alarm to district wide standard voice evacuation system.	2.1	CA	FA	\$18,393.75
	LSS1	Replace security camera system.	2.1	CA	SCM	\$16,200.00
	LSS2	Provide new building identification and site way-finding signage.	2.1	CA	SGN	\$6,750.00
	LSS3	Provide new room graphics and way-finding signage per ADA requirements.	3	CA	SGN	\$810.00
	LSS4	Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system.	3	CA	DR	\$16,875.00

AG BARN

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
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Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



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FRIENDSWOOD ISD

NATATORIUM



Physical Address:
1115 Falling Leaf Drive
Friendswood, TX 77546

Original Building Completed: 2010
Total Building Area: 21,801 SF



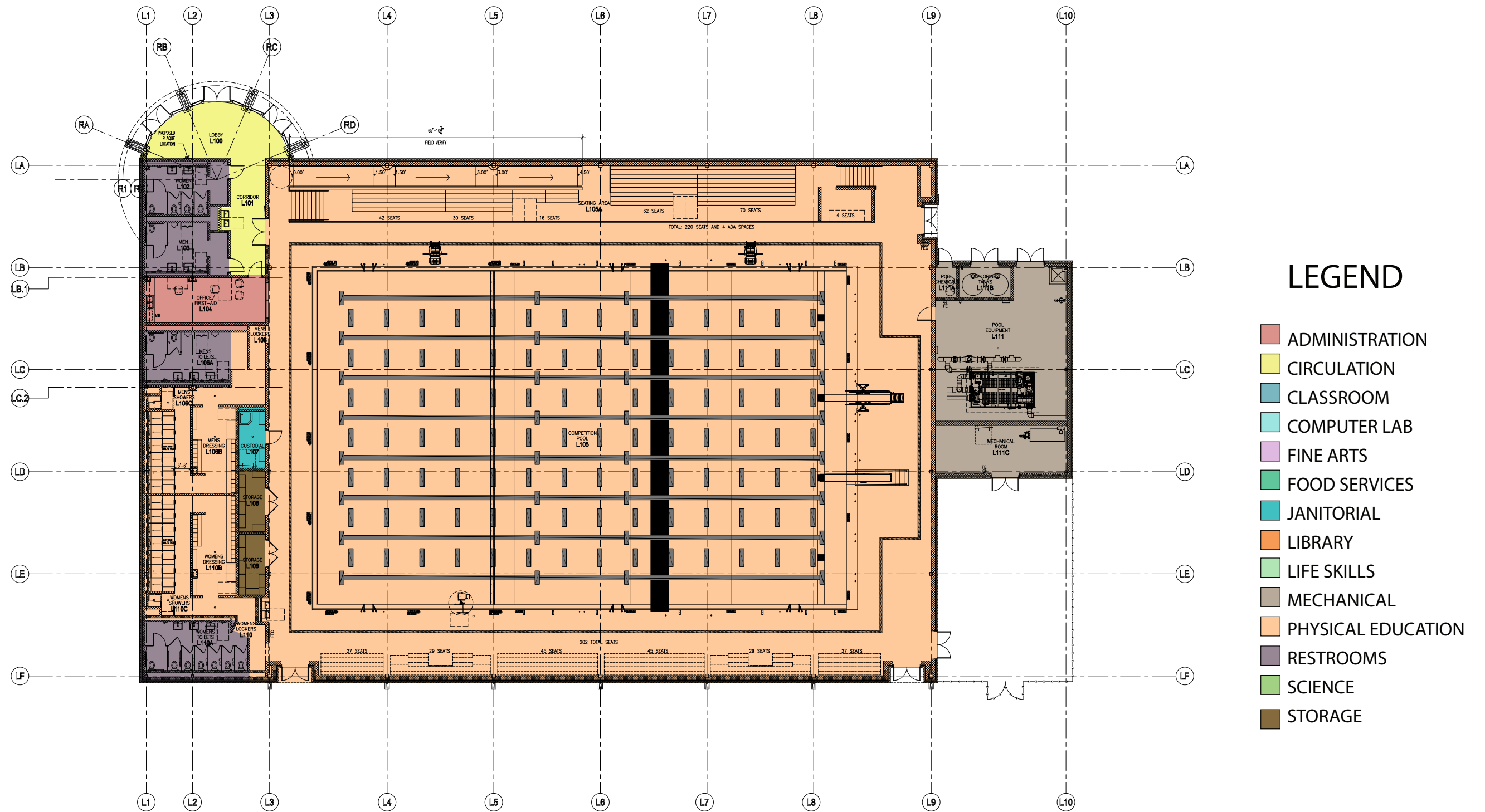
FRIENDSWOOD ISD NATATORIUM

Site Aerial



FRIENDSWOOD ISD NATATORIUM

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE



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FRIENDSWOOD ISD NATATORIUM

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$1,130,625.00
Priority - 2.1	\$456,708.38
Priority - 2.2	\$81,000.00
Priority - 3	\$295,807.95
Priority - 4	\$824,670.45

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$0.00	\$0.00	\$187,312.50	\$0.00
Building Envelope	\$0.00	\$0.00	\$0.00	\$10,125.00	\$0.00	\$558,900.00
Architecture	\$0.00	\$0.00	\$0.00	\$0.00	\$108,495.45	\$243,495.45
Mechanical	\$0.00	\$1,080,000.00	\$54,000.00	\$0.00	\$0.00	\$0.00
Electrical	\$0.00	\$0.00	\$363,960.00	\$0.00	\$0.00	\$0.00
Life Safety & Security	\$0.00	\$0.00	\$38,748.38	\$70,875.00	\$0.00	\$22,275.00
Athletics/Activities	\$0.00	\$50,625.00	\$0.00	\$0.00	\$0.00	\$0.00
Priority Totals	\$0.00	\$1,130,625.00	\$456,708.38	\$81,000.00	\$295,807.95	\$824,670.45

Totals P1	\$1,130,625.00
Totals P1+P2.1+P2.2	\$1,668,333.38
Totals P1+P2.1+P2.2+P3	\$1,964,141.33
Totals P1+P2.1+P2.2+P3+P4	\$2,788,811.78
Totals MP	\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



FRIENDSWOOD ISD NATATORIUM

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$187,312.50
	C1	Provide additional parking. Utilize south side of natatorium.	3	DP	SPN	\$187,312.50
BUILDING ENVELOPE						\$569,025.00
	B1	Replace exterior waterproofing/sealant joints (include all exterior wall control/expansion joints, material transitions, around door and window frames, wall penetrations, etc.).	2.2	CA	WS	\$10,125.00
	B2	Replace existing mod bit roof system per District standards.	4	CA	RFR	\$558,900.00
ARCHITECTURE						\$351,990.90
	A2	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility (offices, corridor, & RR). Fix settling of ceilings at column in boys locker room.	3	CA	CLG	\$108,495.45
	A4	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors and athletic areas (include ACM abatement where applicable).	4	CA	FLR	\$108,495.45
	A5	Renovate restrooms to ensure ADA accessibility (include new wall and floor finishes, fixtures, toilet partitions etc.).	4	CA	REN	\$135,000.00
MECHANICAL						\$1,134,000.00
	M1	Replace pool AHU. Replace compressors (Dectron Unit) on roof that cause noise issues.	1	CA	HVAC	\$1,080,000.00
	M2	Provide four large circulation fans.	2.1	DP	MECH	\$54,000.00
ELECTRICAL						\$363,960.00
	E1	Replace interior lights with LED lighting (currently in-track system).	2.1	CA	LTG-I	\$363,960.00
LIFE SAFETY & SECURITY						\$131,898.38
	LSS1	Replace fire alarm to district wide standard voice evacuation system.	2.1	CA	FA	\$38,748.38
	LSS1	Replace all exterior doors and hardware. (Currently have issues with doors not closing.)	2.2	CA	DR	\$70,875.00
	LSS3	Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system.	4	CA	DR	\$22,275.00
ATHLETICS/ACTIVITIES						\$50,625.00
	SP1	Upgrade electrical board.	1	CA	ED	\$40,500.00
	SP2	Replace unit mixer at pool equipment room.	1	CA	MEQ	\$3,375.00
	SP3	Re-seal piping at pool equipment room.	1	CA	MEQ	\$6,750.00

FRIENDSWOOD ISD NATATORIUM

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
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Code	Priority Description
NA Not Applicable:	These assessment items are not counted in the standard report totals as they are associated with New Construction/Major Project "MP" line items and are listed for reference only.

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



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SUPPORT SERVICES



Physical Address:
400 Woodlawn Drive
Friendswood, TX 77546

Original Building Completed: 2001
Total Building Area: 14,000 SF
Total Acreage: 3.6446 Acres



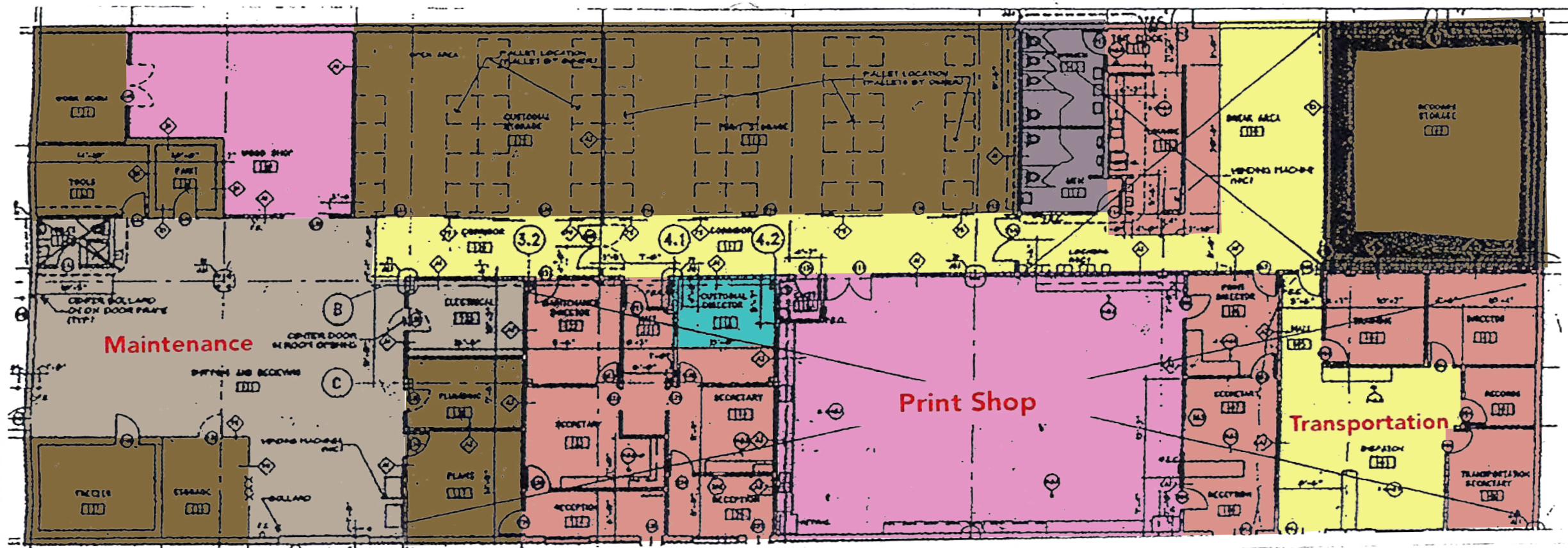
SUPPORT SERVICES

Site Aerial



SUPPORT SERVICES

Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CLASSROOM
- COMPUTER LAB
- FINE ARTS
- FOOD SERVICES
- JANITORIAL
- LIBRARY
- LIFE SKILLS
- MECHANICAL
- PHYSICAL EDUCATION
- RESTROOMS
- SCIENCE
- STORAGE

Maintenance

Print Shop

Transportation



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SUPPORT SERVICES

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

Priority	Total Cost
Priority - 1	\$139,028.85
Priority - 2.1	\$1,482,991.54
Priority - 2.2	\$311,850.00
Priority - 3	\$1,453,350.20
Priority - 4	\$118,260.00

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4
Civil	\$0.00	\$0.00	\$526,500.00	\$0.00	\$0.00	\$0.00
Building Envelope	\$0.00	\$0.00	\$558,900.00	\$0.00	\$605,475.00	\$0.00
Architecture	\$0.00	\$24,278.85	\$0.00	\$0.00	\$681,757.70	\$13,500.00
Mechanical	\$0.00	\$0.00	\$111,915.00	\$36,450.00	\$10,597.50	\$0.00
Electrical	\$0.00	\$0.00	\$210,600.00	\$0.00	\$141,075.00	\$0.00
Plumbing	\$0.00	\$0.00	\$25,515.00	\$0.00	\$0.00	\$0.00
Life Safety & Security	\$0.00	\$114,750.00	\$49,561.54	\$275,400.00	\$14,445.00	\$104,760.00
Priority Totals	\$0.00	\$139,028.85	\$1,482,991.54	\$311,850.00	\$1,453,350.20	\$118,260.00

Totals P1	\$139,028.85
Totals P1+P2.1+P2.2	\$1,933,870.38
Totals P1+P2.1+P2.2+P3	\$3,387,220.58
Totals P1+P2.1+P2.2+P3+P4	\$3,505,480.58
Totals MP	\$0.00

NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items, only the appropriate cost for the scope of work will be included.



SUPPORT SERVICES

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$526,500.00
	C1	Bus Maintenance Facility: Provide additional employee parking and fix paving at bus drive. (Tennis courts will be removed and new parking will be installed. One option to postpone cost is to remove the fences around tennis courts and park on tennis courts.)	2.1	CA	SPN	\$526,500.00
BUILDING ENVELOPE						\$1,164,375.00
	B1	Bus Maintenance Facility: Remove and replace insulation.	2.1	CA	RFM	\$218,700.00
	B2	Remove and replace roofing and insulation. (Existing building has leaking roof & insulation at west side of support services building.)	2.1	CA	RFR	\$340,200.00
	B3	Replace existing r panel roof systems per District standards.	3	CA	RFR	\$595,350.00
	B4	Replace exterior waterproofing/sealant joints around door and window frames, wall penetrations, etc.).	3	CA	WS	\$10,125.00
ARCHITECTURE						\$719,536.54
	A1	Provide six new fuel pumps. Existing fuel pumps need replacement.	1	CA	MEQ	\$24,278.85
	A4	Provide new dedicated conference room and office for driver supervisor.	3	CA	REN	\$149,038.46
	A6	Provide canopy for one propane dispenser.	3	DP	ADD	\$1,350.00
	A7	Provide bush wash station. (Currently drivers wash their own bus.)	3	DP	ADD	\$243,000.00
	A8	Provide more storage space. (Existing support services building does not have adequate storage.)	3	CA	ADD	\$168,894.23
	A9	Remove and replace ceiling with new acoustical lay-in ceiling tile and grid throughout facility.	3	CA	CLG	\$66,150.00
	A10	Replace carpet/vinyl composite tile (VCT) and base throughout facility excluding all main corridors (include ACM abatement where applicable).	3	CA	FLR	\$28,350.00
	A11	Bus Maintenance Facility: Provide secure parts storage.	3	CA	REN	\$24,975.00
	A12	Replace teaching surfaces (marker boards, tack boards, etc.) at each room.	4	CA	MBTB	\$13,500.00
MECHANICAL						\$158,962.50
	M1	Bus Maintenance Facility: Provide two large overhead circulation fan in shop bays.	2.1	CA	HVAC	\$20,250.00
	M2	Bus Maintenance Facility: Provide building automation control system. None existing (local thermostat control).	2.1	CA	HVAC	\$25,515.00
	M3	Provide building automation control system. (None existing local thermostat control.)	2.1	CA	HVAC	\$66,150.00
	M4	Provide dust collection in support services building (four drops; currently have no dust collection).	2.2	CA	HVAC	\$36,450.00
	M5	Replace suspended unit heaters.	3	CA	HVAC	\$10,125.00
	M6	Bus Maintenance Facility: Remove in-wall air compressor.	3	DP	HVAC	\$472.50
ELECTRICAL						\$351,675.00
	E2	Bus Maintenance Facility: Replace building mounted exterior lights with LED.	2.1	CA	LTG-E	\$10,800.00
	E3	Replace building mounted exterior lights with LED.	2.1	CA	LTG-E	\$29,700.00
	E4	Replace parking lot lighting with LED.	2.1	CA	LTG-E	\$170,100.00
	E1	Provide power to gate. (Currently manual gate.)	3	DP	SF	\$10,125.00
	E6	Provide interior lighting controls.	3	CA	LTG-I	\$47,250.00
	E7	Replace interior lights with LED.	3	CA	LTG-I	\$47,250.00
	E8	Bus Maintenance Facility: Provide interior lighting controls.	3	CA	LTG-I	\$18,225.00
	E9	Bus Maintenance Facility: Replace interior lights with LED.	3	CA	LTG-I	\$18,225.00
PLUMBING						\$25,515.00



SUPPORT SERVICES

Proposed Work Items

All costs are shown in 2019 dollars. The cost of all work items after this date should be advised accordingly.

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	P1	Bus Maintenance Facility: Replace domestic water piping. (Existing is galvanized.)	2.1	CA	PLDW	\$25,515.00
LIFE SAFETY & SECURITY						\$558,916.54
	LSS1	Provide emergency generator to run gas pumps and emergency lighting system. (Also for print shop and A/C.)	1	PQI	EG	\$114,750.00
	LSS1	Bus Maintenance Facility: Provide a fire alarm system. (Currently none existing.)	2.1	CA	FA	\$23,625.00
	LSS2	Remove and replace back exterior gates. (Existing gates are rusted.)	2.1	CA	SF	\$2,311.54
	LSS2	Replace fire alarm to District-wide standard voice evacuation system.	2.1	CA	FA	\$23,625.00
	LSS3	Replace interior doors and hardware. Re-key entire facility per new District "grand master" keying system. (Existing support services building has sliding doors which are not accessible.)	2.2	CA	DR	\$72,900.00
	LSS5	Remove and replace GPS and cameras on all buses. Upgrade system hardware and software for 50 buses. (Older models not working well.) Complete hardware, software, and connectivity system upgrade.	2.2	PQI	SCM	\$202,500.00
	LSS3	Provide new room graphics and way-finding signage per ADA requirements.	3	PQI	SGN	\$4,995.00
	LSS4	Provide new way-finding site signage.	3	PQI	SGN	\$6,750.00
	LSS5	Remove and replace remaining rusted exterior gates (excluding the back gate).	3	CA	SF	\$2,700.00
	LSS5	Bus Maintenance Facility: Add fire sprinklers. (Currently none existing.)	4	CA	FSPR	\$29,160.00
	LSS6	Add fire sprinklers. (Currently none existing.)	4	CA	FSPR	\$75,600.00

Code	Priority Description
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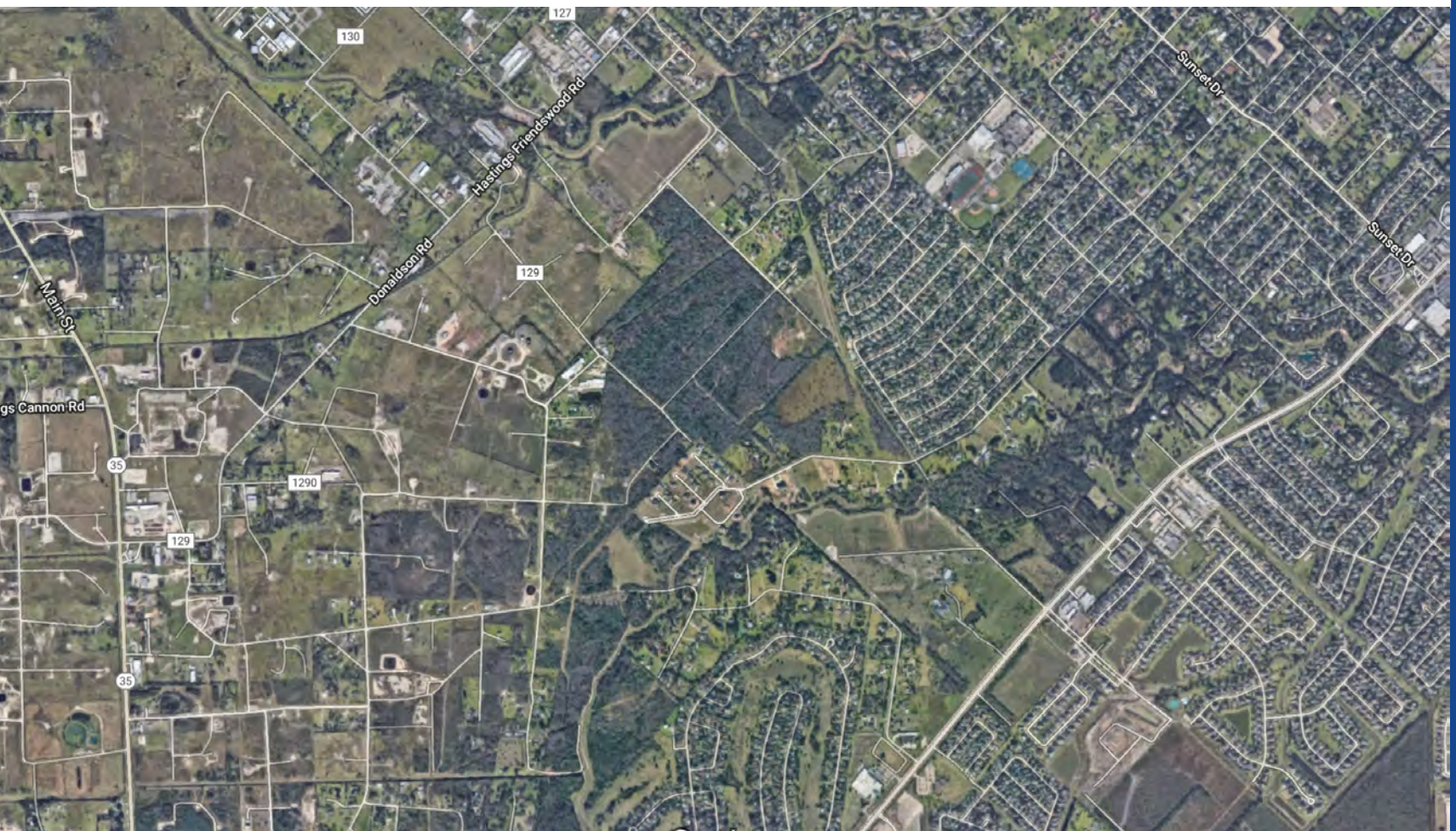


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LONG-RANGE FACILITIES MASTER PLAN

7 | DISTRICT-OWNED PROPERTY





DISTRICT-OWNED PROPERTY

Friendswood Independent School District owns multiple real estate assets which include vacant property as well as undeveloped land. Information regarding current District-owned property has been summarized herein for reference.

Details regarding land availability as well as key characteristics of each site including location, size, and proximity, typically prove helpful in the facility master planning process; particularly when evaluating the feasibility and timing for constructing new facilities due to anticipated growth and other mitigating factors.



RIENDSWOOD ISD TABLE OF DISTRICT-OWNED PROPERTIES

SITE	ACREAGE	DESCRIPTION	LOCATION	PROPOSED USE
1. West Ranch Site	11.92	Arbor Gate/Austin Chase at West Rance Section 4 WEST RANCH SCHOOL SITE (2016) ABST 9, RES A	West Ranch Subdivision	New Cline Elementary School
2. 1108 Mustang Drive	0.985	ABST 151 BRENHAM ESTATES SUB (97) LOT 6	North of Friendswood High School and East of Natatorium	New High School Practice Field
3. 1107 Falling Leaf Drive	0.985	ABST 151 BRENHAM ESTATES SUB (97) LOT 2	North of Friendswood High School and East of Natatorium	New High School Tennis Courts
4. 1013 Falling Leaf Drive	1.9693	ABST 151 BRENHAM ESTATES SUB (97), LOT 4	North of Friendswood High School and East of Natatorium	New High School Practice Field
5. 1018 Mustang Drive	0.985	ABST 151 BRENHAM ESTATES SUB (97), LOT 8	North of Friendswood High School and East of Natatorium	New High School Practice Field



DISTRICT-OWNED **PROPERTY**

FRIENDSWOOD ISD // **WEST RANCH SITE**



WEST RANCH SITE

DISTRICT-OWNED **PROPERTY**

FRIENDSWOOD ISD // **1108 MUSTANG DRIVE**

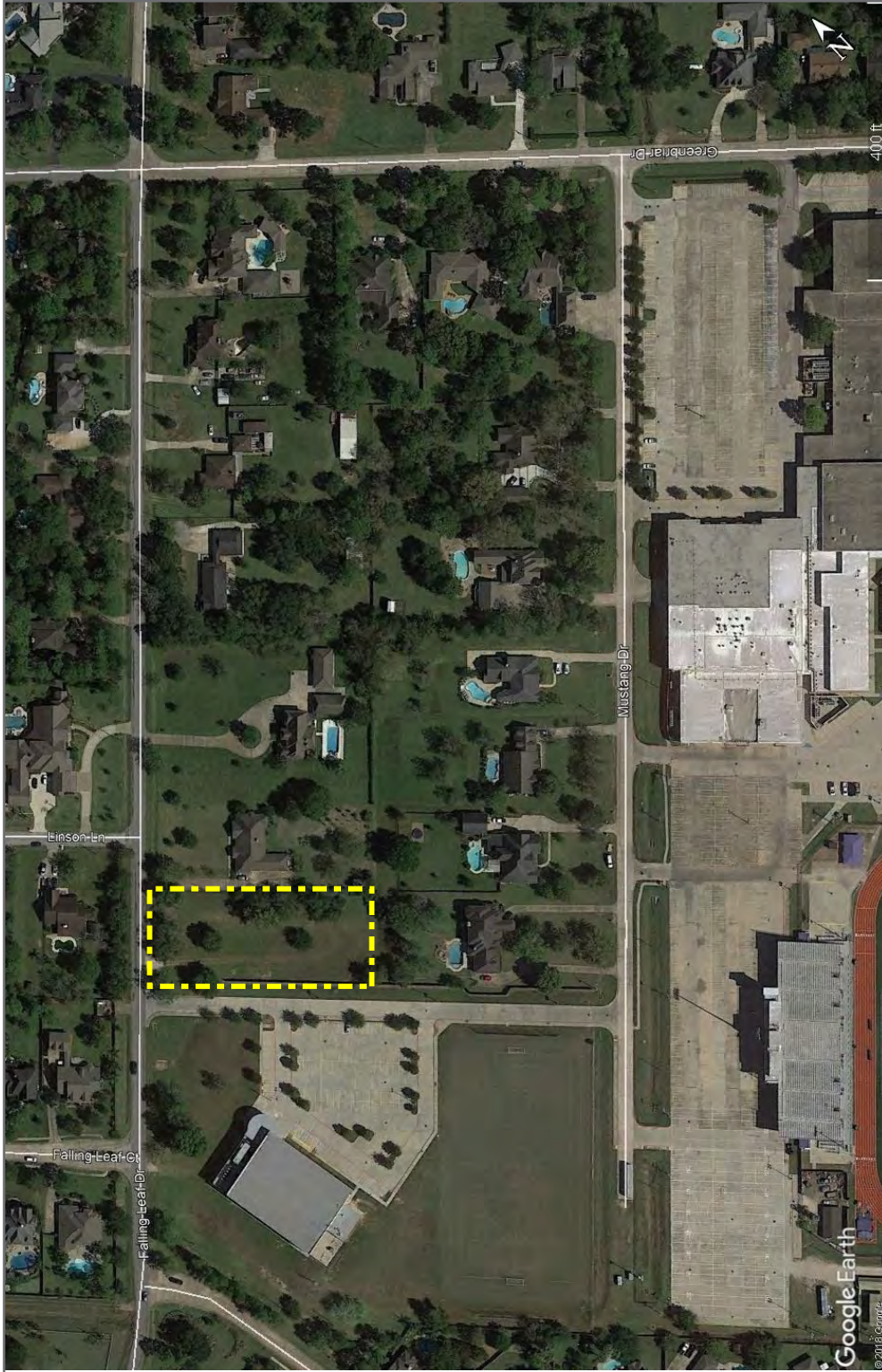


1108 MUSTANG DRIVE



DISTRICT-OWNED **PROPERTY**

FRIENDSWOOD ISD // **1107 FALLING LEAF DRIVE**



1107 FALLING LEAF DRIVE

DISTRICT-OWNED **PROPERTY**

FRIENDSWOOD ISD // **1013 FALLING LEAF DRIVE**

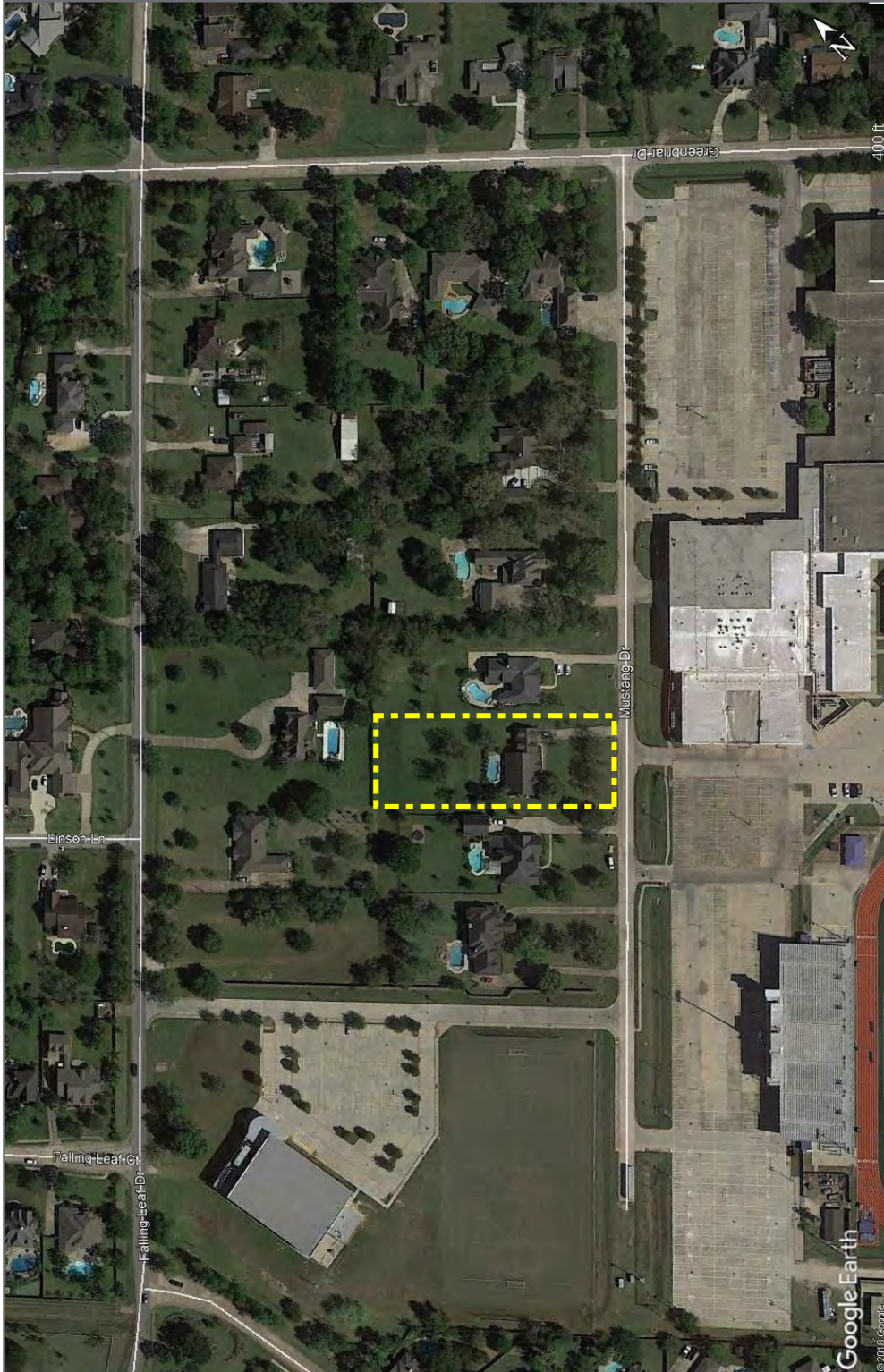


1013 FALLING LEAF DRIVE



DISTRICT-OWNED **PROPERTY**

FRIENDSWOOD ISD // **1018 MUSTANG DRIVE**



1018 MUSTANG DRIVE



LONG-RANGE FACILITIES MASTER PLAN

8 | APPENDIX





APPENDIX

8.1

FRIENDSWOOD ISD // TECHNOLOGY PLAN

2019 - 2023

FRIENDSWOOD ISD TECHNOLOGY PLAN

Thad J. Roher
Superintendent

Lindsey Cook
JH Teacher

FISD TECH COMMITTEE

Katherine Crites
SPED Teacher

Tonia Meadow
Executive Director of Technology

Jill Halata
Elementary Teacher

Mike Gasiorowski
Director of Technical Services

Karen Hillier
High School iCoach

Brian Smith
Network Administrator

Peggy Matejowsky
ESL Teacher

Diane Myers
Assist. Sup. of Secondary
Curriculum

Jennifer McCray
Elementary Teacher

Lynn Hobratschk
Assist. Sup. of Elementary
Curriculum

Jason Norman
Elementary iCoach

Amy Boyer
Media Integration Specialist
Westwood

Myriam Rizzi
High School Teacher

Darlene Cates
Junior High iCoach

Greenlee Brittenum
Community Representative

Augusta Cloyd
SPED Teacher

Albert Cipolla
Secondary Parent Representative

Allison Waldman
Elementary Parent Representative



APPENDIX

FRIENDSWOOD ISD // TECHNOLOGY PLAN

TECH PLAN

MISSION: FOSTER A CULTURE THAT
USES INTEGRATED TECHNOLOGIES TO
OPTIMIZE STUDENT LEARNING.

EXECUTIVE SUMMARY

The 2019-23 Friendswood ISD Technology Plan was written and agreed upon by members of the Technology Plan Committee. Representatives from each campus and various departments serve on the committee. The planning process was designed to include a variety of perspectives, ideas, and experiences. This wide representation is needed to foster buy-in from all stakeholders.

The 2019-23 plan is designed to align with the district strategic plan while addressing areas specific to technology infrastructure, safety, support, instruction and communication. These areas provide a road map for the district to: meet hardware and software standards; support and maintain district technology efficiently and effectively; achieve technology proficiency by students and staff; optimize student learning through the use of integrated technologies and communication. This plan attempts to lay a foundation for future advancement in the use of integrated technologies.

Because the plan continues to move the district in significantly new directions, the district felt it would be wise to write a three-year plan. The plan identifies technology resources that should be available to all stakeholders as well as the support for those technologies. It focuses on technology integration into the classroom and technology proficiency standards for students and staff. The planning process resulted in numerous discussions, each one further defining the aspirations of the district, and therefore the plan.



APPENDIX

FRIENDSWOOD ISD // TECHNOLOGY PLAN

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"Foster a culture that uses integrated technologies to optimize student learning."	
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NEEDS ASSESSMENT	7
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INFRASTRUCTURE	8
Supports Strategic Plan Goals 1 & 5	
SUPPORT	10
Supports Strategic Plan Goal 3	
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Supports Strategic Plan Goals 1, 2, 5, 6, & 7	
SAFETY	14
Supports Strategic Plan Goal 7	
COMMUNICATION	17
We will provide, encourage and support digital communication with staff, students, parents and community that informs our stakeholders and enhances learning.	
EVALUATION	19



APPENDIX

FRIENDSWOOD ISD // TECHNOLOGY PLAN

EXISTING CONDITIONS

- It is important to understand the existing condition of the instructional, technical and PEIMS/Data departments.
- The Executive Director of Technology directs and manages the Instructional, Technical and PEIM/Data departments in Technology Services. The technical and PEIMS/Data departments have a director or coordinator and additional staff under the direction of the Executive Director of Technology.
- Grades 2-12 at all campuses have Chromebook carts in core classrooms and libraries. In grades K-2 there are sets of 12 to 24 iPads available in each classroom.
- Each teacher is provided a laptop to use with a projector and document camera in each classroom. There are a handful of interactive projectors in various schools as well as half a dozen interactive panels throughout the district.
- District internet bandwidth is currently 1GB and will be updated to 1.5GB in the 2019-20 school year.
- Students use a variety of educational software including GSuite for Education, PebbleGo, BrainPOP, Reading Horizons, Cinch Science, Canvas, Q-Global, Read Naturally, SeeSaw, Reading Plus, Imagine Math, Accelerated Reader, EduTyping, and many more.
- The district has invested in several online textbooks: Pearson for Spanish, Anatomy, Bio, and AP Physics; McGraw Hill for Math and Science in grades 6-8, Social Studies in grade 6-12 and Accounting; Think Central for Math and Social Studies K-5; Social Studies Weekly for grade 4; Stemscores for Science in K-5; Bedford, Freeman and Worth for AP Biology, AP European History and AP World History; Cengagebrain AP Chemistry & DHO Health Science; Cambridge for Latin I - III; Bolchazy-Carducci for Latin IV & V; Houghton Mifflin/McDougal for Chemistry, Physics and World Geography; Vista Higher Learning for German and French.
- Each campus has a fiber connection to the annex building.
- Web content filtering will be upgraded to Family Zone in the summer of 2019 to allow for up to 10GB throughput, cloud filtering and SSL decryption.
- The Firewall will be upgraded to Fortigate in the summer of 2019 to allow for up to 10GB throughput and updated firewall features.
- All core and many non-core classrooms have a laptop or desktop computer, mounted projector or interactive projector/panel, and document camera.
- All campuses, Annex and Administration Building have Aruba wireless access throughout.
- The district uses Skyward for student information management, HR and financial accounting.
- The district uses Bradford for student registration, onboarding, to the BYOD network.
- All staff has email and electronic communications access at work or anywhere including apps built for iOS and Android via GSuite for Education.

APPENDIX

8.5

FRIENDSWOOD ISD // TECHNOLOGY PLAN

EXISTING CONDITIONS CONT.

- All teachers use an electronic gradebook in Skyward.
- All teachers use Skyward for attendance.
- The district uses BoardDocs.com, an electronic school board meeting management solution.
- Teachers report absences and request substitutes using Frontline.
- Scope and Sequence of all grade-level and content area TEKS are available in the TEKS Resource System for all teachers.
- Staff participates in online professional development through EduHero.net.
- Parents of students in grades K-12 have access to students' grades and attendance using ParentAccess in Skyward.
- Canvas LMS is used for digital delivery of classroom content, communication and online testing.
- The district uses Follett Destiny library management software, implemented in 2009 and recently updated in 2019.
- The district uses Eduphoria Workshop to offer and monitor staff development hours implemented in 2012.
- The district uses Eduphoria Aware for test data disaggregation implemented in 2011.
- The district uses Eduphoria Strive for staff M-TESS evaluation process.
- The district uses Eduphoria HelpDesk to submit and track technology help requests implemented in 2013.
- The district uses Eduphoria FormSpace for teachers and campuses to request approval for outside and campus workshops, surveys and forms implemented in 2013.
- The district is a member of the Region 4 Videoconferencing Network with desktop access to trainings and learning experiences provided by Region IV.
- SSO via Google or Canvas is provided for most of the online resources with links embedded in Canvas courses for all grades and displayed on an auto-open Clever dashboard for Chromebook users in grade 2-5.



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APPENDIX

FRIENDSWOOD ISD // TECHNOLOGY PLAN

TECHNOLOGY NEEDS

The Technology Plan Committee defined the technology-related goals, objectives, and strategies to support the strategic plan of the district. Each technology plan goal is linked to and supportive of a district goal. These goals focus on the use of technology to enhance, support and facilitate all levels of learning, instruction, communication, and administration. This technology plan attempts to address the areas of greatest need, Infrastructure, Support, Teaching & Learning, Safety, and Communication.

Goals 1 and 2 address the technology infrastructure and layout a path to increase bandwidth capabilities and reliability. These two goals directly support the district's strategic plan goals 1 & 5: We will develop a district-wide system that establishes a culture of community service for all students. We will strategically allocate resources for facilities that promote authentic learning experiences and real-world opportunities. It is widely believed that the district has a reliable network. Access to quality technology, however, is not viewed consistently throughout the district. By investing in more robust equipment that allows for the growth of our infrastructure and bandwidth we are preparing for what the future might bring in the area of network access and needed capabilities.

In Goal 3 the support of the end user is addressed through proactive and responsive support systems for all stakeholders. This goal supports goal 3 in the district's strategic plan: We will provide professional learning that is aligned to our beliefs and call to action. As technology is ever changing so should our role in supporting the devices and people using the technology. Analyzing statistics will allow the support staff to be proactive in the areas of facilitation, support, and training.

Goal 4 in the technology plan supports several of the district's strategic goals. In addition to the district's strategic goals previously mentioned, the technology plan's goal 4 supports goals 2, 6 and 7 of the strategic plan: We will redefine the measure of student success based on our beliefs and call to action. All students will be engaged in authentic learning experiences in and beyond the classroom. We will develop initiatives that promote strong character traits, emotional maturity, and social well-being of each child. The objectives in goal 4 address researching best practices with digital instruction; providing resources and intentional training that embraces creativity, critical thinking, communication and collaboration; and increasing the pattern of responsible technology use where all learners are authentically engaged. All three provide a means to continue integrating technology meaningfully and authentically into the curriculum.

In the technology plan Goal 5 addresses safety with technology. Safety as a goal is a much-needed addition to the district technology plan. It is divided into two categories, Digital Citizenship, and Data Safety. Digital Citizenship addresses student safety and behavior online while data safety maps out what the district is doing to keep personal data secure. Goal 5 of the technology plan supports goal 7 of the district's strategic plan: We will develop initiatives that promote strong character traits, emotional maturity, and social well-being of each child. Digital Citizenship has been a focus for several years and through the technology plan, it will continue to be developed to best suit the needs of our students and community. The second part of Safety, Data Security, is an ever-changing area that should be addressed in any technology plan. With today's cyber attacks more frequently targeting perceived weak targets housing desired data, such as school districts, it is important to keep infrastructure secure and staff trained on identifying phishing scams.

Goal 6 is communication. This goal supports goal 1 in the district's strategic plan: We will develop a district-wide system that establishes a culture of community service for all students. The technology department has historically played a key role in supporting digital communication between the school and the community. Methods of digital communication change frequently. The technology plan supplies a structure to follow when evaluating new digital communication methods and provides a plan to provide staff information and development on new communication mediums. This also supports communication within the district regarding the availability of equipment and services for staff.

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FRIENDSWOOD ISD // TECHNOLOGY PLAN

NEEDS ASSESSMENT

The district uses formal technical needs assessments tools to analyze district technology needs. Along with the technical needs assessment, survey tools are used to collect and analyze data regarding district technology-related needs. Staff members are surveyed on a variety of areas. Survey instruments include questions related to the following areas: Organizational conditions; flexible scheduling; staff support; instructional materials; professional development; communication and student outcomes. The district uses the Eduphoria Help Desk application for processing instructional and technical tickets. This tool is used to log and track work done by technical support. Using this tool along with survey results, the district gains insight into the current status of technology and allows for future planning.



APPENDIX

FRIENDSWOOD ISD // TECHNOLOGY PLAN

Goals and Objectives

INFRASTRUCTURE 1 & 2

Supports Strategic Plan Goals 1 & 5 - We will develop a district-wide system that establishes a culture of community service for all students. We will strategically allocate resources for facilities that promote authentic learning experiences and real-world opportunities.

Goal 1

We will continue to provide advancing infrastructure solutions that can scale with our district's demands.

Objective 1.1 Evaluate data usage trends via a monthly report with correlation of district activities including teaching and instructional activities.

Objective 1.2 Collect teacher response surveys twice per year in regards to usage and experience in the classroom; survey will include but will not be limited to current lifespan of devices; evaluation of 1-1 devices vs class sets

Objective 1.3 Define upgrade path to include end of life and sunset on district systems

Goal 2

We will deploy fault-tolerant technology to increase reliability.

Objective 2.1 Install a ring topology, or a similar technology, to provide exceptional network connectivity throughout the district.

Objective 2.2 Research trends of multipoint networking in order to provide equipment that can handle the projected internet usage.

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FRIENDSWOOD ISD // TECHNOLOGY PLAN

INFRASTRUCTURE 1 & 2

Strategy Description	Monitor	Expected Result	Year 1	Year 2	Year 3
1.1.1 Establish and implement a monthly reporting schedule to collect data.	Network Administrator, Dir. of Technical Services, Ex. Dir of Tech.	Report established and would drive decisions on upgrading and maintaining district applications to ensure quality.	✓		
1.2.1 Create and distribute a mid-year checklist annually to evaluate teacher & student experiences in the classroom.	Ex. Dir of Tech.	The mid-year checklist will provide data that improve the quality of classroom technology experiences.	✓		
1.2.2 Create and distribute an annual end of year survey to collect more in-depth data in regards to usage and experience in the classroom.	Ex. Dir of Tech.	The end of year survey will provide a pathway for readiness for the upcoming school year.	✓		
1.3.1 Develop a timeline and replacement process for FISSD technology including but not limited to Chromebooks, staff computers, and other electronic instructional devices.	Network Administrator, Dir. of Technical Services, Ex. Dir of Tech.	This would ensure up to date and secure technology for staff and students.	✓		
1.3.2 Develop a standard device list for core technology items purchased for a campus.	Network Administrator, Dir. of Technical Services, Ex. Dir of Tech.	List is in place and updated annually during the summer.	✓		
2.1.1 Post a 470 with E-rate for an infrastructure design with a ring topology by December 2019 and select vendor for implementation.	Dir. of Technical Services, Ex. Dir of Tech.	This post will allow bidders to submit a proposal for new design and the technology department will work with vendor.	✓		
2.1.2 Evaluate proposals and acquire necessary equipment and services to convert the district to a ring topology or similar technology.	Dir. of Technical Services, Ex. Dir of Tech.	Final proposal selected and approved by the board..	✓		
2.1.3 Ring topology, or similar technology acquired and installed in the district	Dir. of Technical Services,	District ring or similar infrastructure in place to provide increased network reliability	✓		
2.2.1 Have a quarterly technology meeting to stay ahead of new needs, equipment and internet usage.	Network Administrator, Dir. of Technical Services, Ex. Dir of Tech., iCoaches, Media Specialists	This meeting would help the district stay current, share ideas, and anticipate needs.	✓		



APPENDIX

FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

SUPPORT

Supports Strategic Plan Goal 3 - We will provide professional learning that is aligned to our beliefs and call to action.

GOAL 3

We will provide proactive and responsive support systems to learners, facilitators and community.

Objective 3.1 Analyze statistics and currently available information to measure district balance and effectiveness between proactive and responsive support.

Objective 3.2 Develop proactive maintenance and training to effectively access and utilize technology tools.

Objective 3.3 Develop responsive processes to effectively and efficiently serve stakeholder needs.



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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

SUPPORT

Strategy Description	Monitor	Expected Result	Year 1	Year 2	Year 3
3.1.1 Create or acquire a database to centralize a district asset inventory system.	Tier 2 District Tech and Campus Technicians	Accurate and useful inventory information for needs assessments.		✓	
3.1.2 Analyze support tickets monthly for quantity and frequency of equipment issues.	Network Administrator	This would help tech services gage support activity.		✓	
3.1.3 Survey stakeholders on experience with technical support.	Ex. Dir. of Technology	Survey completed and results used to address trends.		✓	
3.2.1 Research and implement a system to manage computer-compliance with updates and District software requirements	Network Administrator	System in place and client workstations manage their own compliance.			✓
3.2.2 Perform inventory audits annually	District Tier 2 Tech & Campus Technicians	Audit plan in place and conducted annually			✓
3.2.3 Provide short trainings during PLC or Faculty meetings on “how to”, troubleshooting and proactive practices	Campus Administrators, Campus iCoaches	Staff is provided troubleshooting and proactive practices throughout the year		✓	
3.2.4 Provide access to online “how to” training that staff can access when needed	Ex. Dir. of Technology	Online system is provided and promoted through campus technology support			✓
3.3.1 Evaluate ticket system to assure usefulness and effectiveness.	Network Administrator & District Tier 2 Tech	System evaluated and updated or confirmed useful and effective.		✓	



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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

Curriculum/Learning/Instruction

(Supports Strategic Plan Goals 1, 2, 5, 6, & 7 - We will develop a district-wide system that establishes a culture of community service for all students. We will redefine the measure of student success based on our beliefs and call to action. We will strategically allocate resources for facilities that promote authentic learning experiences and real-world opportunities. All students will be engaged in authentic learning experiences in and beyond the classroom. We will develop initiatives that promote strong character traits, emotional maturity, and social well-being for each child.)

Goal 4

We will promote a culture which fosters creativity, communication, collaboration, and critical thinking through the responsible use of technology.

Objective 4.1 Research current/best practices on digital instruction and conduct needs assessment research by soliciting formal and informal feedback.

Objective 4.2 Provided resources and intentional training that promotes a culture which embraces creativity, critical thinking, communication, and collaboration.

Objective 4.3 Increase the pattern of responsible classroom use where all learners are authentically engaged in technologically enhanced experiences.



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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

Curriculum/Learning/Instruction

Strategy Description	Monitor	Expected Result	Year 1	Year 2	Year 3
4.1.1. Create a formal survey which evaluates current technology trends in classroom use.	Needs Assessment Committee, Campus iCoaches	A formal survey and documentation of district, campus, department practices is.		✓	
4.1.2. Collect available data from industry for desired learner skills and development.	Ex. Dir. of Technology, Campus iCoaches	List of industry needs		✓	
4.1.3. Compare and contrast educational practices with industry desires.	Ex. Dir. of Technology, Campus iCoaches	Create documentation of the gaps between industry and current educational practices			✓
4.2.1. The technology department will educate staff on Technology Application TEKS through a variety of professional development opportunities (K-8/9-12).	Ex. Dir. of Technology, Campus iCoaches	Education through (but not limited to) TCEA sharing, monthly newsletters, PLCs, summer workshops, lunch and learns.		✓	
4.2.2. Grow in understanding and knowledge of technology-curriculum integration (by campus).	Campus iCoaches	Teacher workshops on technology expectations and levels of integration into content specific curriculum		✓	
4.3.1. Develop a uniform age-appropriate expectation of what technological engagement looks like in the classroom.	Campus Administrators, Campus iCoaches	Utilization of highly engaging Technology Applications skills in the curriculum		✓	
4.3.2. Promote a portfolio/repository space for evidence of learner enhanced technology use	Ex. Dir. of Technology, Campus iCoaches, Campus Administrators	Administrator accessible repository of student products			✓



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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

SAFETY

(Supports Strategic Plan Goal 7 - We will develop initiatives that promote strong character traits, emotional maturity, and social well-being of each child.)

GOAL 5

We will provide a safe and secure digital learning environment that will protect the district and ensure safe practices for digital safety.

Objective 5.1 Provide a current CIPA compliant filtering system that allows for class monitoring and control.

- Research current filters available
- Filtering system that allows for teacher discretion
- VPN, SSL
- Updatable Filter

Objective 5.2 Maintain current student and staff Responsible Use Policies.

- Current research
- Reflect current state policies
- Training on current policies (both staff AND student policy)

Objective 5.3 Ensure that students, staff, and community have access to resources to promote digital citizenship for each student.

- Survey students, staff, parents to assess digital safety knowledge & needs
- Teach students explicitly/ seamless Training for staff
- Resources for parents/community members
- Assess curriculum for safe practice teaching

Objective 5.4 Put protocols into place to ensure safety of digital content.

- Passwords
- Teacher training
- Research trends
- Penetration Test

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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

SAFETY

Strategy Description	Monitor	Expected Result	Year 1	Year 2	Year 3
5.1.1 Research current, CIPA compliant filters that allow for SSL decryption and VPN blocking that will continuously grow and adapt to changing needs.	Dir. of Technical Services	Research is completed and filter selected.	✓		
5.1.2 Provide systems that allow for teacher monitoring and device management when using various devices online.	Ex. Dir of Technology	Online monitoring systems are in place for all devices and all grade levels	✓		
5.2.1 Develop a uniform presentation to educate staff on the expectations of the staff RUP and review for changes annually.	Ex. Director of Technology	Presentation is created and shared.		✓	
5.2.2 Develop a uniform presentation per campus level to educate students on the expectations of the RUP and review for changes annually.	Ex. Dir. of Technology	Presentation is created and shared.		✓	
5.2.3 Educate all staff and students on RUP expectations annually.	Ex. Dir. of Technology, MIS & iCoach, Campus Admin	All staff and students are educated.		✓	
5.3.1 Create and deploy a survey that assesses knowledge of digital safety/citizenship to staff, students and community.	Ex. Dir. Tech., Tech Needs Assessment Committee	Survey deployed and results collected			✓
5.3.2 Redesign current digital safety/citizenship curriculum for effectiveness and seamless integration into current class content.	Ex. Dir. of Tech, iCoaches, MIS	Current curriculum redesigned		✓	
5.3.3 Train staff on digital safety/citizenship curriculum so that it can be embedded in current content when applicable.	Ex. Dir. of Tech, iCoaches, MIS	Staff trained on digital safety/citizenship curriculum		✓	
5.3.4 Resources for digital safety and citizenship are available for parents and community online through myfisd.com and advertised.	Ex. Dir. of Tech, iCoaches, MIS, Ex. Dir of Comm.	Resources are made available and advertised		✓	
5.4.1 Research trends in data and network security.	Dir. of Technical Services	Research is conducted	✓		
5.4.2 Review password policies and best practices for all systems and enforce secure password procedures for all staff and students.	Dir of Technical Services, Network Administrator	Password policies and best practices are in place and enforced.	✓		15



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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

SAFETY CONT.

5.4.3 Provide training on potential malicious activities that could pose a threat to the network when unknowingly accessed by staff or student.	Ex. Dir. of Technology	Training provided	✓		
5.4.4 Conduct annual penetration test of the network to evaluate internal, external and wireless networks.	Dir of Technical Services	Penetration test conducted and results reviewed	✓		
5.4.5 Create a process that will address access for user accounts that leave or change roles within the district.	PEIMS and Skyward Support Specialist	The process is in place	✓		
5.4.6 Ensure all networked security devices are properly isolated.	Dir of Technical Services	Security devices are properly isolated	✓		
5.4.7 Designate a Cybersecurity Coordinator	Ex. Dir. Of Technology, Superintendent	Cybersecurity coordinator designated	✓		
5.4.8 Develop a cybersecurity policy	Cybersecurity Coordinator	Cybersecurty policy is developed and in place and will detail how the district will secure the district's infrastructure against cyber attacks and other cybersecurity incidents	✓		

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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

COMMUNICATION

Supports Strategic Plan Goal 1 - We will develop a district-wide system that establishes a culture of community service for all students.

Goal 6

We will provide, encourage and support digital communication with staff, students, parents and community that informs our stakeholders and enhances learning.

Objective 6.1 Maintain and promote common tools for district digital communication

- Research and review current options available
- Set communication standards to be followed
- Provide staff development on current communication tools

Objective 6.2 Keep staff informed on current trends and availability of services and equipment in the district and campus.

- Tech Equipment available to check out
- Staff's availability to assist
- Newsletter

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FRIENDSWOOD ISD // TECHNOLOGY PLAN

GOALS AND OBJECTIVES

COMMUNICATION

Strategy Description	Monitor	Expected Result	Year 1	Year 2	Year 3
6.1.1 Research current communication tools available	Ex. Dir of Technology	Research is completed			✓
6.1.2 Set standards to follow for communicating	Ex. Dir of Technology, Assistant Superintendent of Curriculum and Instruction	Standards are established			✓
6.1.3 Provide information to staff via PD or other means on the standard tools for digital communication and the standards to follow.	Ex Dir of Tech, Assistant Superintendent of Curriculum and Instruction	Staff are aware of and adhere to communication standards			✓
6.2.1 Develop a marketing program to bring awareness to services the technology department can provide	Ex. Dir. of Technology, iCoach at each campus	Marketing program developed and shared.		✓	

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FRIENDSWOOD ISD // TECHNOLOGY PLAN

EVALUATION

The district Technology Services Staff and/or Technology Plan Committee (TPC) will meet once a semester or more as needed to implement and evaluate the technology plan and develop alternative courses of action when necessary. Updates regarding progress on the technology plan will be provided to district leadership and the school board as needed. Progress towards plan goals and objectives will be assessed according to progress toward completion of strategies. Each strategy describes a specific activity and has a defined purpose and timeline for implementation or completion. Each strategy also includes a person responsible as well as evidence that will be used to measure the successful completion of the strategy. Each person listed as being responsible for strategies will evaluate progress toward timely completion of their strategies and report to the TPC at semester meetings. Strategies will be recorded as completed or in progress. Completion progress will be measured against the evaluation criteria listed with each strategy. In addition, district-created surveys will be used on a regular basis to evaluate progress according to the technology plan. These surveys will provide data that will be useful in evaluating and documenting progress. The technology plan includes a ticket system that is used by staff members to request technical and instructional technology support. The quantity and type of requests as well as the timeliness of completion will be evaluated to determine if goals for the availability of support for technology are being met.

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Friendswood ISD Website:

<https://myfisd.com>

Friendswood ISD Technology Plan:

<https://myfisd.com/technology-department/>

Friendswood ISD Responsible Use Policies

Staff <https://is.gd/RI3Y7I>

Student <https://is.gd/6mC1fH>

GLOSSARY

LMS - Learning management systems (LMS) are software applications or Web-based technologies used to plan, implement, and assess a specific learning process.

PLC - Professional Learning Community

SSO - Single Sign-On



APPENDIX

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