HUMBLE INDEPENDENT SCHOOL DISTRICT
HUMBLE, TEXAS
HARRIS COUNTY

2017 Facilities Assessment
2017-2027



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Humble Independent School District
2017 Facilities Assessment
June 13, 2017 - Version 2.0 - DRAFT

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PREFACE

ACKNOWLEDGEMENTS

On behalf of our partners, principals and staff, we wish to express our sincere appreciation to the Humble Independent School District for the opportunity to assist in the development of the Humble ISD 2017 Facilities Assessment (2017-2027).

We also extend our utmost gratitude to the Humble ISD Board of Trustees, Superintendent, Senior Administrators, School Principals, Teachers, Staff, and school community representatives 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 the successful development of the Plan.



Rick Blan, AIA, LEED AP
Partner
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HUMBLE INDEPENDENT SCHOOL DISTRICT BOARD OF TRUSTEES, ADMINISTRATION AND ACKNOWLEDGEMENTS

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ADDITIONAL ACKNOWLEDGEMENTS

PBK Architects, Inc. would like to thank the numerous additional administrative staff, Principals, campus level staff and other Humble ISD employees that have committed their time during our numerous site visits, focus meetings and assessment review meetings. Your commitment and dedication to this process was instrumental to the success of this Facilities Assessment and we sincerely appreciate your time and commitment.

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INTRODUCTION

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INTRODUCTION

The Humble Independent School District is committed to providing healthy and well-maintained school facilities with learning environments that are operationally efficient, functionally superior, equitable and in support of its educational mission. In keeping with this commitment, Humble ISD launched a facilities assessment and planning initiative in 2016 in order to accomplish the following goals and objectives:

- Conduct a thorough inspection and analysis of all existing buildings and campus needs;
- Forecast future facility needs utilizing historical and demographic data sources;
- Develop a comprehensive, 'living' database to capture and track prioritized facility needs; and,
- Produce a campus-by-campus, district-wide plan that addresses existing facility needs (including life cycle renewal and replacements, additions and renovations), as well as new facilities that will be needed in order to accommodate future enrollment growth and educational programming requirements.

The "Humble ISD 2017 Facilities Assessment 2017-2027" report, drafted by PBK Architects, in collaboration with and on behalf of Humble ISD, describes the District's assessment journey in terms of both process and results. The information provided within the contents of this report include introductory details about the District such as historical milestones related to communities and schools; current District profile (key facts, figures, mission and goals), as well as plans for the future. An overview of the facility assessment process is also provided along with supporting information, data and findings. The assessment information as currently presented represents hundreds of hours of data gathering, validation and prioritization involving a wide spectrum of facility stakeholders including central office administrators, principals, department-heads, instructional staff, as well as demographers, developers, architects, engineers, planners and real estate professionals.







HUMBLE ISD - PAST, PRESENT & FUTURE

Humble Independent School District (Humble ISD) is located in southeast Texas in the City of Humble, approximately twenty (20) miles northeast of downtown Houston. The District is positioned in the northern quadrant of Harris County, with boundaries that span across multiple cities and communities. The District serves the city of Humble; the Kingwood community located within the City of Houston; as well as Atascocita, Fall Creek and other communities located throughout unincorporated Harris County.

Established in the 1800's, Humble ISD is rich in history, and yet, remains one of the fastest growing school districts in the state of Texas.







HISTORY & HERITAGE

The cultural, developmental, commercial and educational history of the Humble ISD community is both interesting and relevant. Knowledge of the past provides us with perspective, connectivity and meaning. Likewise, organizational and institutional history are of equal importance. Our history as a society and school community connect us to one another. With a collective understanding of what those before us experienced, endured and accomplished, we gain unique insight and perspective as we envision our future.

For these reasons, a summary of historical events and milestones are provided herein for reference.

The Early Years

The first settlers arrived in the area in the early 1800's. Among them was David Harris, a member of Stephen F. Austin's colony ("Old Three-Hundred") and the first to receive a grant from the Mexican government for a league of land in present-day northeast Harris County (granted in 1824). Joseph Dunman arrived in 1828 and is considered the first to settle in the area. Pleasant Humble arrived in 1869 *(est.)* and established a homestead for his family near the San Jacinto River (although he would later relocate to higher ground due to flooding concerns).

Pleasant Humble was quite resourceful and served the community in a variety of ways over the course of many years. He operated a ferry on the San Jacinto River (where U.S. Highway 59 crosses the river present-day). He also harvested timber to produce railroad ties; mined gravel; operated a general store; served as justice of the peace; operated a post office out of his home; was elected as a Harris County Commissioner, serving from 1876-1878; and served as the first post master once a U.S. Post Office was established.



FIGURE 1.1 - Photo: Pleasant Humble

As for how the town would ultimately come to bear his name.....stories passed down through generations provide some insight.



FIGURE 1.2 - Early Residents: Humble, Texas

Based on local legend, mail carriers from nearby towns were told to "deliver to Humble" (referring to Pleasant Humble) and, over time, the name of the man became synonymous with that of the town and was eventually formalized as such.

In August of 1886, an application was submitted to establish a local U.S. Post office and the city name provided on the application was "Humble, Texas". Regarding name pronunciation, it is believed that "Humble" was pronounced with a silent "H" based on the way that Pleasant Humble actually stated his last name; so, from the onset, the City of Humble was pronounced as "*Umble*".

> "YOU INVOKE A NEW FUTURE WHEN YOU ENVISION YOUR PAST IN THE LIGHT OF YOUR PRESENT."
>
> *Laila Gifty Akita*
> *Think Great: Be Great!*

SUMMARY OF HISTORICAL MILESTONES

Communities & Schools

1873

Joseph W. Dunman opened the first school in the area near "Atascocito Road" close to present-day River Pines Elementary School.

The private school (known as "Joe Dunman's Schoolhouse") was attended by children of wealthier area families who could afford to pay for schooling. (The State of Texas did not yet have an effective public education system at the time, thus, most Texas children did not receive a formal education).

1875

Paul Bremond was awarded a contract to build a railroad from Houston to Louisiana. By 1877, twenty-eight (28) miles of the Houston East & West Texas Railway had been laid (stretching from Houston to New Caney).

Many sawmills were established along the railway including several in and near Humble. The area soon became a hub for logging, lumber trade and transport.



FIGURE 1.3 - Humble Rail Station



FIGURE 1.4 - Lumber Transport via Rail

1876

The Texas legislature passed an updated constitution making schooling available to more children. This resulted in the creation of additional school communities in the rural north and north-central regions of Harris County, including:

1. Harris County School Community No.1: "**Westfield School Community**" // Sept. 20, 1876 // W.L. Higgs, H. Illonefield & James McLeod.

2. Harris County School Community No. 13: "**Durdin School Community**" // Dec. 22, 1876 // G. L. Durdin, Pleasant Humble & H. Smith. This community had only 1 school (the Higgs School) which was the closest school to the Humble area at the time (West side of the tracks near present-day 1960 & Lee Road).



FIGURE 1.5 - West River School, 1904 (Courtesy of the Humble Museum)

1883

A school community was organized on the east side of the railroad tracks: "**Dunman School Community**". Joe Dunman's Schoolhouse was the only school in this community (13 students).

1884

The Common School Law was passed establishing a system of county schools across the state, making public schools available to all students in each district.

Harris County was divided into county school districts (each with at least 1 school and a local school board). The law required that schools be segregated; specific skills/courses be taught; and a taxation system established to fund the public schools.

1. Harris County Common School District No. 28 (Dunman's School District): East side of the railroad tracks; similar to the present-day boundary area of Humble ISD (and would later become Humble ISD).

2. Harris County Common School District No. 29: West side of the railroad tracks; former Harris County School Community No. 13 - Higgs School (present-day Aldine ISD).

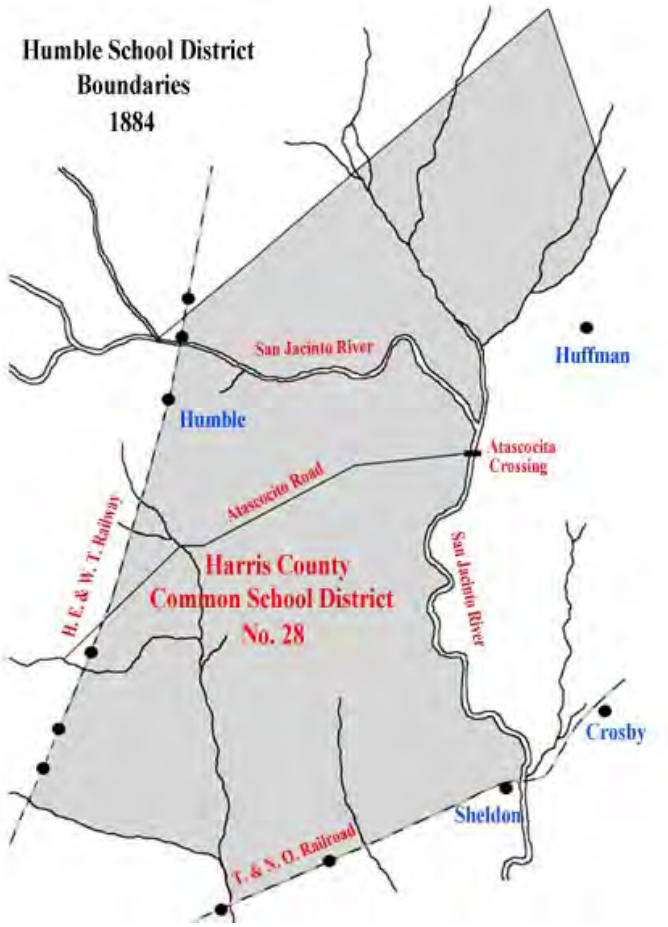


FIGURE 1.6 - Humble School District Boundaries, 1884

1886

District No. 28 opened J**oe Dunman's Schoolhouse No. 2** for colored students, becoming one of the first in the county to provide an education to this student population.

1888

Humble residents successfully petitioned to split District 28 (and establish a school closer to town). The north section remained **District No. 28 ("Humble")**, and the south section became new **District No. 35 "Dunman"**. Joe Dunman's Schoolhouse was located in District 35 (and the school name was changed to "Dunman's Prairie School".)

West River School: A new school was built for District No. 28 on land donated by William Humble (son of Pleasant Humble); located at the corner of Isaacks Rd. and Old Humble Rd.

Narrow Gauge School: A new school was built to replace Joe Dunman's Schoolhouse No. 2.

1889

Charles Bender purchased a sawmill and thousands of acres of timberland in the area where the town was forming (present-day Humble).

1902

Shallow oil production began in the Humble area.

1903

Charles Bender laid out the streets and lots and the town of Humble was formally established. He would later file an official street plan for Humble in 1904.

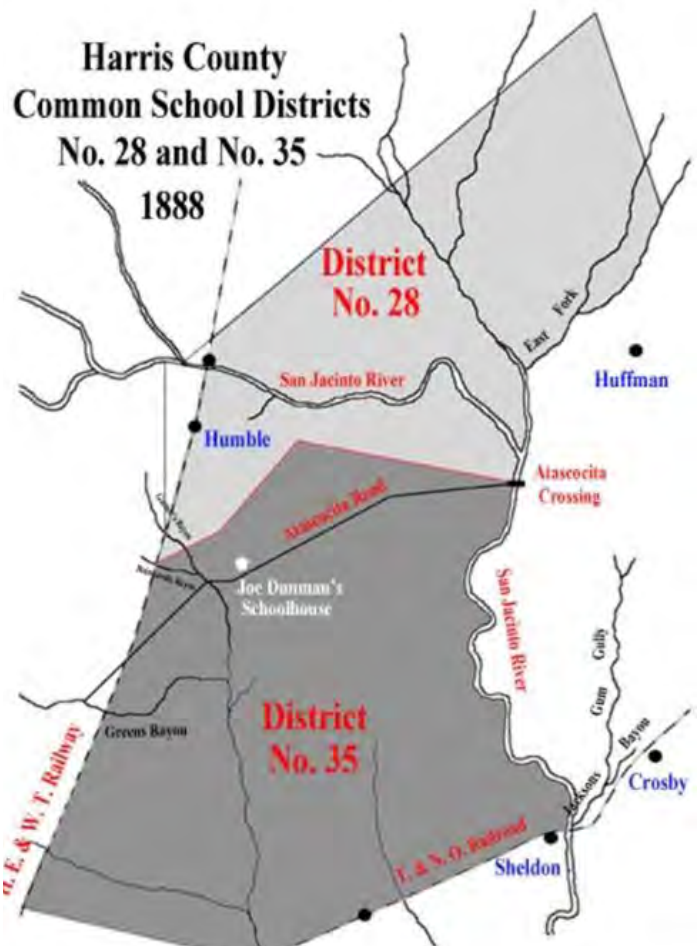


FIGURE 1.7 - Humble School District Boundaries, 1888



FIGURE 1.8 - 20th Century Saw Mill: Southeast Texas

Fast Fact:

From 1888 through the early 1900's, all of the public schools were considered Intermediate Schools (educating students in grades 1-7.) Seventh grade was typically the highest grade most students would accomplish.

After the seventh grade, most students would end their schooling to begin jobs, help on family farms, etc. Students wanting to continue into high school (grades 8-11) were required to pass a county examination in order to do so.

1904

In Nov. of 1904, the Moonshine Company struck oil in Humble (at "Echols Ridge") and the town became a tent city virtually 'over-night'. The population grew from a few hundred to several thousand. By 1905, Humble oil field was the largest producing field in Texas.

The Humble oil fields would strike again years later (1914 and 1929).



FIGURE 1.9 - Humble Oil Field

1905

West River School Growth & Expansion: From 1904 to 1905 student enrollment doubled at the West River School (District 28). A second teacher was hired to assist and a second building was added in the summer of 1905.

The following year (1905-1906) student enrollment more than tripled with 217 students! Thus, in 1906 a third building and another teacher were added and the school was equipped with a library (containing 40 volumes).



FIGURE 1.10 - West River School with Building Additions, 1909

1909

Humble School: Due to overcrowding, the Humble School Board built a new, two-story, six-classroom schoolhouse on Higgins Street to replace the wooden West River School. The county paid the Charles Bender estate $450 for the land, and a $10,000 schoolhouse bond was passed by the citizens to pay for construction of the building. The school was called the "Humble School". It housed grades 1-7,as well as two years of high school study (grades 8 and 9).

Daniel Henry Womack became the District's first Superintendent, and also served as Principal of the Humble School.

Humble petitioned to have their school listed as a county high school, which would enable them to offer a full, 4-year high school course of study to students in District No. 28 and in neighboring districts. The petition was granted, and grades 10 and 11 were added in 1911 (12th grade would not be added to the Texas school curriculum until 1941).



FIGURE 1.11 - The Humble School, 1909

1909

Woodward School: District No. 35 built a new school at Moonshine Hill in 1909 on land that was donated by the Producers Oil Company in the Moonshine Heights area. This two-room wooden schoolhouse was named the "Woodward School". However, a dispute soon erupted between the two school districts (28 and 35) over the location of the school (District No. 28 argued that the school had been built within their attendance zone).

The issue was ultimately settled by the Harris County Commissioners Court in 1914. It was confirmed that the Woodward School was built within the boundary of District No. 28. The commissioner's court gave the school to District No. 28 (including the students and the teachers).



FIGURE 1.12 - The Woodward School, 1918



FIGURE 1.13 - The Humble School serving grades 1-11

1910

The Humble School is designated as a county high school educating students from grade 1-11.

1911

The first high school students to graduate in Humble were twins (Edith and Ethel Inmann), May 1911.

John Franklin Crawford became the second superintendent for District No. 28 in 1911 and contributed to much of the growth of the District over the next eight years. He also served as Principal of the Humble School from 1911 to 1914.



FIGURE 1.14 - Students at the Humble School



FIGURE 1.15 - First Graduating Class of the Humble School (Edith Inmann Diploma)

1914

District 28 takes over ownership of the Woodward School and replaced it with a newer brick structure.



FIGURE 1.16 - New Woodward School - part of District 28

1915

By 1915, the Humble School was overcrowded due to increased enrollment. The citizens passed a $10,000 schoolhouse bond to expand, more than doubling the original size of the school.

Also in 1915, the State of Texas initiated required attendance for all students.



FIGURE 1.17 - Humble School Renovated, 1919

1917

Approval for a **New High School Building:** In 1917, construction work began on a new high school for District No. 28. The district passed a $37,000 schoolhouse bond and architect Oscar F. Holcombe was hired to build the new high school building as well as a new masonry building to replace the wooden Woodward School building.

Singleton School: Due to low enrollment, District No. 35 could no longer sustain itself. The Harris County Superintendent of Schools established a plan to combine District No. 35 with District No. 28, and at the same time, worked out funding to build a new brick building for Singleton school.

Fast Fact:

Oscar F. Holcombe (architect and owner of the construction company that built the original Humble High School building in 1917) left his construction business soon after to become the Mayor of Houston.

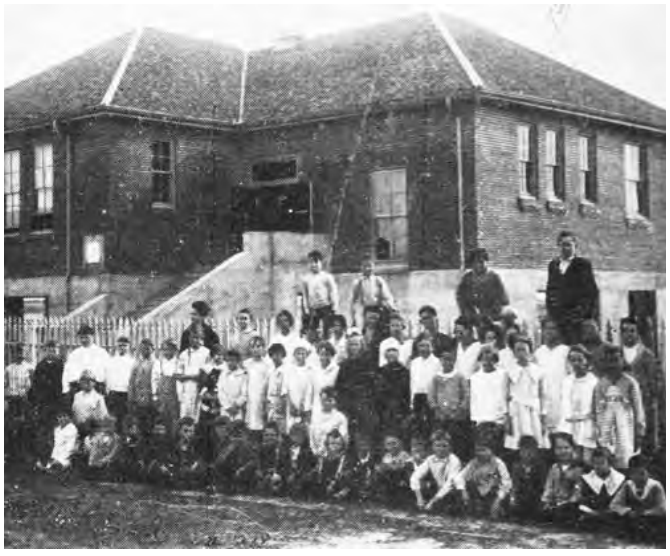


FIGURE 1.18 - The Singleton School, 1918

1918

New High School: The new high school ("Humble High School") opened on Higgins Street in September,1918 with Ms. Frances R. Hyde serving as the first principal. The building was equipped with an auditorium, superintendent's office, principal's office, and a home economics room.

Humble High School "***Impossible is Un-American***" became the motto of the school, and was printed on every page of the 1918-1919 school yearbook.

Humble High School was built on the lot next to the Humble School (renamed in 1918 as Humble Grammar School). In 1923, the street between the two schools was filled in and the school sites were joined creating a single, two-block lot of land. The District would retain ownership of this land until 2011.



FIGURE 1.19 - Map - Humble High School entry, 1918



FIGURE 1.20 - Humble High School (on Higgins Street), 1918 - 1919

School District Consolidation: In the summer of 1918, District No. 35 and District No. 28 were merged to form a new district, District No. 50. District No. 50 was comprised of the following schools:

1. New Humble High School on Higgins Street
2. Humble Grammar School on Higgins Street
3. New Woodward School at Moonshine Hill (referred to as the "Hill School")
4. New brick Singleton School on Atascocita Road
5. The "Colored School"





FIGURE 1.21 - Teacher and Students - New Woodward School at Moonshine Hill

1919

Humble Independent School District: On February 19, 1919, a Special Act of the 36th Texas Legislature led to the formation of Humble Independent School District (former Common School District No. 50).

As an independent school district, Humble schools were no longer governed by the Superintendent of Harris County Schools and the new school board became the sole governing body of the school district.

However, due to an administrative error made during the formation of the district related to the ability to tax directly, Humble ISD had to rely on Harris County for taxation of property until the error was corrected (Humble ISD was "re-authorized" during the 38th Texas Legislature in May, 1923).

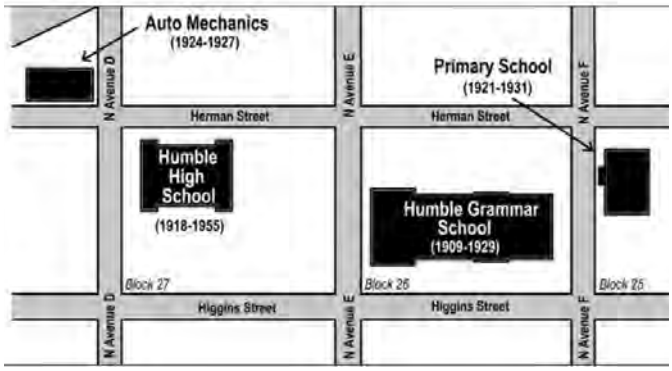


FIGURE 1.22 - School Map near Higgins Street 1901



FIGURE 1.22 - Humble High School Tennis Team, 1924

1921

New Primary School: A new primary school was opened on Avenue F and Herman Street across from the Humble Grammar School at a cost of $5,000.

In the late teens/early 1920's sports activities began at Humble High School including football, baseball, basketball, tennis, girls basketball and girls volleyball.

Auto Mechanics program began in 1924.



FIGURE 1.23 - Humble High School Auto Mechanics Shop

1926

In December 1926, Humble High School became affiliated with the Southern Association of Secondary Schools and Colleges (the second school in Harris County to have received this affiliation and among very few state-wide).

The Singleton School closed due to low enrollment.



FIGURE 1.24 - Humble High School

1929

A fire destroyed the Humble Grammar School in January, 1929. Thereafter, the citizens and school board authorized a $140,000 schoolhouse bond to construct a new junior-senior high school building.

Architect Harry D. Payne had recently built Robert E. Lee High School in Baytown and was hired to build a new, similar but slightly smaller version of the school for Humble ISD.

The school was named "**Charles Bender High School**", in honor of Charles Bender and family. This school is the oldest existing school building in the District.



FIGURE 1.25 - Humble Grammar School, 1929

1930

When Charles Bender High School opened for the 1930-1931 school year, it was equipped with a built-in cafeteria and gymnasium and was recognized as one of the most advanced schools in the county at that time.

Once Charles Bender High opened, the Humble High School building was renamed as Humble Grammar School (also referred to as Humble Elementary) and later would be utilized as Humble Junior High.



FIGURE 1.26 - Charles Bender High School

1933

The town of Humble was incorporated.

1938

In 1938 the District purchased a large tract of land on Charles Street for future growth at a cost of $2,250.

1946

New Football Stadium: The Humble Football Stadium is built on Charles Street which included home and visitors stands, a pressbox, restrooms and concession stand.



FIGURE 1.27 - Humble Football Stadium site

1948

New Humble Elementary School was built next to the football Humble Football Stadium on Charles Street. The school opened in 1948 and remained in this location until 1999 when a new campus was built behind present-day Deerbrook Mall.



FIGURE 1.28 - New Humble Elementary School on Charles Street, 1950

1950

In the 1950's droves of families began to leave the inner city of Houston to relocate in the suburbs, including the Humble area. This surge in population secured the future for Humble ISD.

Charles Bender High School Additions: The growth also resulted in some changes to Charles Bender High School.

The former 1918 Humble High School building that was re-purposed as an elementary/junior high was demolished to allow for additions at Charles Bender High, including a new cafeteria, band hall, and gymnasium.



FIGURE 1. 29 - Charles Bender High School Additions, 1950

1959

Land was purchased for a new school in the Lakeland subdivision off of Isaacks Road in 1958 for a cost of $26,000. The "Lakeland School" opened during the 1959-1960 school year serving grades 4 through 7 (students in grades 1-3 attended Humble Elementary on Charles Street). By the following year the school was renamed "Lakeland Elementary" serving grades 1-5.



FIGURE 1.30 - Lakeland Elementary School, 1960

1965

The new **Humble High School** was constructed on Wilson Road for $1,290,640. The school was 120,856 square feet on 37 acres of land.

Turner Football Stadium opened with the High School. This new 15,085 square foot facility was equipped with a pressbox, restrooms and a concession area.



FIGURE 1.31 - New Humble High School - Wilson Rd., 1965

1968

Northbelt Elementary School opened in the southern region of the District in 1968. The 28,644 square foot facility was built on 10 acres at a cost of $420,087.

During 1968-1969 school-year, Curriculum Coordinator Bill Woods introduced a new staff development initiative whereby students were released one hour early six times throughout the year to allow professional development time for the faculty. This system of staff development activities during regular school hours is still in practice today.

1969

Houston's largest airport was built on the west side of Humble (now George Bush Intercontinental Airport).

A Kindergarten program was first piloted in Humble ISD during the 1969-1970 school-year. Two half-day Kindergarten sessions of 25 students in each session was held 8:30-11:30 AM and 12:20-3:30 PM. Parents were charged a $15 per month tuition for the program. Neither transportation nor lunches were provided.



FIGURE 1.32 - Intercontinental (George Bush) Airport, 1970

1970

Development began on several Master-planned residential communities around Humble including Kingwood and Atascocita. Growth continued at a rapid pace for the District.

Several schools were constructed in the 1970's including **Foster Elementary** (1971), **Woodland Hills Elementary** (1976), **Kingwood Middle** (1977), **Bear Branch Elementary** (1978), **Elm Grove Elementary** and **Kingwood High** (1979).



FIGURE 1.33 - Kingwood Drive opened, 1970

1980

Seven schools were constructed during the 1980's including **Creekwood Middle, Greentree Elementary** and **Timbers Elementary** (1981), **Atascocita Middle** (1983), **Pine Forest Elementary** and **Deerwood Elementary** (1985), and **Willow Creek Elementary** (1988).



FIGURE 1.34 Deerwood Elementary School

1990

Multiple schools were built during the 1990's including **Hidden Hollow Elementary** (1991), **Shadow Forest Elementary**, **Kingwood High 9th Grade Campus** and new **Humble Middle** (1993), **Jack M. Fields Elementary** and **Oak Forest Elementary** (1995), **Riverwood Middle** (1991), **Quest Magnet School (**school of choice) which later became "Quest Early College High School" (1995), **Timberwood Middle** (1998), and new **Humble Elementary** (1999).



FIGURE 1.35 Riverwood Middle School

2000

A variety of new schools opened during the 2000's including the **Career & Technology Center** and **Maplebrook Elementary** (2001), **Summerwood Elementary** (2004), **Atascocita High**, **Eagle Springs Elementary** and **Park Lakes Elementary** (2006), **Kingwood Park High**, **Ross Sterling Middle** and **River Pines Elementary** (2007), **Fall Creek Elementary** (2008), **Summer Creek High** and **Lakeshore Elementary** (2009), **Woodcreek Middle** and **Atascocita Springs Elementary** (2010), and **Ridge Creek Elementary** (2013).



FIGURE 1.36 - Atascocita High School



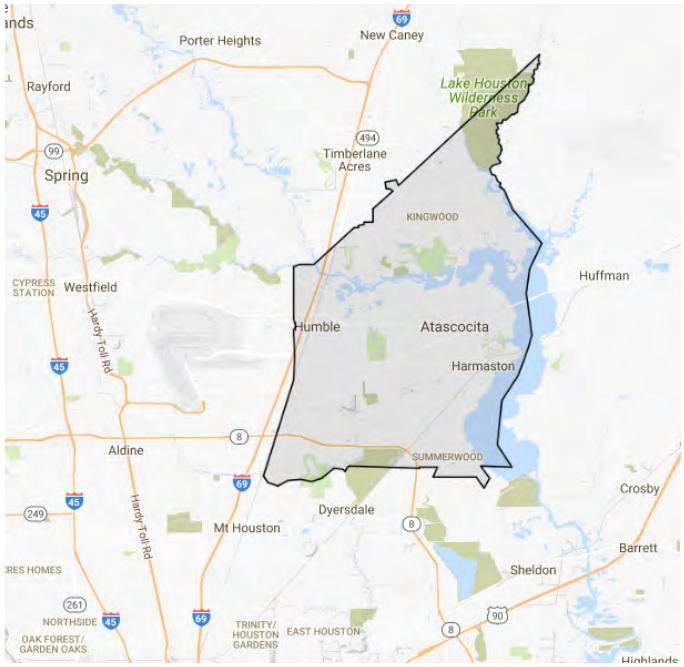


HUMBLE ISD - PRESENT-DAY

Community

Today, Humble ISD encompasses a diverse region of approximately ninety (90) square miles, and includes the communities of Humble, Atascocita, Kingwood, Summerwood, Fall Creek, and Eagle Springs.

Although close in proximity to the hustle and bustle of Houston and George Bush Intercontinental Airport, the residents in the Humble ISD communities have succeeded in adapting, modernizing and evolving through the years, while preserving the character, charm and universal appeal of the their communities and schools.















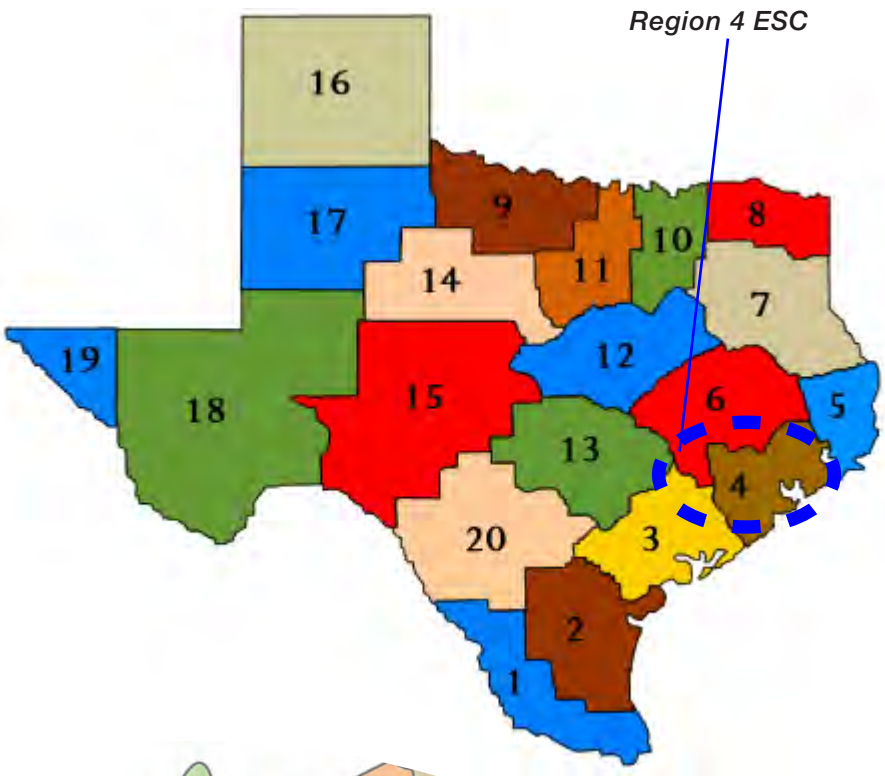


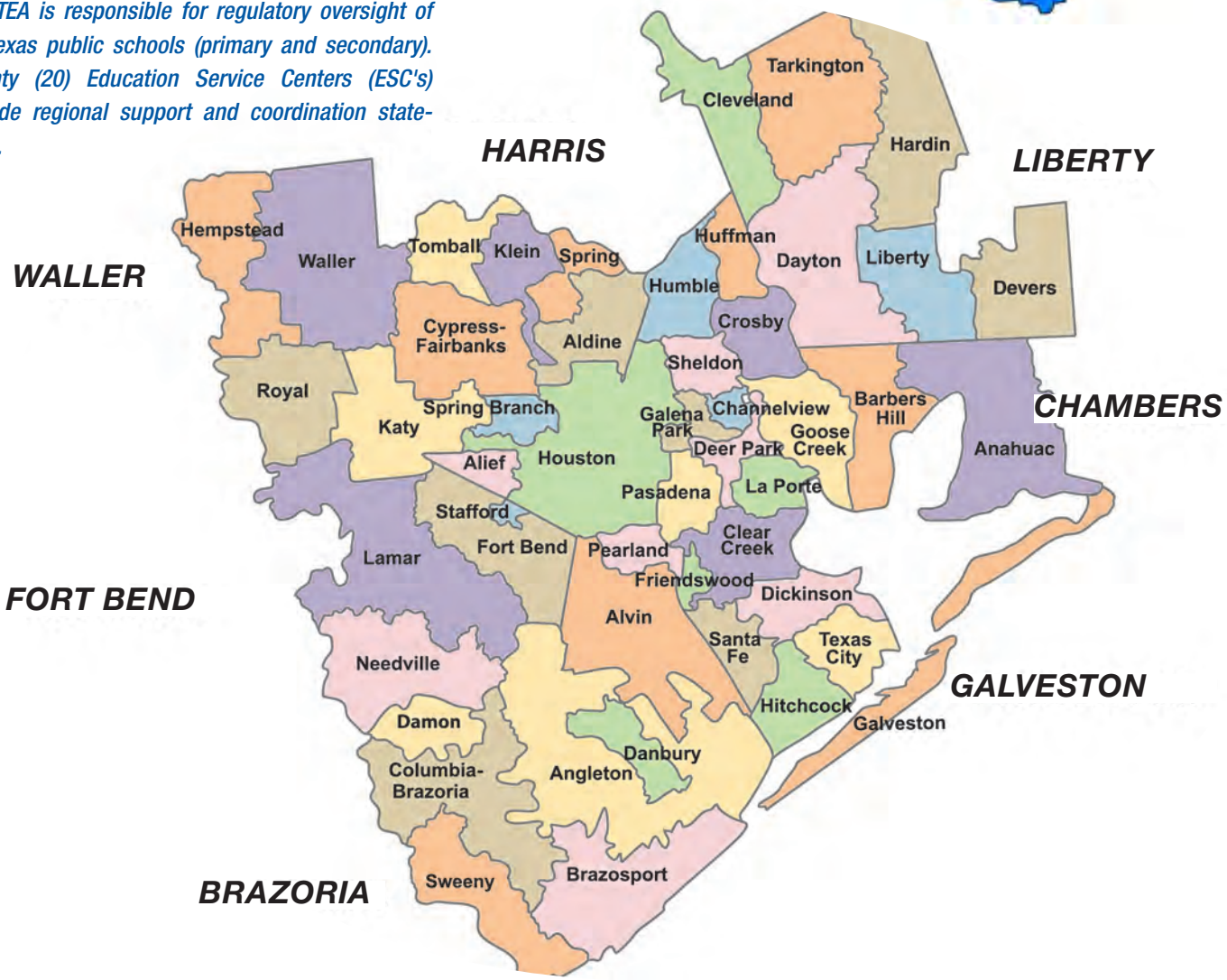


Humble ISD is fully-accredited by the The Texas Education Agency (TEA) and is a part of the Region 4 Education Service Center (ESC) domain. Region 4 spans across a seven (7) county area comprised of forty-nine (49) public school districts and thirty-nine (39) open-enrollment charter schools representing more than 1.1 million students, 94,000 educators, and 1,500 school campuses.

Fast Fact:

The TEA is responsible for regulatory oversight of all Texas public schools (primary and secondary). Twenty (20) Education Service Centers (ESC's) provide regional support and coordination statewide.





Students & Staffing

	Largest School Districts (OCT. 2015) Houston-Metro Area // Student Enrollment	
1.	Houston Independent School District	215,627
2.	Cypress-Fairbanks Independent School District	113,936
3.	Fort Bend Independent School District	73,115
4.	Katy Independent School District	72,952
5.	Aldine Independent School District	70,417
6.	Conroe Independent School District	58,239
7.	Pasadena Independent School District	56,019
8.	Klein Independent School District	50,594
9.	Alief Independent School District	47,265
10.	Clear Creek Independent School District	41,226
11.	Humble Independent School District	40,549
12.	Spring Independent School District	36,890
13.	Spring Branch Independent School District	35,301
14.	Lamar Consolidated Independent School District	27,079
15.	Goose Creek Independent School District	23,748
16.	Galena Park Independent School District	22,549
17.	Alvin Independent School District	22,183
18.	Pearland Independent School District	21,093
19.	Tomball Independent School District	14,120
20.	New Caney Independent School District	13,816
21.	Deer Park Independent School District	13,278
22.	Magnolia Independent School District	12,888
23.	Brazosport Independent School District	12,342
24.	Dickinson Independent School District	10,953
25.	Channelview Independent School District	9,335



Humble ISD is the 11th largest school district in the Houston-metro area based on student enrollment, serving approximately forty-thousand (40,000) students each year from Pre-Kindergarten through grade twelve (12).

The District employs close to five thousand (5,000) including approximately two thousand, five hundred (2,500) teachers with an average student - teacher ratio of 16:1.





By The Numbers.....

STUDENT ENROLLMENT // 2015-16

STATE OF TEXAS	5,299,728
REGION 4 ESC	1,194,099
HUMBLE ISD	40,549

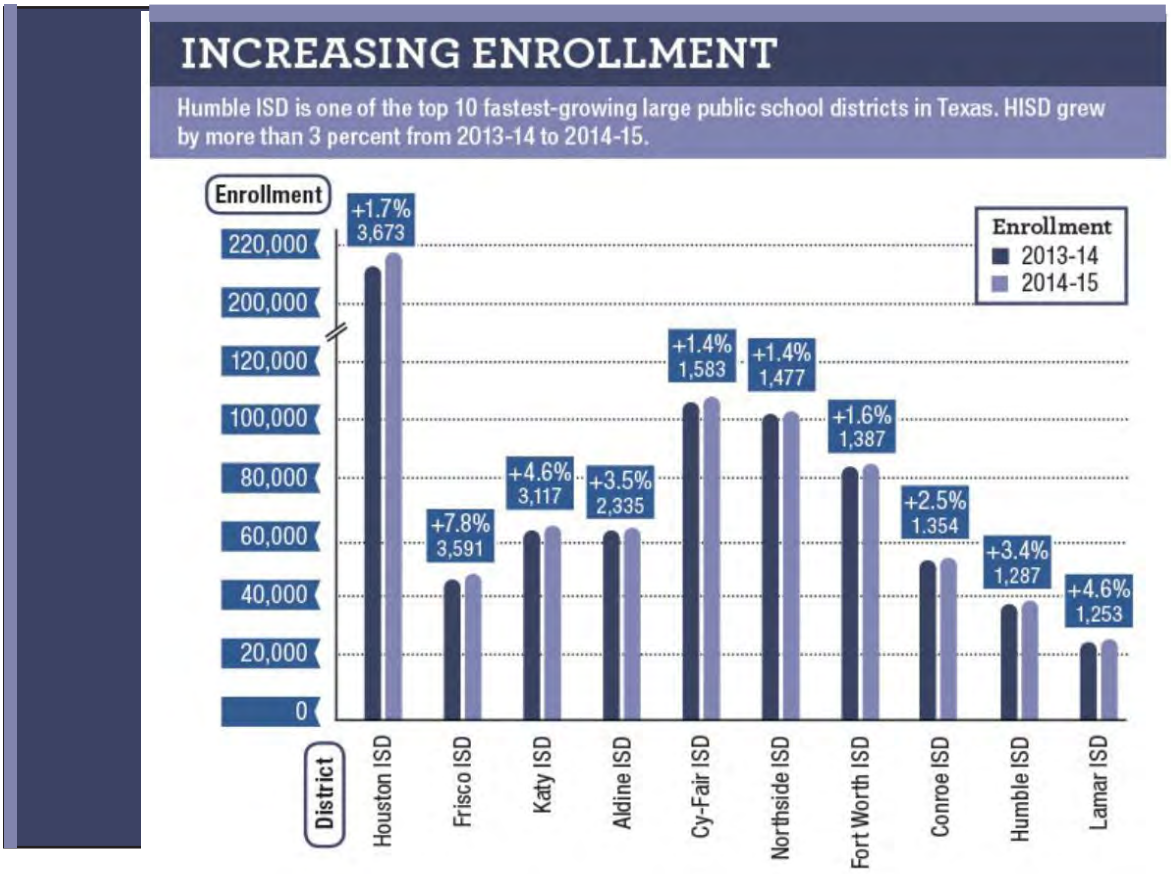


FIGURE 1.37 - Student Enrollment Growth - 2013-14 to 2014-15

Between 2009-2014, HISD's enrollment grew by 4,600 students—gaining approximately 1,000 new students each year.

Considered to be one of the top 10 fastest-growing large public school districts in the State of Texas, Humble ISD is indeed growing at a rapid pace.

The District grew by more than 3% in a one (1) year time period, from 2013-14 to 2014-15.

By 2025, District-wide enrollment is expected to surpass 50,000 based on the results of a 2015 study conducted by Population and Survey Analysts (PASA), headquartered in College Station, Texas.

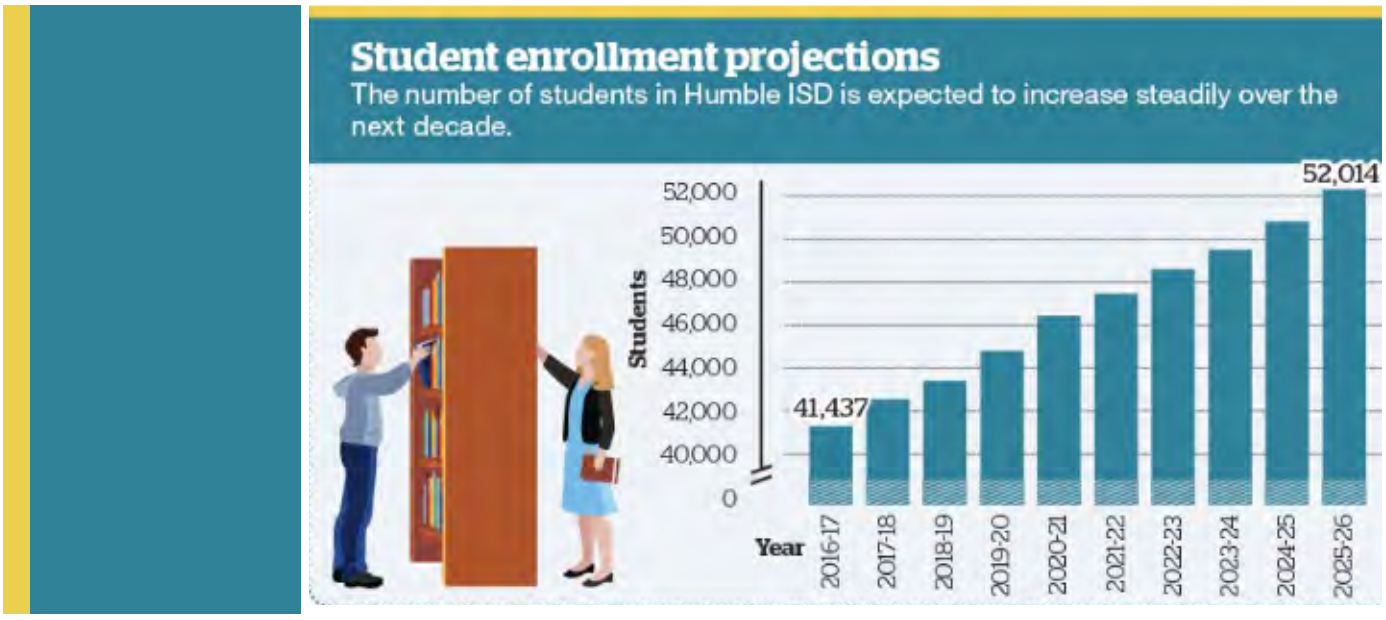


FIGURE 1.38 - Student Enrollment Projections

Governance, & Finance

Humble ISD is governed by a seven (7) member Board of Trustees and is under the day-to-day leadership of Dr. Elizabeth Fagen, Superintendent.

The District has an annual budget of more than $350 million and maintains an adequate level of reserves (including a annual minimum fund balances for the Unassigned General Fund, Debt Service Fund and Internal Service Fund in order to preserve financial stability.

Annual revenue is comprised Local (44-46%), State (53-55%) and Federal (1-2%) funding.



BUDGET BREAKDOWN

The $352 million Humble ISD budget for 2016-17 features a $2 million surplus.

	2015-16	2016-17
Local revenue	$159.9M	$164.4M
State revenue	$168.3M	$190.1M
Federal revenue	$45,000	$75,000
Total revenue	$328.3M	$354.5M
Total expenditures	$325.7M	$352.5M
Tax rate per $100 valuation	$1.52	$1.52

Notable Achievements:

- Humble ISD became the first K-12 school district to win the Excellence and Innovation in Distance Learning Award (2008-2009). Previously only colleges or universities received this honor.
- Turner Stadium was designated as the host site for the 2016 Junior Olympic Games.
- North Belt Elementary School and Humble Middle School were named 2017 Model Schools by the International Center for Leadership in Education.










Curriculum & Instruction

In addition to a traditional, well-rounded, curriculum, Humble ISD provides special education, bilingual/ESL, remedial, gifted and talented (GT), college preparatory, career and technical programs as well as an international baccalaureate program.

Gifted & Talented (GT)

Students can participate in Humble ISD's GT program beginning at the elementary school level, continuing through high school with Pre-AP, AP, IB and Honors classes.

AVID (Advancement Via Individual Determination)

The AVID program is offered to all middle and high school students as a 'bridge' to help them progress to AP level courses, and ultimately, to better prepare them for college.

International Baccalaureate

The International Baccalaureate program was established in 2008-2009 at Humble High School and is available to all high school students District-wide. To participate in this rigorous program and earn an IB diploma, students must meet arduous academic standards including four (4) years of a foreign language, one hundred fifty (150) hours of community service, several writing assignments and passage of all six (6) required IB exams. Meanwhile, the program concept has been expanded to the elementary and middle school levels with the introduction of a compatible IP program.

Dual Credit

The District provides students with opportunities to earn both high school and college credit for courses taken as a part of the Dual Credit Program through a working partnership with Lone Star College-Kingwood. Students participating in this program benefit from challenging, college-level coursework and significant cost savings as well.

Quest Early College High School

Though a partnership with Lone Star College-Kingwood, qualified students can essentially attend high school and college simultaneously. Located on the Lone Star College-Atascocita Center campus, students can earn both a high school diploma and an Associate's degree or up to two (2) years of college credit toward a Bachelor's degree.









Career & Technical Education (CTE)

Humble ISD CTE program aims to provide students with business/industry exposure and training as a part of their high school experience. Some CTE is also available at the Middle School level. Participating students receive classroom instruction in addition to hands-on application in real-world, technical environments. The goal of the CTE program is to "ensure that students are prepared to succeed in post secondary education and in a world that is increasingly oriented toward highly skilled jobs."

Texas high school students need to gain proficiency in 21st century skills, and the state of Texas needs college and workforce-ready graduates for a 21st century economy.







STEM Academy

A STEM Academy was established at Humble High School for the 2016-17 school year, designating Humble High as one (1) of only one hundred twenty-one (121) campuses state-wide to have completed the designation process since the program began back in February of 2013. Through the STEM Academy, the District aims to improve instruction and academic performance in math and science-related subjects and increase the number of students who study and enter STEM careers. Students with a keen interest in mathematics, science, engineering and technology have the opportunity to participate in the Academy.

Facilities

Humble ISD maintains a facility inventory of forty-three (43) school campuses in addition to a variety of District-wide support facilities totaling more than six million (6,000,000) square feet on more than 824 acres of land. Humble ISD facility assets include:

- five (5) traditional high schools and an early college high school for students in grades nine (9) through twelve (12);
- eight (8) middle schools;
- twenty-seven (27) elementary schools; and
- a career and technology education (CATE) center.

Additionally, the District maintains a Community Learning Center, as well as a variety of Administrative, Athletic and Operational facilities.

Students can earn both a high school diploma and an Associate's degree or up to two (2) years of college credit toward a Bachelor's degree.

Facility Map: Legend

HIGH SCHOOLS

1. Atascocita High School
2. Humble High School
3. Kingwood High School
4. Kingwood Park High School
5. Summer Creek High School

MIDDLE SCHOOLS

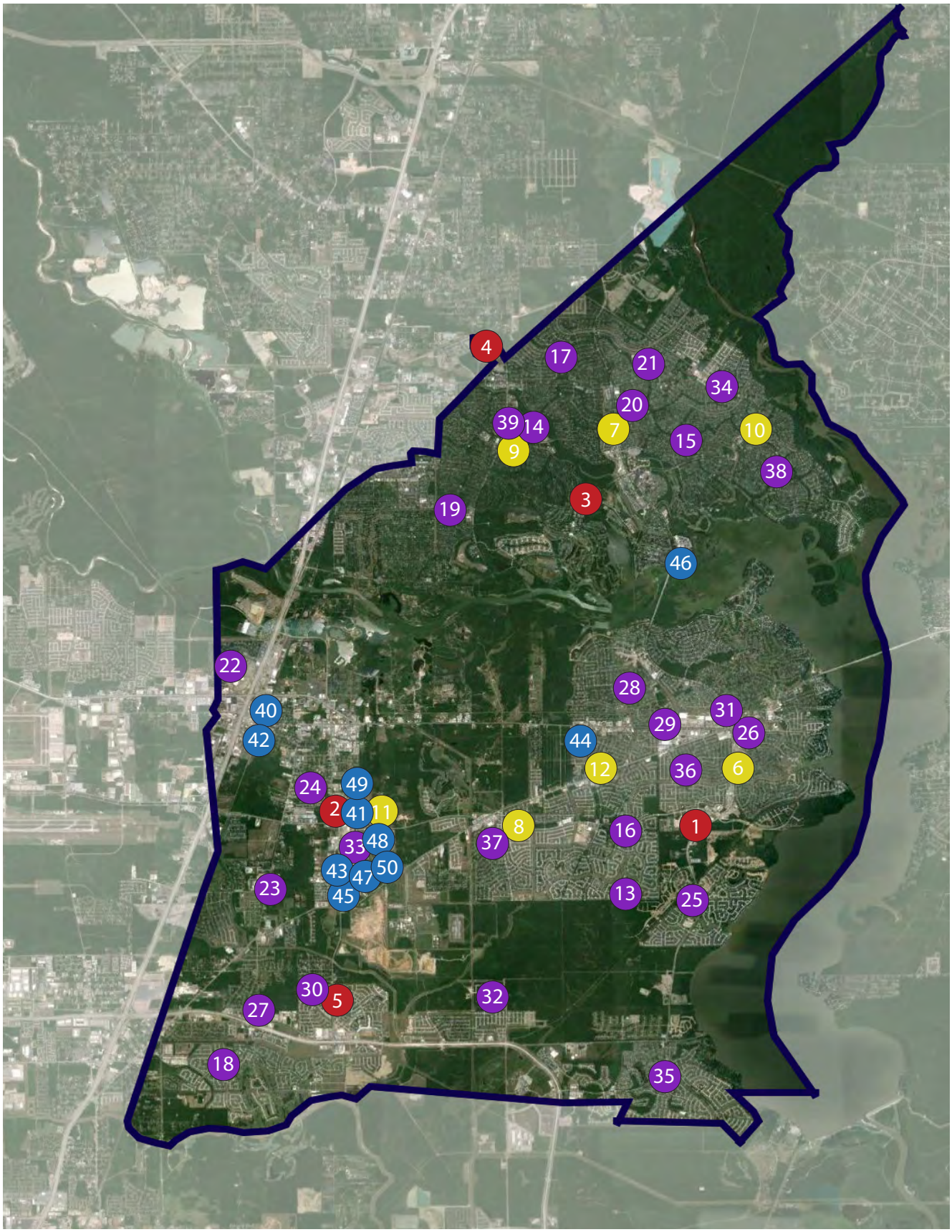
6. Atascocita Middle School
7. Creekwood Middle School
8. Humble Middle School
9. Kingwood Middle School
10. Riverwood Middle School
11. Ross Sterling Middle School
12. Timberwood Middle School

ELEMENTARY SCHOOLS

13. Atascocita Springs Elementary School
14. Bear Branch Elementary School
15. Deerwood Elementary School
16. Eagle Springs Elementary School
17. Elm Grove Elementary School
18. Fall Creek Elementary School
19. Foster Elementary School
20. Greentree Elementary School
21. Hidden Hollow Elementary School
22. Humble Elementary School
23. Jack Fields Elementary School
24. Lakeland Elementary School
25. Lakeshore Elementary School
26. Maplebrook Elementary School
27. North Belt Elementary School
28. Oaks Elementary School
29. Oak Forest Elementary School
30. Park Lakes Elementary School
31. Pine Forest Elementary School
32. Ridge Creek Elementary School
33. River Pines Elementary School
34. Shadow Forest Elementary School
35. Summerwood Elementary School
36. Timbers Elementary School
37. Whispering Pines Elementary School
38. Willow Creek Elementary School
39. Woodland Hills Elementary School

SUPPORT FACILITIES

40. Administration Building
41. Career & Technology Education Center
42. Charles Street Stadium
43. Child Nutrition Center
44. Community Learning Center
45. Emergency Operations Center
46. Instructional Support Center
47. Maintenance Building
48. Transportation Building
49. Turner Stadium
50. Warehouse Building


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MISSION STATEMENT

"Our purpose, in partnership with families and community, is to develop each child **intellectually**, **artistically**, **emotionally**, **physically**, and **socially** so that *all* students are **life-long learners**, **complex thinkers**, **RESPONSIBLE GLOBAL CITIZENS** and **effective communicators**."

VISION

"**We envision schools** where students and staff are **ENTHUSIASTICALLY ENGAGED** in **LEARNING** within local and virtual environments.

We see schools that encourage ***COLLABORATION*** and cultivate a sense of **BELONGING**.

We see learning standards that are *rigorous* and *relevant*. **We see learning standards** that inspire **CREATIVITY** and **PROBLEM SOLVING**.

Ultimately, **we see schools** that prepare students for many paths and that empower them with the skills to successfully live in a rapidly changing world."











DISTRICT GOALS

1 STUDENT PREPAREDNESS

Prepare students to be college and career ready.

2 QUALITY SERVICE

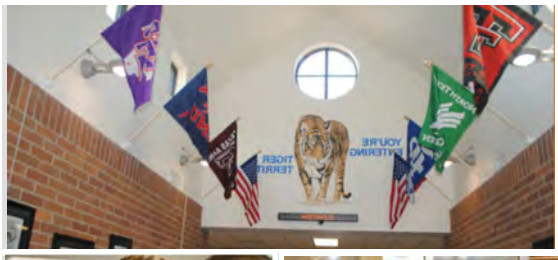
Provide quality service to internal and external customers.

3 QUALITY WORK ENVIRONMENT

Provide a quality work environment so every employee can perform at the highest levels..

4 EFFICIENCY

Create efficiencies at all levels of the organization.









2017 Facilities Assessment
2017-2027



helping

focus



improve



advance

compliant

quality



performance



excellence

innovative





pioneering

progress



enhance

diverse

partnership

integrity





FINDINGS & DIRECTIONS

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Existing School Facilities 3.4

Support Facilities 3.7

Utilization & Unifiers Study 3.8

3

FINDINGS & DIRECTIONS

After extensive studies of the facilities and programs related to their areas of responsibility, the New Facilities, Existing Facilities, Instructional Support Facilities and Administrative Support Facilities Task Forces documented their findings and directions as a basis for the proposed facilities documented in the following chapters.

The findings and directions noted below are related to demographics and capacities; District-wide program needs and changes; as well as maintenance needs. Humble ISD's facilities have been very well maintained. The maintenance items identified in this chapter, as well as subsequent chapters, reflect needs generated by anticipated wear and pending life-cycle costs in the coming years.





The summary report provides observations, conclusions and recommendations for both new and existing facilities across a wide array of building systems, programs and educational spaces.

NEW SCHOOL FACILITIES

Findings

Demographic projections published February, 2016 predict that the District will grow from 41,473 students in 2016 to over 52,000+- in 2026. This is an increase of over 10,000 students. Each year over the next decade, the District will add an average of 430 elementary students; 252 junior high school students; and 376 high school students per year. Humble ISD is currently ranked #9 of the fastest growth school districts in the state of Texas.

Directions

New Humble ISD permanent school facilities are to be planned for the following capacities:

- Elementary Schools – 950
- Middle Schools – 1,110
- High Schools – 3,200

The current demographic projections for the next ten (10) year period predict a need for:

- Elementary Schools – Four (4) new schools.
- Middle Schools – Two (2) new middle schools (including #9 to open in 2018 in The Groves).
- High Schools – One (1) new high school.

EXISTING SCHOOL FACILITIES

ELEMENTARY SCHOOL - CLASSROOM ADDITIONS

Findings

With increased enrollment, there is a need for additional classroom space at (4) campuses.

Directions

Provide classroom additions at identified elementary schools: Fall Creek, Lakeland, Timbers and Whispering Pines as identified in individual campus reports.

ELEMENTARY SCHOOL - ENCLOSED MULTI-PURPOSE ROOMS

Findings

There is a need for an enclosed multi-purpose room at elementary school campuses that do not have an enclosed gymnasium/cafeteria.

Directions

Provide an enclosed multi-purpose room at specified elementary school campuses. Current campuses identified: Bear Branch, Deerwood, Eagle Springs, Elm Grove, Fall Creek, Fields, Foster, Greentree, Hidden Hollow, Humble, Maplebrook, North Belt, Oak Forest, Park Lakes, Pine Forest, River Pines, Shadow Forest, Summerwood, Timbers, Whispering Pines, Willow Creek and Woodland Hills.

MIDDLE SCHOOL - CAREER TECHNOLOGY

Findings

With increased enrollment, career technology facilities on many campuses are too small and are in need of modifications to accommodate current career and technology programs.

Directions

Provide appropriate space for career technology facilities at certain campuses as noted in the individual campus reports to include lab spaces with a “clean” side for computer stations separated from the shop areas and classrooms renovated to meet the needs of specific CTE programs.

ADA/TDLR COMPLIANCE

Findings

While the District has modified many of the older campuses to be compliant with current ADA and TDLR requirements, several of the older campuses still require varying levels of modifications to meet ADA and TDLR requirements.

Directions

Where practical, establish a plan to bring all campuses into compliance with ADA and TDLR requirements. ADA and TDLR modifications are identified on individual campus reports.

CAMPUS ADMINISTRATIVE PERSONNEL

Findings

Elementary and middle school campuses are experiencing cramped spaces for administrative personnel and daily activities.

Directions

Where appropriate, provide additional spaces for offices, secretarial personnel, conference rooms, and storage at certain campuses as identified on individual campus reports.

HVAC EQUIPMENT

Findings

Though well-maintained, some HVAC equipment has been operating well beyond its normal life expectancy. Life-cycle studies have indicated a need for replacement of varying systems on numerous campuses.

Directions

Continue the general program to replace/update HVAC components over time as identified based on life-cycle studies and identified on individual campus reports.

ROOFING SYSTEMS

Findings

Existing roofs are generally well-maintained and seem to be meeting or exceeding their anticipated life expectancy. However life-cycle studies have indicated a need for replacement of several roof systems throughout the District.

Directions

Continue current roof maintenance programs and repair/ replace as required or as identified on individual campus reports.

BUILDING SECURITY AND ELECTRONIC ACCESS CONTROL

Findings

Many campuses have been updated with secure vestibules and controlled access. However, some campuses at varying levels do not have complete controlled access and require modifications.

Directions

Provide for renovated design to control public access as indicated on individual campus reports.

Provide bullet resistant glazing or film, and access control at main exterior doors to help control access into facilities as identified.

AUTOMATED BUILDING CONTROL SYSTEMS AND LOW VOLTAGE SYSTEMS

Findings

Changes in codes and technology have dated the intercom, fire alarm, and HVAC control systems at certain campuses.

Directions

Update intercom, fire alarm, and HVAC control systems across the District to address code and life-cycle issues as identified on individual campus reports.

MODIFICATIONS TO IDFs AND MDFs

Findings

In order to ensure the integrity and security of District technology equipment, the following infrastructure deficiencies have been identified at various campuses:

- Modifications needed to allow for dedicated secure rooms for IDFs and MDFs if not currently located in a separate secure room.
- Dedicated circuits and emergency power circuits needed for MDFs and IDFs as indicated on individual campus reports.

Directions

Work with the Technology Department in developing a phased plan to implement these deficiencies as noted on individual campus reports.

HIGH SCHOOL ATHLETICS

Findings

High School campuses are in need of a third gymnasium to meet growing program needs and capacity.

Directions

Provide a third gymnasium at each high school campus as identified.

MIDDLE SCHOOL ATHLETICS

Findings

Certain campuses do not meet District standards for boys' and girls' locker rooms and are outdated and/or in need of major renovations.

Directions

Renovate existing locker rooms and weight rooms in order to meet District standards as indicated in individual campus reports. Middle School campuses identified: Atascocita, Creekwood, Humble, Kingwood, and Riverwood.

ATASCOCITA HIGH SCHOOL CLASSROOM ADDITION

Findings

Atascocita High School is currently over capacity. At the time of this assessment the actual enrollment has exceeded the design capacity.

Directions

If there is not enrollment relief, the current enrollment warrants a ten (10) classroom addition.

HUMBLE HIGH SCHOOL CAFETERIA AND LIBRARY RENOVATIONS

Findings

The current cafeteria and kitchen needs major renovations and is undersized for the current enrollment. Additionally, the cafeteria is cluttered with columns and the size-to-ceiling height ratio is very uncomfortable and does not meet other Humble ISD high school cafeteria standards. Expansion of the cafeteria is limited by the library above. The library is also undersized for the current enrollment and does not meet current District standards for library spaces. The library is in need of a major renovation to include current instructional technology, collaboration spaces, mobile and flexible shelving and/or furniture.

Directions

Renovate and expand the existing cafeteria toward Wilson Road and also expand vertically into the existing library space. Renovate and relocate portions of the library spaces to allow a taller cafeteria ceiling. Renovate and expand the kitchen. Provide a new library addition at the north side of the high school (near classroom areas) to accommodate the deficiencies noted above.

BUILDING RENOVATIONS

Findings

Though well maintained, the following campuses are older campuses and are candidates for various levels of major renovations and/or possible building replacements as identified in the individual campus reports: Bear Branch ES, Deerwood ES, Timbers ES, Elm Grove ES, Lakeland ES, Foster ES, Pine Forest ES, Whispering Pines ES, Woodland Hills ES and Kingwood MS. Areas of renovation would include major mechanical, electrical and plumbing systems, classroom modernizations and/or additions, technology upgrades, building finishes, restroom and kitchen renovations, safety and security upgrades or total building replacement depending on the final assessment cost of long term renovations.

Directions

Provide a general program and cost to renovate or replace these facilities as identified. A study of the individual campus renovation items identified as compared to replacement is required.

SUPPORT FACILITIES

NEW CAREER AND TECHNOLOGY EDUCATION CENTER

Findings

A need for a new (preferably centralized) facility to house relevant career and technology based CTE programs, which are too costly to duplicate on each high school campus, was identified.

Directions

Provide a study for a new, and preferably centrally located, facility to house District-wide CTE programs. Detailed program to be determined.

NEW PRE-KINDERGARTEN CENTER

Findings

Pre-Kindergarten spaces at individual campuses are causing space conflict with special needs programs.

Directions

Because of space needs on individual campuses and if the District Pre-K program is expanded to full day, centralized Pre-K facilities should be studied. Detailed program to be determined.

NEW EARLY COLLEGE HIGH SCHOOL

Findings

There is an identified need for a District Early College Facility that would meet the growing interest within the District and also help to relieve Humble High School.

Directions

Provide a study for a new Early College Campus facility. A new facility could be centrally located (unidentified site) or on District owned property adjacent to Humble High School. Detailed program to be determined.

NEW DISTRICT NATATORIUM

Findings

The District does not have a natatorium suitable to house District or Regional swim meets.

Directions

Provide a study for a new District natatorium to house an 8 lane, long course competition pool and 1,200 spectator seating. New facility could be built on District owned property adjacent to Turner Stadium and utilize existing parking lots. Detailed program to be determined.

NEW NORTH TRANSPORTATION CENTER

Findings

The existing transportation center and adjacent site are over capacity and very congested. A second transportation center, strategically located in the northern area of the District would greatly reduce travel times; reduce operational costs and increase efficiencies.

Directions

Establish a study for a satellite transportation center in the north side of the District with approximately 175 auto spaces; 150 bus spaces; transportation offices and support space; maintenance building and support spaces; bus wash and fuel station. Property unidentified and detailed program to be determined.

POLICE STATION EXPANSION AND EMERGENCY OPERATIONS CENTER (EOC)

Findings

The police station is currently being used as both the District Police Station and Emergency Operations Center. The existing facility does not have enough space for the growing need for both uses and the existing configuration does not work efficiently for both uses.

Directions

Provide a study for an addition to the existing facility that addresses both program and growth needs for both programs.

7,500 SEAT MULTI-PURPOSE ARENA

Findings

The District does not have a multi-purpose arena to house large events and graduations.

Directions

Provide a study for a new 7,500 seat multi-purpose arena (property unidentified to be centrally located) to include removable wood floor, portable basketball goals, lower section of retractable bleachers, video system, cameras, and large format screens. Detailed program to be determined.

NEW AG BARN

Findings

The current District Ag Barn which serves Kingwood High School and Kingwood Park High School was severely damaged during Hurricane Harvey and cannot be rebuilt on the existing site due to being located in the floodway.

Directions

Provide a study for a new Ag Barn facility to serve two (2) high schools to include pens; wash area; grooming area; small air conditioned office; restrooms and lockers; large fans and spot heaters; parking area; typical drainage and open detention; as well as pasture fencing. Detailed program and location to be determined.

UTILIZATION & UNIFIERS STUDY

UTILIZATION & UNIFIERS STUDY

Findings

During the summer of 2012, Humble ISD commissioned the "Utilization & Unifiers Study". The "unifier study" compared all existing campuses with respect to capacity, space utilization, current campus curriculum programs, safety and security, educational appropriateness, and site related items such as fencing, parking, jogging tracks, covered play areas and lighting. The purpose of the study was to identify inequities and inefficiencies at the elementary level across the District and to allow a plan moving forward that would address identified items appropriately.

Directions

Incorporate the "unifier study" items into the current facilities assessment with appropriately assigned priorities and revisit current cost related to each item that was identified in 2012.

HUMBLE INDEPENDENT SCHOOL DISTRICT
HUMBLE, TEXAS
HARRIS COUNTY

2017 Facilities Assessment
2017-2027



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progress

enhance



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integrity

partnership





PBK

DEMOGRAPHICS & CAPACITIES

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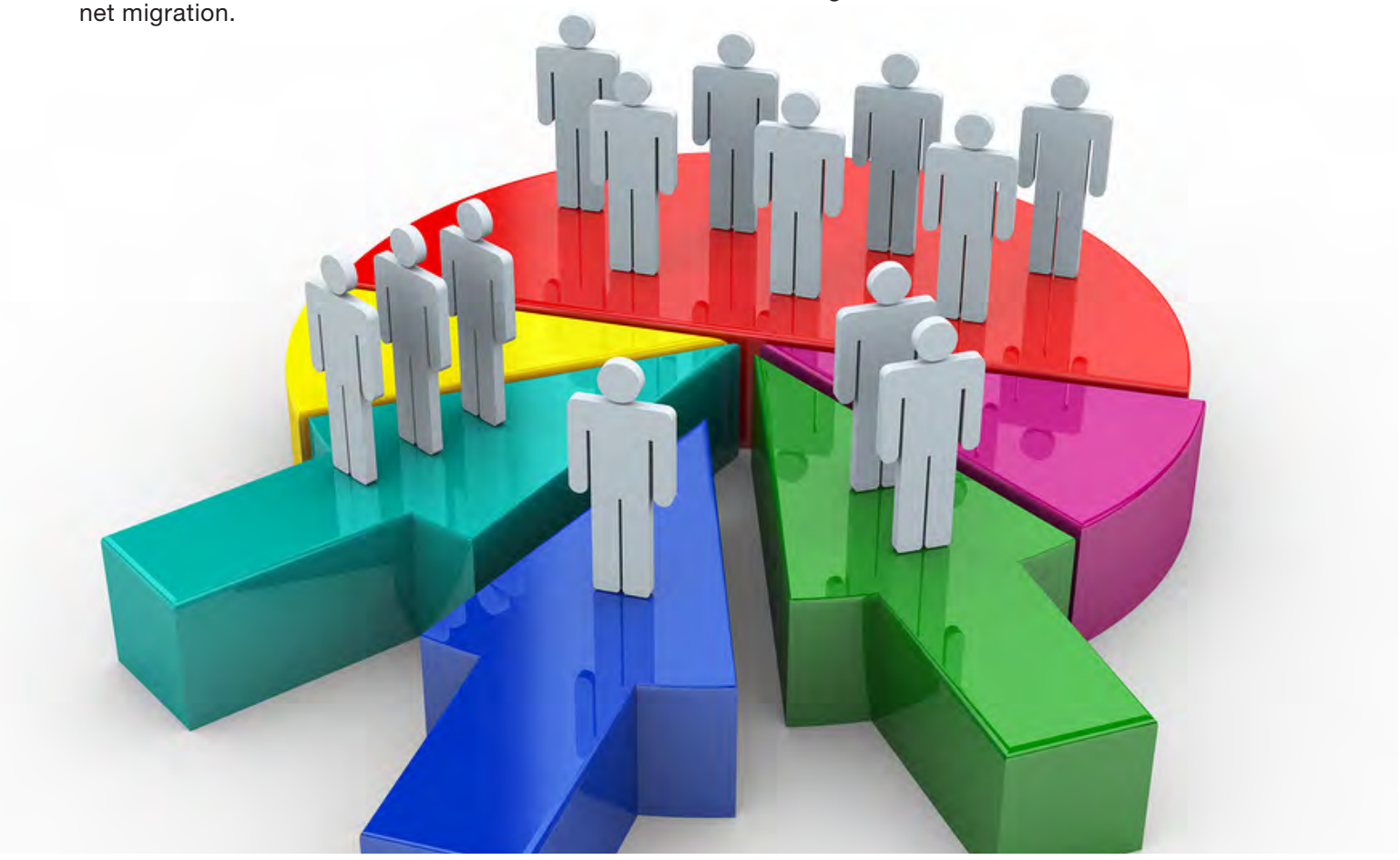
Capacities of Future Schools 4.22

INTRODUCTION

When it comes to strategic planning, 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, Humble ISD routinely engages "Population and Survey Analysts" (PASA), an experienced and well-regarded consulting firm based in College Station, Texas to provide demographic and enrollment data for use decision-making, budgeting, staffing and more.



REGIONAL DEMOGRAPHICS

Harris County is largest county in the State of Texas based on population, with more than 4.5 million residents in 2015, with a 30% growth rate since 2000.

Harris County Facts & Figures

Total Area	1,778 Square Miles
Population	4,538,028 (2015, est.)
Nativity & Foreign Born	
• Native U.S.	75%
• Foreign Born	25%
Race	
• Hispanic or Latino	42%
• White	31%
• Black or African American	19%
• Asian	7%
• Other	1%
Language other than English spoken at home	43%
Median Age	33 years
Education	
• High School Grad	79%
• Bachelor's Degree	29%
No. of Households	1.5 million
Median Home Value	$133,400
Median Household Income	$53,822
Per Capita Income	$28,454
Unemployment Rate	4.6% (2015) 5.8% (July, 2016)
Poverty Rate	18%





The population in Harris County increases by more than 80,000 people each year. By 2025, county population is projected to exceed 5.5 million.

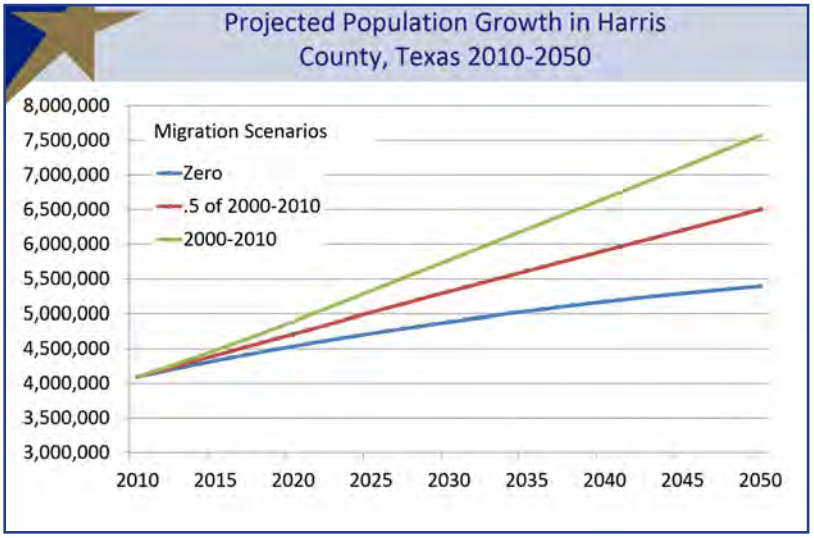
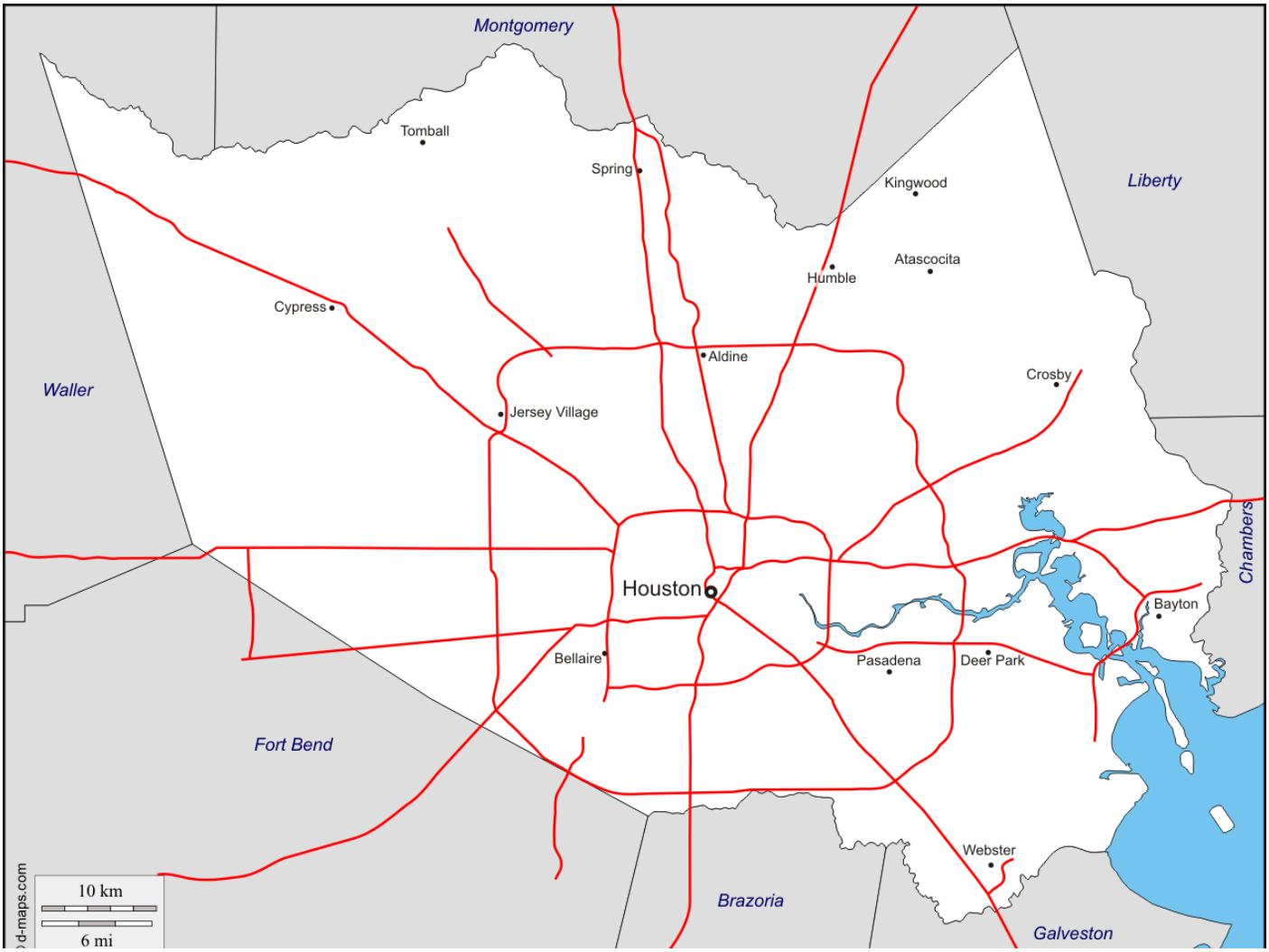


FIGURE 3.1 - Texas State Data Center 2012 Population Projections

Fast Fact:

Harris County is the third (3rd) largest county in the U.S. based on population and one of the fastest growing counties, with 63% growth since 1990.

Over a twenty-five (25) year period, Harris County's population has grown more than twice as fast as that of the nation.



Unlike many large counties in the United States, the unincorporated regions within Harris County are quite expansive. This area of the county is so large in fact, that if it were to be incorporated as its own city, it would rank as the 2nd largest city in the State of Texas; the 5th largest in the nation, with a total population that would exceed that of twelve (12) current U.S. states.

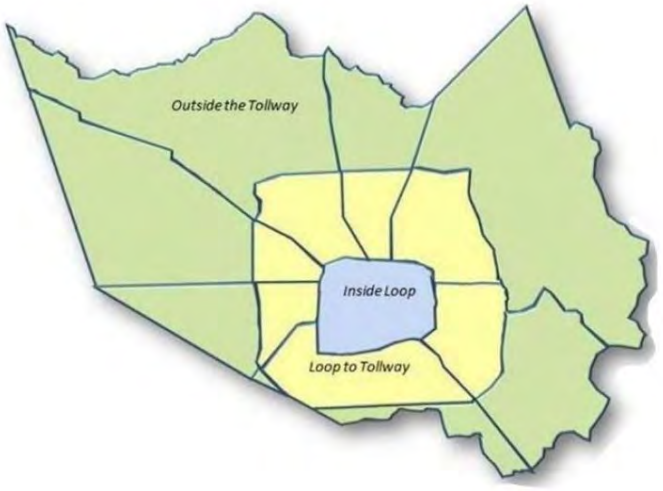
Over 80% of the growth in Harris County since 2000 has been in the unincorporated regions. In 2000, unincorporated Harris County accounted for 31% of the total County population; today it represents approximately 42%.



FIGURE 3.2 - Harris County Office of Budget Management - Population Study, Feb., 2017

Migratory trends show that the population in Harris County continues to move outside of the Sam Houston Tollway "outer loop". In the 2000 census, 43% of county residents were located in this area and today, those living outside the Sam Houston Tollway "loop" represent approximately 51% of the total county population.

Additionally, residential property growth in the last ten year period increased by 13.2% throughout Harris County, compared to only 2.9% within the city limits of Houston.



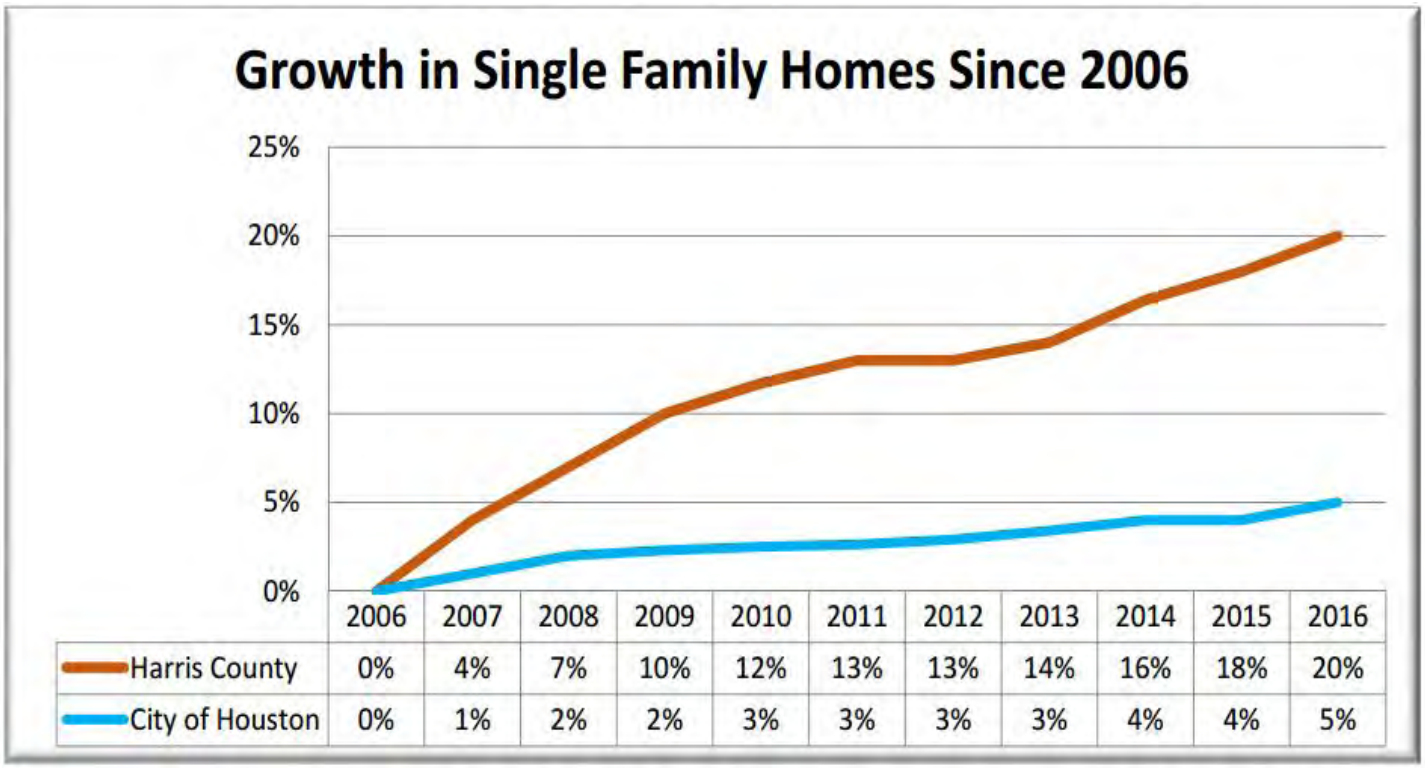


FIGURE 3.3 - Harris County Office of Budget Management - Population Study, Feb., 2017





Since 2000, the population in unincorporated Harris County has grown five (5) times faster than the population of the cities located within the county (4.1% to 0.7% comparatively).

With the population in Harris County predicted to exceed 5.5 million by 2025, based on the historical rate of growth, the population in the unincorporated region should surpass that of the City of Houston in 2020, reaching an estimated 2.8 million by 2025.



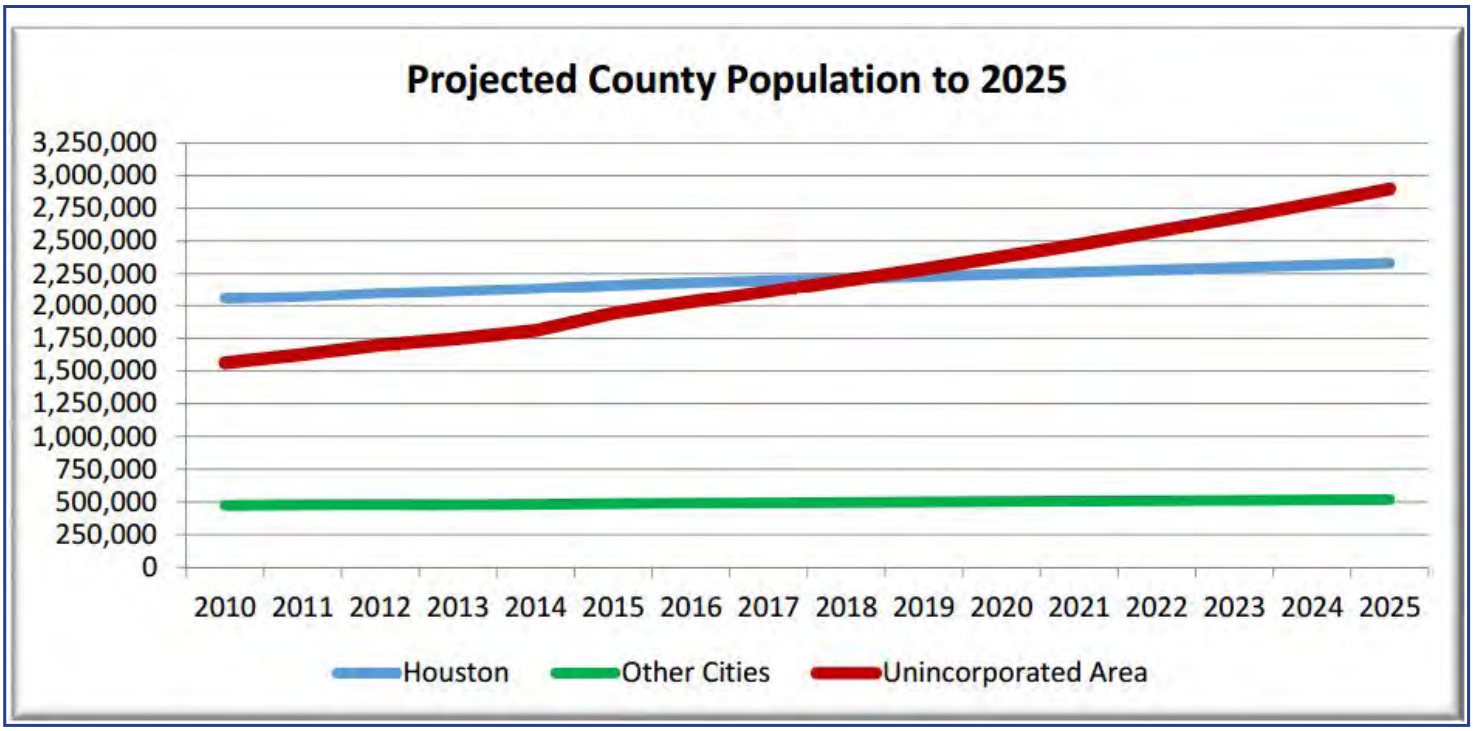
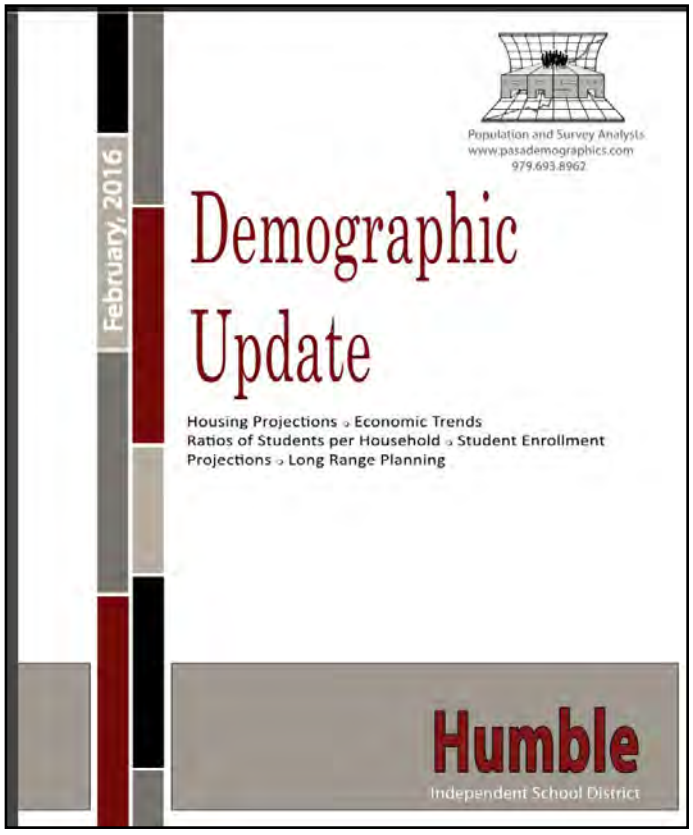


FIGURE 3.4 - Harris County Office of Budget Management - Population Study, Feb., 2017

Specializing in work with public school districts specifically, PASA is the largest demographic firm in Texas and has served Humble ISD for more than a decade.

In 2015, PASA conducted a Demographic Update for Humble ISD. The Demographic Update included a study of current student locations; trends occurring in student relocation patterns throughout the District; potential growth based on new housing; and relevant economic factors both locally and nationally. Information related to student enrollment utilized during the study was based on Pre-PEIMS enrollment estimates as of September, 2015.

The 2015 Demographic Update study findings were published in a final report dated February, 2016. These study results were utilized throughout the long-range facility master planning process. Additional sources of data are cited herein including U.S. Census, Office of the State of Texas Demographer, Harris County (harriscountytx.gov,) and more.



DISTRICT DEMOGRAPHICS

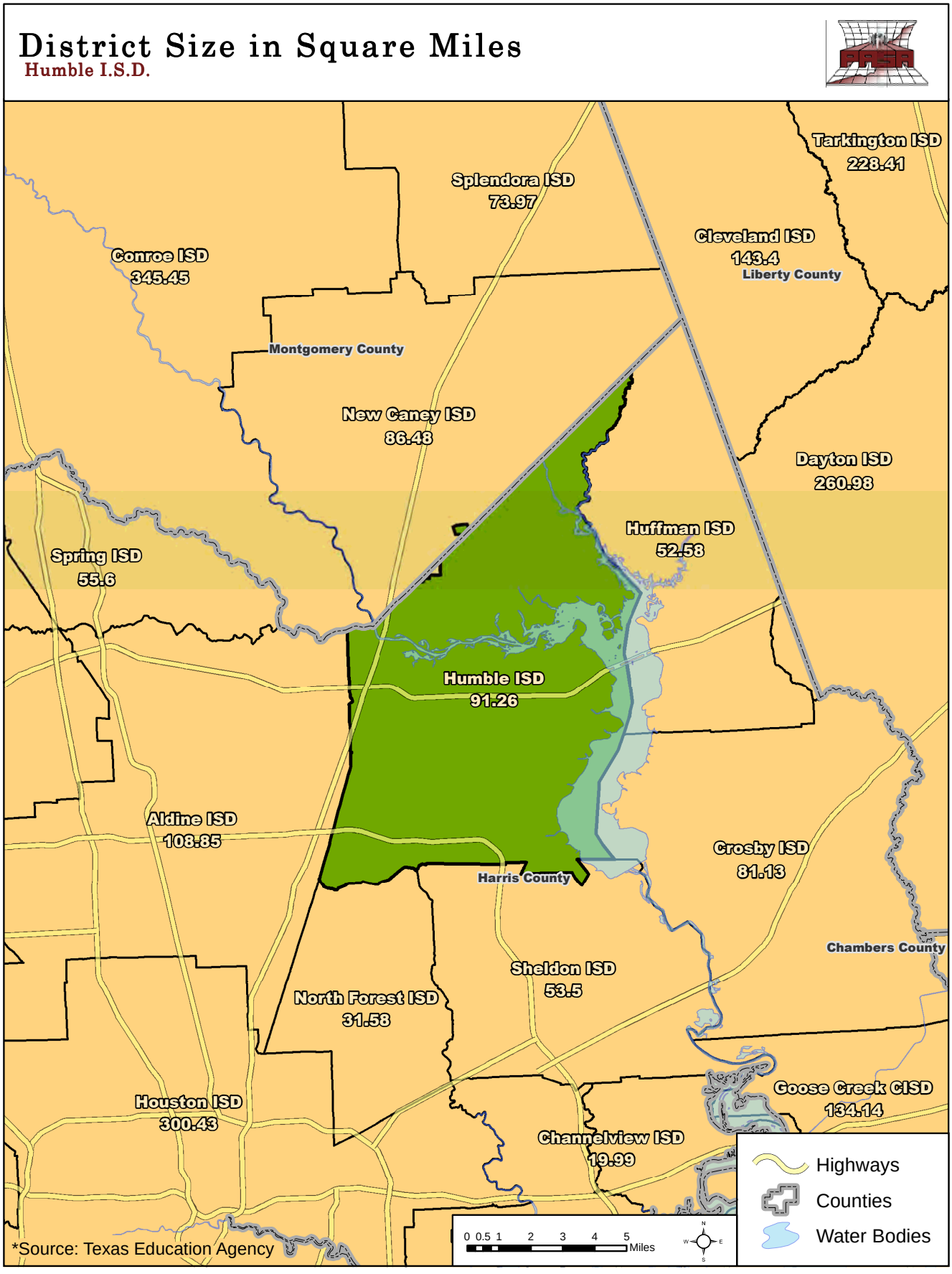
District Boundary Area	91.26 Square Miles
Population	186,616
Race	
• Hispanic or Latino	34.06%
• Black or African American	19.11%
• Asian	2.98%
• Other (White, etc.)	43.83%
Median Age	35 years
Education	
• High School Grad	79%
• Bachelor's Degree +	36%
Median Household Income	$82,380
Unemployment Rate	6.2% (2014)





The District has a strong economic base and is home to a wide variety of industries including educational and medical services (23% of the workforce); professional, scientific and management (11%); and transportation, warehousing and utilities (9%).

Approximately 9% of the Humble ISD student population qualify as Limited English Proficient and Bilingual/ESL. Over 33% are eligible or the free/reduced price lunch program.


District Size in Square Miles
Humble I.S.D.
Tarkington ISD
228.41
Splendora ISD
73.97
Cleveland ISD
143.4
Liberty County
Conroe ISD
345.45
Montgomery County
New Caney ISD
86.48
Dayton ISD
260.98
Huffman ISD
52.58
Spring ISD
55.6
Humble ISD
91.26
Aldine ISD
108.85
Crosby ISD
81.13
Harris County
Chambers County
Sheldon ISD
53.5
North Forest ISD
31.58
Goose Creek CISD
134.14
Houston ISD
300.43
Channelview ISD
19.99
Highways
Counties
Water Bodies
0 0.5 1 2 3 4 5
Miles
*Source: Texas Education Agency

ENROLLMENT PROJECTIONS

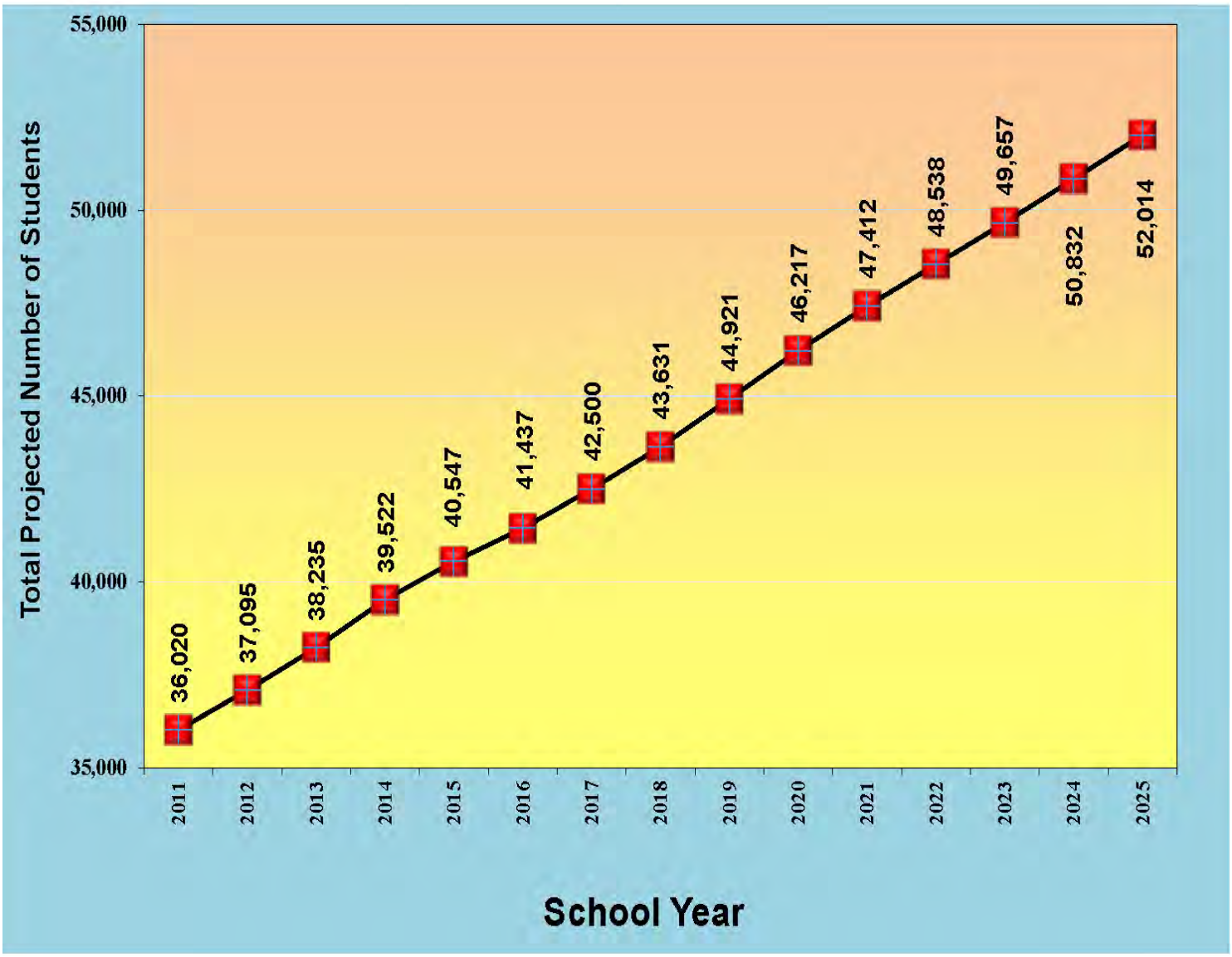
District-Wide Enrollment

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 overall economic outlook.

It is projected that District-wide enrollment will increase by 10,577 students over the next ten (10) years. It is projected to be 52,014 by the fall of 2025.

The following pages contain individual charts illustrating projected enrollment for elementary, middle school and senior high school.

Total Projected Number of Students Per Year

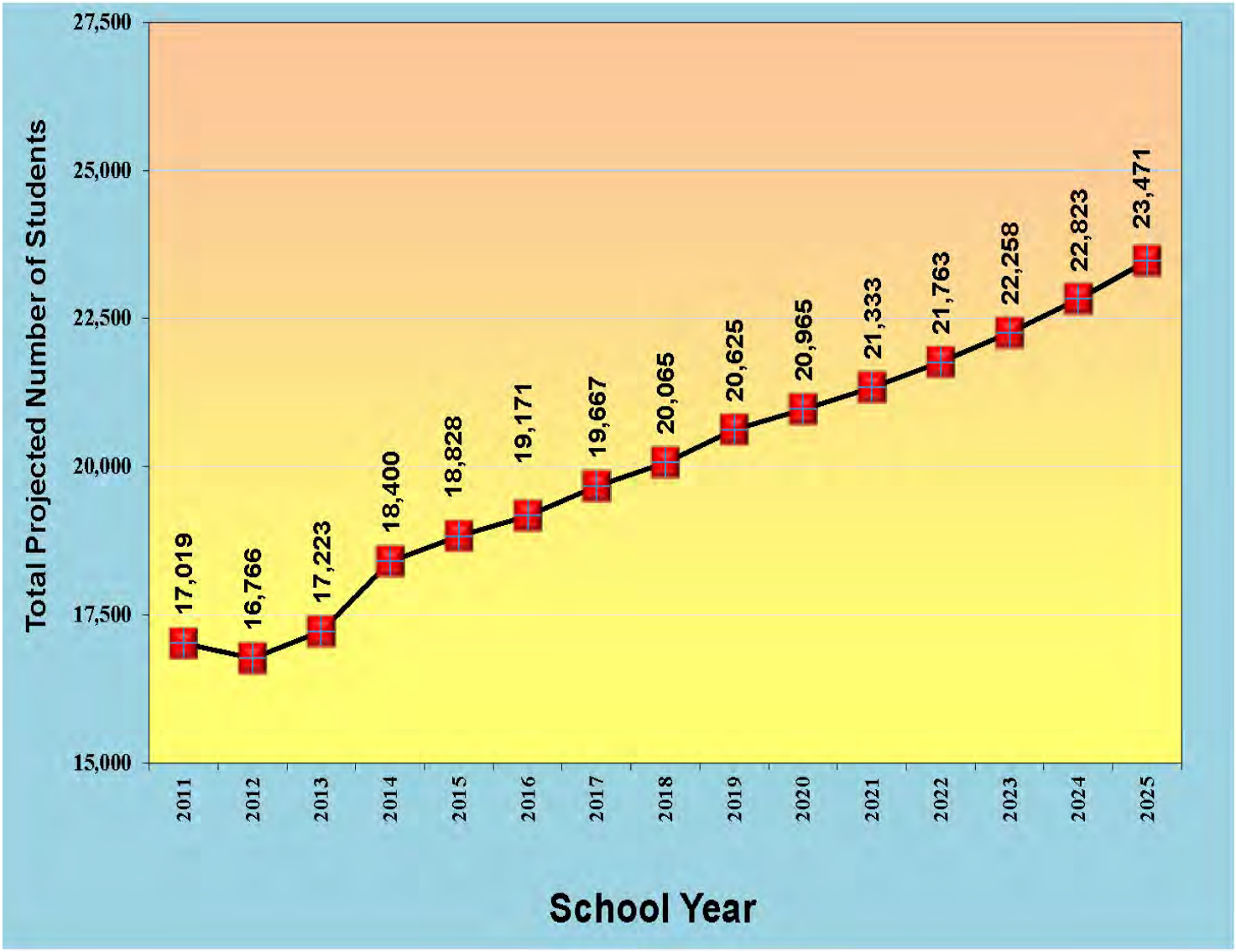


Elementary School Enrollment

It is projected that elementary school enrollment will increase by 4,300 students over the next ten (10) year period.

By the fall of 2025, the total number of elementary school students is projected to be 23,471.

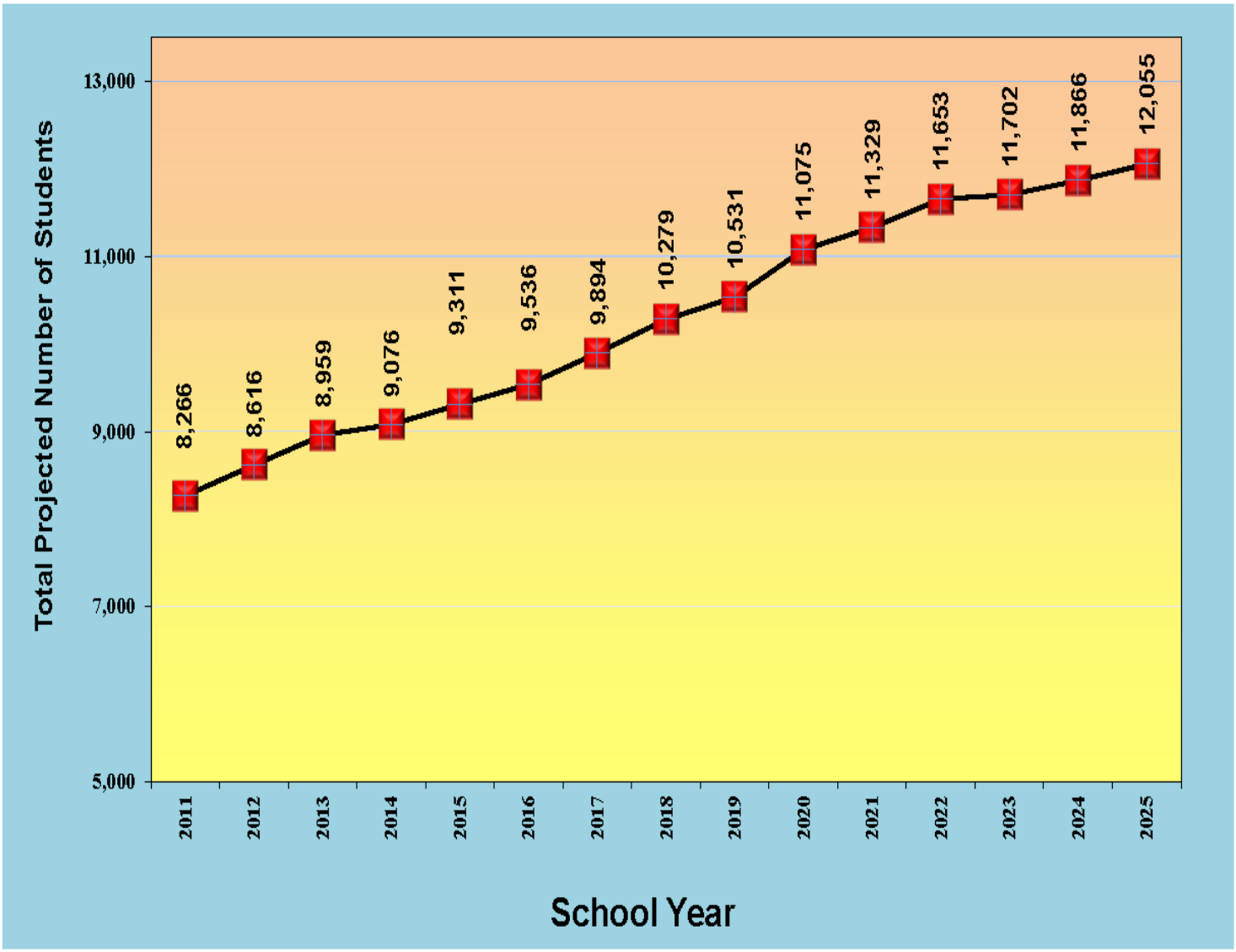
Total Projected Number of Elementary School Students Per Year



Middle School Enrollment

It is projected that middle school enrollment will increase by 2,519 students over the next ten (10) years, reaching 12,055 by the fall of 2025.

Total Projected Number of Middle School Students Per Year

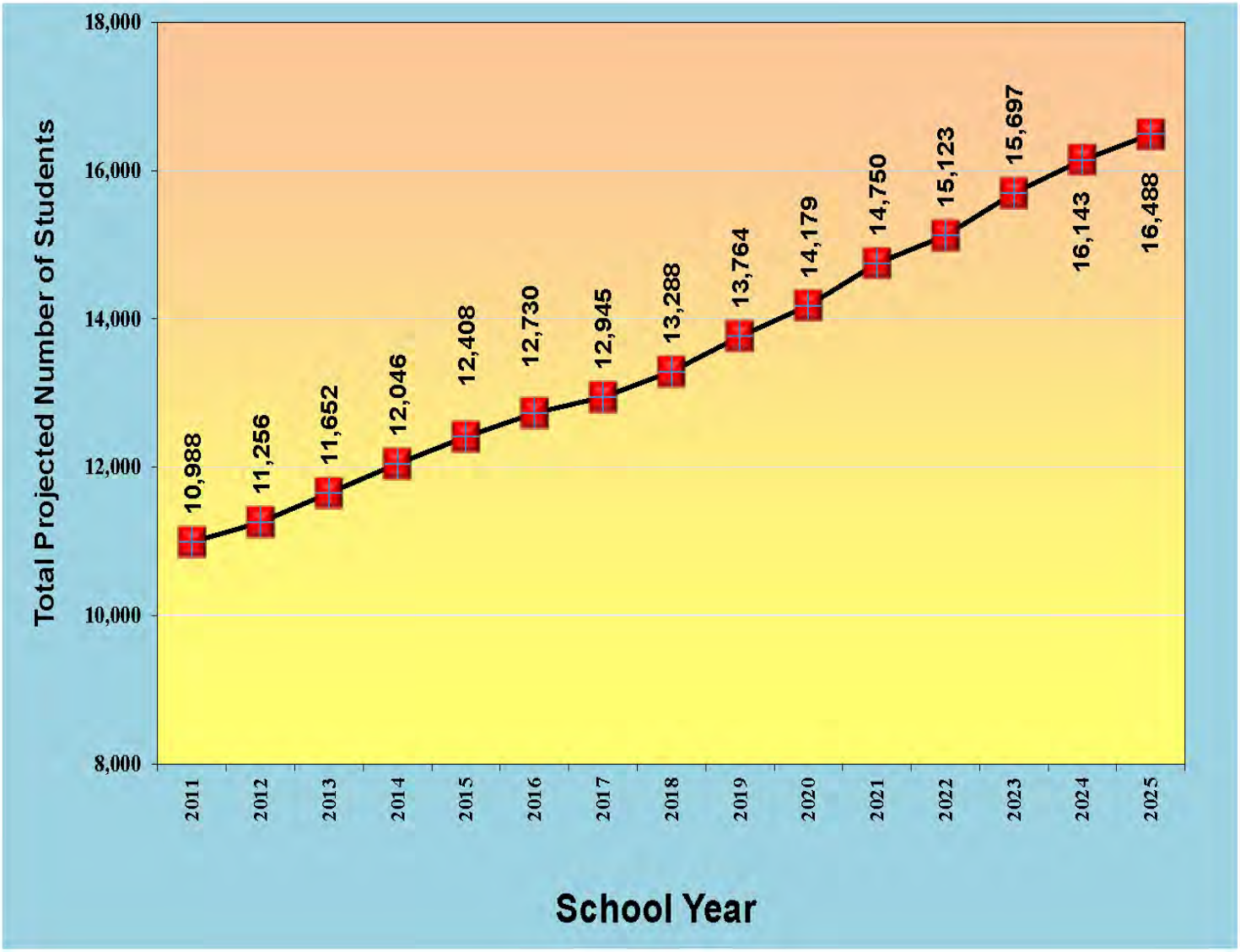


Senior High School Enrollment

It is projected that senior high school enrollment will increase by 3,758 students over the next ten (10) year period.

By the fall of 2025, the total number of senior high school students is projected to be 16,488.

Total Projected Number of Senior High School Students Per Year




Where Learning Takes Flight

CAPACITIES OF EXISTING SCHOOLS

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. Capacities calculations were based on permanent 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.







Fast Fact:

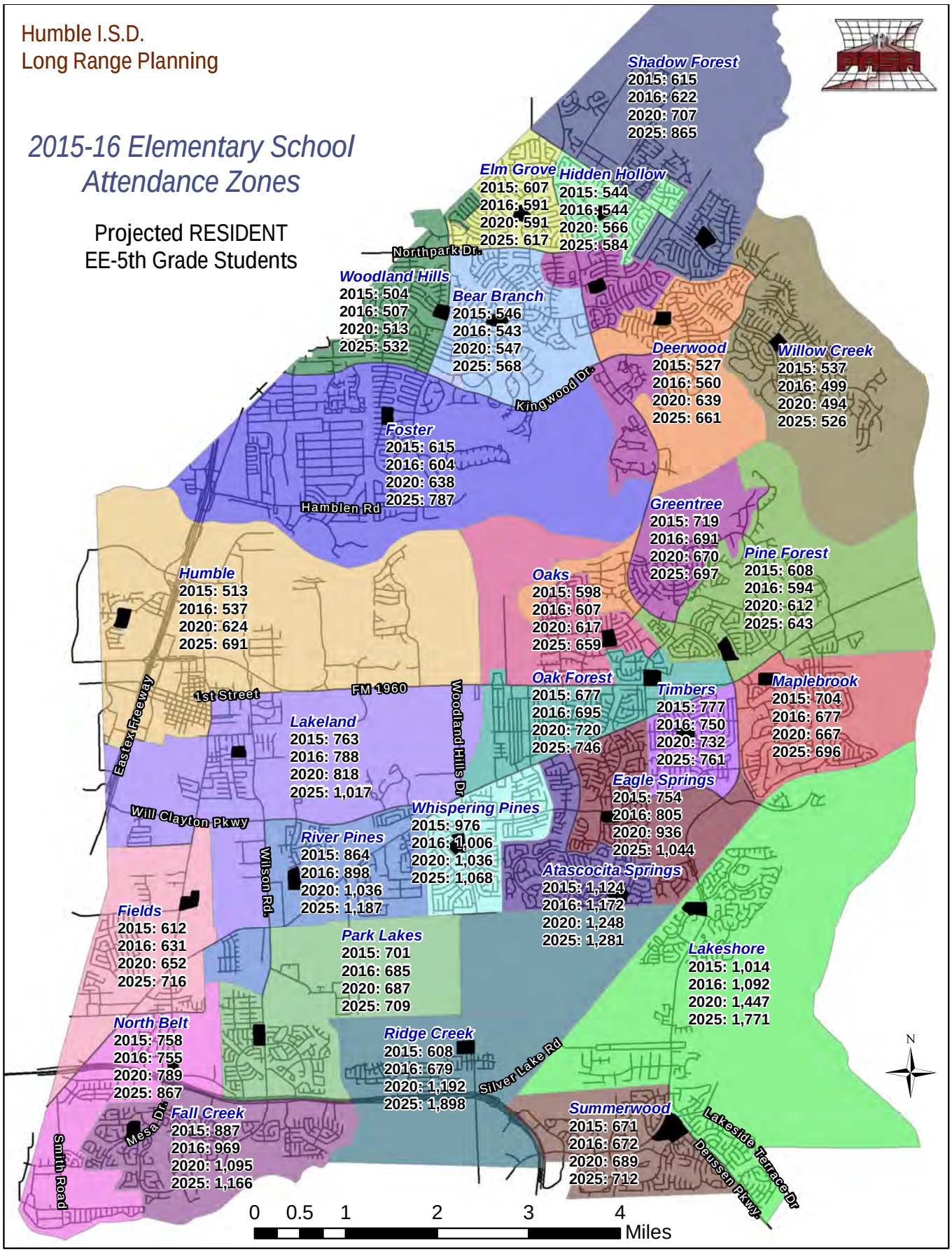
In 1985, the United States had the most college graduates in the world. Today, it ranks 16th.

Fast Fact:

In 1973, 25% of all jobs required postsecondary education.

By 2018, 75% will require postsecondary education, with no growth in jobs requiring a high school diploma or less.

CAPACITIES AND ENROLLMENT - ELEMENTARY SCHOOLS

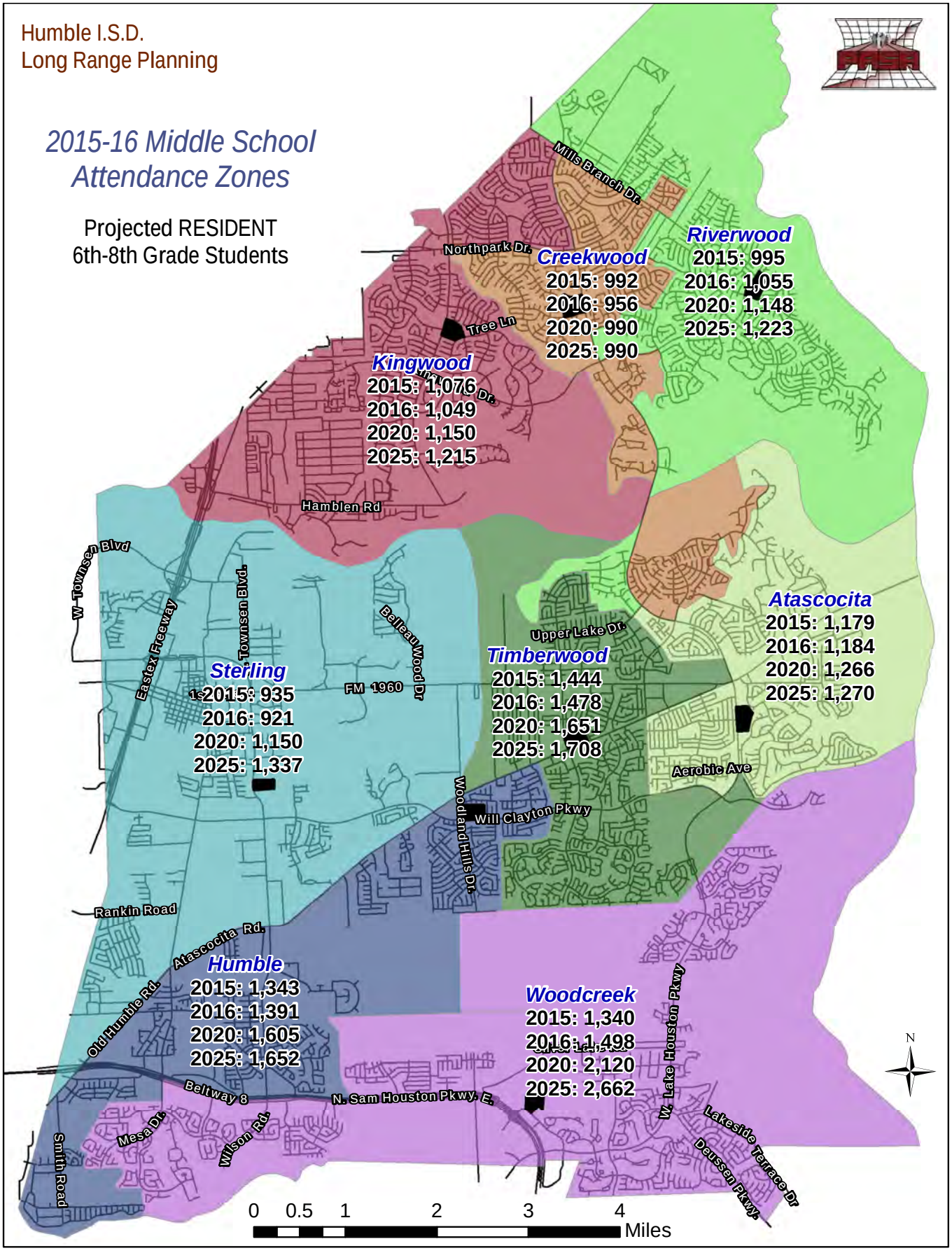


CAPACITIES AND ENROLLMENT - ELEMENTARY SCHOOLS

School	Capacity	Actual Enrollment (2016 - 2017)	Projected Enrollment (2025)
Atascocita Springs	950	1,183	1,281
Bear Branch	650	573	568
Deerwood	700	625	661
Eagle Springs	750	847	1,044
Elm Grove	650	470	617
Fall Creek	750	961	1,166
Fields	750	612	716
Foster	700	578	787
Greentree	700	732	697
Hidden Hollow	700	491	584
Humble	750	605	691
Lakeland	650	749	1,017
Lakeshore	950	1,022	1,771
Maplebrook	750	690	696
North Belt	750	691	867
Oak Forest	750	745	746
Oaks	700	567	659
Park Lakes	750	713	709
Pine Forest	700	603	643
Ridge Creek	950	703	1,898
River Pines	750	834	1,187
Shadow Forest	700	575	865
Summerwood	750	774	712
Timbers	650	755	761
Whispering Pines	700	697	1,068
Willow Creek	700	529	526
Woodland Hills	650	570	532
ES #28	950	-	-
TOTAL	**20,850**	**18,894**	**23,469**

2025 Enrollment Projections based on Projected Resident Students in Elementary School Attendance Zones.

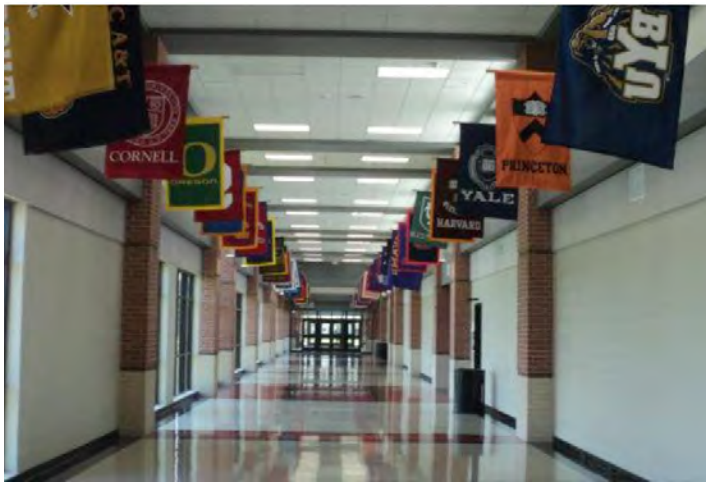
CAPACITIES AND ENROLLMENT - MIDDLE SCHOOLS



CAPACITIES AND ENROLLMENT - MIDDLE SCHOOLS

School	Capacity	Actual Enrollment (2016 - 2017)	Projected Enrollment (2025)
Atascocita	990	1,233	1,270
Creekwood	1,064	1,112	990
Humble	1,110	1,146	1,652
Kingwood	1,030	998	1,215
Riverwood	1,130	1,090	1,223
Sterling	950	860	1,337
Timberwood	1,110	1,529	1,708
Woodcreek	1,110	1,556	2,662
MS #9	1,110	-	-
TOTAL	**9,604**	**9,524**	**12,057**

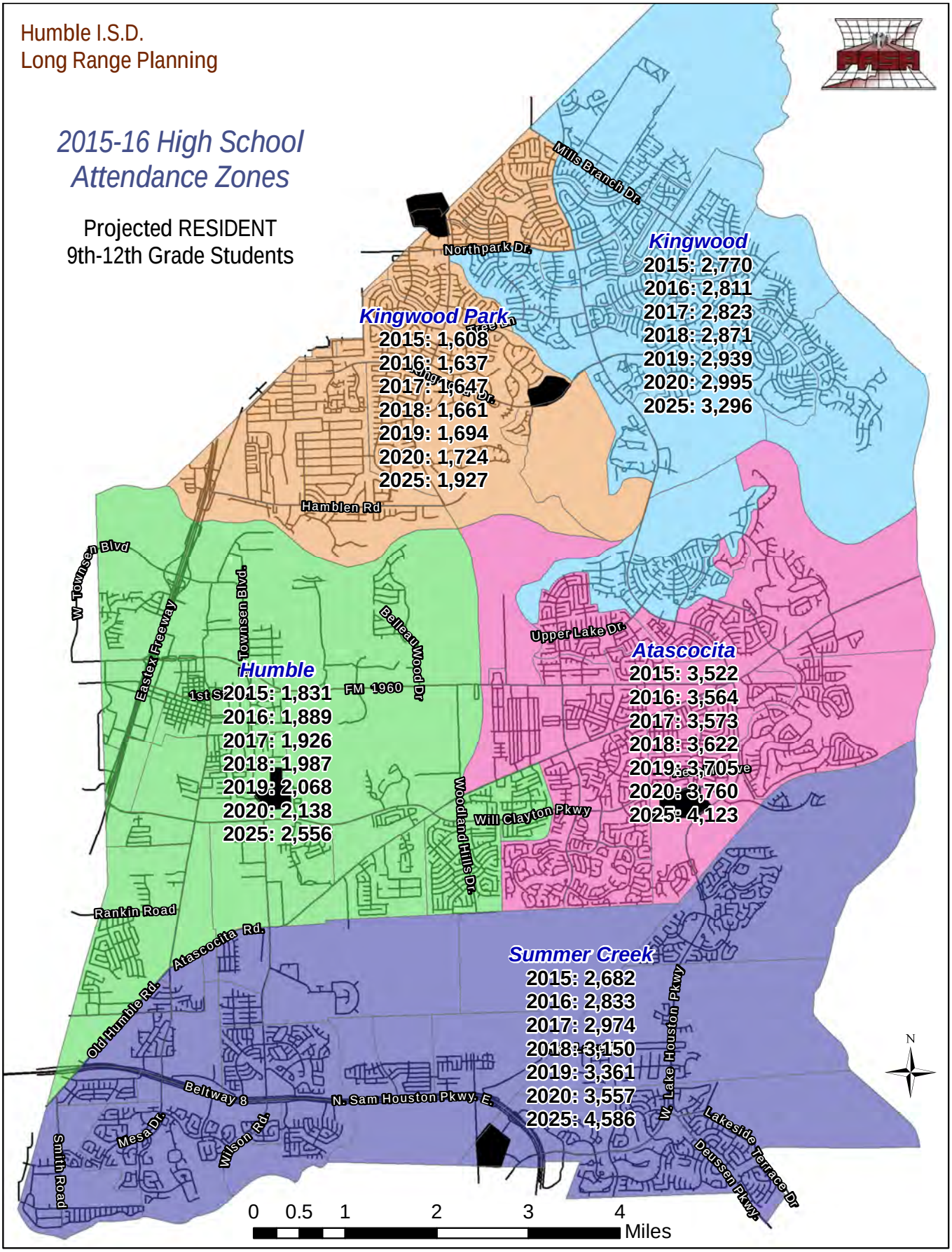
2025 Enrollment Projections based on Projected Resident Students in Middle School Attendance Zones.







CAPACITIES AND ENROLLMENT - SENIOR HIGH SCHOOLS



CAPACITIES AND ENROLLMENT - SENIOR HIGH SCHOOLS

School	Capacity	Actual Enrollment (2016 - 2017)	Projected Enrollment (2025)
Atascocita	3,200	3,527	4,123
Humble	2,400	1,987	2,556
Kingwood	2,800	2,661	3,296
Kingwood Park	1,600	1,830	1,927
Summer Creek	3,200	2,342	4,586
Quest	-	393	-
TOTAL	**13,200**	**12,740**	**16,488**

2025 Enrollment Projections based on Projected Resident Students in High School Attendance Zones.







CAPACITIES OF FUTURE SCHOOLS

Future schools will be designed with the following capacities:

Elementary Schools:	**950 Students**
Middle Schools:	**1,110 Students**
Senior High Schools:	**3,200 Students**



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.





HUMBLE INDEPENDENT SCHOOL DISTRICT
HUMBLE, TEXAS
HARRIS COUNTY

2017 Facilities Assessment
2017-2027



helping

focus



improve



advance

compliant

quality



performance

excellence



innovative





progress

pioneering



enhance

diverse

partnership

integrity



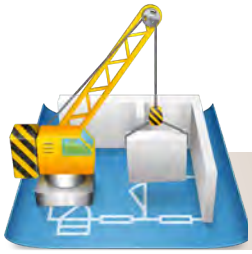


PBK

NEW SCHOOLS & MAJOR PROJECTS

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New Schools & Major Projects

INTRODUCTION

After studying the District's February 2016 Demographic Update, it is clear that Humble ISD will need to continue to expand at both the academic and administrative levels for many years to come.

The proposed addition of new facilities, as identified by the "PASA" study, due to growth currently include five (5) new school campuses (3 Elementary, 1 Middle and 1 High School) as well as classroom additions at multiple campuses. Additionally, there are several new facilities identified to address program changes and future needs that include: Pre-K Center(s), Career & Technology Center, Early College Campus and second Transportation Center. Other possible Major Projects include:

Enclosed Elementary School Multi-Purpose Rooms; Third Gymnasiums at all high schools; expansion of the Police Station; a new Multi-purpose Arena, and possible campus replacements due to age and program needs.

These proposed projects will open an abundance of opportunities to continue the development of progressive programs, facilities and amenities that will engage the students and staff members throughout the District; as well as evoke pride within the community.

What follows is the documentation of the new facilities and major projects as identified at this time and are only considered "cost studies" for the purposes of this assessment.



SUMMARY OF NEW SCHOOLS NEEDED

The demographic projections developed as of February, 2016 show the need to open the following schools:

New Elementary Schools

Elementary School #29 ..... ***Open August 2019***

Elementary School #30 ..... ***Open August 2021***

Elementary School #31 ..... ***Open TBD***

New Middle Schools

Middle School #10 ..... ***Open August 2020***

New High Schools

High School #7 ..... ***Open TBD***



TABLE OF NEW SCHOOLS

This chart provides information on each of the new schools proposed. The following defines the information in each column.

- **Design**: New architectural plans will be prepared for some schools. For others, plans will be repeated.
- **Location, PU**: These columns identify the location of the site geographically and its Planning Unit (PU). Sites have yet to be identified for some proposed schools.
- **Dates**: Secure Land By notes the date by which property should be acquired to permit the start of design work. Land must be acquired prior to start of design.
- **Start Design, Start Construction, Open**: These are the dates by which design and construction should begin to permit completion by the proposed opening date.

Proposed School	Site						Total Cost Excluding Land *(2017 Dollars)*
	Location	PU	Status	Start Design	Start Const.	Open	
Elementary Schools							
Elementary #29 950 Students	TBD	TBD	District owns	05/01/17	03/01/18	Aug 2019	Previously Funded
Elementary #30 950 Students	TBD	TBD	District owns	05/01/19	03/01/20	Aug 2021	$32,150,133 *Future Bond Funds*
Elementary #31 950 Students	TBD	TBD	TBD	TBD	TBD	TBD	$32,150,133 *Future Bond Funds*
Middle Schools							
Middle School #10 1110 Students	Ridge Creek ES	TBD	District owns	05/01/18	03/01/19	Aug 2020	$57,819,741 *Future Bond Funds*
High Schools							
High School #7 3200 Students	West Lake Houston Parkway	TBD	District owns	TBD	TBD	TBD	$159,613,410 *Future Bond Funds*

Note:

- The timing and location of new schools shown in this report were developed as a direct response to the February, 2016 Demographic Projections and were designed to minimize campus attendance boundary changes thereby minimizing the number of "moves" for any given student. The "year opening" for new schools is subject to change based upon subsequent and/or updated demographic information.
- The timing and location shown in this report include the strategic use of temporary classroom buildings.
- For clarity, all costs shown are in 2017 dollars. Refer to the construction cost inflation tables in this chapter for costs of schools that have construction start dates after the year 2017.
- Costs of schools were derived based on actual cost of recent projects and inflated appropriately for each year.
- All design dates indicate new design. Should repeat design be utilized, subtract (2) months.

Humble

Independent School District

New Elementary #30

Project Cost Worksheet

Total Construction Cost			**$25,823,400**
Construction Non-Contract Cost :		*10.0%*	*$2,582,340*
Furniture & Equipment:		*5.5%*	*$1,420,287*
Technology:		*5.5%*	*$1,420,287*
A & E Fee : (repeat fee)		*3.5%*	*$903,819*
Total Project Cost 2017 Dollars			**$32,150,133**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$34,079,141**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$36,464,681**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$39,017,209**

The following items are included in the estimated Project Cost:

- New Elementary School — $25,823,400

  Sqft includes program to match ES #28 which bid Jan 2016, with additional 1,000 sqft allowance for unknown program adjustments. 950 students.

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble

Independent School District

New Elementary #31

Project Cost Worksheet

Total Construction Cost			**$25,823,400**
Construction Non-Contract Cost :		*10.0%*	*$2,582,340*
Furniture & Equipment:		*5.5%*	*$1,420,287*
Technology:		*5.5%*	*$1,420,287*
A & E Fee : (repeat fee)		*3.5%*	*$903,819*
Total Project Cost 2017 Dollars			**$32,150,133**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$34,079,141**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$36,464,681**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$39,017,209**
Total Project Cost 2021 Dollars	*Estimated Inflation*	*6%*	**$41,358,241**

The following items are included in the estimated Project Cost:

- New Elementary School — $25,823,400

  Sqft includes program to match ES #28 which bid Jan 2016, with additional 1,000 sqft allowance for unknown program adjustments. 950 students.

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble
Independent School District

New Middle School #10
Project Cost Worksheet

Total Construction Cost			**$46,441,559**
Construction Non-Contract Cost :		*10.0%*	*$4,644,156*
Furniture & Equipment:		*5.5%*	*$2,554,286*
Technology:		*5.5%*	*$2,554,286*
A & E Fee : (repeat fee)		*3.5%*	*$1,625,455*
Total Project Cost 2017 Dollars			**$57,819,741**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$61,288,925**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$65,579,150**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$70,169,690**

The following items are included in the estimated Project Cost:

- New Middle School — $46,441,559
  Sqft includes program to match MS#9 with additional 1,000 sqft allowance for unknown program adjustments. 1050 students.

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble

Independent School District

New High School School #7

Project Cost Worksheet

Total Construction Cost			**$127,182,000**
Construction Non-Contract Cost :		*8.0%*	*$10,174,560*
Furniture & Equipment:		*5.5%*	*$6,995,010*
Technology:		*6.0%*	*$7,630,920*
A & E Fee :		*6.0%*	*$7,630,920*
Total Project Cost 2017 Dollars			**$159,613,410**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$169,190,215**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$181,033,530**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$193,705,877**
Total Project Cost 2021 Dollars	*Estimated Inflation*	*6%*	**$205,328,229**

The following items are included in the estimated Project Cost:

- New High School to match Summer Creek High School — $127,182,000
  Sqft includes program to match Summer Creek with additional 2,000 sqft allowance for unknown program adjustments. 3200 students.

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble
Independent School District

Atascosita High School Classroom Addition
Project Cost Worksheet

Total Construction Cost			**$3,957,967**
Construction Non-Contract Cost :		*8.0%*	*$316,637*
Furniture & Equipment:		*5.5%*	*$217,688*
Technology:		*5.5%*	*$217,688*
A & E Fee :		*6.0%*	*$237,478*
Total Project Cost 2017 Dollars			**$4,947,459**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$5,244,307**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$5,611,408**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$6,004,207**

The following items are included in the estimated Project Cost:

- New 10 Classroom Addition — $3,542,000
  10 general classrooms, storage, restrooms, mechanical.
- Removal of existing modular buildings — $55,000
- Premium for small project — $177,100
- Premium for building tie-in — $106,260
- Design and Estimating Contingency — $77,607

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



Atascocita High School Classroom Addition

Humble Independent School District

Notes:

1. **Proposed New 10 Classroom Addition**

* **ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.**

Humble
Independent School District

Humble High School Cafeteria and Library Renovation Addition
Project Cost Worksheet

Total Construction Cost			**$8,110,805**
Construction Non-Contract Cost :		*6.0%*	*$486,648*
Furniture & Equipment:		*3.5%*	*$283,878*
Technology:		*5.0%*	*$405,540*
A & E Fee :		*6.0%*	*$486,648*
Total Project Cost 2017 Dollars			**$9,773,521**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$10,359,932**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$11,085,127**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$11,861,086**

The following items are included in the estimated Project Cost:

- Renovation of existing Cafeteria — $1,254,000
  Includes raising low ceiling in areas, removing columns from dining areas and improving sightlines, creating varying styles of dining areas, lighting and mechanical upgrades and finishes.

- Expansion of existing Cafeteria — $1,127,000
  Expansion to existing cafeteria to meet space requirements for current enrollment.

- Renovation of existing Kitchen — $1,370,000
  Includes new equipment and serving lines. Includes new finishes, lighting, electrical, plumbing and mechanical upgrades.

- Expansion of existing Kitchen. — $569,500
  Expansion to existing kitchen to meet space requirements for current enrollment. Addition includes space for additional serving lines, production and storage areas.

- Renovation and modification of existing Library — $255,000
  Includes renovation of existing library spaces to remain after space captured for cafeteria expansion noted above.

- New expansion of Library at north side of campus adjacent to drop off area classrooms. — $2,838,000
  Expansion to existing cafeteria to meet space requirements for current enrollment.

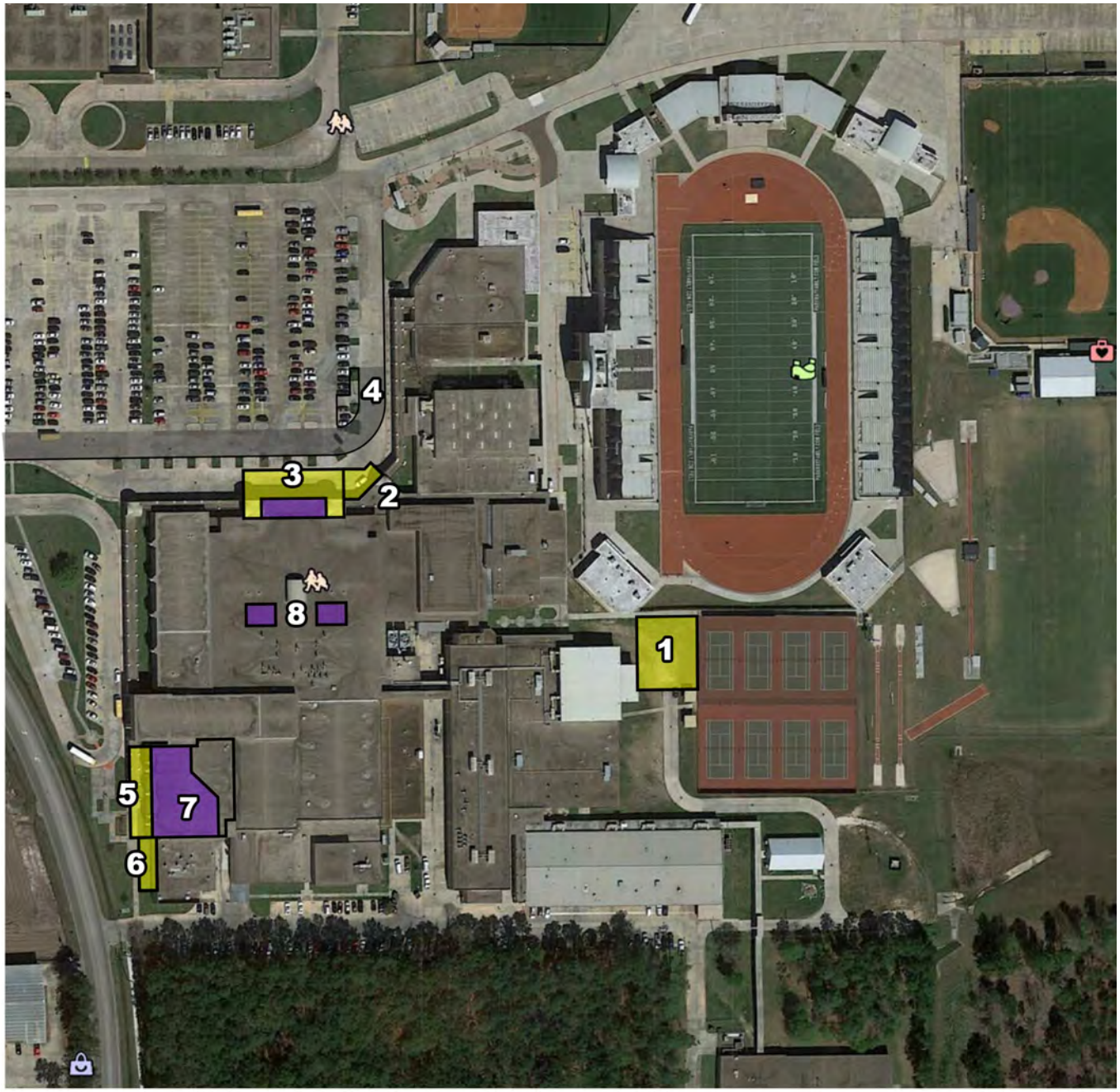
• Parking and Drop Off paving adjustments to accommodate new Library expansion. Also includes detention expansion.	$390,000
• Premium for building tie-in	$148,270
• Design and Estimating Contingency	$159,035

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

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3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

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Additions to Humble High School

Humble Independent School District

Notes:

1. New Gymnasium Addition
2. New Front Entry
3. New Library Addition
4. Reroute Parent Drop off drive
5. New Cafeteria Expansion
6. Renovation to Existing Cafeteria
7. New Kitchen Expansion
8. Renovation to Existing Corridors for Satellite Collaboration Areas

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble
Independent School District

New District Natatorium - 1,200 Seats
Project Cost Worksheet

Total Construction Cost			**$36,302,913**
Construction Non-Contract Cost :		*5.0%*	*$1,815,146*
Furniture & Equipment:		*3.0%*	*$1,089,087*
Technology:		*3.0%*	*$1,089,087*
A & E Fee :		*6.0%*	*$2,178,175*
Total Project Cost 2017 Dollars			**$42,474,408**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$45,022,873**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$48,174,474**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$51,546,687**

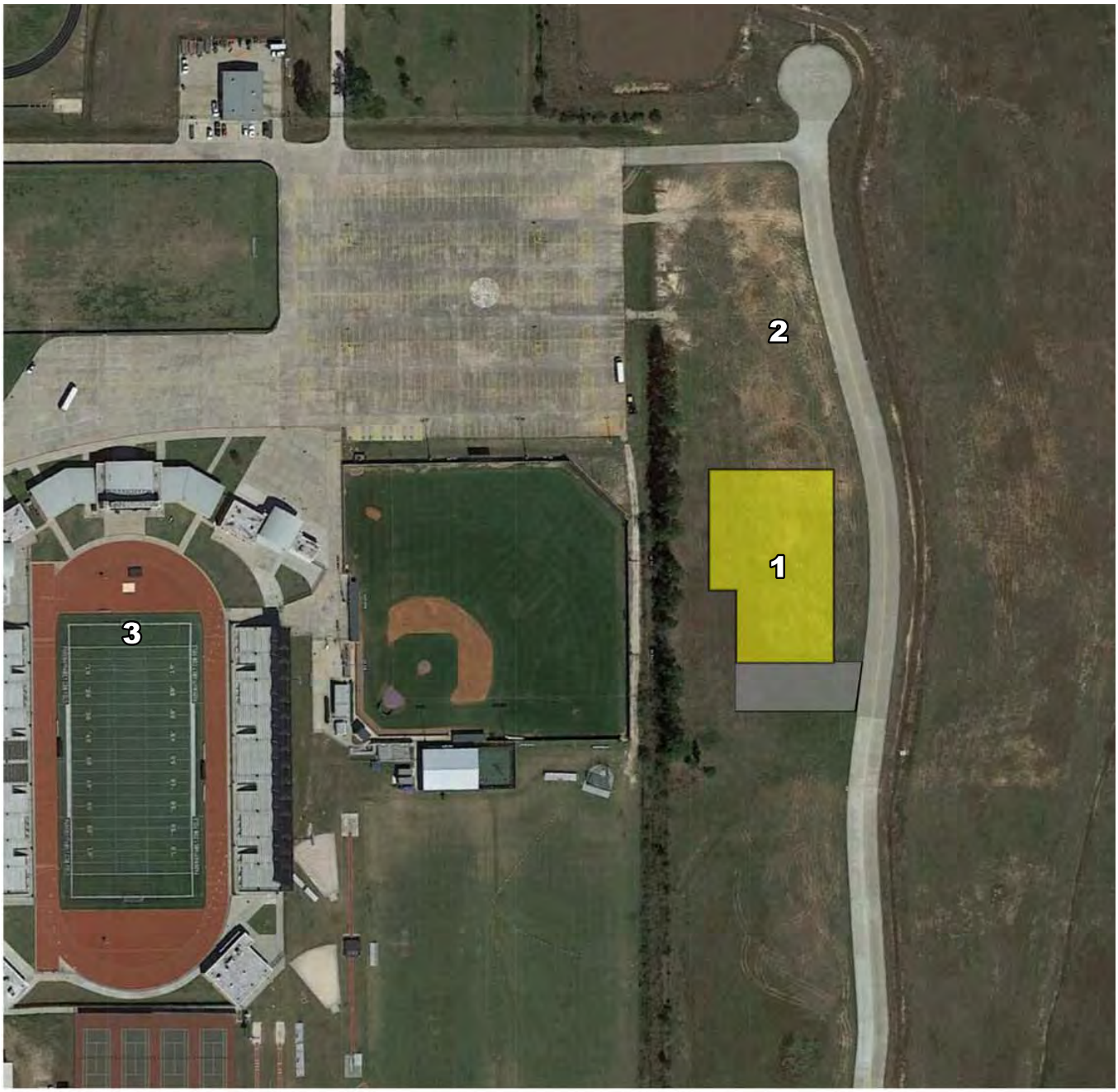
The following items are included in the estimated Project Cost:

- New District Natatorium — $33,918,976
  65m x 25yrd long course pool, two bulkheads, warm-up cross lanes, 3m/1m diving at one end, (4) dressing rooms and support, team room, (1) office, Officials changing room, public restroom, concession, seating for 1,200 spectators.
- Parking for 1,000 seats and Site Infrastructure — $1,498,500
  (majority of parking could be eliminated or reduced if shared parking at Turner Stadium)
- Design and Estimating Contingency — $885,437

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



New District Natatorium

Humble Independent School District

Notes:

1. Possible Location for Proposed New District Natatorium
2. Existing Parking to be Shared
3. Turner Stadium

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble

Independent School District

Third Gym (practice) at High Schools

(Atascocita, Community Learning Center,
Kingwood Park, Summer Creek)
Project Cost Worksheet

Total Construction Cost			**$4,123,350**
Construction Non-Contract Cost :		*5.0%*	*$206,168*
Furniture & Equipment:		*1.5%*	*$61,850*
Technology:		*1.5%*	*$61,850*
A & E Fee :		*6.0%*	*$247,401*
Total Project Cost 2017 Dollars			**$4,700,619**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$4,982,656**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$5,331,442**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$5,704,643**

The following items are included in the estimated Project Cost:

- New Practice Gym addition at High Schools — $3,850,000
  Includes full size court, mechanical support, small storage, lobby transition area as needed, and 150 seat bleachers.
- Premium for phased construction and building tie-in — $115,500
- Premium for small project — $77,000
- Design and Estimating Contingency — $80,850

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



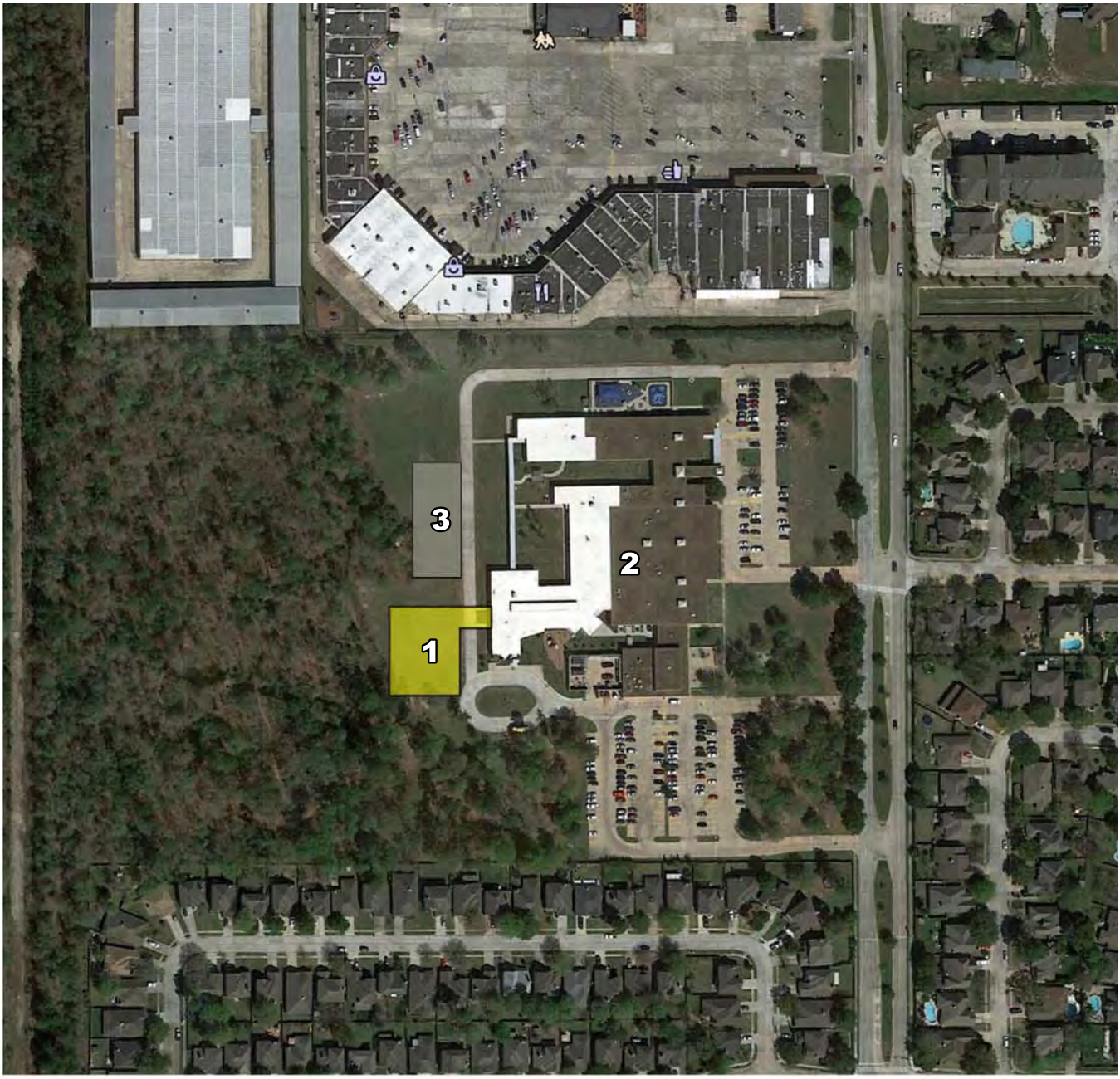
Atascocita High School Third Gym Addition

Humble Independent School District

Notes:

1. Proposed New Third Gym Addition

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.



Community Learning Center New Gym Addition

Humble Independent School District

Notes:

1. New Gym Addition
2. Existing Community Learning Center
3. Existing Mosaic Program Building

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.



Kingwood Park High School Third Gym Addition

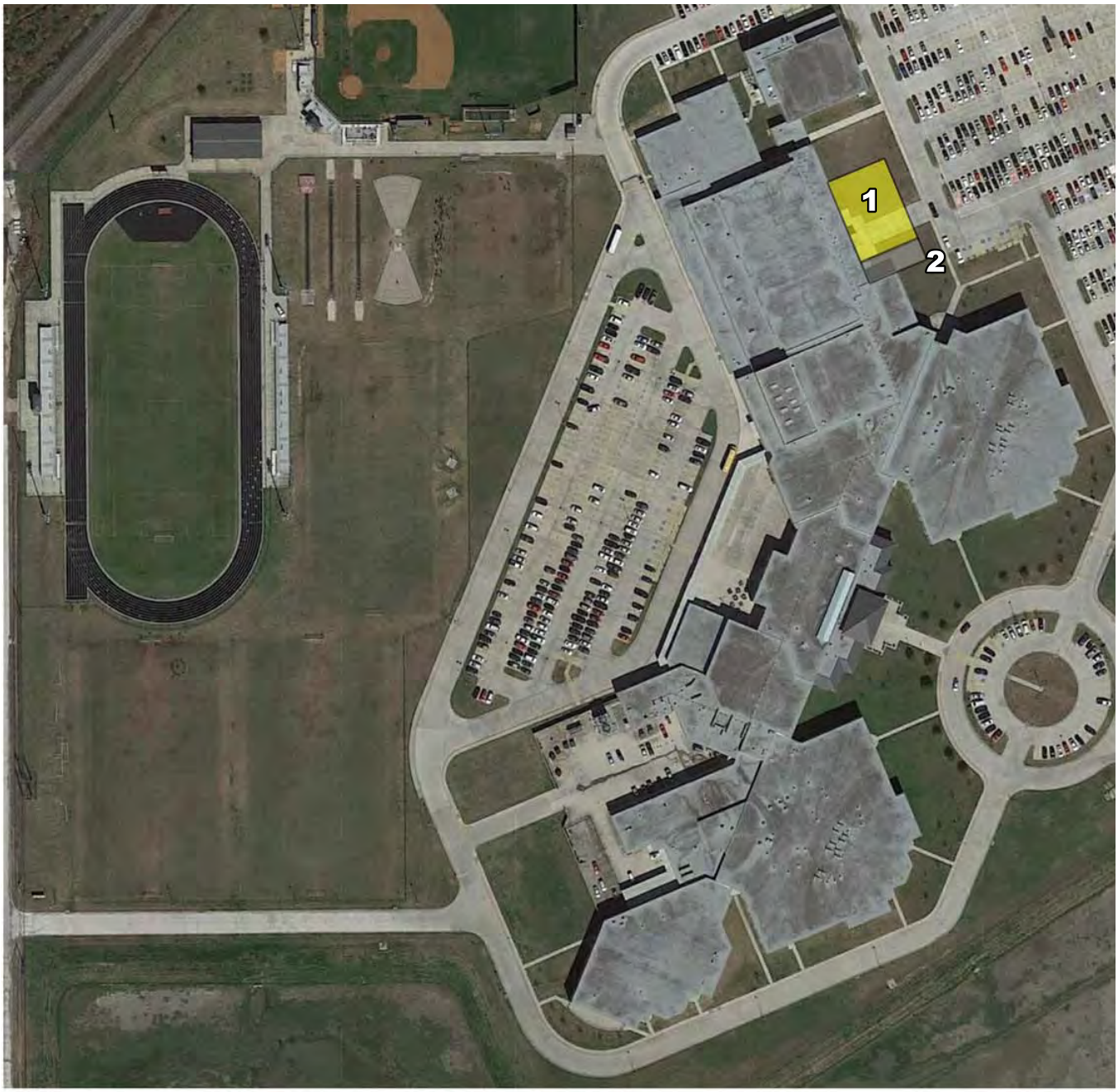
Humble Independent School District

Notes:

1. **Proposed New Third Gym Addition**

* **ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.**

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Summer Creek High School Third Gym Addition

Humble Independent School District

Notes:

1. Proposed New Third Gym Addition
2. New Entry Walk

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble
Independent School District

Third Gym (competition) at Humble High School
Project Cost Worksheet

Total Construction Cost			**$6,587,052**
Construction Non-Contract Cost :		*5.0%*	*$329,353*
Furniture & Equipment:		*1.5%*	*$98,806*
Technology:		*1.5%*	*$98,806*
A & E Fee :		*6.0%*	*$395,223*
Total Project Cost 2017 Dollars			**$7,509,239**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$7,959,793**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$8,516,979**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$9,113,167**

The following items are included in the estimated Project Cost:

- New Competition Gym — $6,150,375

  Includes full size court, mechanical support, small storage, lobby transition area as needed, and 1,800 seat bleachers. Scope to match Summer Creek

- Premium for phased construction and building tie-in — $184,511
- Premium for small project — $123,008
- Design and Estimating Contingency — $129,158

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



Humble High School Third Gym Addition

Humble Independent School District

Notes:

1. **Proposed New Third Gym Addition**

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Humble
Independent School District

Third Gym (competition) at Kingwood High School
Project Cost Worksheet

Total Construction Cost			**$7,108,763**
Construction Non-Contract Cost :		*5.0%*	*$355,438*
Furniture & Equipment:		*1.5%*	*$106,631*
Technology:		*1.5%*	*$106,631*
A & E Fee :		*6.0%*	*$426,526*
Total Project Cost 2017 Dollars			**$8,103,989**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$8,590,229**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$9,191,545**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$9,834,953**

The following items are included in the estimated Project Cost:

- New Competition Gym — $6,637,500

  Includes full size court, mechanical support, small storage, lobby transition area as needed, and 1,800 seat bleachers. Scope to match Summer Creek with additional sqft for stand alone building. Increased cost also due to elevated structural slab.

- Premium for phased construction and building tie-in — $199,125
- Premium for small project — $132,750
- Design and Estimating Contingency — $139,388

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



Kingwood High School Third Gym Addition

Notes:

1. **Proposed New Third Gym Addition**

* **ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.**

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Humble

Independent School District

Enclosed Multi-Purpose Room at Elementary Campuses

Bear Branch ES, Deerwood ES, Eagle Springs ES, Elm Grove ES, Fall Creek ES, Fields ES, Foster ES, Greentree ES, Hidden Hollow ES, Humble ES, Maplebrook ES, North Belt ES, Oak Forest ES, Park Lakes ES, Pine Forest ES, River Pines ES, Shadow Forest ES, Summerwood ES, Timbers ES, Whispering Pines ES, Willow Creek ES, Woodland Hills ES

Project Cost Worksheet

Total Construction Cost			**$2,411,994**
Construction Non-Contract Cost :		*5.0%*	*$120,600*
Furniture & Equipment:		*1.5%*	*$36,180*
Technology:		*1.5%*	*$36,180*
A & E Fee :		*6.0%*	*$144,720*
Total Project Cost 2017 Dollars			**$2,749,673**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$2,914,654**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$3,118,679**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$3,336,987**

The following items are included in the estimated Project Cost:

• New enclosed Multi-Purpose Room at various campuses *84' court, mechanical support, small storage, transition area as needed, and no bleachers.*	$2,210,000
• Premium for phased construction and building tie-in	$44,200
• Premium for small project	$110,500
• Design and Estimating Contingency	$47,294

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble
Independent School District

Lakeland Elementary Replacement
Project Cost Worksheet

Total Construction Cost			**$28,208,587**
Construction Non-Contract Cost :		*10.0%*	*$2,820,859*
Furniture & Equipment:		*5.5%*	*$1,551,472*
Technology:		*5.5%*	*$1,551,472*
A & E Fee :		*6.0%*	*$1,692,515*
Total Project Cost 2017 Dollars			**$35,824,905**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$37,974,399**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$40,632,607**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$43,476,890**

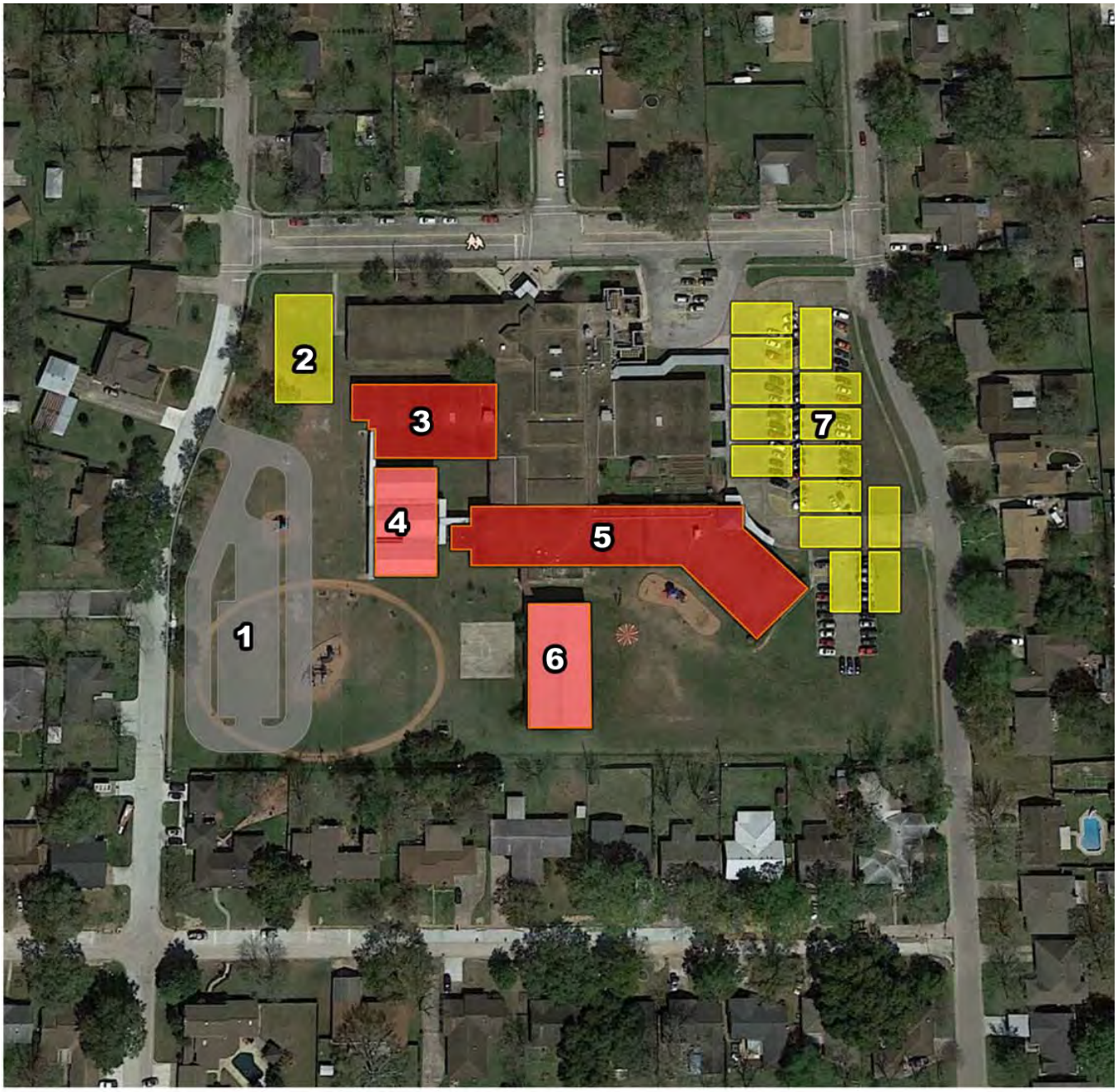
The following items are included in the estimated Project Cost:

- Phased Demolition of existing building — $486,804
- Phased Rebuild with program and sq ft to match ES#28 — $25,476,000
  Sqft includes program to match ES28 with additional 1,000 sqft allowance for unknown program adjustments. 950 students.
- Premium for phased construction — $1,557,768
- Premium for building tie-ins — $688,014

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



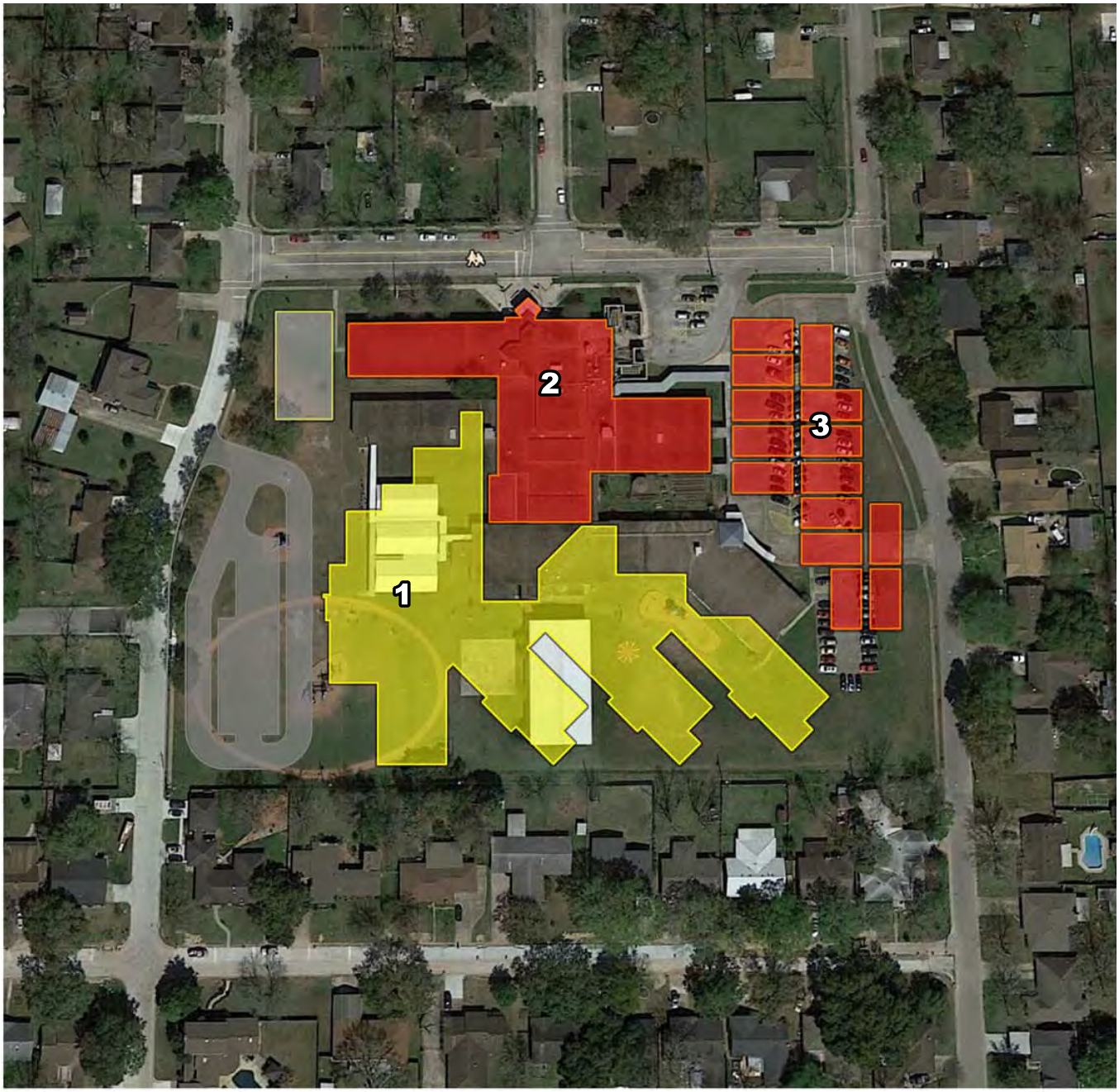
New Lakeland Elementary School Rebuild

Humble Independent School District

Notes:

1. New Parent Drop Off and Visitor Parking
2. New Pavilion
3. Demo Existing Classroom Wing
4. Relocate Existing Portables
5. Demo Existing Classroom Wing
6. Demo Existing Gymnasium
7. New Temporary Portable City

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.



New Lakeland Elementary School Rebuild

Humble Independent School District

Notes:

1. New Lakeland Elementary School
2. Demo Remaining Existing Lakeland Elementary School
3. Remove Temporary Portable City

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.



New Lakeland Elementary School Rebuild

Humble Independent School District

Notes:

1. New Bus Loop and Staff Parking

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble

Independent School District

Kingwood Middle School Replacement

Project Cost Worksheet

Total Construction Cost			**$49,468,477**
Construction Non-Contract Cost :		*10.0%*	*$4,946,848*
Furniture & Equipment:		*5.5%*	*$2,720,766*
Technology:		*5.5%*	*$2,720,766*
A & E Fee :		*6.0%*	*$2,968,109*
Total Project Cost 2017 Dollars			**$62,824,966**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$66,594,464**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$71,256,077**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$76,244,002**

The following items are included in the estimated Project Cost:

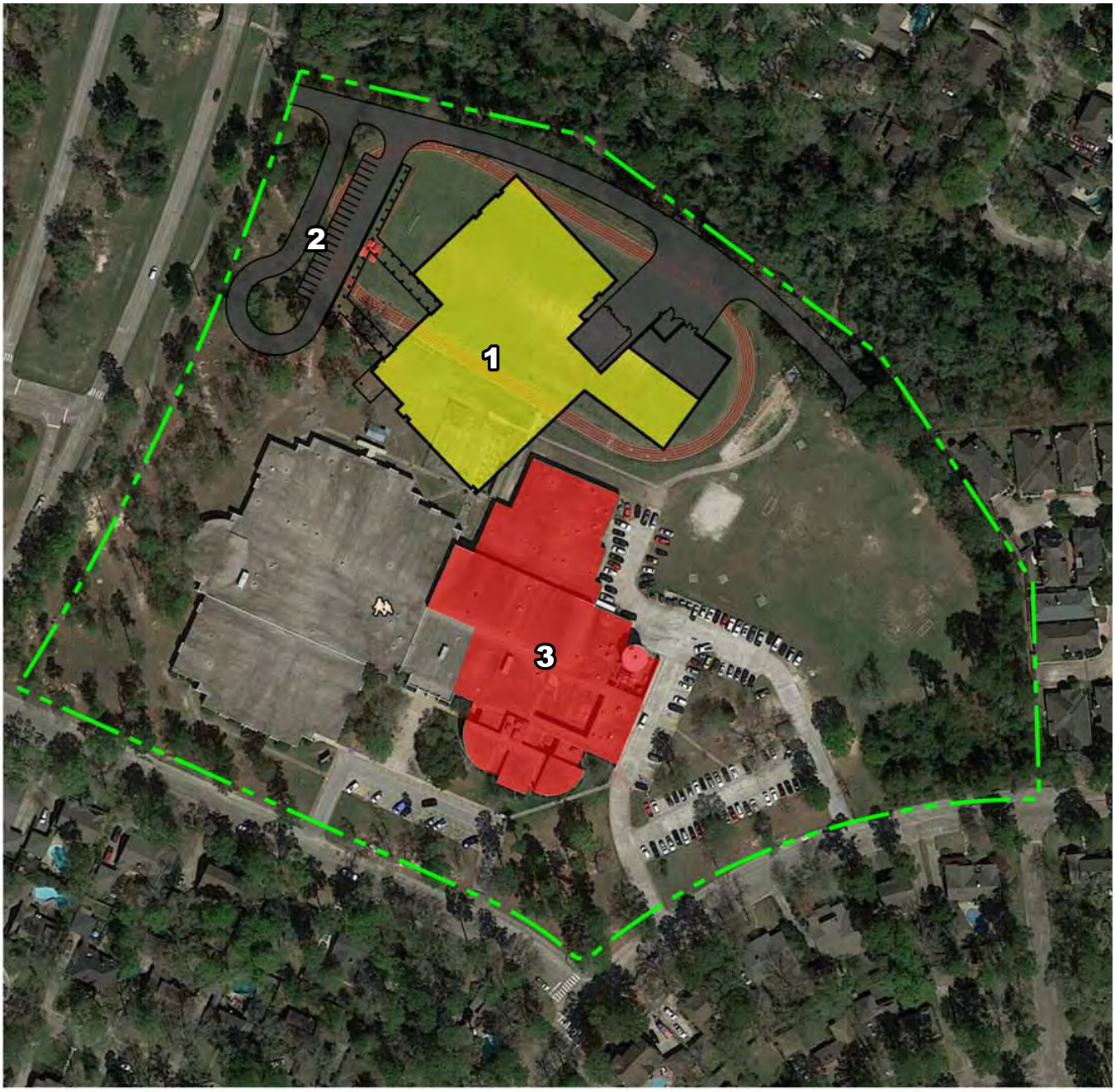
- Phased Demolition of existing building — $831,900
- Phased Rebuild with program and sq ft to match MS#9 — $45,801,280

  Sqft includes program to match MS#9 with additional 1,000 sqft allowance for unknown program adjustments. 1050 students.
- Premium for phased construction — $1,865,327
- Premium for building tie-ins — $969,970

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



Kingwood Middle School Replacement

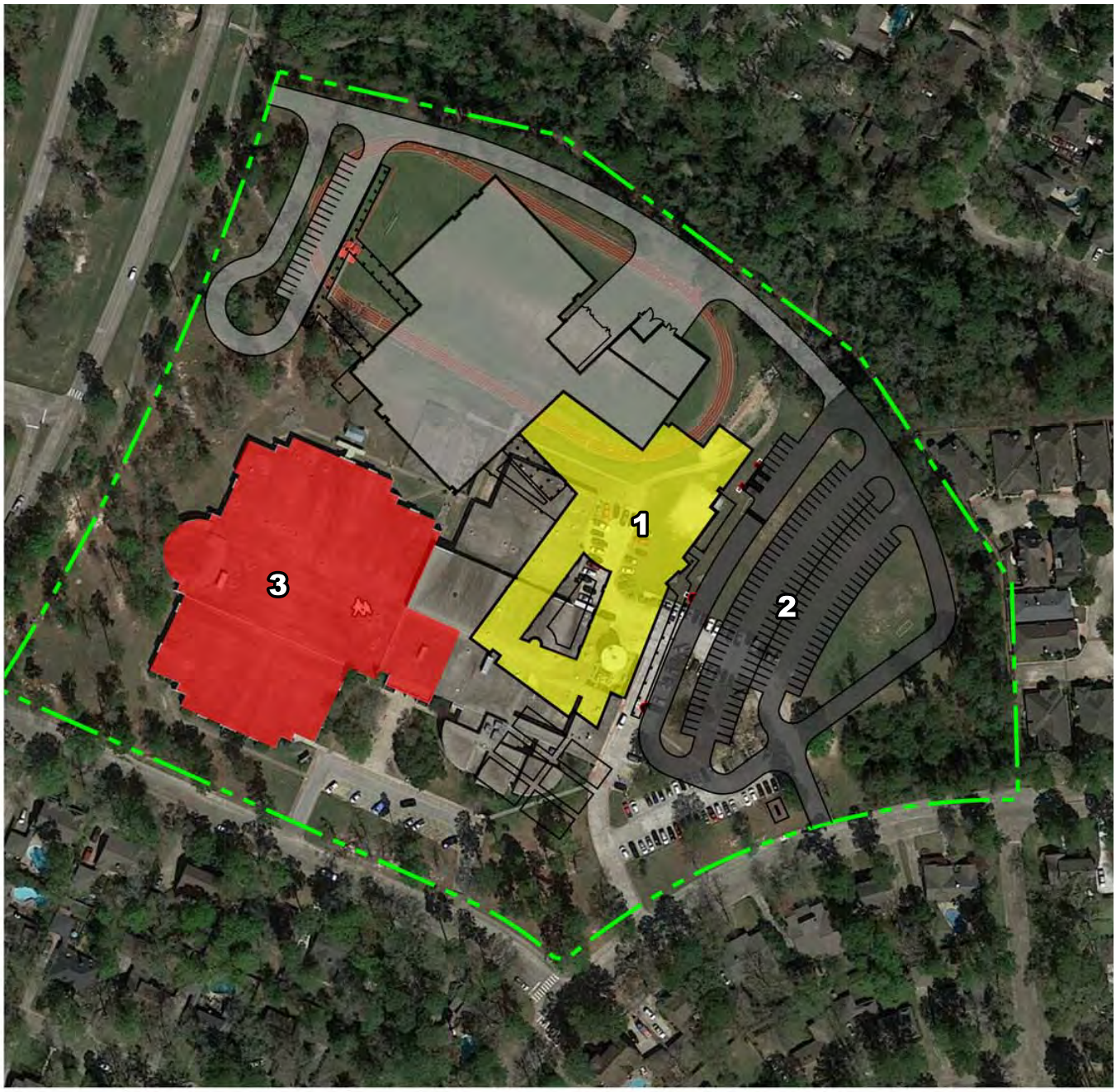
Humble Independent School District

Notes:

1. Phase 1 Portion of the New Kingwood Middle School Building to include:
   -Athletics
   -Fine Arts
   -CTE
   -Kitchen
   -Central Plant
2. New Bus Loop and Service Drive
3. Demolish Existing Athletic and Fine Arts Areas.

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

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Kingwood Middle School Replacement

Humble Independent School District

Notes:

1. Phase 2 Portion of the New Kingwood Middle School Building to Include:
   -Administration
   -Classrooms
   -Library
2. New Drop Off and Visitor/ Staff Parking
3. Demolition of Existing Building

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble
Independent School District

Charles Street Stadium Renovation
Project Cost Worksheet

Total Construction Cost			**$5,503,728**
Construction Non-Contract Cost:		*6.0%*	*$330,224*
Furniture & Equipment:		*1.8%*	*$96,315*
Technology:		*1.8%*	*$96,315*
A & E Fee:		*6.0%*	*$330,224*
Total Project Cost 2017 Dollars			**$6,356,805**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$6,738,214**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$7,209,889**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$7,714,581**

The following items are included in the estimated Project Cost:

• Demolition of existing structures	$18,000
• New Ticket Booth, Concession, Restroom and Storage (one building)	$1,560,000
• New Field House with Locker Room/Meeting Room and Conference Space	$2,691,000
• New Bleachers	$495,000
• New Pressbox	$202,500
• New Fencing and Sidewalk replacement	$172,368
• Premium for phased and small project	$256,943
• Design and Estimating Contingency	$107,916

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



Charles Street Stadium Renovation

Humble Independent School District

Notes:

1. Demolition of Existing Structures
2. Proposed New Ticket Booth, Concession, Restroom, and Storage Building
3. New Bleachers
4. New Press box
5. Parking Lot Repair
6. Proposed New Field House with Locker Room/Meeting Room and Conference Space
7. New Scoreboard

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble
Independent School District

New North Transportation Center
Project Cost Worksheet

Total Construction Cost			**$13,200,463**
Construction Non-Contract Cost :		*6.0%*	*$792,028*
Furniture & Equipment:		*4.5%*	*$594,021*
Technology:		*4.5%*	*$594,021*
A & E Fee :		*6.0%*	*$792,028*
Total Project Cost 2017 Dollars			**$15,972,560**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$16,930,913**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$18,116,077**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$19,384,203**

The following items are included in the estimated Project Cost:

• New North Transportation Center	$4,804,800
Transportation offices, support spaces and bus maintenance bays.	
Maintenance Building, office, storage and breakroom	$1,006,200
Renovation of existing transportation center building	$1,200,000
• 175 Parking Spaces and Site Infrastructure	$832,500
• Uncovered Single Stacked Parking and Paving for 150 Busses, lighting and Site Infrastructure included	$3,750,000
• Bus Wash	$185,000
• Fueling Station	$1,100,000
• Design and Estimating Contingency	$321,963
• Add for covereed bus parking and not included above	***$560,000***

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble
Independent School District

New Pre K Center
Project Cost Worksheet

Total Construction Cost			**$11,750,584**
Construction Non-Contract Cost :		*6.0%*	*$705,035*
Furniture & Equipment:		*5.5%*	*$646,282*
Technology:		*5.5%*	*$646,282*
A & E Fee :		*6.0%*	*$705,035*
Total Project Cost 2017 Dollars			**$14,453,218**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$15,320,411**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$16,392,840**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$17,540,338**

The following items are included in the estimated Project Cost:

- 400 Student Capacity Pre-K Center — $11,463,984

  20 classrooms, restrooms between two classrooms, commons/multi-purpose/cafeteria area, kitchen, flex spaces, small media center, administration and required support.

- Design and Estimating Contingency — $286,600

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble
Independent School District

New Early College
Project Cost Worksheet

Total Construction Cost			**$12,273,706**
Construction Non-Contract Cost :		*6.0%*	*$736,422*
Furniture & Equipment:		*5.5%*	*$675,054*
Technology:		*5.5%*	*$675,054*
A & E Fee :		*6.0%*	*$736,422*
Total Project Cost 2017 Dollars			**$15,096,658**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$16,002,458**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$17,122,630**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$18,321,214**

The following items are included in the estimated Project Cost:

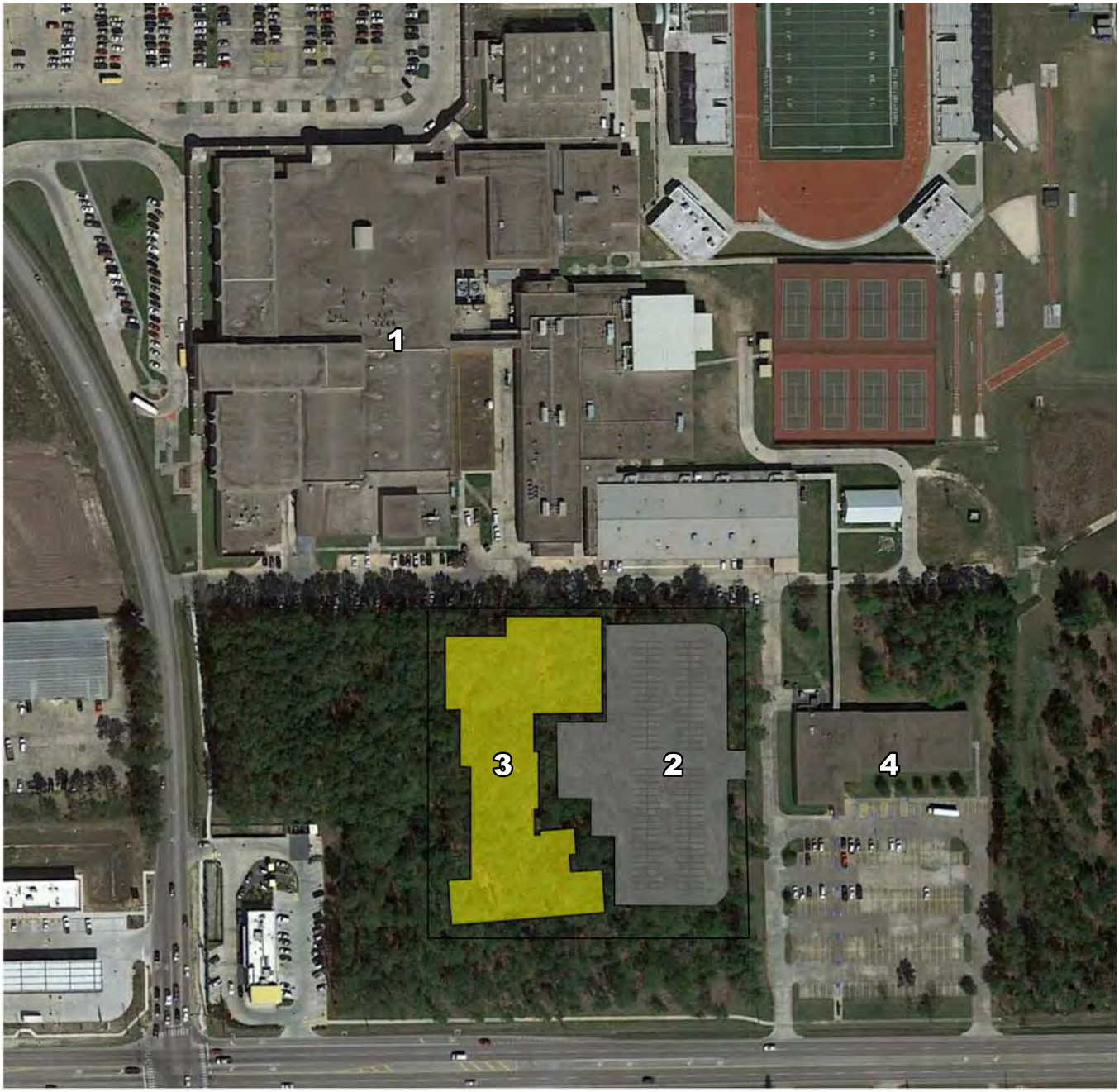
- 400 Student Capacity Early College — $11,916,220
  13 classrooms, 2 Multi-Purpose Labs, 3 Science Labs, Prep Kitchen, Student Café, Commons Area, Administration and support areas.

- Design and Estimating Contingency — $357,487

1. Costs shown are estimated cost for end of year 2016 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



New Early College

Humble Independent School District

Notes:

1. Humble High School
2. Proposed New Parking
3. Possible Location for Proposed New Early College
4. Existing CTE Center

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble
Independent School District

New CTE Center
Project Cost Worksheet

Total Construction Cost			**$55,872,190**
Construction Non-Contract Cost :		*7.0%*	*$3,911,053*
Furniture & Equipment:		*8.0%*	*$4,469,775*
Technology:		*7.5%*	*$4,190,414*
A & E Fee :		*6.0%*	*$3,352,331*
Total Project Cost 2017 Dollars			**$71,795,764**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$76,103,510**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$81,430,756**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$87,130,909**

The following items are included in the estimated Project Cost:

- 800 - 1,000 Student Capacity Career Center — $55,319,000
  Individual programs will need to be determined in the future and based on current District needs. Size and budgeting is based on Alief ISD CTE Center (which bid September 2016) as a budgeting exercise only.

- Design and Estimating Contingency — $553,190

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.



New District CTE Center

Humble Independent School District

Notes:

1. Humble High School
2. New Parking
3. Possible Location For Proposed New District CTE Center
4. Existing CTE Center

* ALL SKETCHES ARE SCHEMATIC IN NATURE AND ONLY PRESENTED AS A TEST FIT CONCEPT FOR EACH PROPOSED PROJECT.

Humble
Independent School District

Police Station and Emergency Operations Center Expansion
Project Cost Worksheet

Total Construction Cost			**$3,948,991**
Construction Non-Contract Cost :		*6.0%*	*$236,939*
Furniture & Equipment:		*5.0%*	*$197,450*
Technology:		*6.0%*	*$236,939*
A & E Fee :		*6.0%*	*$236,939*
Total Project Cost 2017 Dollars			**$4,857,259**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$5,148,695**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$5,509,103**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$5,894,741**

The following items are included in the estimated Project Cost:

- Police Station Expansion — $3,112,200

  Program to include expansion of training room (with associated storage space), restrooms, (7) offices, Armory Room, District server room on second floor, small conference room, and associated storage rooms

- Minor Renovation of existing spaces to accommodate program and growth needs and adjustments made with expansion — $225,000

  Renovations to some Offices, existing Armory and Evidence Rooms to accommodate program needs.

- Associated sitework and detention requirements — $350,000
- Premium for phased and small project — $184,360
- Design and Estimating Contingency — $77,431

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble

Independent School District

7,500 Seat - Multi-Purpose Arena

Project Cost Worksheet

Total Construction Cost			**$75,851,000**
Construction Non-Contract Cost :		*6.0%*	*$4,551,060*
Furniture & Equipment:		*3.0%*	*$2,275,530*
Technology:		*3.0%*	*$2,275,530*
A & E Fee :		*6.0%*	*$4,551,060*
Total Project Cost 2017 Dollars *(without banquet kitchen)*			**$89,504,180**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$94,874,431**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$101,515,641**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$108,621,736**

The following items are included in the estimated Project Cost:

• 7,500 Seat Multi-Purpose Arena *Structural steel frame, brick exterior, pre-cast concrete seating structure with plastic arena seats and support spaces. Includes removable wood floor, portable basketball goals and lower section of retractable bleachers.*	$63,000,000
• Concrete parking *(includes drainage and lighting)*	$11,000,000
• Video system, cameras and large format screens	$1,100,000
• Design and Estimating Contingency	$751,000
• **Potential Project Add-Ons** *(shown as total project cost)* Add for Banquet Kitchen	$2,250,000

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

Humble
Independent School District

New Ag Barn
Project Cost Worksheet

(this cost study is for new facility on unknown site and does not include land cost)

Total Construction Cost			**$4,484,375**
Construction Non-Contract Cost:		*4.0%*	*$179,375*
Furniture & Equipment:		*3.0%*	*$134,531*
Technology:		*3.0%*	*$134,531*
A & E Fee:		*6.0%*	*$269,063*
Total Project Cost 2017 Dollars			**$5,201,875**
Total Project Cost 2018 Dollars	*Estimated Inflation*	*6%*	**$5,513,988**
Total Project Cost 2019 Dollars	*Estimated Inflation*	*7%*	**$5,899,967**
Total Project Cost 2020 Dollars	*Estimated Inflation*	*7%*	**$6,312,964**

The following items are included in the estimated Project Cost:

- New Ag Barn for (2) high schools — $4,375,000

  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 — $109,375

1. Costs shown are estimated cost for end of year 2017 and have assumed estimated projected inflation rates using various construction industry data.

2. All non-contract, FF&E, technology and other soft cost percentages are estimated from actual most recently completed projects of similar scope and size.

3. Cost shown on this sheet excludes required property purchases and unknown site infrastructure considered not typical to a typical green field site.

2017 Facilities Assessment
2017-2027



helping

focus



improve



advance

compliant

quality



performance

excellence



innovative





progress

pioneering



enhance

diverse

partnership

integrity





PBK

FACILITY CONDITION ASSESSMENT

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SECTION 2

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SECTION 3

Middle School Assessment Reports 6.69

SECTION 4

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SECTION 5

Support Facility Assessment Reports 6.305



Section One
GENERAL INFORMATION
Assessed Facilities

HIGH SCHOOLS

- Atascocita High School
- Humble High School
- Kingwood High School
- Kingwood Park High School
- Summer Creek High School

MIDDLE SCHOOLS

- Atascocita Middle School
- Creekwood middle School
- Humble Middle School
- Kingwood Middle School
- Riverwood Middle School
- Ross Sterling Middle School
- Timberwood Middle School

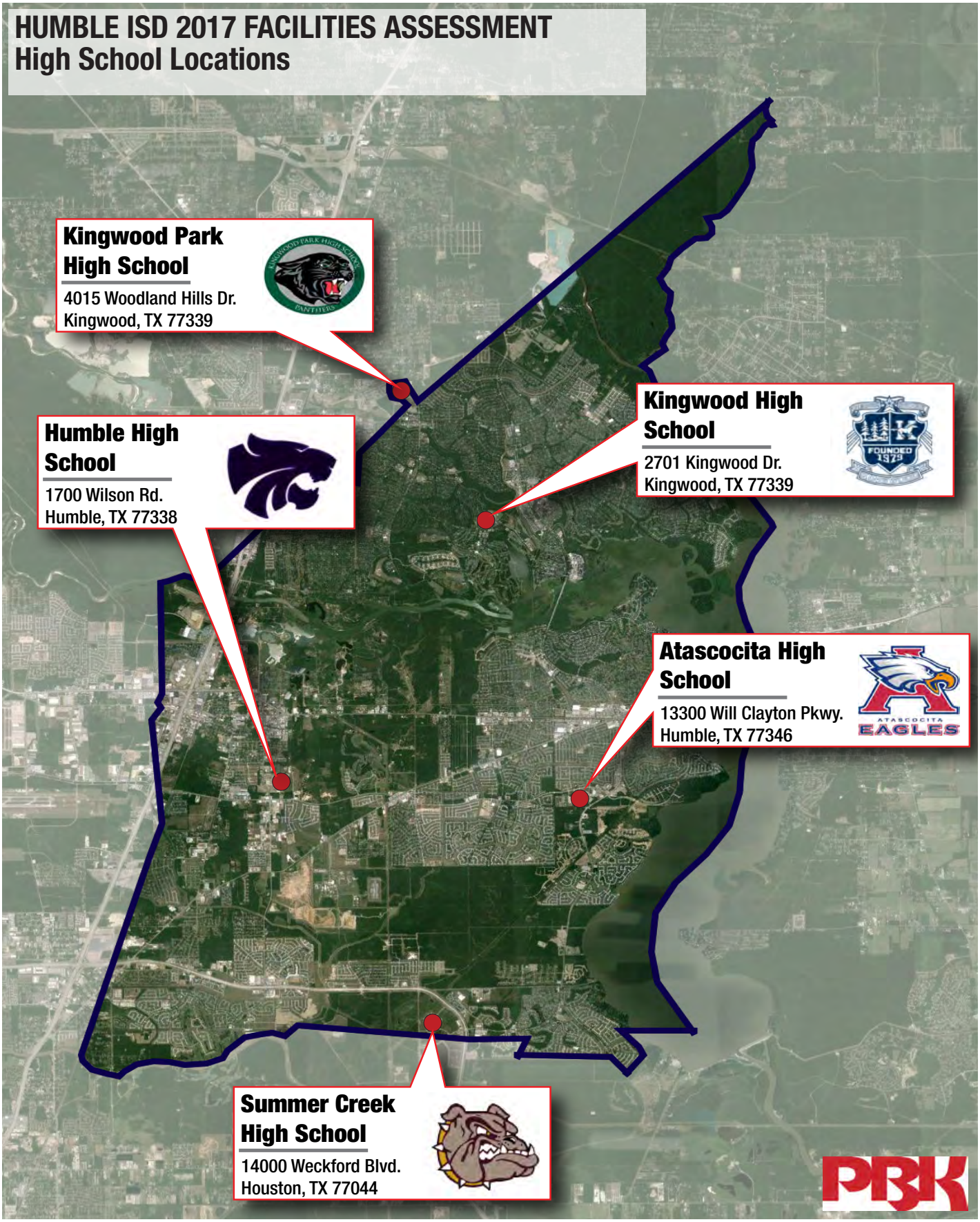
ELEMENTARY SCHOOLS

- Atascocita Springs Elementary School
- Bear Branch Elementary School
- Deerwood Elementary School
- Eagle Springs Elementary School
- Elm Grove Elementary School
- Fall Creek Elementary School
- Foster Elementary School
- Greentree Elementary School
- Hidden Hollow Elementary School
- Humble Elementary School
- Jack Fields Elementary School
- Lakeland Elementary School
- Lakeshore Elementary School
- Maplebrook Elementary School
- North Belt Elementary School
- Oaks Elementary School
- Oak Forest Elementary School
- Park Lakes Elementary School
- Pine Forest Elementary School
- Ridge Creek Elementary School
- River Pines Elementary School
- Shadow Forest Elementary School
- Summerwood Elementary School
- Timbers Elementary School
- Whispering Pines Elementary School
- Willow Creek Elementary School
- Woodland Hills Elementary School

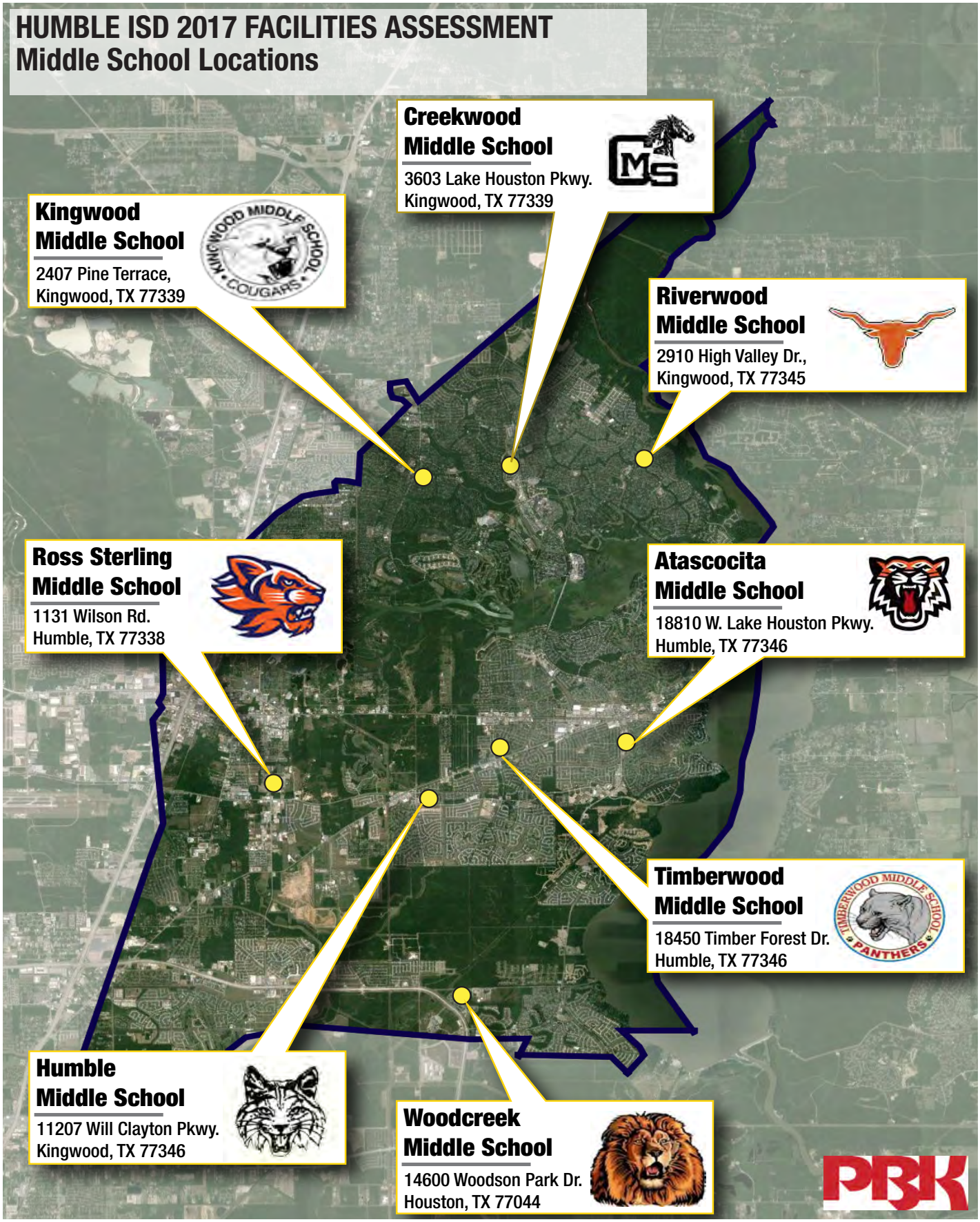
SUPPORT FACILITIES

- Administration Building
- Career & Technology Education Center
- Charles Street Stadium
- Child Nutrition Center
- Community Learning Center
- Emergency Operations Center
- Instructional Support Center
- Maintenance Building
- Transportation Building
- Turner Stadium
- Warehouse Building

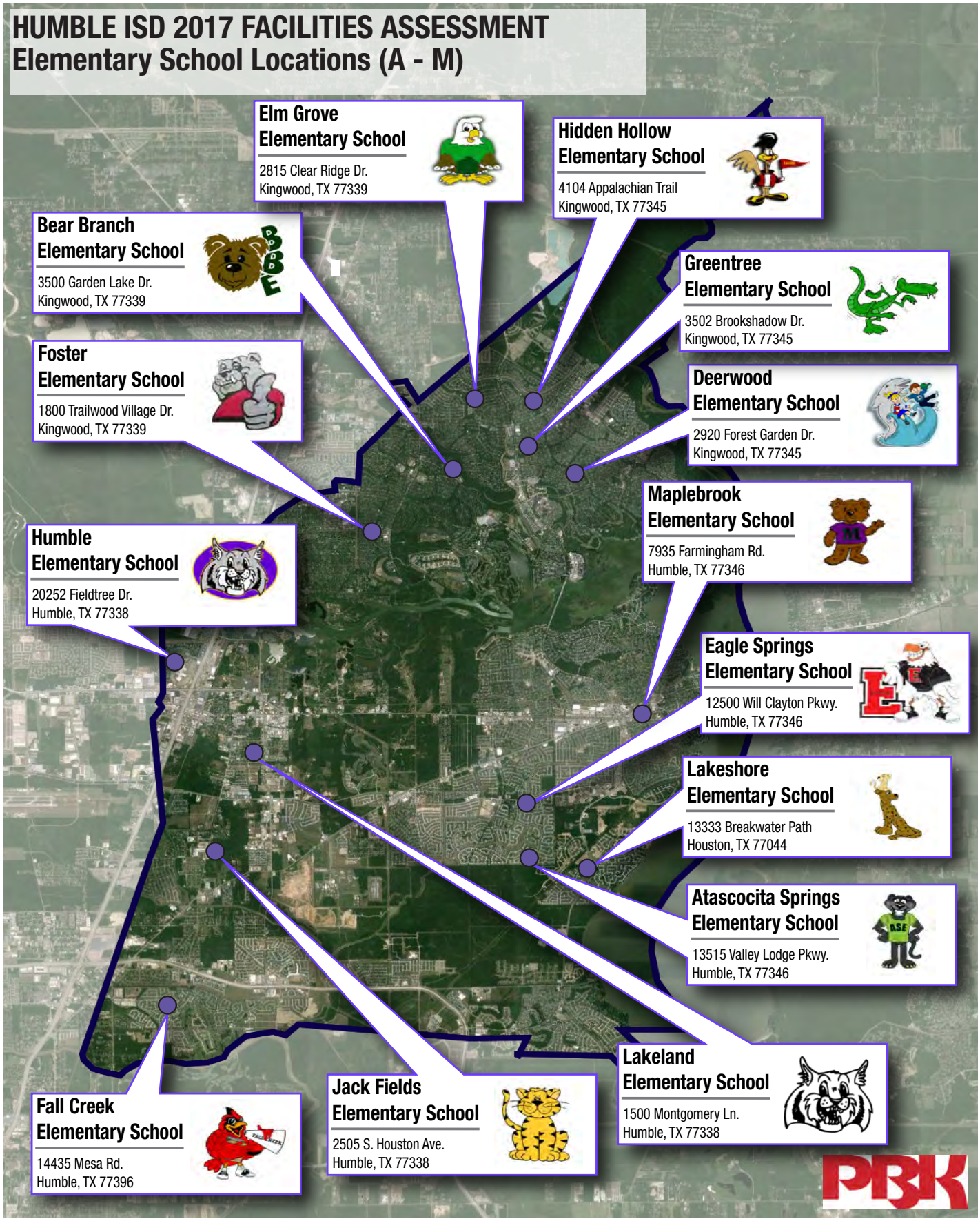
HUMBLE ISD 2017 FACILITIES ASSESSMENT
High School Locations



HUMBLE ISD 2017 FACILITIES ASSESSMENT
Middle School Locations



HUMBLE ISD 2017 FACILITIES ASSESSMENT
Elementary School Locations (A - M)



HUMBLE ISD 2017 FACILITIES ASSESSMENT
Elementary School Locations (N - Z)

Oaks Elementary School
5858 Upper Lake Dr.
Humble, TX 77346

Shadow Forest Elementary School
2300 Mills Branch Dr.
Kingwood, TX 77345

Woodland Hills Elementary School
2222 Tree Lane
Kingwood, TX 77339

Willow Creek Elementary School
2002 Willow Terrace
Kingwood, TX 77345

Timbers Elementary School
6910 Lonesome Woods
Humble, TX 77346

Pine Forest Elementary School
19702 W. Lake Houston Pkwy
Humble, TX 77346

Whispering Pines Elementary School
17321 Woodland Hills
Humble, TX 77339

River Pines Elementary School
2400 Cold River Dr.
Humble, TX 77396

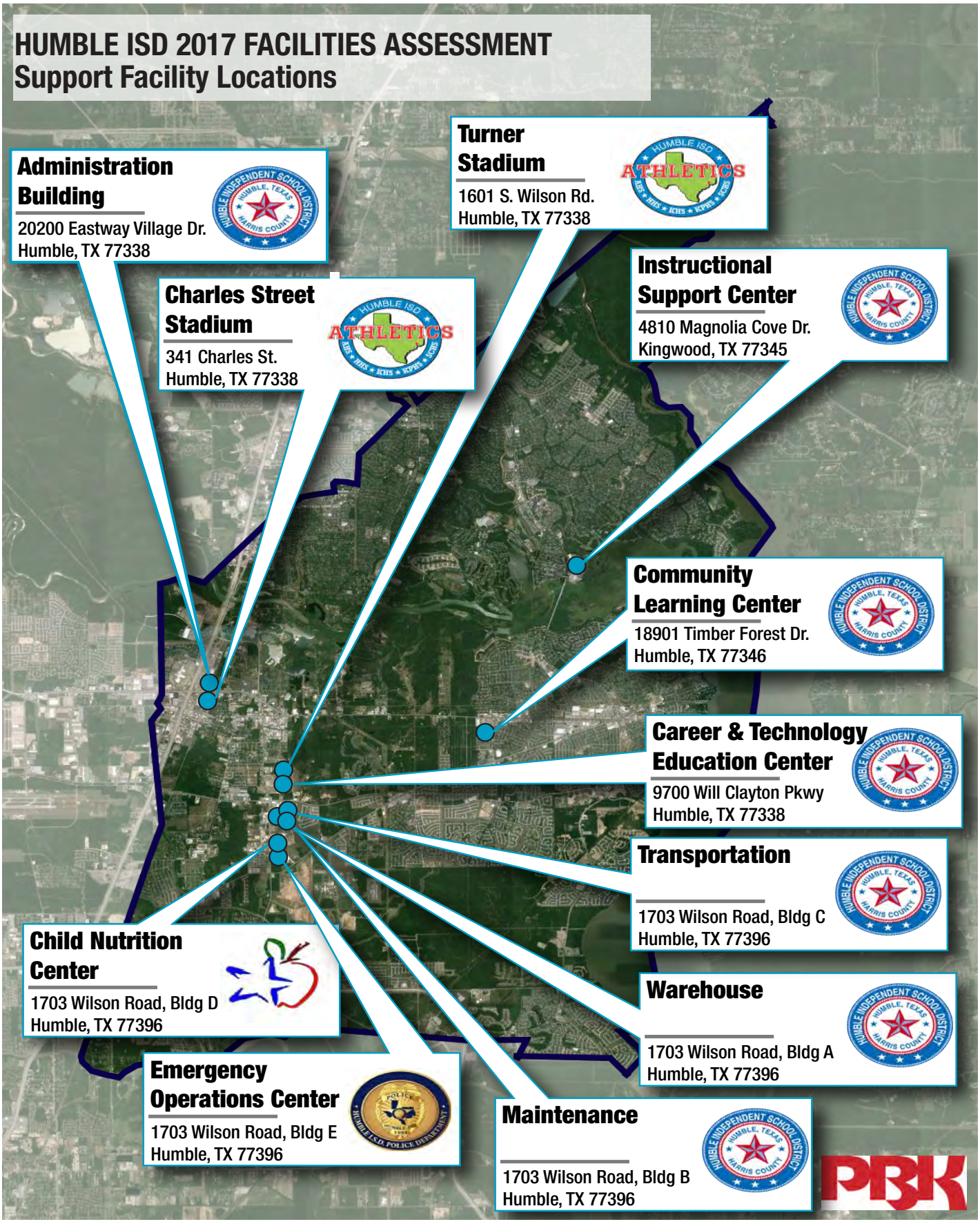
Oak Forest Elementary School
6400 Kingwood Glen
Humble, TX 77346

Ridge Creek Elementary School
15201 Woodland Hills Dr.
Humble, TX 77396

Summerwood Elementary School
14000 Summerwood Lakes
Houston, TX 77044

North Belt Elementary School
8105 E North Belt Dr.
Humble, TX 77396

Park Lakes Elementary School
4400 Wilson Rd.
Humble, TX 77396


HUMBLE ISD 2017 FACILITIES ASSESSMENT
Support Facility Locations
Administration Building
20200 Eastway Village Dr.
Humble, TX 77338
Turner Stadium
1601 S. Wilson Rd.
Humble, TX 77338
Charles Street Stadium
341 Charles St.
Humble, TX 77338
Instructional Support Center
4810 Magnolia Cove Dr.
Kingwood, TX 77345
Community Learning Center
18901 Timber Forest Dr.
Humble, TX 77346
Career & Technology Education Center
9700 Will Clayton Pkwy
Humble, TX 77338
Transportation
1703 Wilson Road, Bldg C
Humble, TX 77396
Child Nutrition Center
1703 Wilson Road, Bldg D
Humble, TX 77396
Warehouse
1703 Wilson Road, Bldg A
Humble, TX 77396
Emergency Operations Center
1703 Wilson Road, Bldg E
Humble, TX 77396
Maintenance
1703 Wilson Road, Bldg B
Humble, TX 77396
PBK

Humble Independent School District

2017 FACILITIES ASSESSMENT
CODE INDEX

DISCIPLINE

C	CIVIL	**E**	ELECTRICAL	**FL**	FIRE & LIFE SAFETY	**O**	OTHER
B	BUILDING ENVELOPE	**P**	PLUMBING	**S**	SECURITY	**NA**	NOT ASSIGNED
A	ARCHITECTURAL	**T**	TECHNOLOGY	**SP**	SPORTS		
M	MECHANICAL	**LV**	LOW VOLTAGE	**NS**	NUTRITION SERVICES		

CLASSIFICATION CODE

ACM	Asbestos	**EDF**	Electric Drinking Fountain	**MEQ**	Miscellaneous Equipment	**SGN**	Building Signage
ACO	Acoustical Treatment	**EG**	Emergency Generator	**MW**	Millwork	**SD**	Site Drainage
ADD	Building Addition	**ELE**	Electrical	**NA**	Not Assigned	**SF**	Site Fencing
AE	Athletic Events	**ESOF**	Exterior Soffit	**NC**	New Construction	**SL**	Site Lighting
AF	Athletic Fields	**FA**	Fire Alarm System	**OAPP**	Open Air Play Pavilion	**SPM**	Site Paving Maintenance
AT	Athletic Track	**FLR**	Flooring (carpet, tile, etc.)	**OTH**	Other	**SPN**	Site Paving (New)
AV	Audio/Visual/Sound	**FSPR**	Fire Sprinkler	**OUTDR**	Outdoor Learning	**SR**	Sound Reinforcement
BLC	Bleachers	**FIXT**	Fixtures (sinks, urinals, etc.)	**PA**	Public Address	**STR**	Structural/Foundation
BLD	Window Blinds	**GRP**	Building Graphics	**PGE**	Playground Equipment	**SU**	Site Utilities
CLG	Ceiling	**HDW**	Hardware	**PLB**	Building Plumbing	**SWR**	Shower
CLK	Clock	**HVAC**	Heat, Vent & Air	**PTG**	Painting	**TC**	Tennis Courts
CNPY	Covered Walkway/Canopy	**INT**	Interior Finish	**REN**	Renovation	**TECH**	Technology
CT	Cooling Tower	**IRR**	Irrigation	**RFM**	Roof Maintenance	**TP**	Toilet Partition
CWK	Casework	**LOC**	Locker	**RFR**	Roof Replacement	**WDW**	Window
DC	Display Case	**LS**	Life Safety	**SCM**	Security - Cameras	**WRE**	Wall Repair-Exterior
DR	Door	**LTG**	Lighting	**SCR**	Security - Card Readers	**WRI**	Wall Repair-Interior
EA	Educational Adequacy	**MBTB**	Markerboard/Tackboard	**SEC**	Security	**WS**	Waterproofing Sealant
ED	Electrical Distribution	**MECH**	Mechanical	**SIA**	Security - Intrusion Alarm	**WTRH**	Water Heater

PRIORITY CODE

1	Must Do: Legal, Safety Reasons or Critical Replacements - *(Life Expectancy: **1 - 2 years**)*
2	Should Do: Curricular, Instructional, Program Need - *(Life Expectancy: **3 - 5 years**)*
3	Would Like to Do: Curricular, Instructional, Program Enhancement - *(Life Expectancy: **6 - 10 years**)*
4	Future Consideration: Not To Be Addressed With Bond Funding At This Time *(Life Expectancy: **10 + years**)*
M	Could Be Addressed With Maintenance Funds
TBD	To Be Determined / Conditional Requirement

SOURCE CODE

CA	Consultant Assessment
CA-DP	Facility Assessment Review with District Personnel
PQI	Principal Questionnaire / Interview
PQ	Principal Questionnaire / Interview
DRS	District Replacement Schedule
UNIF	Unifier Study 2012

2017 FACILITIES ASSESSMENT

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 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	$40,937.50	$325,800.00
Building Envelope	$0.00	$4,953,850.00	$16,238,930.00
Architectural	$757,201,338.33	$24,852,940.00	$58,798,121.75
Mechanical	$0.00	$19,328,971.20	$42,460,513.20
Electrical	$0.00	$450,000.00	$5,926,140.00
Plumbing	$0.00	$325,350.00	$3,515,343.20
Technology	$0.00	$215,625.00	$19,357,965.70
Fire & Life Safety	$0.00	$1,645,525.00	$14,248,883.23
Security	$0.00	$1,119,890.00	$637,421.43
Sports	$6,785,000.00	$807,115.00	$15,696,109.20
Nutrition Services	$0.00	$10,223.50	$2,014,656.25
Other	$0.00	$3,588,000.00	$1,656,000.00
Priority Totals	$763,986,338.33	$57,338,427.20	$180,875,883.95

NOTE: This report includes cost for "Major Projects" such as Lakeland ES and Kingwood MS Replacement Projects and also their respective campus "Priority Maintenance" line items which would be required if the "Major Project" is not selected. As decisions are made in the future regarding "Major Projects" only the appropriate cost for the final scope of work will be included.

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.
The cost of all work items after this date should be adjusted accordingly.

PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
$21,000.00	$14,539,008.00	$18,000.00	$14,944,745.50
$2,481,425.00	$23,046,749.00	$34,772,950.00	$81,493,904.00
$30,856,007.10	$262,825,911.10	$64,390,992.90	$1,198,925,311.18
$18,478,726.40	$30,451,414.40	$16,974,200.00	$127,693,825.20
$10,207,600.00	$39,035,320.80	$0.00	$55,619,060.80
$2,726,857.60	$21,723,347.10	$1,889,816.40	$30,180,714.30
$0.00	$68,009,251.65	$11,838,146.58	$99,420,988.92
$0.00	$5,436,333.20	$31,183,211.70	$52,513,953.13
$680,250.00	$6,014,922.78	$974,167.07	$9,426,651.27
$747,291.25	$12,095,225.75	$4,931,266.25	$41,062,007.45
$2,188,230.00	$7,453,125.00	$1,397,500.00	$13,063,734.75
$0.00	$1,656,000.00	$1,656,000.00	$8,556,000.00
$68,387,387.35	$492,286,608.78	$170,026,250.90	$1,732,900,896.49

2017 FACILITIES ASSESSMENT

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.

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

FACILITY NAME	PRIORITY-MP	PRIORITY-1
High Schools		
Atascocita High School	$4,700,619.00	$2,608,475.00
Atascocita HS 10 Classroom Addition	$4,947,459.00	$0.00
Humble High School	$7,509,239.00	$4,083,150.00
Humble HS Library Renovation, Cafeteria Addition	$9,773,521.00	$0.00
Kingwood High School	$8,103,989.00	$3,179,100.00
Kingwood Park High School	$4,700,619.00	$8,653,346.30
Summer Creek High School	$4,700,619.00	$692,820.00
Field Turf at District Baseball/Softball Complex (HHS)	$2,185,000.00	$0.00
Field Turf at all HS Football Competition Fields	$4,600,000.00	$0.00
Subtotal	$51,221,065.00	$19,216,891.30
Middle Schools		
Atascocita Middle School	$0.00	$970,800.50
Creekwood Middle School	$0.00	$1,289,975.10
Humble Middle School	$0.00	$399,390.50
Kingwood Middle School	$0.00	$1,571,014.00
Kingwood Middle School Replacement	$62,824,966.00	$0.00
Riverwood Middle School	$0.00	$1,697,492.90
Ross Sterling Middle School	$0.00	$273,150.00
Timberwood Middle School	$0.00	$1,724,435.60
Woodcreek Middle School	$0.00	$398,500.00
Middle School Gyms Convert to Wood Floors	$1,475,833.33	$0.00
Subtotal	$64,300,799.33	$8,324,758.60

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.

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

PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	TOTAL COST
$6,050,513.75	$2,444,937.50	$15,319,294.28	$19,543,758.98	$50,667,598.50
$0.00	$0.00	$0.00	$0.00	$4,947,459.00
$18,970,030.38	$6,582,350.00	$14,923,686.25	$9,376,332.93	$61,444,788.55
$0.00	$0.00	$0.00	$0.00	$9,773,521.00
$7,524,578.20	$2,223,600.00	$31,248,415.90	$14,842,210.15	$67,121,893.25
$13,999,029.40	$4,044,516.40	$26,235,393.20	$6,110,438.80	$63,743,343.10
$7,253,235.00	$2,077,500.00	$12,391,038.50	$21,747,269.30	$48,862,481.80
$0.00	$0.00	$0.00	$0.00	$2,185,000.00
$0.00	$0.00	$0.00	$0.00	$4,600,000.00
$53,797,386.73	$17,372,903.90	$100,117,828.13	$71,620,010.15	$313,346,085.20
$5,006,941.70	$4,310,754.30	$11,941,012.85	$3,253,478.00	$25,482,987.35
$8,987,240.80	$1,080,400.00	$9,587,445.30	$4,418,090.60	$25,363,151.80
$6,123,322.10	$2,687,388.90	$10,691,935.80	$4,679,889.00	$24,581,926.30
$13,208,019.00	$2,453,590.00	$10,828,996.25	$2,454,071.20	$30,515,690.45
$0.00	$0.00	$0.00	$0.00	$62,824,966.00
$6,724,288.85	$2,486,675.00	$13,437,769.80	$1,938,196.60	$26,284,423.15
$3,778,250.70	$6,012,616.20	$12,225,161.43	$4,127,860.80	$26,417,039.13
$3,413,506.25	$1,586,700.00	$6,971,812.50	$6,230,621.00	$19,927,075.35
$1,538,198.75	$1,514,125.00	$6,313,417.50	$6,582,959.25	$16,347,200.50
$0.00	$0.00	$0.00	$0.00	$1,475,833.33
$48,779,768.15	$22,132,249.40	$81,997,551.43	$33,685,166.45	$259,220,293.35

2017 FACILITIES ASSESSMENT

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.

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

FACILITY NAME	PRIORITY-MP	PRIORITY-1
Elementary Schools		
Atascocita Springs Elementary School	$0.00	$217,350.00
Bear Branch Elementary School	$0.00	$374,450.00
Deerwood Elementary School	$0.00	$1,342,452.80
Eagle Springs Elementary School	$0.00	$414,000.00
Elm Grove Elementary School	$0.00	$387,750.00
Fall Creek Elementary School	$0.00	$0.00
Foster Elementary School	$0.00	$1,432,500.00
Greentree Elementary School	$0.00	$651,015.60
Hidden Hollow Elementary School	$0.00	$481,858.40
Humble Elementary School	$0.00	$1,123,000.00
Jack Fields Elementary School	$0.00	$1,847,350.00
Lakeland Elementary School	$0.00	$517,700.00
Lakeland Elementary School Replacement	$35,824,905.00	$0.00
Lakeshore Elementary School	$0.00	$312,800.00
Maplebrook Elementary School	$0.00	$406,250.00
North Belt Elementary School	$0.00	$375,600.00
Oak Forest Elementary School	$0.00	$1,612,460.50
Oaks Elementary School	$0.00	$155,250.00
Park Lakes Elementary School	$0.00	$414,000.00
Pine Forest Elementary School	$0.00	$969,806.40
Ridge Creek Elementary School	$0.00	$234,600.00
River Pines Elementary School	$0.00	$414,000.00
Shadow Forest Elementary School	$0.00	$169,360.50
Summerwood Elementary School	$0.00	$718,750.00
Timbers Elementary School	$0.00	$190,750.00

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.

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

PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	TOTAL COST
$621,750.00	$0.00	$2,967,510.00	$4,979,206.55	$8,785,816.55
$2,011,367.58	$2,196,317.60	$11,877,086.75	$1,002,829.40	$17,462,051.33
$5,103,128.77	$12,500.00	$7,884,701.95	$1,634,328.30	$15,977,111.82
$771,250.00	$94,750.00	$9,336,460.00	$1,434,395.80	$12,050,855.80
$2,362,642.00	$292,999.60	$15,300,402.88	$937,748.78	$19,281,543.25
$400,530.00	$102,000.00	$10,772,030.00	$2,774,873.30	$14,049,433.30
$2,987,764.40	$166,750.00	$12,667,568.45	$1,139,012.20	$18,393,595.05
$1,887,799.80	$839,900.00	$11,997,013.50	$1,853,277.20	$17,229,006.10
$3,245,543.20	$2,292,512.00	$9,612,250.80	$1,673,272.00	$17,305,436.40
$2,406,717.50	$296,150.00	$9,720,705.80	$710,275.00	$14,256,848.30
$1,252,101.00	$788,112.00	$12,101,567.50	$1,159,565.80	$17,148,696.30
$9,719,730.50	$1,904,554.20	$9,588,080.60	$570,050.00	$22,300,115.30
$0.00	$0.00	$0.00	$0.00	$35,824,905.00
$1,012,380.00	$66,000.00	$8,374,333.85	$4,435,048.55	$14,200,562.40
$1,166,484.38	$2,776,300.00	$9,733,106.25	$1,409,840.80	$15,491,981.43
$4,155,995.00	$181,600.00	$9,993,594.25	$2,283,961.20	$16,990,750.45
$1,120,053.88	$264,045.00	$14,871,276.88	$1,096,962.80	$18,964,799.05
$1,277,900.00	$698,700.00	$11,972,819.40	$3,066,729.60	$17,171,399.00
$1,404,190.00	$286,750.00	$7,162,827.50	$2,597,245.80	$11,865,013.30
$5,472,922.15	$720,550.00	$11,192,374.55	$1,321,035.50	$19,676,688.60
$448,100.00	$213,000.00	$2,182,494.00	$5,179,934.50	$8,258,128.50
$578,250.00	$111,000.00	$11,738,401.25	$1,593,573.75	$14,435,225.00
$3,038,577.10	$674,950.00	$9,312,646.55	$2,765,563.00	$15,961,097.15
$636,300.00	$308,400.00	$14,825,761.50	$918,590.80	$17,407,802.30
$7,381,490.00	$601,950.00	$12,982,216.50	$1,569,557.70	$22,725,964.20

2017 FACILITIES ASSESSMENT

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.

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

FACILITY NAME	PRIORITY-MP	PRIORITY-1
Whispering Pines Elementary School	$0.00	$616,750.00
Willow Creek Elementary School	$0.00	$798,315.30
Woodland Hills Elementary School	$0.00	$1,141,200.00
Multi-Purpose Rooms at Elementary Campuses	$60,492,806.00	$0.00
Subtotal	$96,317,711.00	$17,319,319.50
Support Facilities		
Administration Building	$0.00	$368,000.00
Career & Technology Education Center	$0.00	$6,806,445.20
Charles Street Stadium Repairs	$0.00	$722,500.00
Charles Street Stadium Major Renovations	$6,356,805.00	$0.00
Child Nutrition Center	$0.00	$117,250.00
Community Learning Center	$0.00	$223,100.00
Community Learning Center Multi-Purpose Gym	$4,700,619.00	$0.00
Emergency Operations Center (EOC)	$0.00	$0.00
Emergency Operations Center (EOC) Expansion	$4,857,259.00	$0.00
Instructional Support Center	$0.00	$102,000.00
Maintenance	$0.00	$0.00
Transportation Center	$0.00	$3,611,000.00
Turner Stadium	$0.00	$0.00
Warehouse / Purchasing	$0.00	$527,162.60
Subtotal	$15,914,683.00	$12,477,457.80

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.

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

PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	TOTAL COST
$2,793,246.00	$1,648,000.00	$15,749,973.00	$1,311,849.20	$22,119,818.20
$3,105,164.40	$177,000.00	$10,124,798.90	$1,226,837.60	$15,432,116.20
$1,368,638.18	$2,969,502.80	$12,176,108.65	$1,105,954.40	$18,761,404.03
$0.00	$0.00	$0.00	$0.00	$60,492,806.00
$67,730,015.82	$20,684,293.20	$286,218,111.25	$51,751,519.52	$540,020,970.29

$407,250.00	$2,902,275.00	$1,023,200.00	$972,000.00	$5,672,725.00
$630,775.35	$116,400.00	$664,188.75	$207,011.60	$8,424,820.90
$1,823,250.00	$34,500.00	$269,100.00	$36,000.00	$2,885,350.00
$0.00	$0.00	$0.00	$0.00	$6,356,805.00
$511,375.00	$2,731,900.00	$608,119.43	$205,758.08	$4,174,402.50
$993,700.00	$1,098,000.00	$9,473,800.00	$5,817,345.00	$17,605,945.00
$0.00	$0.00	$0.00	$0.00	$4,700,619.00
$232,475.00	$0.00	$612,906.00	$738,656.50	$1,584,037.50
$0.00	$0.00	$0.00	$0.00	$4,857,259.00
$581,937.50	$138,200.00	$1,339,355.60	$173,620.80	$2,335,113.90
$264,535.60	$471,362.10	$688,614.40	$146,678.40	$1,571,190.50
$2,833,364.80	$39,000.00	$3,444,953.90	$2,368,923.60	$12,297,242.30
$1,884,500.00	$557,553.75	$4,544,825.00	$1,405,550.00	$8,392,428.75
$405,550.00	$108,750.00	$1,284,054.90	$898,010.80	$3,223,528.30
$10,568,713.25	$8,197,940.85	$23,953,117.98	$12,969,554.78	$84,081,467.65

2017 FACILITIES ASSESSMENT

District Discipline Totals

PROPOSED WORK ITEMS

All costs are shown in 2017 dollars.

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

FACILITY NAME	PRIORITY-MP	PRIORITY-1
New Construction		
New District CTE Center	$71,795,764.00	$0.00
New District Natatorium	$42,474,408.00	$0.00
New Early College	$15,096,658.00	$0.00
New Elementary School #30	$32,150,133.00	$0.00
New Elementary School #31	$32,150,133.00	$0.00
New High School #7	$159,613,410.00	$0.00
New Middle School #10	$57,819,741.00	$0.00
New Multi-Purpose Arena	$89,504,180.00	$0.00
New Pre-Kindergarten Center	$14,453,218.00	$0.00
New Ag Barn	$5,201,875.00	$0.00
New Transportation Center	$15,972,560.00	$0.00
Subtotal	$536,232,080.00	$0.00
Priority Totals	$763,986,338.33	$57,338,427.20

NOTE: This report includes cost for "Major Projects" such as Lakeland ES and Kingwood MS Replacement Projects and also their respective campus "Priority Maintenance" line items which would be required if the "Major Project" is not selected. As decisions are made in the future regarding "Major Projects" only the appropriate cost for the final scope of work will be included.

District Discipline Totals

PROPOSED WORK ITEMS

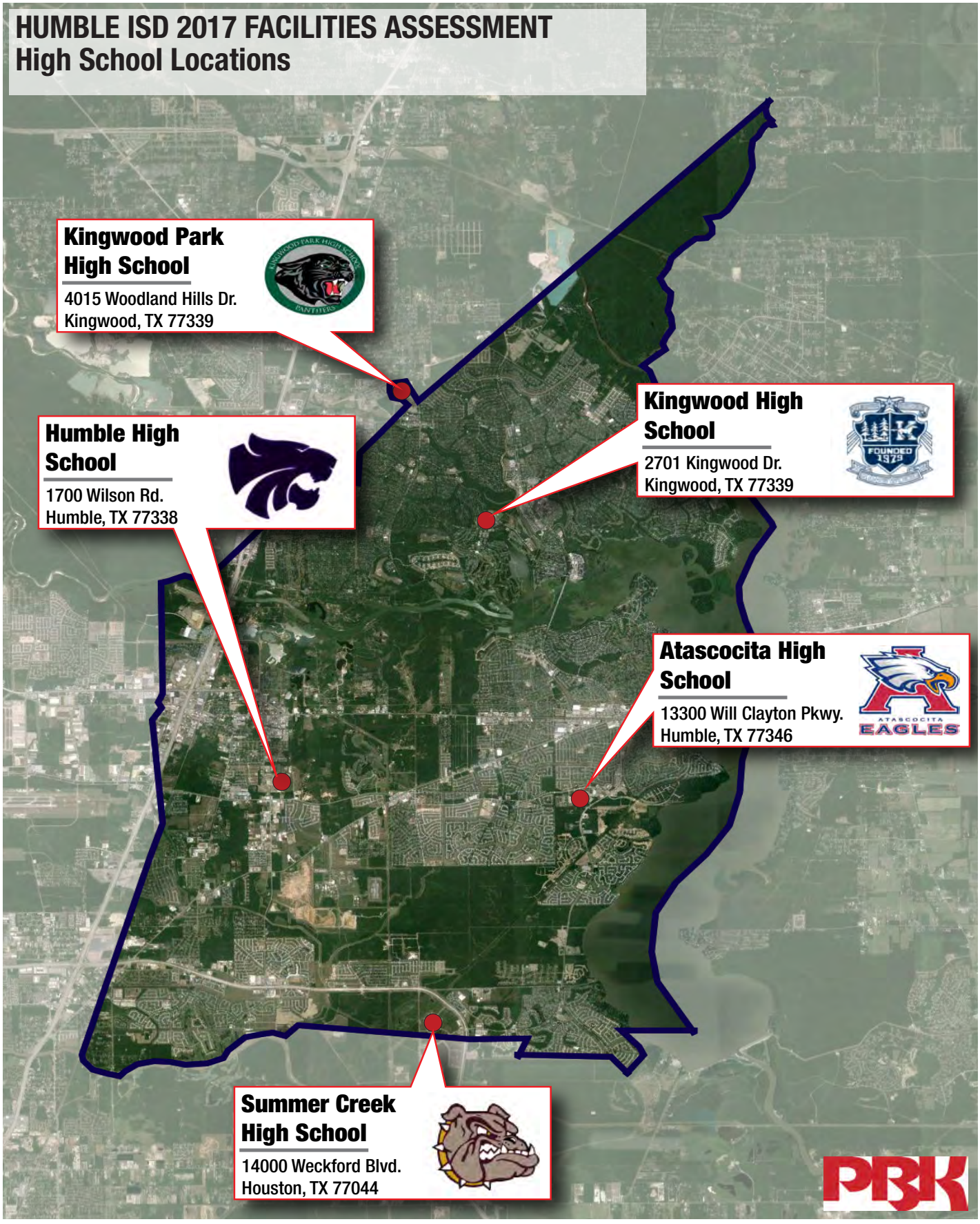
All costs are shown in 2017 dollars.

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

PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	TOTAL COST
$0.00	$0.00	$0.00	$0.00	$71,795,764.00
$0.00	$0.00	$0.00	$0.00	$42,474,408.00
$0.00	$0.00	$0.00	$0.00	$15,096,658.00
$0.00	$0.00	$0.00	$0.00	$32,150,133.00
$0.00	$0.00	$0.00	$0.00	$32,150,133.00
$0.00	$0.00	$0.00	$0.00	$159,613,410.00
$0.00	$0.00	$0.00	$0.00	$57,819,741.00
$0.00	$0.00	$0.00	$0.00	$89,504,180.00
$0.00	$0.00	$0.00	$0.00	$14,453,218.00
$0.00	$0.00	$0.00	$0.00	$5,201,875.00
$0.00	$0.00	$0.00	$0.00	$15,972,560.00
$0.00	$0.00	$0.00	$0.00	$536,232,080.00
$180,875,883.95	$68,387,387.35	$492,286,608.78	$170,026,250.90	$1,732,900,896.49

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HIGH SCHOOLS



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ATASCOCITA HIGH SCHOOL

Atascocita
High School
Rigor, Relevance and Relationships



Aerial Site Plan



13300 Will Clayton Parkway
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 2006
BUILDING AREA: 493,767 SF
SITE ACREAGE: 106.03
BUILDING CAPACITY: 3,200
CURRENT ENROLLMENT: 3,527
ENROLLMENT AS OF: 2016-2017

ATASCOCITA HIGH SCHOOL

Front Door



Existing Site Plan



ATASCOCITA HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	*Total Cost*
Priority - MP	***$4,700,619.00***
Priority - 1	***$2,608,475.00***
Priority - 2.1	***$6,050,513.75***
Priority - 2.2	***$2,444,937.50***
Priority - 3	***$15,319,294.28***
Priority - 4	***$19,543,758.98***
Priority Totals	***$50,667,598.50***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$57,500.00	$115,750.00	$0.00	$5,625,000.00	$5,798,250.00
Architectural	$4,700,619.00	$556,600.00	$2,129,535.00	$989,250.00	$2,861,740.00	$6,433,810.60	$17,671,554.60
Mechanical	$0.00	$960,000.00	$103,500.00	$150,000.00	$4,358,750.00	$80,500.00	$5,652,750.00
Electrical	$0.00	$0.00	$270,000.00	$1,104,000.00	$2,150,281.20	$0.00	$3,524,281.20
Plumbing	$0.00	$0.00	$0.00	$0.00	$151,200.00	$0.00	$151,200.00
Technology	$0.00	$0.00	$912,525.00	$0.00	$3,028,123.08	$1,882,896.15	$5,823,544.23
Fire & Life Safety	$0.00	$85,625.00	$341,725.00	$0.00	$9,200.00	$3,673,561.20	$4,110,111.20
Security	$0.00	$1,006,250.00	$0.00	$0.00	$373,750.00	$283,916.03	$1,663,916.03
Sports	$0.00	$0.00	$2,235,728.75	$85,937.50	$2,386,250.00	$1,419,075.00	$6,126,991.25
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$0.00	$145,000.00	$145,000.00
Priority Totals	$4,700,619.00	$2,608,475.00	$6,050,513.75	$2,444,937.50	$15,319,294.28	$19,543,758.98	**$50,667,598.50**

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 final scope of work will be included.

ATASCOCITA HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
BUILDING ENVELOPE						$5,798,250.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA	WS	$57,500.00
	B2	Provide miscellaneous repairs at roofs.	2.2	CA	RFM	$18,000.00
	B3	(Library) - Water leaks above windows.	2.2	CA-DP	WDW	$11,500.00
	B4	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$86,250.00
	B5	Replace all existing roofs. (Original roof 2006, scheduled replacement 2026).	4	DRS	RFR	$5,625,000.00
ARCHITECTURAL						$17,671,554.60
	A1	New Third Gym (Practice) Addition.	MP	CA-DP	ADD_MP	$4,700,619.00
	A2	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$556,600.00
	A3	(Clinic) - Add cabinets with locks for medicine storage.	2.1	CA-DP	CWK	$1,035.00
	A4	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2006 scheduled for 2021).	2.1	DRS	FLR	$966,000.00
	A5	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2007 scheduled for 2017).	2.1	DRS	PTG	$862,500.00
	A6	(CTE - Aerospace Classroom) - Renovate and existing biology or chemistry classroom to become a classroom for the Aerospace program. Aerospace classroom to have a "clean" side and a shop side.	2.1	CA-DP	REN	$300,000.00
	A7	(Campus wide) - Add 200 lockers. (There are not enough lockers; 180 lockers for freshman and sophomores, so they have to double up lockers).	2.2	PQI	LOC	$46,000.00
	A8	(Art) - Replace kiln, new kiln to have remote control and notification capability.	2.2	CA-DP	MEQ	$5,750.00
	A9	(Cafeteria) - Renovation to make the Cafeteria a place students want to be (add features such as standing height bars, fixed group seating, and flexible seating, and spatial elements).	2.2	CA-DP	REN	$937,500.00
	A10	(Greenhouse) - Add a Greenhouse for CTE programs.	3	CA-DP	ADD	$125,000.00
	A11	(Ag Shop) - Ag Shop Addition (the existing Shop is too small).	3	CA-DP	ADD	$437,500.00
	A12	(Room 1809) - Auto Shop does not have a closet.	3	CA-DP	ADD	$16,250.00
	A13	(CTE Shop Areas) - Add canopy to provide more covered area the shop area overhead doors.	3	CA-DP	CNPY	$115,000.00
	A14	(Natatorium) - Coat pool deck with epoxy surface (it is currently concrete).	3	CA-DP	FLR	$64,400.00
	A15	(Boys' Locker Room - Natatorium) - Replace lockers.	3	CA-DP	LOC	$39,215.00
	A16	(Auto Shop) - Replace existing automotive equipment and add equipment as required to meet program needs.	3	CA-DP	MEQ	$86,250.00
	A17	Renovate existing Computer Labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$103,125.00
	A18	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$1,875,000.00
	A19	(Auditorium) - Replace Auditorium and black box control booth windows with operable windows.	4	CA-DP	AV	$9,200.00
	A20	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$1,420,205.60
	A21	(Physics Room) - Shortage of shelving in prep area.	4	CA-DP	CWK	$6,900.00

ATASCOCITA HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	A22	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$3,335,000.00
	A23	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$114,080.00
	A24	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$178,250.00
	A25	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$834,900.00
	A26	(Cafeteria) - Add level landing at the Cafeteria door that leads to outdoor Lunch area.	4	PQI	FLR	$8,050.00
	A27	Replace all marker boards campus-wide.	4	CA	MBTB	$201,250.00
	A28	(Auditorium) - Have to travel through corridor to get to dressing rooms.	4	CA-DP	REN	$18,750.00
	A29	(Room 1307A) - Convert room into costume storage.	4	CA-DP	REN	$20,625.00
	A30	(Library) - Renovate corner area by adding glass wall and turning into testing room and computer lab.	4	CA-DP	REN	$75,000.00
	A31	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$211,600.00
MECHANICAL						$5,652,750.00
	M1	Replace pool HVAC unit.	1	CA-DP	HVAC	$960,000.00
	M2	Refurbish/replace (2) Marley cooling tower fill (last fill was 2013, next fill in 2020).	2.1	DRS	CT	$103,500.00
	M3	Provide DX cooling in administration area (add coil).	2.2	CA	HVAC	$54,000.00
	M4	(Indoor): Exhaust system needed for locker rooms and weight rooms.	2.2	CA-DP	MECH	$96,000.00
	M5	(Outdoor Misc.) - Ticket booth ventilation needed, updated A/C with moisture control.	3	CA-DP	AF	$28,750.00
	M6	Replace (2) Marley cooling towers (installed in 2006, replace in 2026).	3	DRS	CT	$1,012,000.00
	M7	(1/3 & 2/3) Replace (2) Trane water cooled chillers (installed in 2006, replace in 2026).	3	DRS	HVAC	$1,080,000.00
	M8	(1/5) Replace Sellers heating boiler in Central Plant (installed in 2004, replace in 2024 - 2029).	3	DRS	HVAC	$1,152,000.00
	M9	(3/3) Replace McQuay air cooled chiller (installed 2009, replace in 2024).	3	DRS	HVAC	$210,000.00
	M10	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$660,000.00
	M11	(4/5 & 5/5) Replace (2) Raypak pool boilers (installed in 2014, replace in 2024 - 2029).	3	DRS	MECH	$216,000.00
	M12	(CTE) Air Compressors: Replace compressed air system at CTE areas (install the same standardized system at each high school campus).	4	CA-DP	MEQ	$80,500.00
ELECTRICAL						$3,524,281.20
	E1	Provide surge suppression on main switchboard and 480/277V panels.	2.1	CA-DP	ED	$90,000.00
	E2	(Track and Field) - Electrical in press box is 10 years old, update needed.	2.1	CA-DP	ELE	$180,000.00
	E3	(Auditorium) - Spot lights are too close to the ceiling and can not be used.	2.2	CA-DP	LTG	$24,000.00
	E4	Provide LED house lighting in Auditorium.	2.2	CA-DP	LTG	$360,000.00
	E5	Provide new theatrical lighting system in performance Auditorium and black box.	2.2	CA	LTG	$720,000.00
	E6	(Band Hall and Orchestra) - Add data outlets (2 outlets added to each room).	3	CA-DP	ELE	$720.00
	E7	(Band Hall and Orchestra) - Add electrical outlets (8 outlets added to each room).	3	CA-DP	ELE	$18,000.00
	E8	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E9	Upgrade interior lighting to LED.	3	CA-DP	LTG	$1,481,301.00

ATASCOCITA HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	E10	Replace occupancy sensors.	3	CA-DP	LTG	$296,260.20
	E11	Provide LED building exterior lighting.	3	CA	SL	$84,000.00
	E12	Provide LED parking lot lighting.	3	CA	SL	$210,000.00
PLUMBING						$151,200.00
	P1	(Auto Shop) - Do not have any floor drains.	3	CA-DP	PLB	$36,000.00
	P2	(2/5 & 3/5) Replace (2) Sellers domestic boilers in Central Plant (installed in 2004, replace in 2024 - 2029).	3	DRS	WTRH	$115,200.00
TECHNOLOGY						$5,823,544.23
	T1	Provide new audio and video systems in performance Auditorium and Black Box.	2.1	CA	AV	$575,000.00
	T2	Provide new security system at athletic/play fields with (4) cameras at concession building and (2) each at (3) press boxes, for a total of 9.	2.1	CA-DP	SCM	$41,400.00
	T3	Local sound upgrade in Natatorium.	2.1	CA-DP	SR	$66,125.00
	T4	Wireless access upgrade.	2.1	CA-DP	TECH	$230,000.00
	T5	Provide new local sound in Cafeteria/Gyms.	3	CA	AV	$163,875.00
	T6	Provide new classroom projection equipment.	3	CA	AV	$1,092,500.00
	T7	Provide new technology cabling.	3	CA	TECH	$851,748.08
	T8	Upgrade network equipment.	3	CA	TECH	$920,000.00
	T9	Provide new sound system at athletic/play fields.	4	CA	AV	$179,400.00
	T10	Provide new clock system.	4	CA	CLK	$851,748.08
	T11	Provide new intercom system.	4	CA	PA	$851,748.08
FIRE & LIFE SAFETY						$4,110,111.20
	FL1	(Clinic) - Needs an emergency eyewash.	1	CA-DP	FXT	$8,625.00
	FL2	(AG Shop) - There is not a hood vent, and there is not a emergency eyewash.	1	CA-DP	FXT	$23,000.00
	FL3	Provide a sports lighting control station.	1	CA-DP	SL	$54,000.00
	FL4	Replace Kohler emergency generator (installed in 2005, replace in 2020). (Would like natural gas instead of existing diesel).	2.1	DRS	EG	$287,500.00
	FL5	(Physics Room) - Provide an emergency eyewash, which will allow for more uses.	2.1	CA-DP	FXT	$8,625.00
	FL6	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL7	Renew curtain flame retardant substrate. Last replaced in 2016, next renewal in 2026.	3	DRS	MEQ	$9,200.00
	FL8	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$1,777,561.20
	FL9	Provide a fire sprinkler system in the 2006 (original) portion of the building (approximately 80% of campus). Only the addition is sprinklered. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$1,896,000.00
SECURITY						$1,663,916.03
	S1	Provide IP camera system to replace analog (and not adequate to cover all areas per Principal). High priority per Jack Bayes.	1	PQI	SCM	$1,006,250.00
	S2	Provide new access control system.	3	CA	SCR	$373,750.00
	S3	Provide new intrusion detection system.	4	CA	SIA	$283,916.03
SPORTS						$6,126,991.25
	SP1	(Weight Room) - Weight Room and Laundry Room Addition. Provide new Weight Room and Laundry space addition for Athletics (only 2 existing washers).	2.1	CA-DP	ADD	$525,000.00

ATASCOCITA HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	SP2	(Practice Fields/Concession) - Inlet behind softball left field to be lowered and area around to be graded for positive drainage.	2.1	CA-DP	AF	$11,902.50
	SP3	(Softball) - Provide visitor bullpen - synthetic turf on concrete pad.	2.1	CA-DP	AF	$57,500.00
	SP4	(Baseball) - Improve roof drainage around press box, water tends to pond from roof runoff at base of press box.	2.1	CA-DP	AF	$8,625.00
	SP5	(Softball) - Existing chain-link backstop to be upgraded with backstop wall and 40' netting system.	2.1	CA-DP	AF	$111,435.00
	SP6	(Baseball) - Existing chain-link backstop to be upgraded with backstop wall and 60' netting system.	2.1	CA-DP	AF	$187,766.25
	SP7	(Baseball/Softball) - Add covered hitting cage to existing hitting cage pad for baseball and softball usage.	2.1	CA-DP	AF	$483,000.00
	SP8	(Outdoor Misc.) - Provide addition/expansion to existing concession/storage building to address storage space shortage.	2.1	CA-DP	AF	$552,000.00
	SP9	(Softball) - Add 8' chain-link fence in front of dugouts for safety.	2.1	CA-DP	AF	$4,600.00
	SP10	(Baseball) - Provide field dirt material storage (3 bins).	2.1	CA-DP	AF	$5,750.00
	SP11	(Outdoor Misc.) - Improve drainage around ticket booth, water ponding near door.	2.1	CA-DP	AF	$6,900.00
	SP12	Addition to football storage: Include room for large table with storage.	2.1	CA-DP	REN	$281,250.00
	SP13	(Athletic Lockers) Replace athletic lockers.	2.2	CA-DP	REN	$85,937.50
	SP14	(Baseball-AHS) - Convert existing field to synthetic turf.	3	CA-DP	AF	$1,495,000.00
	SP15	(Softball-AHS) - Convert existing field to synthetic turf.	3	CA-DP	AF	$690,000.00
	SP16	(Baseball) - New tarp storage pad.	3	CA-DP	AF	$5,750.00
	SP17	(Softball) - New tarp storage pad.	3	CA-DP	AF	$5,750.00
	SP18	(Outdoor Misc.) - Video camera stand needed for filming.	3	CA-DP	AF	$17,250.00
	SP19	(Baseball) - Both bullpens in need of upgrade; synthetic turf on concrete pad.	3	CA-DP	AF	$115,000.00
	SP20	(Softball) - Upgrade home bullpen to synthetic turf on concrete pad.	3	CA-DP	AT	$57,500.00
	SP21	(Practice Fields/Concession) - Running hill to be regraded; synthetic turf running lane preferred.	4	CA-DP	AF	$17,250.00
	SP22	(Outdoor Misc.) - Provide synthetic turf area outside/adjacent to football locker room area.	4	CA-DP	AF	$201,825.00
	SP23	Upgrade sports lighting at Football, Baseball, Softball and Tennis.	4	CA-DP	SL	$1,200,000.00
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	4	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	4	CA-DP	REN	$87,500.00

ATASCOCITA HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST

CODE	PRIORITY	TOTAL
MP	Major Projects: Items that have been planned or have already been designated as Major Projects.	$4,700,619.00
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$2,608,475.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$6,050,513.75
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,444,937.50
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$15,319,294.28
4	Future Consideration - (Life Expectancy: 10 + years)	$19,543,758.98
		$50,667,598.50

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

HUMBLE HIGH SCHOOL

Humble
High School
Go Wildcats!



Aerial Site Plan



1700 Wilson Road
Humble, Texas 77338

ORIGINAL BUILDING COMPLETED: 1979
BUILDING AREA: 488,715 SF
SITE ACREAGE: 27.32
BUILDING CAPACITY: 2,400
CURRENT ENROLLMENT: 1,987
ENROLLMENT AS OF: 2016-2017

HUMBLE HIGH SCHOOL

Front Door



Existing Site Plan



HUMBLE HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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Priority	Total Cost
Priority - MP	$7,509,239.00
Priority - 1	$4,083,150.00
Priority - 2.1	$18,970,030.38
Priority - 2.2	$6,582,350.00
Priority - 3	$14,922,786.25
Priority - 4	$9,376,332.93
Priority Totals	**$61,443,888.55**

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$4,569,530.00	$0.00	$557,344.00	$0.00	$5,126,874.00
Architectural	$7,509,239.00	$2,467,800.00	$3,414,350.00	$545,150.00	$5,301,737.50	$5,892,915.80	$25,131,192.30
Mechanical	$0.00	$1,299,000.00	$4,093,494.00	$1,081,200.00	$1,536,200.00	$656,500.00	$8,666,394.00
Electrical	$0.00	$0.00	$172,800.00	$4,272,000.00	$2,101,755.00	$0.00	$6,546,555.00
Plumbing	$0.00	$57,600.00	$451,800.00	$144,000.00	$806,700.00	$57,600.00	$1,517,700.00
Technology	$0.00	$0.00	$1,043,050.00	$0.00	$2,855,585.13	$843,085.13	$4,741,720.25
Fire & Life Safety	$0.00	$258,750.00	$898,747.63	$0.00	$1,121,250.00	$1,759,482.00	$4,038,229.63
Security	$0.00	$0.00	$0.00	$0.00	$281,028.38	$0.00	$281,028.38
Sports	$0.00	$0.00	$2,809,852.50	$540,000.00	$361,186.25	$166,750.00	$3,877,788.75
Nutrition Services	$0.00	$0.00	$1,516,406.25	$0.00	$0.00	$0.00	$1,516,406.25
Priority Totals	$7,509,239.00	$4,083,150.00	$18,970,030.38	$6,582,350.00	$14,922,786.25	$9,376,332.93	**$61,443,888.55**

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 final scope of work will be included.

HUMBLE HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
BUILDING ENVELOPE						$5,126,874.00
	B1	Replace existing modified bitumen roofs (all excluding 2009 addition).	2.1	CA-DP	RFR	$132,780.00
	B2	Replace existing built up roofs.	2.1	CA-DP	RFR	$4,275,000.00
	B3	Provide miscellaneous repairs at walls.	2.1	CA-DP	WRE	$18,000.00
	B4	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA-DP	WS	$57,500.00
	B5	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA-DP	WS	$86,250.00
	B6	Replace existing R panel roofs.	3	CA-DP	RFR	$466,320.00
	B7	Replace existing standing seam metal roofs.	3	CA-DP	RFR	$45,024.00
	B8	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$46,000.00
ARCHITECTURAL						$27,992,029.80
	A1	New Third Gym (Competition) Addition.	MP	CA-DP	ADD_MP	$7,509,239.00
	A2	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$1,400,700.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2007/08 (REMODEL) scheduled for 2017/18).	1	DRS	PTG	$862,500.00
	A4	Replace existing exterior door hardware throughout (currently Falcon hardware that District can no longer get parts for).	1	CA-DP	REN	$187,500.00
	A5	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$17,100.00
	A6	Renovate boys' and girls' Locker Rooms.	2.1	CA-DP	ADD	$1,650,000.00
	A7	(Stairs) - Remove vinyl wall covering and replace with hard wainscot. (Need to harden these walls; vinyl wall covering at all stairs are a big problem; VWC at stair base overhangs and has bad seams.)	2.1	PQI	INT	$828,000.00
	A8	(Mezzanine) - Remove lockers (not used).	2.1	CA-DP	LOC	$8,625.00
	A9	(Football Locker Room) - Replace lockers (lockers have functional issues and are easy to break into).	2.1	CA-DP	LOC	$18,975.00
	A10	(Special Education) - Renovate Special Education area to match layout at Summer Creek HS (life skills, applied skills, adaptive behavior).	2.1	CA-DP	REN	$625,000.00
	A11	(Natatorium) - Replace Pres Box entrance stairs (inadequate width per code and railing is rusting).	2.1	CA-DP	REN	$81,250.00
	A12	(Gym) - Entrance to Gym for games has security issues. Hard to find way to Gym and then too many entries and exits to control. Add overhead coiling doors to control traffic flow while meeting exiting requirements. This line item is not required if the new competition gym is approved.	2.1	PQI	SEC	$57,600.00
	A13	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$144,900.00
	A14	(Wood Shop) - There is currently not a covered walk from Woodshop to Main Building. Add 400 SF of canopy.	2.2	CA-DP	CNPY	$24,150.00
	A15	(Art) - Replace kiln, new kiln to have remote control and notification capability.	2.2	CA-DP	MEQ	$5,750.00
	A16	(Band) - Add a three tiered band tower at band practice area.	2.2	CA-DP	MEQ	$46,000.00
	A17	(Wood Shop) - Restroom Addition. There is not a bathroom in the Woodshop (students currently use the one in the Auto Shop).	2.2	CA-DP	REN	$31,250.00

HUMBLE HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A18	(CTE - Aerospace Classroom) - Renovate and existing Biology or Chemistry classroom to become a classroom for the Aerospace program. Aerospace classroom to have a "clean" side and a shop side.	2.2	CA-DP	REN	$300,000.00
	A19	Add pan liners to showers.	2.2	CA-DP	SWR	$138,000.00
	A20	(Principal Office) - No sound control, conversations can be overheard in other administration rooms.	3	PQI	ACO	$88,000.00
	A21	(Fine Arts Music) - Add a large Ensemble room for Music large group instruction.	3	CA-DP	ADD	$350,000.00
	A22	(Fine Arts Music) - Addition and renovation to bring orchestra and music support spaces up to District standard size (and increase size based on current and projected size of the music programs).	3	CA-DP	ADD	$1,400,000.00
	A23	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$204,125.00
	A24	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$2,101,050.00
	A25	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2007/08 scheduled for 2022/23).	3	DRS	FLR	$966,000.00
	A26	(Auto Shop) - Replace existing Automotive equipment and add equipment as required to meet program needs.	3	CA-DP	MEQ	$86,250.00
	A27	(Natatorium) - Repaint bleachers.	3	CA-DP	REN	$6,250.00
	A28	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$89,062.50
	A29	(Site) - Need to renovate way finding, current way finding signage on the site is not adequate.	3	PQI	SGN	$11,000.00
	A30	(Greenhouse) - Replace existing Greenhouse with new. New greenhouse to be 25% smaller than existing.	4	CA-DP	ADD	$156,250.00
	A31	(Administration) - Renovate entire Administration area.	4	PQI	ADD	$525,000.00
	A32	(Natatorium) - Discolored tiles on pool deck.	4	CA-DP	AE	$3,450.00
	A33	(Auditorium) - Replace Auditorium and black box control booth windows with operable windows.	4	CA-DP	AV	$9,200.00
	A34	Replace existing ceiling throughout as part of Ceiling Replacement Project.	4	CA-DP	CLG	$1,331,140.80
	A35	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$3,335,000.00
	A36	Replace all marker boards campus-wide.	4	CA	MBTB	$189,750.00
	A37	(Band Room) - Add elevator. Currently there is no elevator to access upstairs practice rooms.	4	CA-DP	REN	$187,500.00
	A38	(Office Restroom) - Add lights to showers and upgrade to meet accessibility requirements.	4	CA-DP	SWR	$42,000.00
	A39	(Locker Room 1501- Physical Education) - Upgrade Locker Room to meet accessibility standards.	4	CA-DP	SWR	$105,000.00
	A40	(Natatorium) - Concession Window is too high and does not meet ADA standards.	4	CA-DP	WDW	$8,625.00
	A41	(Cafeteria) - Replace tile base (tile wall base at perimeter is broken and wall tile is uneven).	NA	CA-DP	FLR	$9,487.50
	A42	(Cafeteria) - Tile column corners are busted; replace with corner guards.	NA	CA-DP	INT	$17,250.00
	A43	(Cafeteria) - Renovation to make the Cafeteria a place students want to be (add features such as standing height bars, fixed group seating, and flexible seating, and spatial elements).	NA	CA-DP	REN	$937,500.00

HUMBLE HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A44	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	NA	CA-DP	REN	$1,875,000.00
	A45	(Library) - Replace Book Theft System (currently does not work).	NA	CA-DP	SEC	$21,600.00
MECHANICAL						$8,666,394.00
	M1	(Weight Room and Training Room) - The HVAC system does not work, the room has no circulation. Moisture is a problem new weights are rusting and floor is slick. It is unsafe because the equipment slides.	1	CA-DP	HVAC	$96,000.00
	M2	Replace underground chilled water supply and return lines between Central Plant and Cafeteria.	1	CA-DP	HVAC	$210,000.00
	M3	Replace pool HVAC units (currently heating only).	1	CA-DP	HVAC	$960,000.00
	M4	Provide ventilation to two indoor lift stations.	1	CA-DP	HVAC	$33,000.00
	M5	(3/3) Replace York chiller in Central Plant (installed in 1995, replace in 2015).	2.1	DRS	HVAC	$324,000.00
	M6	Remove pneumatic controls compressor in central plant (no longer used).	2.1	CA-DP	HVAC	$4,200.00
	M7	Replace swamp cooler in Greenhouse.	2.1	CA-DP	HVAC	$33,600.00
	M8	Provide heat in Gym 2200.	2.1	CA-DP	HVAC	$93,600.00
	M9	Interlock existing exhaust fans with air handling units.	2.1	CA-DP	HVAC	$102,000.00
	M10	Replace RTUs above 2700 Wing, except for one.	2.1	CA-DP	HVAC	$129,600.00
	M11	Upgrade ventilation at selected restrooms/lockers rooms.	2.1	CA-DP	HVAC	$150,000.00
	M12	Replace AHUs in Athletics, Fine Arts, and Cafeteria portion of building.	2.1	CA-DP	HVAC	$510,000.00
	M13	Replace hydronic piping and insulation in Athletics, Gym, Auditorium, Cafeteria area.	2.1	CA-DP	HVAC	$720,000.00
	M14	Replace selected air handling units and boxes (Athletics, Gym, Auditorium, Cafeteria area). Remove electric sub-meters (no longer used)	2.1	CA-DP	HVAC	$1,440,000.00
	M15	Selected chilled and heating water insulation replacement.	2.1	CA-DP	MECH	$586,494.00
	M16	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$283,200.00
	M17	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$744,000.00
	M18	Provide DX cooling in Administration area (add coil).	2.2	CA	MECH	$54,000.00
	M19	Replace Marley cooling tower at Central Plant (installed in 2004, replace in 2024).	3	DRS	CT	$699,200.00
	M20	(Greenhouse) - Adding an awning at the intake for coils would help the temperature control.	3	CA-DP	HVAC	$9,000.00
	M21	(2/3) Replace York chiller in Central Plant (installed in 2004, replace in 2024).	3	DRS	HVAC	$360,000.00
	M22	(1/7) Replace Rite boiler in Central Plant (installed in 2004, replace in 2024).	3	DRS	HVAC	$468,000.00
	M23	(2/7) Replace Ajax boiler in Central Plant (installed in 2008, replace in 2028).	4	DRS	HVAC	$144,000.00
	M24	(1/1) Replace York chiller in 2400 Wing (installed in 2007, replace in 2027).	4	DRS	HVAC	$432,000.00
	M25	(CTE) Air Compressors: Replace compressed air system at CTE areas (install the same standardized system at each high school campus).	4	CA-DP	MEQ	$80,500.00
ELECTRICAL						$6,546,555.00
	E1	Provide additional branch circuits and receptacles in selected areas.	2.1	PQI	ED	$126,000.00
	E2	Remove capacitor bank at outdoor Central Plant.	2.1	CA-DP	ELE	$3,000.00
	E3	Replace under water pool lights with low voltage LEDs. Coordinate with Re-plastering.	2.1	CA-DP	LTG	$43,800.00
	E4	Replace 75% of electrical distribution equipment (no longer manufactured).	2.2	CA-DP	ED	$3,552,000.00

HUMBLE HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	E5	Provide new theatrical lighting system in performance Auditorium and black box.	2.2	CA	LTG	$720,000.00
	E6	(Library) - Need charging stations at tables.	3	CA-DP	ED	$66,000.00
	E7	(Band Hall and Orchestra) - Add data outlets (2 outlets added to each room).	3	CA-DP	ELE	$720.00
	E8	(Band Hall and Orchestra) - Add electrical outlets (8 outlets added to each room).	3	CA-DP	ELE	$18,000.00
	E9	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E10	Provide LED house lighting in Auditorium.	3	CA-DP	LTG	$360,000.00
	E11	Upgrade interior lighting to LED.	3	CA-DP	LTG	$1,466,235.00
	E12	Provide LED building exterior lighting.	3	CA-DP	SL	$75,600.00
	E13	Provide LED parking lot lighting.	3	CA-DP	SL	$55,200.00
PLUMBING						$1,517,700.00
	P1	(5/7) Replace PVI boiler at Pool showers (installed in 1987, replace in 2007).	1	DRS	PLB	$57,600.00
	P2	Provide trap guards in Locker Rooms adjacent to Natatorium.	2.1	CA-DP	PLB	$3,300.00
	P3	Replace mixing valves near Gym.	2.1	CA-DP	PLB	$16,500.00
	P4	Replace shower pedestals and plumbing fixtures (sinks, water closets, urinals) in older section of school (1300, 1400, 1600). Coordinate with architectural upgrade.	2.1	CA-DP	PLB	$432,000.00
	P5	(7/7) Replace Sellers boiler at 2700 Wing (installed in 1998, replace in 2018 - 2023).	2.2	DRS	PLB	$144,000.00
	P6	Remove cylindrical wash fountains and replace with lavatories.	3	CA-DP	FXT	$124,200.00
	P7	(Auto Shop) - Need a foot pedal activated basin sink, the current sink is not efficient.	3	CA-DP	FXT	$13,800.00
	P8	(Natatorium) - Swimsuit extractor need to be connected to drains both boys' and girls' Locker Rooms).	3	CA-DP	MEQ	$20,700.00
	P9	Replace remaining galvanized domestic water piping (1612 block and 2212 block).	3	CA-DP	PLB	$600,000.00
	P10	(6/7) Replace Pennant Laars boiler at Pool (installed in 2013, replace in 2023).	3	DRS	PLB	$48,000.00
	P11	(4/7) Replace Sellers boiler at Cosmetology/Gym 2 (installed in 2008, replace in 2028).	4	DRS	PLB	$57,600.00
TECHNOLOGY						$4,741,720.25
	T1	Provide new local sound in Cafeteria/Gyms.	2.1	CA	AV	$163,875.00
	T2	Provide new audio and video system in performance Auditorium and Black Box.	2.1	CA	AV	$575,000.00
	T3	(Room 330) - Need a projector in room 330 but there is no ceiling mount.	2.1	CA-DP	PA	$8,050.00
	T4	Local sound upgrade in Natatorium.	2.1	CA-DP	SR	$66,125.00
	T5	Wireless access upgrade, spotty throughout campus.	2.1	CA-DP	TECH	$230,000.00
	T6	Provide new classroom projection equipment.	3	CA	AV	$1,092,500.00
	T7	Provide new technology cabling.	3	CA	TECH	$843,085.13
	T8	Upgrade Network equipment.	3	CA	TECH	$920,000.00
	T9	Provide new clock system.	4	CA	CLK	$843,085.13
FIRE & LIFE SAFETY						$4,038,229.63
	FL1	(Campus - wide) - Exterior doors do not lock properly. There have been issues where someone can pull hard on the door and pop it open.	1	PQI	DR	$86,250.00
	FL2	(2/2) Replace Olympian emergency generator (installed in 2000, replace in 2015).	1	DRS	EG	$172,500.00

HUMBLE HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	FL3	(Campus - wide) - Having issues securing exterior doors to activate alarm.	2.1	PQI	DR	$10,062.50
	FL4	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL5	Provide new intercom system. Principal comments: PA system has issues. No Access to system from office phone. No zoning for announcements or bell.	2.1	PQI	PA	$843,085.13
	FL6	(1/2) Replace Generac emergency generator (installed in 2007, replace in 2022).	3	DRS	EG	$115,000.00
	FL7	Provide new security camera system. (need more cameras per Principal)	3	CA	SCM	$1,006,250.00
	FL8	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$1,759,482.00
SECURITY						$281,028.38
	S1	Provide new intrusion detection system.	3	CA	SIA	$281,028.38
SPORTS						$3,877,788.75
	SP1	(Field Events) - Water draining toward the Pole Vault runway has started to erode underneath the runway in spots; need to improve drainage in this area to prevent further issues.	2.1	CA-DP	AE	$17,250.00
	SP2	(Softball) - Provide new backstop wall and 40' netting system.	2.1	CA-DP	AF	$55,573.75
	SP3	(Baseball) - Provide visitor double bullpen.	2.1	CA-DP	AF	$57,500.00
	SP4	(Softball) - Regrade infield to eliminate the lip around the infield. This line item not required if turf line item is approved.	2.1	CA-DP	AF	$60,375.00
	SP5	(Baseball) - Provide new home double bullpen; existing bullpens are in foul territory, rotated at an angle and unprotected.	2.1	CA-DP	AF	$74,750.00
	SP6	(Baseball) - Regrade and resod outfield to help with ponding water along outfield wall and mow strip. This line item not required if turf line item is approved.	2.1	CA-DP	AF	$264,500.00
	SP7	(Baseball) - Provide new concession building with restrooms.	2.1	CA-DP	AF	$644,000.00
	SP8	(Softball) - Provide new backstop padding from dugout to dugout.	2.1	CA-DP	AF	$3,910.00
	SP9	(Softball) - Provide new netting system at hitting cage (Note: concrete slab at hitting cage looked to be in good condition).	2.1	CA-DP	AF	$34,500.00
	SP10	(Softball) - Renovate press box; mainly flooring; condition is decent and better than the baseball press box	2.1	CA-DP	AF	$28,750.00
	SP11	(Baseball) - Provide concrete pad for equipment storage at end of visitor dugout and enclose with chain-link fence.	2.1	CA-DP	AF	$5,750.00
	SP12	(Baseball) - Press box renovation.	2.1	CA-DP	AF	$34,500.00
	SP13	(Softball) - Provide new bleachers.	2.1	CA-DP	AF	$241,500.00
	SP14	(Baseball) - Add drainage behind visitor dugout between the dugout and covered hitting cages.	2.1	CA-DP	AF	$17,250.00
	SP15	(Softball) - Add drainage in foul territory along the infield. This line item not required if turf line item is approved.	2.1	CA-DP	AF	$23,000.00
	SP16	Add drainage to address the slope and concrete culvert on the north edge of the Practice Field by Softball.	2.1	CA-DP	AF	$46,000.00
	SP17	(Baseball) - Regrade infield to eliminate lip around entire infield. This line item not required if turf line item is approved.	2.1	CA-DP	AF	$120,750.00
	SP18	(Softball) - Provide new concession and restroom building with storage.	2.1	CA-DP	AF	$644,000.00
	SP19	(Softball) - Extend backstop fence to dugouts.	2.1	CA-DP	AF	$2,875.00
	SP20	(Baseball) - Provide field dirt material storage (3 bins).	2.1	CA-DP	AF	$5,750.00
	SP21	(Baseball) - Fix the ponding water outside of this gate at the home dugout.	2.1	CA-DP	AF	$11,500.00
	SP22	(Softball) - Add ADA compliant access to concession building.	2.1	CA-DP	AF	$2,875.00

HUMBLE HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP23	(Baseball) - Improve drainage at the front of the home dugout; water ponds and damages the grass.	2.1	CA-DP	AF	$28,750.00
	SP24	(Baseball) - Renovate the visitor dugout with new racks, storage bins, benches and water fountain.	2.1	CA-DP	AF	$34,500.00
	SP25	(Tennis Courts) - Add tennis court lights.	2.1	DRS	TC	$270,250.00
	SP26	Pave bleacher areas; bleachers are currently in the grass.	2.1	CA-DP	TC	$17,250.00
	SP27	Replace chain-link fence with a new 10' galvanized chain-link fence with windscreen.	2.1	CA-DP	TC	$53,043.75
	SP28	Improve drainage at the northeast corner of the courts just outside the court fence.	2.1	CA-DP	TC	$9,200.00
	SP29	Provide new sports lighting system at Baseball and Softball field.	2.2	CA-DP	SL	$540,000.00
	SP30	(Baseball) - Replace the gate at the home dugout that doesn't swing open freely.	3	CA-DP	AF	$2,300.00
	SP31	(Softball) - New tarp storage pad.	3	CA-DP	AF	$5,750.00
	SP32	(Baseball) - Pour new concrete mow strip.	3	CA-DP	AF	$9,200.00
	SP33	(Baseball) - Provide new backstop wall.	3	CA-DP	AF	$39,186.25
	SP34	(Natatorium) - The diving board and blocks are old.	3	CA-DP	MEQ	$74,750.00
	SP35	(Baseball) - Provide new bleachers.	3	CA-DP	AF	$230,000.00
	SP36	(Baseball) - Provide new nylon synthetic turf in the dugouts.	4	CA-DP	AF	$28,750.00
	SP37	Provide new bleacher awnings to replace the existing wooden shade structures.	4	CA-DP	TC	$23,000.00
	SP38	(Softball) - Provide new CMU block dugouts with standing seam roof.	4	CA-DP	AF	$115,000.00
NUTRITION SERVICES						$1,516,406.25
	NS1	Incorporate VFDs into exhaust hoods.	2.1	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.1	CA-DP	REN	$87,500.00
	NS3	Renovate and Expand to add 3 additional Serving Lines add 2 POS at Snack Bar and increase Dry Storage.	2.1	CA-DP	REN	$1,371,406.25

HUMBLE HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST

CODE	PRIORITY	TOTAL
MP	Major Projects: Items that have been planned or have already been designated as Major Projects.	$7,509,239.00
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$4,083,150.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$18,970,030.38
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$6,582,350.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$14,922,786.25
4	Future Consideration - (Life Expectancy: 10 + years)	$9,376,332.93
		$61,443,888.55

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$2,860,837.50

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 final scope of work will be included.

KINGWOOD HIGH SCHOOL

Kingwood
High School
Knowledge Honor Success



Aerial Site Plan



2701 Kingwood Drive
Kingwood, Texas 77339

ORIGINAL BUILDING COMPLETED: 1979
BUILDING AREA: 523,967
SITE ACREAGE: 46.11
BUILDING CAPACITY: 2,800
CURRENT ENROLLMENT: 2,661
ENROLLMENT AS OF: 2016-2017

KINGWOOD HIGH SCHOOL

Front Door



Existing Site Plan



KINGWOOD HIGH SCHOOL

Proposed Work Items

Print Date: 11/13/2017

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Priority	Total Cost
Priority - MP	***$8,103,989.00***
Priority - 1	***$3,179,100.00***
Priority - 2.1	***$7,524,578.20***
Priority - 2.2	***$2,223,600.00***
Priority - 3	***$31,248,415.90***
Priority - 4	***$14,842,210.15***
Priority Totals	***$67,121,893.25***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$7,200,000.00	$18,000.00	$7,218,000.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$399,605.00	$4,275,000.00	$4,674,605.00
Architectural	$8,103,989.00	$1,555,000.00	$1,604,900.00	$1,261,800.00	$9,237,045.00	$3,644,105.30	$25,406,839.30
Mechanical	$0.00	$0.00	$3,141,283.20	$45,000.00	$389,400.00	$2,196,600.00	$5,772,283.20
Electrical	$0.00	$0.00	$222,000.00	$916,800.00	$3,414,541.80	$0.00	$4,553,341.80
Plumbing	$0.00	$0.00	$0.00	$0.00	$2,777,250.00	$312,000.00	$3,089,250.00
Technology	$0.00	$0.00	$1,214,400.00	$0.00	$2,743,843.08	$1,807,686.15	$5,765,929.23
Fire & Life Safety	$0.00	$956,250.00	$45,600.00	$0.00	$181,700.00	$1,938,031.20	$3,121,581.20
Security	$0.00	$0.00	$0.00	$0.00	$301,281.03	$0.00	$301,281.03
Sports	$0.00	$667,850.00	$1,233,145.00	$0.00	$3,277,500.00	$569,537.50	$5,748,032.50
Nutrition Services	$0.00	$0.00	$63,250.00	$0.00	$1,326,250.00	$81,250.00	$1,470,750.00
Priority Totals	$8,103,989.00	$3,179,100.00	$7,524,578.20	$2,223,600.00	$31,248,415.90	$14,842,210.15	$67,121,893.25

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 final scope of work will be included.

KINGWOOD HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						$7,218,000.00
	C1	Remove and replace paving at CTE.	3	CA	SPM	$900,000.00
	C2	Remove and replace HMAC parking lot pavement.	3	CA	SPM	$6,300,000.00
	C3	Remove and replace sidewalk ramp.	4	CA	SPM	$18,000.00
BUILDING ENVELOPE						$4,674,605.00
	B1	Replace existing built up roofs.	3	CA-DP	RFR	$255,855.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA-DP	WS	$57,500.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA-DP	WS	$86,250.00
	B4	Replace existing roof (Last replacement 2007, scheduled replacement 2027).	4	DRS	RFR	$4,275,000.00
ARCHITECTURAL						$25,406,839.30
	A1	New Third Gym (Competition) Addition.	MP	CA-DP	ADD_MP	$8,103,989.00
	A2	(Campus wide) - Replace existing Falcon locks, as part of Campus Replacement Project. There are no replacement part/ability - Jim Wood	1	CA-DP	LOC	$833,750.00
	A2.2	Deduct for Hurricane Harvey restoration project.	1	CA-DP	LOC	($546,250.00)
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2007/08 scheduled for 2017/18).	1	DRS	PTG	$862,500.00
	A3.2	Deduct for Hurricane Harvey restoration project.	1	CA-DP	PTG	($345,000.00)
	A4	(Auditorium) - Renovate entry to Auditorium and main corridor/entry area.	1	CA-DP	REN	$750,000.00
	A5	Add a new concession building adjacent to the girls' softball field. New building will include new concession space, restrooms, and storage space.	2.1	CA-DP	ADD	$700,000.00
	A6	(Boys' Locker Room) - Add durable wainscot to corridor walls.	2.1	CA-DP	LOC	$13,800.00
	A7	(Special Education) - Renovate Special Education area to match layout at Summer Creek HS (life skills, applied skills, and adaptive behavior).	2.1	CA-DP	REN	$625,000.00
	A8	(Girls' Locker Room - Natatorium) - Reconfigure entry to eliminate sight lines into Locker Room from pool deck.	2.1	CA-DP	REN - POOL	$31,250.00
	A9	(Main Entry) - Re-tile exterior of Main Entry.	2.1	CA-DP	REN	$75,000.00
	A10	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$211,600.00
	A10.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	TP	($51,750.00)
	A11	(Practice Room) - Replace sound doors (Current 3200 Series Doors Bleed Sound).	2.2	CA-DP	DR	$46,000.00
	A11.2	Deduct for Hurricane Harvey restoration project.	2.2	CA-DP	DR	($46,000.00)
	A12	(Art) - Add remote control and notification to the existing kiln.	2.2	CA-DP	MEQ	$2,300.00
	A13	(CTE - Aerospace Classroom) - Renovate and existing Biology or Chemistry classroom to become a classroom for the Aerospace program. Aerospace classroom to have a "clean" side and a shop side.	2.2	CA-DP	REN	$300,000.00
	A14	(Cafeteria) - Renovation to make the Cafeteria a place students want to be (add features such as standing height bars, fixed group seating, and flexible seating, and spatial elements).	2.2	CA-DP	REN	$937,500.00
	A15	(Site) - Add way finding signage.	2.2	PQI	SGN	$22,000.00
	A16	(Greenhouse) - Add a Greenhouse for CTE programs.	3	CA-DP	ADD	$125,000.00
	A17	(Fine Arts Music) - Add a large Ensemble room for Music large group instruction.	3	CA-DP	ADD	$350,000.00

KINGWOOD HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A18	(CTE Classroom Mock Up) - Add a classroom to be a mock up of a District standard pre-k/kindergarten classroom for the CTE teaching program.	3	CA-DP	ADD	$437,500.00
	A19	(Fine Arts Music) - Addition and renovation to bring Orchestra and Music support spaces up to District standard size (and increase size based on current and projected size of the music programs).	3	CA-DP	ADD	$1,750,000.00
	A20	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$3,335,000.00
	A20.2	Deduct for Hurricane Harvey restoration project.	3	CA-DP	CWK	($1,725,000.00)
	A21	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2007/08 scheduled for 2022/23).	3	DRS	FLR	$966,000.00
	A21.2	Deduct for Hurricane Harvey restoration project.	3	CA-DP	FLR	($690,000.00)
	A22	(Art) - Replace kiln, new kiln to have remote control and notification capability.	3	CA-DP	MEQ	$5,750.00
	A23	(Auto Shop) - Replace existing automotive equipment and add equipment as required to meet program needs.	3	CA-DP	MEQ	$86,250.00
	A24	Renovate existing Computer Labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$140,625.00
	A25	(Special Education - Speech) - Renovate existing Speech rooms to meet program requirements.	3	CA-DP	REN	$156,250.00
	A26	(CTE - Health Science Room) - Renovate Health Science room to create a larger classroom to contain a hospital bed room mock up.	3	CA-DP	REN	$168,750.00
	A27	(Library) - Renovate into Cafeteria space to create "Bistro" type design. Replace (2) rows of shelving with counter and bar stools used for lunch. Need lunch counter area back at corridor with windows.	3	CA-DP	REN	$325,000.00
	A28	(Corridor/Open Space Behind Gymnasia) - Renovation to create new collaborative spaces at areas adjacent to corridor including expansion of second floor.	3	CA-DP	REN	$1,250,000.00
	A29	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$2,500,000.00
	A30	(Dance Locker Room) - Add a shower.	3	CA-DP	SWR	$22,800.00
	A31	(Auxiliary Gym and Corridor) - Add durable wainscot to Auxiliary Gym area corridor walls.	3	CA-DP	WRI	$33,120.00
	A32	(Uniform Storage and Practice Rooms) - Only accessible by stairs.	4	CA-DP	ADD	$187,500.00
	A33	(Auditorium) - Replace Auditorium and black box control booth windows with operable windows.	4	CA-DP	AV	$9,200.00
	A34	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$1,200,042.80
	A35	(Athletics) - The doors at the Athletic wing need to be replaced.	4	PQI	DR	$253,000.00
	A36	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$101,200.00
	A37	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$158,125.00
	A38	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$878,025.00
	A39	(Art Room - 2808) - Provide ADA sink (currently does not have one).	4	CA-DP	FXT	$8,050.00
	A40	(Locker Rooms) - Upgrade to meet accessibility standards.	4	CA-DP	LOC	$9,487.50
	A41	(Room 1413 - Coaches Dressing Room) - Upgrade to meet accessibility standards.	4	CA-DP	LOC	$11,500.00
	A42	(Boys' Locker Rooms and Showers) - Create separate showers (do not meet ADA Standards; currently has shower tree).	4	CA-DP	LOC	$21,850.00

KINGWOOD HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A43	(Natatorium - Boys' Locker Room) - Upgrade to meet accessibility standards.	4	CA-DP	LOC - POOL	$109,250.00
	A44	Replace all marker boards campus-wide.	4	CA	MBTB	$201,250.00
	A45	(Principal's Office) - Convert a Storage Room adjacent to the principal's office to a restroom.	4	CA-DP	REN	$15,625.00
	A46	(Site) - Provide additional parking; current site parking is not adequate in size.	4	PQI	SPN	$480,000.00
MECHANICAL						$5,772,283.20
	M1	(1/3) Replace Evapco cooling tower fill (installed in 2007, replace fill in 2014)	1	DRS	CT	$51,750.00
	M1.2	Deduct for Hurricane Harvey restoration project.	1	CA-DP	CT	($51,750.00)
	M2	(2/3 & 3/3) Replace (2) Trane chillers (installed in 1995, replace in 2015). Remove chilled water storage tank.	1	DRS	HVAC	$576,000.00
	M2.2	Deduct for Hurricane Harvey restoration project.	1	CA-DP	HVAC	($576,000.00)
	M3	(2/7 & 3/7) Replace (2) Ajax boilers (installed in 2004, replace in 2024-2029)	1	DRS	HVAC	$576,000.00
	M3.2	Deduct for Hurricane Harvey restoration project.	1	CA-DP	HVAC	($576,000.00)
	M4	Replace 3 outdoor ACCUs at athletics.	2.1	CA-DP	HVAC	$79,200.00
	M5	Replace pool HVAC unit.	2.1	CA-DP	HVAC - POOL	$960,000.00
	M5.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	HVAC	($960,000.00)
	M6	Replace chilled water insulation. Selected heating water insulation. Asbestos concern. Coordinate with ceiling replacement.	2.1	CA-DP	HVAC	$1,257,520.80
	M6.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	HVAC	($600,000.00)
	M7	Replace selected air handling units.	2.1	CA-DP	HVAC	$3,772,562.40
	M7.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	HVAC	($1,440,000.00)
	M8	(6/7 & 7/7) Replace (2) Teledyne Laars boilers (installed in 1999, replace in 2014).	2.1	DRS	HVAC	$72,000.00
	M9	(2/3 & 3/3) Replace 2-cell Evapco cooling tower fill (installed in 2012, replace fill in 2019)	2.2	DRS	CT	$80,500.00
	M9.2	Deduct for Hurricane Harvey restoration project.	2.2	CA-DP	CT	($80,500.00)
	M10	Interlock existing exhaust fans with air handling units.	2.2	CA-DP	HVAC	$102,000.00
	M10.2	Deduct for Hurricane Harvey restoration project.	2.2	CA-DP	HVAC	($102,000.00)
	M11	Replace suspended fan coil units in storage room.	2.2	CA-DP	HVAC	$45,000.00
	M12	Selected MDF/IDF HVAC unit replacement. Especially second floor MDF, ductless mini split struggles to keep space cool. IDF 5 also.	3	CA-DP	HVAC	$335,400.00
	M13	Provide DX cooling in Administration area (add coil).	3	CA-DP	HVAC	$54,000.00
	M14	(1/3) Replace Evapco cooling tower (installed in 2007, replace in 2027 with chiller)	4	DRS	CT	$349,600.00
	M15	(2/3 & 3/3) Replace (2) Evapco cooling towers (installed in 2012, replace in 2032)	4	DRS	CT	$632,500.00
	M16	(1/3) Replace Trane chiller (installed in 2007, replace in 2027)	4	DRS	HVAC	$504,000.00
	M17	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$630,000.00
	M18	(CTE) Air Compressors: Replace compressed air system at CTE areas (install the same standardized system at each high school campus).	4	CA-DP	MEQ	$80,500.00
ELECTRICAL						$4,553,341.80
	E1	Replace main switchboard, provide main breaker.	2.1	CA-DP	ED	$138,000.00
	E1.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	ED	($138,000.00)
	E2	Provide additional receptacles for computers.	2.1	PQI	ED	$222,000.00
	E3	Provide additional receptacles in athletic wing.	2.2	PQI	ED	$111,000.00

KINGWOOD HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	E4	(Main Locker Rooms) - Light fixtures need to be replaced or fixed.	2.2	CA-DP	LTG	$42,000.00
	E5	Replace under water pool lights with low voltage LEDs. Coordinate with re-plastering.	2.2	CA-DP	LTG - POOL	$43,800.00
	E6	Provide new theatrical lighting system in performance Auditorium and Black Box.	2.2	CA	LTG	$720,000.00
	E7	(Library) - Add additional plugs in the back of Library for convenience.	3	CA-DP	ED	$30,000.00
	E8	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E9	(Band Hall and Orchestra) - Add data outlets (2 outlets added to each room).	3	CA-DP	ELE	$720.00
	E10	(Band Hall and Orchestra) - Add electrical outlets (8 outlets added to each room).	3	CA-DP	ELE	$18,000.00
	E11	Upgrade interior lighting to LED.	3	CA-DP	LTG	$1,571,901.00
	E12	Provide LED house lighting in Auditorium.	3	CA-DP	LTG	$360,000.00
	E13	Provide automatic interior lighting control.	3	CA-DP	LTG	$1,257,520.80
	E14	LED parking lot lighting upgrade. Need additional lighting per Principal (front parking area and athletic fields).	3	CA	SL	$116,400.00
PLUMBING						$3,089,250.00
	P1	(Woodshop) - Sink does not work for Woodshop use. Needs basin or a tub type industrial sink.	3	CA-DP	FXT	$8,625.00
	P2	(Woodshop) - Restrooms need an additional sink. Sink needs to be link with other Woodshop sink.	3	CA-DP	FXT	$8,625.00
	P3	Replace galvanized domestic water piping with copper (in older portion of building, pool area).	3	CA-DP	PLB - POOL	$2,760,000.00
	P4	(Boys Locker Room) - Add extractor drain for swimsuit water.	4	CA-DP	PLB	$24,000.00
	P5	(4/7 & 5/7) Replace (2) Sellers boilers (installed in 2007, replace in 2027-2032).	4	DRS	WTRH	$288,000.00
TECHNOLOGY						$5,765,929.23
	T1	Provide new local sound in Cafeteria/Gyms.	2.1	CA	AV	$163,875.00
	T2	Provide new sound system at athletic/play fields.	2.1	CA	AV	$179,400.00
	T3	Provide new audio and video system in performance Auditorium and Black Box.	2.1	CA	AV	$575,000.00
	T4	Local sound upgrade in Natatorium. Staff comment: New Sound System for Natatorium (No Sound, a total of 2 speakers work).	2.1	CA-DP	SR - POOL	$66,125.00
	T5	Wireless access upgrade.	2.1	CA-DP	TECH	$230,000.00
	T6	Provide new classroom projection equipment.	3	CA	AV	$1,092,500.00
	T7	Provide new technology cabling.	3	CA	TECH	$903,843.08
	T7.2	Deduct for Hurricane Harvey restoration project.	3	CA-DP	TECH	($172,500.00)
	T8	Upgrade network equipment.	3	CA	TECH	$920,000.00
	T9	Provide new clock system.	4	CA	CLK	$903,843.08
	T10	Provide new intercom system. Principal comment: there are areas where the system does not work.	4	CA	PA	$903,843.08
FIRE & LIFE SAFETY						$3,121,581.20
	FL1	Provide new security camera system. High priority per Jack Bayes.	1	CA	SCM	$1,006,250.00
	FL1.2	Deduct for Hurricane Harvey restoration project.	1	CA-DP	SCM	($230,000.00)
	FL2	(Lobby) - Access Control at Vestibule with no security, Lobby open to Corridors.	1	CA-DP	SEC	$180,000.00
	FL3	(1/3) Replace Generac emergency generator (installed in 2004, replace in 2019).	2.1	DRS	EG	$115,000.00

KINGWOOD HIGH SCHOOL

Proposed Work Items

Print Date: 11/13/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	FL3.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	EG	($115,000.00)
	FL4	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL5	(2/3) Replace Generac emergency generator (installed in 2008, replace in 2023).	3	DRS	EG	$172,500.00
	FL6	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$9,200.00
	FL7	(3/3) Replace Generac emergency generator at the lift (installed in 2014, replace in 2029).	4	DRS	EG	$51,750.00
	FL8	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$1,886,281.20
SECURITY						$301,281.03
	S1	Provide new intrusion detection system.	3	CA	SIA	$301,281.03
SPORTS						$5,748,032.50
	SP1	(Track and Field) - Bleacher ramp replacement; not to code, bleachers not accessible.	1	CA-DP	AT	$10,350.00
	SP2	(Track and Field) - Chain-link on bleacher railing to meet code (4" sphere or larger not to pass rail/fencing).	1	CA-DP	AT	$11,500.00
	SP3	(Track and Field) - Backfill to track curb, urgent for safety. Not required if turf is approved.	1	CA-DP	AT	$17,250.00
	SP4	Upgrade sports lighting at Football and Baseball fields.	1	CA-DP	SL	$600,000.00
	SP5	(Tennis Courts) - Tennis handicap parking has no access to courts.	1	CA-DP	TC	$28,750.00
	SP6	(Natatorium) - Add diving blocks to pool.	2.1	CA-DP	AE - POOL	$36,800.00
	SP7	(Natatorium) - Add timing boards.	2.1	CA-DP	AE - POOL	$69,000.00
	SP8	(Softball) - Add 8' chain link fence in front of dugouts for safety. This line item not required if line item for new dugouts is approved.	2.1	CA-DP	AF	$4,600.00
	SP9	(Softball) - Add concrete around home bleachers for full accessibility.	2.1	CA-DP	AF	$4,830.00
	SP10	(Baseball) - Renovate existing press box.	2.1	CA-DP	AF	$34,500.00
	SP11	(Baseball) - Provide field dirt material storage (3 bins).	2.1	CA-DP	AF	$5,750.00
	SP12	(Practice Fields) - Netting behind goal posts.	2.1	CA-DP	AF	$33,120.00
	SP13	(Softball) - Provide new 40' tension netting system. Existing block wall to remain.	2.1	CA-DP	AF	$55,200.00
	SP14	(Practice Fields) - Subdrain system to take place of existing swales.	2.1	CA-DP	AF	$109,250.00
	SP15	(Practice Fields) - Remove existing storage building and replace with new 500 SF storage building.	2.1	CA-DP	AF	$143,750.00
	SP16	(Practice Fields) - Outfall at main drainage to be repaired.	2.1	CA-DP	AF	$9,200.00
	SP17	(Baseball) - Sidewalk repair south of press box.	2.1	CA-DP	AF	$3,220.00
	SP18	(Track and Field) - Press box not code accessible; entire replacement optional to add sound, data, irrigation control, etc.	2.1	CA-DP	AT	$115,000.00
	SP19	(Track and Field) - Pavement near bleachers cracked in some areas.	2.1	CA-DP	AT	$9,200.00
	SP20	(Track and Field) - Long/triple jump runway cracks - replace runways.	2.1	CA-DP	AT	$23,000.00
	SP21	(Track and Field) - Relocate pole vault outside of track.	2.1	CA-DP	AT	$34,500.00
	SP22	(Track and Field) - Drainage issues inside track to be addressed.	2.1	CA-DP	AT	$57,500.00
	SP23	(Track Entrance) - Ticket booth sufficient, can be replaced as master plan.	2.1	CA-DP	AT	$132,250.00
	SP24	(Track Entrance) - Additional concrete pavement to be added for vehicle access at future 12' double gate.	2.1	CA-DP	AT	$8,050.00
	SP25	(Track and Field) - Existing roll gate to be replaced with 4' swing gate; 12' wide double gate to be added to northwest side of ticket booth.	2.1	CA-DP	AT	$8,625.00

KINGWOOD HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP26	(Tennis Courts) - Add tennis court lights.	2.1	DRS	TC	$270,250.00
	SP27	(Tennis Courts) - New exterior 12' fencing.	2.1	CA-DP	TC	$65,550.00
	SP28	(Baseball-KHS) - Convert existing field to synthetic turf.	3	CA-DP	AE	$1,495,000.00
	SP29	(Softball) - Replace existing chain link outfield fence with new 8'/12' green metal R panel wall to match existing fence height.	3	CA-DP	AF	$100,625.00
	SP30	(Softball-KHS) - Convert existing field to synthetic turf.	3	CA-DP	AF	$690,000.00
	SP31	(Softball) - Add tarp storage pad along fence.	3	CA-DP	AF	$5,750.00
	SP32	(Small Synthetic Soccer Area) - Improve grading in open area between track, soccer, softball, field house.	3	CA-DP	AF	$8,625.00
	SP33	(Baseball) - Drainage improvements to bullpen area.	3	CA-DP	AF	$17,250.00
	SP34	(Softball) - Add visitors bullpen.	3	CA-DP	AF	$40,250.00
	SP35	(Softball) - Home bullpen to be replaced; updated by maintenance in meantime.	3	CA-DP	AF	$57,500.00
	SP36	(Baseball) - Replace existing chain-link outfield fence with new green metal R-panel wall, to match existing heights.	3	CA-DP	AF	$63,250.00
	SP37	(Practice Fields) - New 8' offset, 20' upright gooseneck goal posts.	3	CA-DP	AF	$75,900.00
	SP38	(Baseball) - Demolish and rebuild baseball storage behind press box - 1500 SF.	3	CA-DP	AF	$431,250.00
	SP39	(Track and Field) - Shot put area can be updated with concrete curbs and red dog cinder.	3	CA-DP	AT	$28,750.00
	SP40	(Track and Field) - Existing discus area to be regraded and flatted to be used as secondary warmup area as well.	3	CA-DP	AT	$74,750.00
	SP41	(Track and Field) - Track to be recoated (replaced 5 years ago). Include field events.	3	CA-DP	AT	$161,000.00
	SP42	(Natatorium) - Add additional bleachers.	3	CA-DP	BLC - POOL	$23,000.00
	SP43	(Tennis Courts) - Joints at courts to be resealed.	3	CA-DP	TC	$4,600.00
	SP44	(Softball) - Field regrade to level out uneven foul territories. This line item not required if turf line item is approved.	4	CA-DP	AF	$18,687.50
	SP45	(Softball) - Update softball dugouts to improve sight lines.	4	CA-DP	AF	$86,250.00
	SP46	(Practice Fields) - Fields to be replenished and regraded as needed.	4	CA-DP	AF	$430,100.00
	SP47	(Auxiliary Gym) - Extend safety pads to be continuous on all walls.	4	CA-DP	WRI	$34,500.00
NUTRITION SERVICES						$1,470,750.00
	NS1	Add Ventless Dish machine.	2.1	CA-DP	MEQ	$63,250.00
	NS2	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS3	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00
	NS4	Renovate and Expand to add 2 additional Serving Lines add 2 POS at Snack Bar and increase Dry Storage.	3	CA-DP	REN	$1,181,250.00
	NS5	Increase dry storage.	4	CA-DP	REN	$81,250.00

KINGWOOD HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST

CODE	PRIORITY	TOTAL
MP	Major Projects: Items that have been planned or have already been designated as Major Projects.	$8,103,989.00
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$3,179,100.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$7,524,578.20
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,223,600.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$31,248,415.90
4	Future Consideration - (Life Expectancy: 10 + years)	$14,842,210.15
		$67,121,893.25

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

KINGWOOD PARK HIGH SCHOOL

Kingwood Park
High School
We are K-Park!



Aerial Site Plan



4015 Woodland Hills Drive
Kingwood, Texas 77339

ORIGINAL BUILDING COMPLETED: 1993
BUILDING AREA: 348,324 SF
SITE ACREAGE: 54.54
BUILDING CAPACITY: 1,600
CURRENT ENROLLMENT: 1,830
ENROLLMENT AS OF: 2016-2017

KINGWOOD PARK HIGH SCHOOL

Front Door



Existing Site Plan



KINGWOOD PARK HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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Priority	*Total Cost*
Priority - MP	***$4,700,619.00***
Priority - 1	***$8,653,346.30***
Priority - 2.1	***$13,999,029.40***
Priority - 2.2	***$4,044,516.40***
Priority - 3	***$26,235,393.20***
Priority - 4	***$6,110,438.80***
Priority Totals	***$63,743,343.10***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$57,500.00	$57,500.00	$0.00	$2,250,000.00	$2,365,000.00
Architectural	$4,700,619.00	$876,875.00	$1,555,000.00	$1,363,850.00	$11,631,380.00	$2,068,221.00	$22,195,945.00
Mechanical	$0.00	$7,572,610.80	$5,840,188.80	$782,400.00	$378,000.00	$590,500.00	$15,163,699.60
Electrical	$0.00	$0.00	$1,574,400.00	$504,000.00	$5,046,669.60	$0.00	$7,125,069.60
Plumbing	$0.00	$0.00	$56,550.00	$1,253,966.40	$1,668,000.00	$0.00	$2,978,516.40
Technology	$0.00	$179,400.00	$1,690,483.90	$0.00	$2,613,358.90	$600,858.90	$5,084,101.70
Fire & Life Safety	$0.00	$0.00	$189,350.00	$0.00	$1,412,666.40	$600,858.90	$2,202,875.30
Security	$0.00	$0.00	$72,450.00	$0.00	$574,036.30	$0.00	$646,486.30
Sports	$0.00	$23,000.00	$2,963,106.70	$82,800.00	$2,766,282.00	$0.00	$5,835,188.70
Nutrition Services	$0.00	$1,460.50	$0.00	$0.00	$145,000.00	$0.00	$146,460.50
Priority Totals	$4,700,619.00	$8,653,346.30	$13,999,029.40	$4,044,516.40	$26,235,393.20	$6,110,438.80	**$63,743,343.10**

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 final scope of work will be included.

KINGWOOD PARK HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
BUILDING ENVELOPE						$2,365,000.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA-DP	WS	$57,500.00
	B2	(Outdoor Miscellaneous) - Concession building has issue with water seeping inside. Needs to be investigated.	2.2	CA-DP	AF	$57,500.00
	B3	Replace existing roof at Addition. (Original roof 2007, scheduled replacement 2027),	4	DRS	RFR	$2,250,000.00
ARCHITECTURAL						$22,195,945.00
	A1	New Third Gym (Practice) Addition.	MP	CA-DP	ADD_MP	$4,700,619.00
	A2	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$874,000.00
	A3	(Art Room) - Add accessible sink.	1	CA-DP	FXT	$2,875.00
	A4	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2007 scheduled for 2017).	2.1	DRS	PTG	$862,500.00
	A5	(Room 1203) - Special Education) - Partition to subdivide into (2) classrooms. Classrooms are currently too big for 3-10 students.	2.1	CA-DP	REN	$18,750.00
	A6	(Clinic) - Renovate to mirror reception desk. Door at opposite side is used and hall door is not; back and computer screen is to door.	2.1	CA-DP	REN	$32,500.00
	A7	(Special Education) - Renovate Special Education area to match layout at Summer Creek HS (life skills, applied skills, and adaptive behavior).	2.1	CA-DP	REN	$625,000.00
	A8	(1204) - Add a decompression area that is padded with a window. Ideal size is 8'x8' or 10'x10'. This is considered a high priority.	2.1	CA-DP	REN	$16,250.00
	A9	(Weight Room) - Add Wainscot at gyp. wall and add recesses in floor in weight areas (to replace built up floor areas).	2.2	CA-DP	INT	$74,750.00
	A10	(Band) - Add a three tiered band tower at band practice area.	2.2	CA-DP	MEQ	$46,000.00
	A11	(Art) - Add remote control and notification to the existing kiln.	2.2	CA-DP	MEQ	$2,300.00
	A12	(CTE - Aerospace Classroom) Renovate and existing Biology or Chemistry classroom to become a classroom for the Aerospace program. Aerospace classroom to have a "clean" side and a shop side.	2.2	CA-DP	REN	$300,000.00
	A13	(Cafeteria) - Renovation to make the Cafeteria a place students want to be (add features such as standing height bars, fixed group seating, and flexible seating, and spatial elements).	2.2	CA-DP	REN	$937,500.00
	A14	(Site) - Add directional signage to entrance.	2.2	CA-DP	SGN	$3,300.00
	A15	(Greenhouse) - Add a Greenhouse for CTE programs.	3	CA-DP	ADD	$125,000.00
	A16	(Fine Arts Music) - Add a large ensemble room for Music large group instruction.	3	CA-DP	ADD	$350,000.00
	A17	(Fine Arts Music) - Addition and renovation to bring Orchestra and music support spaces up to District standard size (and increase size based on current and projected size of the music programs).	3	CA-DP	ADD	$1,750,000.00
	A18	(Natatorium) - Replaster (plaster is discolored especially at shallow end).	3	CA-DP	AE	$92,000.00
	A19	(Auditorium) - Replace acoustic panels (acoustic panels in open area are old and discolored).	3	CA-DP	CLG	$121,000.00
	A20	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$3,335,000.00
	A21	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$187,680.00
	A22	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$293,250.00

KINGWOOD PARK HIGH SCHOOL

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A23	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$1,311,000.00
	A24	(Room 2202 - Architecture Lab) - Need tile or concrete floor, not carpet.	3	CA-DP	FLR	$11,500.00
	A25	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2007 scheduled for 2022).	3	DRS	FLR	$966,000.00
	A26	(Art) - Replace kiln, new kiln to have remote control and notification capability.	3	CA-DP	MEQ	$5,750.00
	A27	(Auto Shop) - Replace existing automotive equipment and add equipment as required to meet program needs.	3	CA-DP	MEQ	$86,250.00
	A28	(Competition Gym) - Add awning on exterior at SE door.	3	CA-DP	REN	$5,000.00
	A29	(Natatorium) - Create a new, separate Press Box (Pool press box is only bleacher seating with an aluminum desk currently).	3	CA-DP	REN	$25,000.00
	A30	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$437,500.00
	A31	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$2,250,000.00
	A32	Replace existing toilet partitions throughout as part of Campus Toilet Partition Replacement Project.	3	CA-DP	TP	$279,450.00
	A33	(Auditorium) - Replace Auditorium and black box control booth windows with operable windows.	4	CA-DP	AV	$9,200.00
	A34	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$930,996.00
	A35	(Science Room) - Add accessible and fume hood.	4	CA-DP	FXT	$9,775.00
	A36	(Boys' Locker Room) - Upgrade to meet accessibility standards.	4	CA-DP	FXT	$11,500.00
	A37	(Room 1714H) - Upgrade restroom, showers and Locker Room to meet accessibility standards.	4	CA-DP	FXT	$23,000.00
	A38	Replace all marker boards campus-wide.	4	CA	MBTB	$201,250.00
	A39	(AV and Journalism) - Provide 50'x10' CMU wall to divide rooms in half (currently too big).	4	CA-DP	REN	$7,500.00
	A40	(Computer Lab) - Renovate (5) Computer Labs (E151 through E145) to modify computer station configuration. Current labs are off of Commons and too big. Reconfigure to align students to see screen (reference Summer Creek layout).	4	CA-DP	REN	$875,000.00
MECHANICAL						$15,163,699.60
	M1	Replace 3-cell Marley cooling tower in Central Plant (installed in 1993, replace in 2013).	1	DRS	CT	$817,650.00
	M2	(Controls) Replace pneumatic controls.	1	CA-DP	HVAC	$2,100,000.00
	M3	Upgrade to DDC system in 1993 portion of building (Need to upgrade the whole building).	1	CA-DP	HVAC	$1,462,960.80
	M4	(2/4) Replace Sellers boiler at showers (installed 1992, replace 2012 - 2017).	1	DRS	HVAC	$144,000.00
	M5	(2/3 & 3/3) Replace (2) Trane chillers in Central Plant (installed 1993, replace 2013). Remove chilled water storage tank on site.	1	DRS	HVAC	$648,000.00
	M6	(3/4 & 4/4) Replace (2) Sellers boilers in Central Plant (installed in 1992, replace in 2012-2017).	1	DRS	HVAC	$2,400,000.00
	M7	Replace dust collectors.	2.1	CA-DP	HVAC	$94,800.00
	M8	Upgrade ventilation at selected restrooms/ lockers rooms.	2.1	PQI	HVAC	$150,000.00
	M9	(1/4) Replace Lochinvar boiler at Pool (installed 2007, replace 2017 - 2022).	2.1	DRS	HVAC	$1,140,000.00
	M10	Replace thru-wall HVAC units at press boxes, include local timer for automatic shutoff.	2.1	CA-DP	HVAC	$34,200.00

KINGWOOD PARK HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	M11	Selected chilled and heating water insulation replacement.	2.1	CA-DP	MECH	$417,988.80
	M12	Replace AHUs in 1993 portion of building.	2.1	CA-DP	MECH	$4,003,200.00
	M13	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$692,400.00
	M14	Interlock existing exhaust fans with air handling units.	2.2	CA-DP	HVAC	$90,000.00
	M15	(1/3) Replace York chiller in Central Plant (installed in 2008, replace in 2028).	3	DRS	HVAC	$324,000.00
	M16	Provide DX cooling in Administration area (add coil).	3	CA	HVAC	$54,000.00
	M17	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$510,000.00
	M18	(CTE) Air Compressors: Replace compressed air system at CTE areas (install the same standardized system at each high school campus).	4	CA-DP	MEQ	$80,500.00
ELECTRICAL						$7,125,069.60
	E1	Provide new stage lighting system at cafeteria (from 1993).	2.1	CA-DP	LTG	$74,400.00
	E2	Provide new theatrical lighting system in performance Auditorium/black box.	2.1	CA-DP	LTG	$1,440,000.00
	E3	Outdoor Miscellaneous: Add lighting in maintenance storage areas south of track.	2.1	CA-DP	SL	$60,000.00
	E4	Provide additional receptacles for iPads and laptops.	2.2	PQI	ELE	$144,000.00
	E5	Provide LED house lighting in Auditorium.	2.2	CA-DP	LTG	$360,000.00
	E6	Replace electrical panels in the 1993 portion of the building.	3	CA-DP	ED	$2,668,800.00
	E7	(Band Hall and Orchestra)- Add electrical outlets (8 outlets added to each room).	3	CA-DP	ELE	$18,000.00
	E8	Both Locker Rooms in Natatorium need more electrical. Girls Locker Room need more outlets.	3	CA-DP	ELE	$42,000.00
	E9	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E10	(Band Hall and Orchestra) Add data outlets (2 outlets added to each room).	3	CA-DP	ELE	$720.00
	E11	(Physics Room) - Provide additional electrical outlets.	3	CA-DP	ELE	$10,800.00
	E12	Remove electric metering at AHUs (no longer used).	3	CA-DP	ELE	$15,600.00
	E13	Replace under water pool lights with low voltage LEDs. Coordinate with Re-plastering.	3	CA-DP	LTG	$43,800.00
	E14	Provide automatic control of interior lighting.	3	CA	LTG	$835,977.60
	E15	Upgrade interior lighting to LED.	3	CA-DP	LTG	$1,044,972.00
	E16	LED building exterior lighting.	3	CA-DP	SL	$132,000.00
	E17	LED parking lot lighting upgrade.	3	CA	SL	$174,000.00
PLUMBING						$2,978,516.40
	P1	Add hand lavs at Preparation/Production.	2.1	CA	FXT	$51,750.00
	P2	(Training Room) - Whirlpool drains to floor drain in outside area/curb under partition wall. Replace threshold at opening.	2.1	CA-DP	PLB	$4,800.00
	P3	Replace plumbing fixtures in older portion of building. Coordinate with architectural upgrade.	2.2	CA	PLB	$1,253,966.40
	P4	Replace galvanized domestic water piping in 1993 portion of the building.	3	CA-DP	PLB	$1,668,000.00
TECHNOLOGY						$5,084,101.70
	T1	Provide new sound system at athletic/play fields.	1	CA	AV	$179,400.00
	T2	Provide new local sound in Cafeterias/Gyms. Staff comment: need upgrade in Auxiliary Gym.	2.1	CA	AV	$218,500.00
	T3	Provide new sound system in performance Auditorium and Black Box.	2.1	CA	AV	$575,000.00
	T4	Local sound upgrade in Natatorium.	2.1	CA-DP	SR	$66,125.00

KINGWOOD PARK HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T5	Wireless access upgrade.	2.1	CA-DP	TECH	$230,000.00
	T6	Provide IP telephone system.	2.1	CA-DP	TECH	$600,858.90
	T7	Provide new classroom projection equipment.	3	CA	AV	$1,092,500.00
	T8	Provide new technology cabling.	3	CA	TECH	$600,858.90
	T9	Upgrade network equipment.	3	CA	TECH	$920,000.00
	T10	Provide new clock system.	4	CA	CLK	$600,858.90
FIRE & LIFE SAFETY						$2,202,875.30
	FL1	(1/2) Replace Onan emergency generator in Central Plant (installed in 2006, replace in 2021).	2.1	DRS	EG	$143,750.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	(2/2) Replace Generac emergency generator in Central Plant (installed in 2008, replace in 2023).	3	DRS	EG	$149,500.00
	FL4	Provide new fire alarm system.	3	CA-DP	FA	$1,253,966.40
	FL5	Renew flame retardant substrate on curtain. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$9,200.00
	FL6	Provide new intercom system.	4	CA	PA	$600,858.90
SECURITY						$646,486.30
	S1	Provide new security camera system at kitchen.	2.1	CA-DP	SCM	$72,450.00
	S2	Provide new access control system.	3	CA	SCR	$373,750.00
	S3	Provide new intrusion detection system.	3	CA	SIA	$200,286.30
SPORTS						$5,835,188.70
	SP1	(Softball) - Moisture issues in the press box. Need to refurbish and address moisture.	1	CA-DP	AF	$23,000.00
	SP2	(Track and Field) - Provide (2) new shot put pads and sectors with concrete curbs.	2.1	CA-DP	AF	$80,500.00
	SP3	(Softball) - New backstop wall and 40' netting system; existing is chain-link with netting that is too short.	2.1	CA-DP	AF	$83,030.00
	SP4	(Outdoor Miscellaneous) - Convert unused restroom building next to maintenance building to storage and ticket booth.	2.1	CA-DP	AF	$172,500.00
	SP5	(Baseball) - New 50' backstop back-tension netting; existing is very short and in bad condition.	2.1	CA-DP	AF	$143,750.00
	SP6	(Baseball/Softball) - New multipurpose hitting cages and storage building.	2.1	CA-DP	AF	$644,000.00
	SP7	(Baseball) - Drainage is very bad in many areas: Add subdrains and surface drains and regrade in foul territory from far end of home dugout to far end of visitor dugout; Add subdrains and possibly surface drains along outfield fence and in left field corner. This line item not required if turf line item is approved.	2.1	CA-DP	AF	$92,239.20
	SP8	(Softball) - Add scupper/knockout in low corner of home dugout to allow water to escape and not pond.	2.1	CA-DP	AF	$575.00
	SP9	(Baseball) - Pour concrete pad to finish 1st base dugout.	2.1	CA-DP	AF	$1,380.00
	SP10	(Softball) - Add 8' chain-link fence at face of dugout for safety.	2.1	CA-DP	AF	$4,600.00
	SP11	(Practice Fields) - Add netting to shield discus spectators and football goal post from discus throws.	2.1	CA-DP	AF	$5,175.00
	SP12	(Baseball) - Provide field dirt material storage (3 bins.)	2.1	CA-DP	AF	$5,750.00
	SP13	(Softball) - Extend the backstop pads to each dugout and make sure new padding is short enough to allow proper sight lines when sitting in bleachers. Should not be more than 30" in height	2.1	CA-DP	AF	$6,440.00

KINGWOOD PARK HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP14	(Practice Fields) - Extend sidewalk from field house along the fence to the discus spectator area.	2.1	CA-DP	AF	$10,867.50
	SP15	(Softball) - Foul territory drains toward the dugouts and bleachers; especially moist on visitors side; add drainage to help.	2.1	CA-DP	AF	$11,500.00
	SP16	(Softball) - Hitting cage is in a low area and flood easily; need to add drainage.	2.1	CA-DP	AF	$13,800.00
	SP17	(Practice Fields) - New discus cage with concrete pad.	2.1	CA-DP	AF	$51,750.00
	SP18	(Softball) - Provide new visitor bullpen; currently a muddy bare spot in left field corner.	2.1	CA-DP	AF	$57,500.00
	SP19	(Track and Field) - Confirm long/triple jump sand pits are draining through subdrains; possibly need to add subdrains and connect to adjacent inlets.	2.1	CA-DP	AT	$13,800.00
	SP20	(Track and Field) - Low spot in SW corner of field; strip and regrade to improve planarity. This line item not required if turf line item is approved.	2.1	CA-DP	AT	$34,500.00
	SP21	(Track and Field) - Strip and resurface track and field events; with the current surfacing from 2009, this should probably be done in 2017 or 2018 as this coming school year will be the 8th on this surface. With a retop, you could maybe extend this to 10	2.1	CA-DP	AT	$239,200.00
	SP22	Upgrade sports lighting at Football, Baseball, and Softball fields.	2.1	CA-DP	SL	$1,020,000.00
	SP23	(Tennis Courts) - Add tennis court lights.	2.1	DRS	TC	$270,250.00
	SP24	(Tennis) - Recoat two courts and resurface (strip off existing surface and then apply new layered and textured tennis court surfacing) six courts.	2.2	CA-DP	TC	$82,800.00
	SP25	(Baseball-KPHS) - Convert existing field to synthetic turf.	3	CA-DP	AE	$1,495,000.00
	SP26	(Softball) - Replace existing chain-link outfield fence with new 8'/12' green metal R panel wall to match existing fence height and 16' tall batters eye.	3	CA-DP	AF	$100,625.00
	SP27	(Softball) - Provide new batter's eye.	3	CA-DP	AF	$28,750.00
	SP28	(Softball-KPHS) - Convert existing field to synthetic turf.	3	CA-DP	AF	$690,000.00
	SP29	(Outdoor Miscellaneous) - Paint green maintenance and restroom buildings to match other buildings.	3	CA-DP	AF	$3,588.00
	SP30	(Baseball) - New tarp storage pad.	3	CA-DP	AF	$5,750.00
	SP31	(Softball) - New tarp storage pad.	3	CA-DP	AF	$5,750.00
	SP32	(Baseball) - Replace home plate apron turf.	3	CA-DP	AF	$6,670.00
	SP33	(Baseball) - New visitor dugout benches to match home dugout.	3	CA-DP	AF	$11,500.00
	SP34	(Baseball) - Replace home dugout benches.	3	CA-DP	AF	$11,500.00
	SP35	(Baseball) - Elevate bleachers; sight lines are blocked by tall dugouts.	3	CA-DP	AF	$51,750.00
	SP36	(Baseball) - New visitor double bullpen.	3	CA-DP	AF	$57,500.00
	SP37	(Baseball) - New home double bullpen.	3	CA-DP	AF	$57,500.00
	SP38	(Softball) - New home double bullpen.	3	CA-DP	AF	$57,500.00
	SP39	(Baseball) - Replace existing chain-link outfield fence with new 8'/12' green metal R-panel wall to match existing fence height and 16' tall batters eye.	3	CA-DP	AF	$100,625.00
	SP40	(Track and Field) - Pour concrete apron in front of bleachers.	3	CA-DP	AT	$13,524.00
	SP41	(Softball) - New batter's eye; lights on adjacent property are right in a RHP throwing path.	3	CA-DP	REN	$37,500.00
	SP42	(Baseball) - New batter's eye; lights on adjacent property are right in a RHP throwing path.	3	CA-DP	REN	$31,250.00
NUTRITION SERVICES						$146,460.50
	NS1	Add required air screen at Receiving door.	1	CA	MEQ	$1,460.50
	NS2	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00

KINGWOOD PARK HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	NS3	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
MP	Major Projects: Items that have been planned or have already been designated as Major Projects.	$4,700,619.00
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$8,653,346.30
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$13,999,029.40
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$4,044,516.40
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$26,235,393.20
4	Future Consideration - (Life Expectancy: 10 + years)	$6,110,438.80
		$63,743,343.10

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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SUMMER CREEK HIGH SCHOOL

Summer Creek
High School
Attitude is Everything



Aerial Site Plan



14000 Weckford Blvd.
Houston, Texas 77044

ORIGINAL BUILDING COMPLETED: 2009
BUILDING AREA: 489,677 SF
SITE ACREAGE: 56.41
BUILDING CAPACITY: 3,200
CURRENT ENROLLMENT: 2,342
ENROLLMENT AS OF: 2016-2017

SUMMER CREEK HIGH SCHOOL

Front Door



Existing Site Plan



SUMMER CREEK HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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Priority	Total Cost
Priority - MP	$4,700,619.00
Priority - 1	$692,820.00
Priority - 2.1	$7,253,235.00
Priority - 2.2	$2,077,500.00
Priority - 3	$12,391,038.50
Priority - 4	$21,747,269.30
Priority Totals	$48,862,481.80

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$0.00	$0.00	$143,750.00	$5,190,000.00	$5,333,750.00
Architectural	$4,700,619.00	$600,820.00	$2,072,500.00	$1,249,500.00	$4,360,687.50	$6,304,485.60	$19,288,612.10
Mechanical	$0.00	$0.00	$960,000.00	$54,000.00	$313,500.00	$4,032,500.00	$5,360,000.00
Electrical	$0.00	$0.00	$0.00	$774,000.00	$2,109,351.00	$0.00	$2,883,351.00
Plumbing	$0.00	$0.00	$192,000.00	$0.00	$0.00	$115,200.00	$307,200.00
Technology	$0.00	$0.00	$1,255,800.00	$0.00	$2,012,500.00	$2,534,078.48	$5,802,378.48
Fire & Life Safety	$0.00	$0.00	$108,800.00	$0.00	$287,500.00	$1,762,837.20	$2,159,137.20
Security	$0.00	$0.00	$0.00	$0.00	$373,750.00	$281,564.28	$655,314.28
Sports	$0.00	$92,000.00	$2,664,135.00	$0.00	$2,645,000.00	$1,526,603.75	$6,927,738.75
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$4,700,619.00	$692,820.00	$7,253,235.00	$2,077,500.00	$12,391,038.50	$21,747,269.30	**$48,862,481.80**

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 final scope of work will be included.

SUMMER CREEK HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
BUILDING ENVELOPE						$5,333,750.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$57,500.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$86,250.00
	B3	Replace existing roof. (Original roof 2009, scheduled replacement 2029).	4	DRS	RFR	$5,190,000.00
ARCHITECTURAL						$19,288,612.10
	A1	New Third Gym (Practice) Addition.	MP	CA-DP	ADD_MP	$4,700,619.00
	A2	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$556,600.00
	A3	(Site) - Need a wheelchair ramp at East building entrance. Special Education has to lift wheelchair onto curb.	1	CA-DP	LS	$12,000.00
	A4	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$3,420.00
	A5	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A6	(Weight Room) - Weight Room and Football storage addition. (Existing Weight Room is too small; similar to AHS). Include large table with storage for football equipment repair, work, etc.	2.1	CA-DP	ADD	$1,181,250.00
	A7	(Practice Gym) - Horizontal cracks throughout; structural analysis needed.	2.1	CA-DP	AF	$28,750.00
	A8	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2009 (NEW) scheduled for 2019).	2.1	DRS	PTG	$862,500.00
	A9	(CTE - Aerospace Classroom) - Renovate and existing Biology or Chemistry classroom to become a classroom for the Aerospace program. Aerospace classroom to have a "clean" side and a shop side.	2.2	CA-DP	REN	$300,000.00
	A10	(Cafeteria) - Renovation to make the Cafeteria a place students want to be (add features such as standing height bars, fixed group seating, and flexible seating, and spatial elements).	2.2	CA-DP	REN	$937,500.00
	A11	(Athletics) - Concession stand not secure.	2.2	CA-DP	SEC	$12,000.00
	A12	(Greenhouse) - Add a Greenhouse for CTE programs.	3	CA-DP	ADD	$125,000.00
	A13	(CTE Classroom Mock Up) - Add a classroom to be a mock up of a District standard pre-k/kindergarten classroom for the CTE teaching program.	3	CA-DP	ADD	$437,500.00
	A14	(Natatorium) - Resurface pool deck with epoxy coating.	3	CA-DP	AE	$138,000.00
	A15	(Entrance) - Add canopies at entry and at car loop.	3	CA-DP	CNPY	$460,000.00
	A16	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2009 (NEW) scheduled for 2024). CRAYON.	3	DRS	FLR	$966,000.00
	A17	(Art) - Replace kiln, new kiln to have remote control and notification capability.	3	CA-DP	MEQ	$5,750.00
	A18	(Auto Shop) - Replace existing automotive equipment and add equipment as required to meet program needs.	3	CA-DP	MEQ	$86,250.00
	A19	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$267,187.50
	A20	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$1,875,000.00
	A21	(Auditorium) - Replace auditorium and black box control booth windows with operable windows.	4	CA-DP	AV	$9,200.00

SUMMER CREEK HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A22	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$1,420,205.60
	A23	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$3,335,000.00
	A24	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$114,080.00
	A25	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$178,250.00
	A26	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$834,900.00
	A27	Replace all marker boards campus-wide.	4	CA	MBTB	$201,250.00
	A28	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$211,600.00
MECHANICAL						$5,360,000.00
	M1	Replace pool HVAC unit.	2.1	CA-DP	HVAC	$960,000.00
	M2	Provide DX cooling in Administration area (add coil).	2.2	CA	HVAC	$54,000.00
	M3	Refurbish/replace (2) Evapco cooling tower fill (last fill was 2016, next fill in 2023).	3	DRS	CT	$103,500.00
	M4	(1/3) Replace Trane air cooled chiller (installed in 2009, replace in 2024).	3	DRS	HVAC	$210,000.00
	M5	Replace (2) Evapco cooling towers (installed in 2009, replace in 2029).	4	DRS	CT	$1,012,000.00
	M6	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$660,000.00
	M7	(2/3 & 3/3) Replace (2) Trane water cooled chillers (installed in 2009, replace in 2029).	4	DRS	HVAC	$1,080,000.00
	M8	(1/6 & 2/6) Replace (2) Sellers heating boilers in Central Plant (installed in 2008, replace in 2028).	4	DRS	HVAC	$1,200,000.00
	M9	(CTE) Air Compressors: Replace compressed air system at CTE areas (install the same standardized system at each high school campus).	4	CA-DP	MEQ	$80,500.00
ELECTRICAL						$2,883,351.00
	E1	Replace under water pool lights with low voltage LEDs. Coordinate with Re-plastering.	2.2	CA-DP	LTG	$54,000.00
	E2	Provide new theatrical lighting system in performance Auditorium and black box.	2.2	CA	LTG	$720,000.00
	E3	(Band Hall and Orchestra) - Add data outlets (2 outlets added to each room).	3	CA-DP	ELE	$720.00
	E4	(Band Hall and Orchestra) - Add electrical outlets (8 outlets added to each room).	3	CA-DP	ELE	$18,000.00
	E5	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E6	Provide LED house lighting in Auditorium seating area.	3	CA-DP	LTG	$360,000.00
	E7	Upgrade interior lighting to LED.	3	CA-DP	LTG	$1,469,031.00
	E8	Provide LED building exterior lighting.	3	CA-DP	SL	$90,000.00
	E9	Provide LED parking lot lighting.	3	CA	SL	$111,600.00
PLUMBING						$307,200.00
	P1	(5/6 & 6/6) Replace (2) Raypak Pool boilers (installed in 2008, replace in 2018).	2.1	DRS	WTRH	$192,000.00
	P2	(3/6 & 4/6) Replace (2) Sellers domestic water boilers in Central Plant (installed in 2008, replace in 2028).	4	DRS	WTRH	$115,200.00
TECHNOLOGY						$5,802,378.48
	T1	Provide new local sound in Cafeteria/Gyms. Principal comment: Competition Gym needs a better sound system. It is hard to hear at large events, totally inadequate.	2.1	CA	AV	$163,875.00

SUMMER CREEK HIGH SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T2	Provide new sound system at athletic/play fields.	2.1	CA	AV	$179,400.00
	T3	Provide new audio and video system in performance Auditorium and Black Box.	2.1	CA	AV	$575,000.00
	T4	Provide new security system at athletic/play fields with (4) cameras at concession building and (2) each at (3) press boxes, for a total of 9.	2.1	CA-DP	SCM	$41,400.00
	T5	Local sound upgrade in Natatorium.	2.1	CA-DP	SR	$66,125.00
	T6	Wireless access upgrade.	2.1	CA-DP	TECH	$230,000.00
	T7	Provide new classroom projection equipment.	3	CA	AV	$1,092,500.00
	T8	Upgrade network equipment.	3	CA	TECH	$920,000.00
	T9	Provide new clock system.	4	CA	CLK	$844,692.83
	T10	Provide new intercom system.	4	CA	PA	$844,692.83
	T11	Provide new technology cabling.	4	CA	TECH	$844,692.83
FIRE & LIFE SAFETY						$2,159,137.20
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Renew curtain flame retardant substrate. Last replaced in 2009, next renewal in 2019.	2.1	DRS	MEQ	$9,200.00
	FL3	Provide a sports lighting control station, breakers are being used to operate sports lighting.	2.1	CA-DP	SL	$54,000.00
	FL4	Replace Cummins emergency generator (installed in 2008, replace in 2023).	3	DRS	EG	$287,500.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$1,762,837.20
SECURITY						$655,314.28
	S1	Provide new access control system. Principal comment: would prefer card readers instead of master keys.	3	CA	SCR	$373,750.00
	S2	Provide new intrusion detection system.	4	CA	SIA	$281,564.28
SPORTS						$6,927,738.75
	SP1	(Outdoor Misc.) - Would recommend removing soft material boards from wall inside of press boxes throughout site in order to prevent moisture retainage.	1	CA-DP	AF	$34,500.00
	SP2	(Outdoor Misc.) - Ticket booth, along with other buildings/press boxes in outdoor sports area, have moisture problems indoors. Moisture issues need to be addressed immediately. A/C unit to be updated.	1	CA-DP	AF	$57,500.00
	SP3	(Track and Field) - Concession/storage building expansion/addition to improve storage space shortage.	2.1	CA-DP	ADD	$600,000.00
	SP4	(Baseball) - Grate inlet behind left field baseball fence to be lowered and area regraded for positive drainage. This line item not required if turf line item is approved.	2.1	CA-DP	AF	$7,245.00
	SP5	(Outdoor Misc.) - Low point at corner of baseball right field, near ticket booth; area holds water. Need drainage improvement.	2.1	CA-DP	AF	$20,125.00
	SP6	(Outdoor Misc.) - Finished floor of ticket booth looks to be lower than outside pavement, need to ensure positive drainage away from ticket booth.	2.1	CA-DP	AF	$23,000.00
	SP7	(Outdoor Misc.) - Fence along railroad tracks on north west side of sports to be repaired/replaced.	2.1	CA-DP	AF	$40,020.00
	SP8	(Softball) - Add 8' chain-link fence in front of dugouts for safety.	2.1	CA-DP	AF	$4,600.00
	SP9	(Baseball) - Provide field dirt material storage (3 bins).	2.1	CA-DP	AF	$5,750.00
	SP10	(Practice Fields) - Inlet near school to be lowered to ensure positive drainage.	2.1	CA-DP	AF	$5,750.00
	SP11	(Baseball) - Modify existing irrigation system with, at a minimum, additional heads and possibly head relocation.	2.1	CA-DP	AF	$28,750.00

SUMMER CREEK HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	SP12	(Softball) - Provide additional concession/restroom/ticket building for softball/tennis in existing field between baseball, softball, and tennis	2.1	CA-DP	AF	$586,500.00
	SP13	Provide covered hitting cage (new pre-engineered metal building) for baseball and softball with storage between baseball and concession stand.	2.1	CA-DP	AF	$644,000.00
	SP14	(Track and Field) - Slight drainage issue at northwest area of field; needs to be regraded. This line item not required if turf line item is approved.	2.1	CA-DP	AT	$5,750.00
	SP15	(Track and Field) - Remove and replace synthetic track surface with 13mm sealed structural spray.	2.1	CA-DP	AT	$270,250.00
	SP16	(Boys' Physical Education Locker Room) - Lockers are beaten up and missing doors.	2.1	CA-DP	LOC	$41,745.00
	SP17	(Tennis Courts) - Add tennis court lights.	2.1	DRS	TC	$270,250.00
	SP18	(Tennis Courts) - Strip existing tennis court surfacing down to bare concrete slab and replace with new layered and textured tennis court surfacing.	2.1	CA-DP	TC	$110,400.00
	SP19	(Baseball-SCHS) - Convert existing field to synthetic turf.	3	CA-DP	AE	$1,495,000.00
	SP20	(Softball) - Replace existing chain-link outfield fence with new 8'/12' green metal R panel wall to match existing fence height and 16' tall batters eye.	3	CA-DP	AF	$100,625.00
	SP21	(Softball-SCHS) - Convert existing field to synthetic turf.	3	CA-DP	AF	$690,000.00
	SP22	(Baseball) - New tarp storage pad.	3	CA-DP	AF	$5,750.00
	SP23	(Softball) - New tarp storage pad.	3	CA-DP	AF	$5,750.00
	SP24	(Baseball) - Replace existing chain-link outfield fence with new 12'/16' green metal R-panel wall, to match existing fence height.	3	CA-DP	AF	$97,175.00
	SP25	(Baseball) - Replace existing bullpens with synthetic turf on concrete pad bullpens.	3	CA-DP	AF	$115,000.00
	SP26	(Softball) - Replace existing bullpens with synthetic turf on concrete pad.	3	CA-DP	AF	$115,000.00
	SP27	(Tennis Courts) - Provide 200 SF metal storage building for Tennis.	3	CA-DP	TC	$20,700.00
	SP28	(Outdoor Misc.) - Existing spoil are behind Softball and Tennis to be converted to running hill with synthetic turf runway.	4	CA-DP	AF	$23,000.00
	SP29	(Baseball) - Field to be regraded; hump between skinned dirt and outfield area, regrading will improve drainage. This line item not required if turf line item is approved.	4	CA-DP	AF	$109,250.00
	SP30	(Outdoor Misc.) - Regrade area behind Softball and Tennis to maximize room for athletic workouts.	4	CA-DP	AF	$170,803.75
	SP31	(Softball) - Existing multiple pole backstop netting system to be upgraded to 40' tension netting system	4	CA-DP	AF	$82,800.00
	SP32	(Baseball) - Existing multiple pole backstop netting system to be upgraded to 50' tension netting system.	4	CA-DP	AF	$120,750.00
	SP33	Upgrade sports lighting at Football, Baseball, and Softball fields.	4	CA-DP	SL	$1,020,000.00
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

SUMMER CREEK HIGH SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

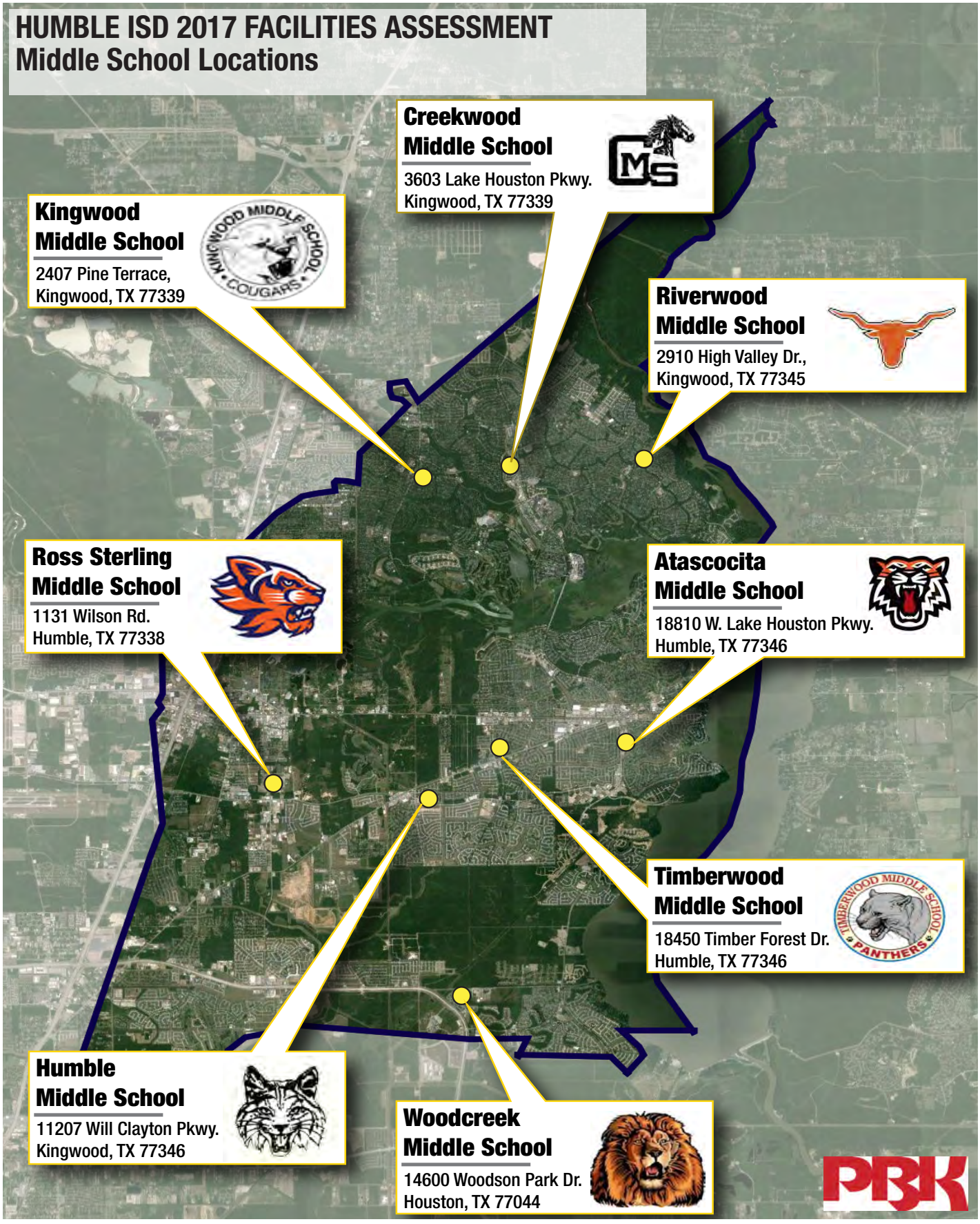
DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST

CODE	PRIORITY	TOTAL
MP	Major Projects: Items that have been planned or have already been designated as Major Projects.	$4,700,619.00
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$692,820.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$7,253,235.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,077,500.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$12,391,038.50
4	Future Consideration - (Life Expectancy: 10 + years)	$21,747,269.30
		$48,862,481.80

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

MIDDLE SCHOOLS



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ATASCOCITA MIDDLE SCHOOL

Atascocita
Middle School
Strong Readers, Strong Writers, Strong Problem Solvers



Aerial Site Plan



18810 W. Lake Houston Pkwy
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 1983
BUILDING AREA: 139,022 SF
SITE ACREAGE: 20.14
BUILDING CAPACITY: 900
CURRENT ENROLLMENT: 1,233
ENROLLMENT AS OF: 2016-2017

ATASCOCITA MIDDLE SCHOOL

Front Door



Existing Site Plan



ATASCOCITA MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$970,800.50
Priority - 2.1	$5,006,941.70
Priority - 2.2	$4,310,754.30
Priority - 3	$11,941,012.85
Priority - 4	$3,253,478.00
Priority Totals	$25,482,987.35

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$1,824,600.00	$0.00	$1,824,600.00
Building Envelope	$0.00	$0.00	$2,100,000.00	$0.00	$135,000.00	$0.00	$2,235,000.00
Architectural	$0.00	$718,940.00	$2,122,600.00	$1,514,337.50	$3,401,265.00	$1,200,193.20	$8,957,335.70
Mechanical	$0.00	$0.00	$0.00	$2,595,916.80	$1,216,958.40	$0.00	$3,812,875.20
Electrical	$0.00	$0.00	$0.00	$166,000.00	$2,301,330.00	$0.00	$2,467,330.00
Plumbing	$0.00	$216,000.00	$67,650.00	$0.00	$644,025.90	$0.00	$927,675.90
Technology	$0.00	$0.00	$408,862.95	$0.00	$1,830,875.90	$212,750.00	$2,452,488.85
Fire & Life Safety	$0.00	$34,400.00	$45,600.00	$0.00	$71,300.00	$1,558,784.80	$1,710,084.80
Security	$0.00	$0.00	$0.00	$34,500.00	$252,437.65	$0.00	$286,937.65
Sports	$0.00	$0.00	$262,228.75	$0.00	$118,220.00	$281,750.00	$662,198.75
Nutrition Services	$0.00	$1,460.50	$0.00	$0.00	$145,000.00	$0.00	$146,460.50
Priority Totals	$0.00	$970,800.50	$5,006,941.70	$4,310,754.30	$11,941,012.85	$3,253,478.00	**$25,482,987.35**

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 final scope of work will be included.

ATASCOCITA MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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						$1,824,600.00
	C1	Remove and replace concrete sidewalk.	3	CA	SPM	$9,600.00
	C2	Demolish unused concrete.	3	CA	SPM	$15,000.00
	C3	Remove and replace all parking lots and roadways.	3	CA	SPM	$1,800,000.00
BUILDING ENVELOPE						$2,235,000.00
	B1	Replace existing roof. (Original roof 1999, refurbished in 2009, scheduled replacement 2019.)	2.1	DRS	RFR	$2,100,000.00
	B2	Replace existing roof at New Wing. (Original roof 2006, scheduled replacement 2026).	3	DRS	RFR	$31,500.00
	B3	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$46,000.00
	B4	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$57,500.00
ARCHITECTURAL						$8,957,335.70
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$264,500.00
	A2	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$2,280.00
	A3	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A4	(Lobby) - Add secure vestibule.	1	CA-DP	SEC	$63,360.00
	A5	(Wood Shop) - Concrete slab and foundation repairs at Wood Shop. (Floor settling causing and cracks in wall. Foundation repair required.)	1	CA-DP	STR	$360,000.00
	A6	Renovate boys' and girls' Locker Rooms.	2.1	CA-DP	ADD	$1,650,000.00
	A7	(Music Instrument Storage) - Replace existing instrument storage casework with new secure (Wenger) instrument storage system.	2.1	CA-DP	MW	$82,800.00
	A8	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2006 scheduled for 2016).	2.1	DRS	PTG	$241,500.00
	A9	(Stage) - Replace stage curtains.	2.1	CA-DP	REN	$25,000.00
	A10	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$48,300.00
	A11	(Gymnasiums) - Basketball goals to be changed to electric risers.	2.1	CA-DP	REN	$75,000.00
	A12	Provide new outdoor storage; existing is old rusted shipping container. Provide new 2 metal storage building near existing storage container. Should be priority #1.	2.2	DRS	ADD	$25,000.00
	A13	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.2	CA-DP	CWK	$615,250.00
	A14	(Wood Shop) - Add eyewash and a gang sink.	2.2	CA-DP	FXT	$6,900.00
	A15	(Shop) - Renovate existing wood/technology shops to convert them to flexible lab spaces (new lab spaces will be divided in half to create a "clean" lab half to accommodate 24 computer work stations and a shop half for working with materials).	2.2	CA-DP	REN	$867,187.50
	A16	(Fine Arts Music) - Addition to bring orchestra rooms up to District standard size and renovate other music spaces.	3	CA-DP	ADD	$1,137,500.00
	A17	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$66,240.00
	A18	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$103,500.00

ATASCOCITA MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	A19	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$550,275.00
	A20	(Library) - Renovate Storage Room to provide separate room for IDF rack (Storage Room has IDF rack currently).	3	CA-DP	REN	$12,500.00
	A21	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$203,125.00
	A22	(Special Education) - Renovate Special Education area to bring up to current District standards (match Woodcreek MS).	3	CA-DP	REN	$437,500.00
	A23	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$890,625.00
	A24	Replace existing ceiling throughout as part of Ceiling Replacement Project.	4	CA-DP	CLG	$598,743.20
	A25	(Fine Arts Music) - Replace all doors to music rooms with sound rated doors.	4	CA-DP	DR	$87,400.00
	A26	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2002 (classrooms) / 2012 scheduled for 2027).	4	DRS	FLR	$362,250.00
	A27	(Science Room) - Add an accessible sink.	4	CA-DP	FXT	$5,750.00
	A28	Replace all marker boards campus-wide.	4	CA	MBTB	$90,850.00
	A29	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$55,200.00
MECHANICAL						$3,812,875.20
	M1	Upgrade Locker Room ventilation.	2.2	PQI	HVAC	$90,000.00
	M2	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$180,000.00
	M3	Replace 80% of the roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$216,000.00
	M4	Replace air handling units. Re-design system to include one zone per classroom.	2.2	CA-DP	HVAC	$2,001,916.80
	M5	Provide DX cooling in administration area (one RTU existing).	2.2	CA-DP	MECH	$108,000.00
	M6	(1/2) Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$216,000.00
	M7	Replace chilled and heating water piping and insulation.	3	CA-DP	MECH	$1,000,958.40
ELECTRICAL						$2,467,330.00
	E1	Provide new lighting system in Theater performance space.	2.2	CA	LTG	$78,000.00
	E2	AMS has new digital security cameras, rec'd in 2015. Additional cameras needed on patio, front entrance outside, tennis courts, and t-building walkway, and two in the main hallway corridors	2.2	DRS	SCM	$46,000.00
	E3	Provide additional lighting at front entry.	2.2	CA-DP	SL	$42,000.00
	E4	Electrical distribution system upgrade (1983 ITE), include capacity for future electrical branch circuits.	3	CA-DP	ED	$1,334,611.20
	E5	(Art Room) Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E6	Provide automatic control of interior lighting.	3	CA	LTG	$333,652.80
	E7	Upgrade interior lighting to LED.	3	CA-DP	LTG	$417,066.00
	E8	LED building exterior lighting.	3	CA-DP	SEC	$54,000.00
	E9	Provide LED parking lot lighting. Principal comment: would like additional lighting in parking lot.	3	PQI	SL	$102,000.00
PLUMBING						$927,675.90
	P1	(2/2) Replace RBI domestic water boiler (installed in 2000, replaced in 2010 - 2015).	1	DRS	WTRH	$216,000.00
	P2	Add Hand Lavs at Preparation/Production.	2.1	CA	FXT	$17,250.00

ATASCOCITA MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	P3	Replace domestic water service entry tree.	2.1	CA-DP	PLB	$50,400.00
	P4	Replace plumbing fixtures. Coordinate with architectural upgrade.	3	CA-DP	FXT	$479,625.90
	P5	Replace Bradley column showers.	3	CA-DP	PLB	$164,400.00
TECHNOLOGY						$2,452,488.85
	T1	(Library) - Technical problems with same wire control issues.	2.1	CA-DP	TECH	$25,300.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T3	Provide new technology cabling.	2.1	CA	TECH	$239,812.95
	T4	Provide new classroom projection equipment.	3	CA	AV	$776,250.00
	T5	Provide new clock system.	3	CA	CLK	$239,812.95
	T6	Provide new intercom system.	3	CA	PA	$239,812.95
	T7	Upgrade network equipment.	3	CA	TECH	$575,000.00
	T8	Provide new local sound and video in Cafeteria/Gym/Theater.	4	CA	AV	$212,750.00
FIRE & LIFE SAFETY						$1,710,084.80
	FL1	(Special Education) - PA system is not hooked up to emergency power - can not communicate during power outage.	1	CA-DP	PA	$23,000.00
	FL2	(Science Room 102) - Students stations have gas, but do not have a shut-off.	1	CA-DP	PLB	$11,400.00
	FL3	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL4	Replace Generac emergency generator (installed in 2009, replace in 2024).	3	DRS	EG	$63,250.00
	FL5	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$8,050.00
	FL6	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$500,479.20
	FL7	Provide a complete fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$667,305.60
	FL8	Provide new security camera system.	4	CA	SCM	$391,000.00
SECURITY						$286,937.65
	S1	Provide door contacts at all exterior doors.	2.2	CA-DP	SIA	$34,500.00
	S2	Provide new access control system.	3	CA	SCR	$172,500.00
	S3	Provide new intrusion detection system.	3	CA	SIA	$79,937.65
SPORTS						$662,198.75
	SP1	(Outdoor) - Provide new discus pad with cage and new shot put pad with throw sector with concrete curbs.	2.1	CA-DP	AF	$63,250.00
	SP2	(Outdoor) - Add double gate at main entrance of track and field	2.1	CA-DP	AF	$2,875.00
	SP3	(Outdoor) - Drainage issues outside of school near tennis courts.	2.1	CA-DP	AF	$28,750.00
	SP4	(Outdoor) - Need new outdoor storage; existing is old rusted shipping container-Provide new metal storage building near existing storage container.	2.1	CA-DP	AF	$57,500.00
	SP5	(Outdoor) - Address drainage issues throughout track and track entrance.	2.1	CA-DP	AF	$74,750.00
	SP7	(Outdoor) - Provide new D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	2.1	CA-DP	AT	$35,103.75
	SP6	(Outdoor) - Provide new Y-style goal posts.	3	CA-DP	AF	$115,000.00
	SP8	(Outdoor) - Add sufficient sidewalk entrance at track and field.	3	CA-DP	AT	$3,220.00
	SP9	(Outdoor) - Field in track to be regraded and resodded.	4	CA-DP	AT	$281,750.00
NUTRITION SERVICES						$146,460.50

ATASCOCITA MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	NS1	Add required air screen at receiving door.	1	CA	MEQ	$1,460.50
	NS2	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS3	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$970,800.50
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$5,006,941.70
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$4,310,754.30
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$11,941,012.85
4	Future Consideration - (Life Expectancy: 10 + years)	$3,253,478.00
		$25,482,987.35

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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CREEKWOOD MIDDLE SCHOOL

Creekwood
Middle School
Where it is Cool to be a Colt!



Aerial Site Plan



3603 Lake Houston Pkwy.
Kingwood, Texas 77339

ORIGINAL BUILDING COMPLETED: 1981
BUILDING AREA: 141,338 SF
SITE ACREAGE: 26.22
BUILDING CAPACITY: 1,064
CURRENT ENROLLMENT: 1,112
ENROLLMENT AS OF: 2016-2017

CREEKWOOD MIDDLE SCHOOL

Front Door



Existing Site Plan



CREEKWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,289,975.10
Priority - 2.1	$8,987,240.80
Priority - 2.2	$1,080,400.00
Priority - 3	$9,587,445.30
Priority - 4	$4,418,090.60
Priority Totals	$25,363,151.80

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$462,840.00	$0.00	$462,840.00
Building Envelope	$0.00	$0.00	$0.00	$103,500.00	$31,500.00	$2,100,000.00	$2,235,000.00
Architectural	$0.00	$445,930.00	$4,557,815.00	$306,500.00	$2,715,750.00	$802,868.20	$8,828,863.20
Mechanical	$0.00	$797,619.60	$3,052,900.80	$514,400.00	$345,000.00	$836,800.00	$5,546,720.40
Electrical	$0.00	$0.00	$0.00	$156,000.00	$979,225.20	$0.00	$1,135,225.20
Plumbing	$0.00	$0.00	$144,000.00	$0.00	$1,374,094.80	$0.00	$1,518,094.80
Technology	$0.00	$0.00	$374,900.00	$0.00	$2,082,674.15	$0.00	$2,457,574.15
Fire & Life Safety	$0.00	$0.00	$556,900.00	$0.00	$516,866.80	$678,422.40	$1,752,189.20
Security	$0.00	$34,500.00	$0.00	$0.00	$253,769.35	$0.00	$288,269.35
Sports	$0.00	$10,465.00	$300,725.00	$0.00	$27,600.00	$0.00	$338,790.00
Nutrition Services	$0.00	$1,460.50	$0.00	$0.00	$798,125.00	$0.00	$799,585.50
Priority Totals	$0.00	$1,289,975.10	$8,987,240.80	$1,080,400.00	$9,587,445.30	$4,418,090.60	**$25,363,151.80**

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 final scope of work will be included.

CREEKWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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						$462,840.00
	C1	Install storm line to capture down spouts along near perimeter of building: approximately 5 storm inlet structures + 1000ft of 12in pipe.	3	CA	SD	$360,000.00
	C2	Demolish asphalt sidewalk and replace with concrete sidewalk.	3	CA	SPM	$3,840.00
	C3	Remove and replace curb stops.	3	CA	SPM	$30,000.00
	C4	Remove and replace expansion joints and restripe parking lot.	3	CA	SPM	$69,000.00
BUILDING ENVELOPE						$2,235,000.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$57,500.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.2	CA	WS	$46,000.00
	B3	Replace existing roof at Addition. (Original roof 2004, scheduled replacement 2024).	3	DRS	RFR	$31,500.00
	B4	Replace existing built up roofs.	4	DRS	RFR	$2,100,000.00
ARCHITECTURAL						$8,828,863.20
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$366,850.00
	A2	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$2,280.00
	A3	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A4	(Lobby) - Add secure vestibule.	1	CA-DP	SEC	$48,000.00
	A5	Renovate boys' and girls' Locker Rooms.	2.1	CA-DP	ADD	$1,650,000.00
	A6	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$615,250.00
	A7	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	2.1	CA-DP	DR	$550,275.00
	A8	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	2.1	CA-DP	DR	$66,240.00
	A9	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	2.1	CA-DP	DR	$103,500.00
	A10	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2005 scheduled for 2020).	2.1	DRS	FLR	$362,250.00
	A11	(Music Instrument Storage) - Replace existing instrument storage casework with new secure (Wenger) instrument storage system.	2.1	CA-DP	MW	$82,800.00
	A12	(Gymnasiums) - Replace doors and frames at corridors.	2.1	CA-DP	REN	$40,000.00
	A13	(Gymnasiums) - Basketball goals to be changed to electrical risers.	2.1	CA-DP	REN	$150,000.00
	A14	(Shop) - Renovate existing wood/technology shops to convert them to flexible lab spaces (new lab spaces will be divided in half to create a "clean" lab half to accommodate 24 computer work stations and a shop half for working with materials).	2.1	CA-DP	REN	$862,500.00
	A15	(Outdoor) - Replace fence around basketball courts and repaint court.	2.1	CA-DP	SF	$19,800.00
	A16	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$55,200.00
	A17	Replace demontable wall system with gyp board walls.	2.2	CA-DP	REN	$12,500.00
	A18	(Site) - Add (40) parking spaces.	2.2	CA-DP	SPN	$192,000.00

CREEKWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	A19	Repair slab, terrazzo, and exterior masonry at 700 corridor (exterior wall and corridor to the right of the main entry).	2.2	CA	STR	$102,000.00
	A20	(Fine Arts Music) - Addition to bring orchestra rooms up to District standard size and renovate other music spaces.	3	CA-DP	ADD	$1,137,500.00
	A21	(Library) - Replace/renovate casework throughout (laminate is peeling off desks and all shelves; no leg space behind desk).	3	CA-DP	CWK	$23,000.00
	A22	(Gymnasiums) - Replace volleyball pole holes.	3	CA-DP	REN	$7,500.00
	A23	Renovate existing computer labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$203,125.00
	A24	(Special Education) Renovate special education area to bring up to current District standards (match Woodcreek MS).	3	CA-DP	REN	$437,500.00
	A25	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$890,625.00
	A26	(Outdoor) - Add fence around dumpsters near soccer goal area.	3	CA-DP	SF	$16,500.00
	A27	Replace existing ceiling throughout as part of Ceiling Replacement Project.	4	CA-DP	CLG	$598,743.20
	A28	(Library) - Provide circulation desk top and ADA access behind desk.	4	CA-DP	CWK	$8,625.00
	A29	(Fine Arts Music) - Replace all doors to Music rooms with sound rated doors.	4	CA-DP	DR	$87,400.00
	A30	Replace all marker boards campus-wide.	4	CA	MBTB	$90,850.00
	A31	(Room 703 -Special Education) - Add accessible sink and stove.	4	CA-DP	MEQ	$5,750.00
	A32	(Fire Gates) - Remove overhead grilles (do not work, they were disabled in 1996 due to the Fire code).	4	CA-DP	MEQ	$11,500.00
MECHANICAL						$5,546,720.40
	M1	(1/2) Replace York chiller (installed 1998, replace in 2018). Remove chilled water storage tank.	1	DRS	HVAC	$204,000.00
	M2	Replace existing TAC and CSI and pneumatic control system, provide new complete DDC control system.	1	CA-DP	HVAC	$593,619.60
	M3	Replace air handling units. Re-design system to include one zone per classroom.	2.1	CA-DP	HVAC	$2,035,267.20
	M4	Replace chilled and heating water piping and insulation.	2.1	CA-DP	MECH	$1,017,633.60
	M5	Provide ventilation in Special Services area restroom.	2.2	CA-DP	HVAC	$21,600.00
	M6	Interlock existing exhaust fans with Air Handling Units.	2.2	CA-DP	HVAC	$78,000.00
	M7	Upgrade ventilation at restrooms/Locker Rooms.	2.2	PQI	HVAC	$90,000.00
	M8	Provide DX cooling at Administration area.	2.2	CA-DP	HVAC	$108,000.00
	M9	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$180,000.00
	M10	(Room 701) - Need exhaust fans in classroom restrooms.	2.2	CA-DP	MEQ	$36,800.00
	M11	Refurbish/replace (2) cooling tower fill every 7 years (first fill in 2019).	3	DRS	CT	$69,000.00
	M12	(1/2) Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$276,000.00
	M13	Replace (2) Evapco cooling towers (installed in 2012, replace in 2032).	4	DRS	CT	$404,800.00
	M14	(2/2) Replace Carrier chiller (installed 2014, replace in 2034).	4	DRS	HVAC	$204,000.00
	M15	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$228,000.00
ELECTRICAL						$1,135,225.20
	E1	Provide new lighting system in Theater performance space.	2.2	CA	LTG	$114,000.00
	E2	Add lighting at front entry.	2.2	CA-DP	SEC	$42,000.00
	E3	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E4	Provide automatic control of interior lighting.	3	CA-DP	LTG	$339,211.20

CREEKWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	E5	Upgrade interior lighting to LED.	3	CA-DP	LTG	$424,014.00
	E6	LED building exterior lighting.	3	CA-DP	SL	$54,000.00
	E7	Provide LED parking lot lighting.	3	CA-DP	SL	$102,000.00
PLUMBING						$1,518,094.80
	P1	(2/2) Replace RBI domestic water boiler (installed in 2004, replace in 2014-2019).	2.1	DRS	WTRH	$144,000.00
	P2	Add hand lavs at Preparation/Production.	3	CA	FXT	$17,250.00
	P3	Replace plumbing fixtures. Coordinate with architectural upgrade.	3	CA	PLB	$508,816.80
	P4	Replace all domestic water piping (galvanized).	3	CA-DP	PLB	$848,028.00
TECHNOLOGY						$2,457,574.15
	T1	Provide new local sound and video in Cafeteria/Gym/Theater.	2.1	CA	AV	$212,750.00
	T2	(Corridor) - Camera feed at music corridor gets blocked with sun glare.	2.1	CA-DP	SCM	$4,600.00
	T3	(Library) - Servers are stored in Library storage like in KWMS. Create an MDF closet.	2.1	CA-DP	TECH	$13,800.00
	T4	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T5	Provide new/upgraded classroom projection equipment.	3	CA	AV	$776,250.00
	T6	Provide new clock system.	3	CA	CLK	$243,808.05
	T7	Provide new intercom system.	3	CA	PA	$243,808.05
	T8	Provide new technology cabling.	3	CA	TECH	$243,808.05
	T9	Upgrade network equipment.	3	CA	TECH	$575,000.00
FIRE & LIFE SAFETY						$1,752,189.20
	FL1	Replace Cummins emergency generator (installed in 2004, replace in 2019).	2.1	DRS	EG	$48,300.00
	FL2	Provide additional egress lighting in this building.	2.1	CA-DP	LTG	$72,000.00
	FL3	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL4	Provide new security camera system. Principal comment: need additional cameras and a better quality system.	2.1	CA	SCM	$391,000.00
	FL5	Provide new fire alarm system.	3	CA-DP	FA	$508,816.80
	FL6	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$8,050.00
	FL7	Provide a complete fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$678,422.40
SECURITY						$288,269.35
	S1	Contacts needed at all exterior doors.	1	CA	SIA	$34,500.00
	S2	Provide new access control system.	3	CA	SCR	$172,500.00
	S3	Provide new intrusion detection system.	3	CA	SIA	$81,269.35
SPORTS						$338,790.00
	SP1	(Outdoor) - Need ADA access to track and field; install proper sidewalk.	1	CA-DP	AT	$10,465.00
	SP2	(Outdoor) - Double gate to be installed at existing track main entrance.	2.1	CA-DP	AF	$2,875.00
	SP3	(Outdoor) - Area around main entrance to track experiences ponding; drainage issue needs to be resolved.	2.1	CA-DP	AF	$10,350.00
	SP4	(Outdoor) - Provide new shot put pad and throwing sector and new discus pad with cage.	2.1	CA-DP	AF	$92,000.00
	SP5	(Outdoor) - Jump pits at long/triple jump to be updated with concrete curbs.	2.1	CA-DP	AF	$23,000.00
	SP6	(Outdoor) - Outdoor storage shed needs to be replaced; currently leaking from holes in structure. Provide new metal storage building.	2.1	CA-DP	AF	$57,500.00

CREEKWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP7	(Outdoor) - Provide new D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	2.1	CA-DP	AT	$115,000.00
	SP8	At Outdoor:Goals to be replaced with 8' offset gooseneck goals.	3	CA-DP	AF	$27,600.00
NUTRITION SERVICES						$799,585.50
	NS1	Add required air screen at receiving door.	1	CA	MEQ	$1,460.50
	NS2	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS3	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00
	NS4	Renovate and Expand to include three (3) new Serving Lines and (4) new POS at Snack Bar.	3	CA-DP	REN	$653,125.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,289,975.10
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$8,987,240.80
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$1,080,400.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,587,445.30
4	Future Consideration - (Life Expectancy: 10 + years)	$4,418,090.60
		$25,363,151.80

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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HUMBLE MIDDLE SCHOOL

Humble
Middle School
One team. One focus. Every child.



Aerial Site Plan



11207 Will Clayton Pkwy.
Humble, Texas 77346

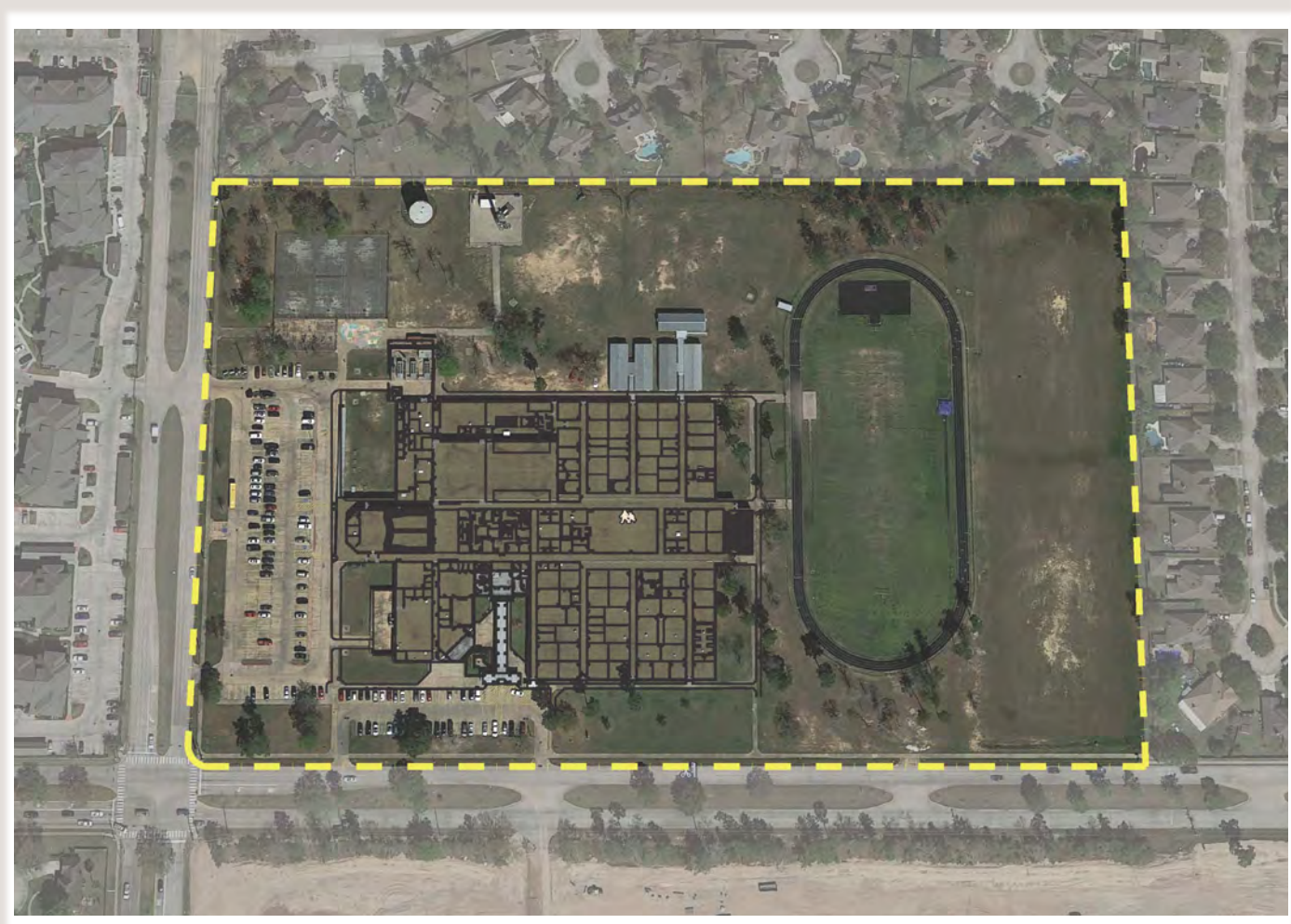
ORIGINAL BUILDING COMPLETED: 1993
BUILDING AREA: 154,536 SF
SITE ACREAGE: 22.03
BUILDING CAPACITY: 1,110
CURRENT ENROLLMENT: 1,146
ENROLLMENT AS OF: 2016-2017

HUMBLE MIDDLE SCHOOL

Front Door



Existing Site Plan



HUMBLE MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$399,390.50
Priority - 2.1	$6,123,322.10
Priority - 2.2	$2,687,388.90
Priority - 3	$10,691,935.80
Priority - 4	$4,679,889.00
Priority Totals	$24,581,926.30

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$267,600.00	$0.00	$267,600.00
Building Envelope	$0.00	$0.00	$2,325,000.00	$0.00	$143,750.00	$90,000.00	$2,558,750.00
Architectural	$0.00	$397,930.00	$2,631,592.50	$922,387.50	$2,852,875.00	$2,140,508.20	$8,945,293.20
Mechanical	$0.00	$0.00	$0.00	$826,886.40	$2,520,518.40	$738,000.00	$4,085,404.80
Electrical	$0.00	$0.00	$57,600.00	$114,000.00	$1,400,894.40	$0.00	$1,572,494.40
Plumbing	$0.00	$0.00	$5,750.00	$0.00	$1,128,816.00	$0.00	$1,134,566.00
Technology	$0.00	$0.00	$717,954.60	$0.00	$2,157,873.80	$0.00	$2,875,828.40
Fire & Life Safety	$0.00	$0.00	$45,600.00	$0.00	$8,050.00	$1,665,380.80	$1,719,030.80
Security	$0.00	$0.00	$0.00	$0.00	$190,858.20	$0.00	$190,858.20
Sports	$0.00	$0.00	$339,825.00	$0.00	$20,700.00	$46,000.00	$406,525.00
Nutrition Services	$0.00	$1,460.50	$0.00	$824,115.00	$0.00	$0.00	$825,575.50
Priority Totals	$0.00	$399,390.50	$6,123,322.10	$2,687,388.90	$10,691,935.80	$4,679,889.00	**$24,581,926.30**

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 final scope of work will be included.

HUMBLE MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						$267,600.00
	C1	Regrade greenspace and rebuild swales.	3	CA	SD	$36,000.00
	C2	Regrade and repair existing detention pond bank.	3	CA	SD	$120,000.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$9,600.00
	C4	Remove and replace concrete paving.	3	CA	SPM	$27,000.00
	C5	Remove and replace expansion joints and restripe parking lot.	3	CA	SPM	$75,000.00
BUILDING ENVELOPE						$2,558,750.00
	B1	Replace existing roof. (Original roof 1993, refurbished in 2010, scheduled replacement 2020).	2.1	DRS	RFR	$2,325,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$57,500.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$86,250.00
	B4	Replace existing roof at Addition. (Original roof 2006, scheduled replacement 2026).	4	DRS	RFR	$90,000.00
ARCHITECTURAL						$8,945,293.20
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$366,850.00
	A2	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$2,280.00
	A3	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A4	(Music Rooms) - Replace existing fabric wrapped acoustic wall panels.	2.1	CA	ACO	$96,800.00
	A5	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$615,250.00
	A6	(Choir) - Replace acoustic panels.	2.1	CA-DP	MEQ	$15,180.00
	A7	(Music Instrument Storage) - Replace existing instrument storage casework with new secure (Wenger) instrument storage system.	2.1	CA-DP	MW	$82,800.00
	A8	(Girls' Locker Room) - Replace lockers.	2.1	CA-DP	REN	$51,562.50
	A9	(Locker Rooms) - Renovate boys' and girls' Locker Rooms.	2.1	CA-DP	REN	$1,650,000.00
	A10	(Gymnasium) -Replace backboards and change to electric risers.	2.1	CA-DP	REN	$120,000.00
	A11	(Shop) - Renovate existing wood/technology Shops to convert them to flexible lab spaces (new lab spaces will be divided in half to create a "clean" lab half to accommodate 24 computer work stations and a shop half for working with materials).	2.2	CA-DP	REN	$867,187.50
	A12	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.2	CA-DP	TP	$55,200.00
	A13	(Fine Arts Music) - Addition to bring Orchestra rooms up to District standard size and renovate other Music spaces.	3	CA-DP	ADD	$662,500.00
	A14	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2008 scheduled for 2023).	3	DRS	FLR	$362,250.00
	A15	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$203,125.00
	A16	(Corridors) - Demo lockers, remove islands and replace terrazzo flooring in locker areas. Lockers are not used and need to be removed.	3	CA-DP	REN	$375,000.00

HUMBLE MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A17	(Special Education) - Renovate Special Education area to bring up to current District standards (match Woodcreek MS).	3	CA-DP	REN	$390,625.00
	A18	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$859,375.00
	A19	Replace existing ceiling throughout as part of Ceiling Replacement Project.	4	CA-DP	CLG	$598,743.20
	A20	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$66,240.00
	A21	(Fine Arts Music) - Replace all doors to music rooms with sound rated doors.	4	CA-DP	DR	$87,400.00
	A22	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$103,500.00
	A23	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$550,275.00
	A24	(Art Room) - Add an accessible sink.	4	CA-DP	FXT	$8,625.00
	A25	(Science Room) - Replace Science room casework and add accessible sinks.	4	CA-DP	FXT	$299,000.00
	A26	Replace all marker boards campus-wide.	4	CA	MBTB	$90,850.00
	A27	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. Include Corridor and Wainscoting (Previously painted in 2003 scheduled for 2013 next scheduled job?).	4	DRS	PTG	$241,500.00
	A28	(Stage) - Replace stage curtains.	4	CA-DP	REN	$25,000.00
	A29	(Auditorium) - Replace Auditorium seating (original seats were installed in 1993).	4	CA-DP	REN	$69,375.00
MECHANICAL						$4,085,404.80
	M1	Upgrade Locker Room ventilation.	2.2	PQI	HVAC	$90,000.00
	M2	Interlock existing exhaust fans with air handling units.	2.2	CA-DP	HVAC	$78,000.00
	M3	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$180,000.00
	M4	Replace chilled water piping insulation. Replace selected heating water piping insulation.	2.2	CA-DP	HVAC	$370,886.40
	M5	Provide DX cooling in administration area.	2.2	CA-DP	MECH	$108,000.00
	M6	(1/3) Replace Ajax heating boiler (installed 2004, replace in 2024).	3	DRS	HVAC	$295,200.00
	M7	Replace air handling units. Remove electrical meters (no longer used). Re-design to add zones (currently 3 classrooms per zone).	3	CA-DP	HVAC	$2,225,318.40
	M8	Replace (3) air cooled chillers (installed in 2016, replace in 2036). Remove chilled water storage tank.	4	DRS	HVAC	$468,000.00
	M9	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$270,000.00
ELECTRICAL						$1,572,494.40
	E1	Need emergency lighting in classrooms and corridors.	2.1	CA-DP	LS	$57,600.00
	E2	Provide new lighting system in Theater performance space (auditorium lighting is brand new).	2.2	CA	LTG	$114,000.00
	E3	(Band - Orchestra Room) - Provide more electrical outlets especially in the instrument storage room.	3	CA-DP	ELE	$14,400.00
	E4	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E5	(Classrooms) - Lighting upgrade: Lighting problem with lens type, some lights have been updated but a lot are the old ones. 2 Lamps vs 3 Lamp lighting fixtures.	3	CA-DP	LTG	$54,000.00
	E6	Provide LED house lighting in Auditorium.	3	CA-DP	LTG	$240,000.00
	E7	Provide automatic control of interior lighting.	3	CA	LTG	$370,886.40

HUMBLE MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	E8	Upgrade interior lighting to LED.	3	CA-DP	LTG	$463,608.00
	E9	Add lighting at front entry.	3	CA-DP	SEC	$42,000.00
	E10	Provide LED parking lot lighting.	3	CA-DP	SL	$102,000.00
	E11	LED building exterior lighting.	3	CA-DP	SL	$54,000.00
PLUMBING						$1,134,566.00
	P1	Add hand lavs at Preparation/Production.	2.1	CA	FXT	$5,750.00
	P2	Remove circular hand wash fountains and provide lavatories.	3	CA-DP	PLB	$129,600.00
	P3	Replace all domestic water piping (galvanized).	3	CA-DP	PLB	$927,216.00
	P4	(2/3 & 3/3) Replace (2) State Ultra-Force domestic boilers (installed in 2009, replace in 2023).	3	DRS	WTRH	$72,000.00
TECHNOLOGY						$2,875,828.40
	T1	Provide new local sound and video in Cafeteria/Gym/Theater. Staff Comment: (Gymnasium) - Audio system needs to be updated, currently have center cluster system.	2.1	CA	AV	$304,750.00
	T2	(Auditorium) - Sound control and lighting needs to be locked away from student access. Current location is ok but needs to be lockable cabinet.	2.1	CA-DP	SEC	$2,880.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T4	Provide an IP phone system (existing is analog).	2.1	CA	TECH	$266,574.60
	T5	Provide new classroom projection equipment.	3	CA	AV	$776,250.00
	T6	Provide new clock system.	3	CA	CLK	$266,574.60
	T7	Provide new intercom system.	3	CA	PA	$266,574.60
	T8	Provide new technology cabling.	3	CA	TECH	$266,574.60
	T9	Upgrade network equipment.	3	CA	TECH	$575,000.00
	T10	(Library) - Would like the projector controls out in room and would also like more graphics.	3	CA-DP	TECH	$6,900.00
FIRE & LIFE SAFETY						$1,719,030.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$8,050.00
	FL3	Replace Generac emergency generator (installed in 2014, replace in 2029).	4	DRS	EG	$69,000.00
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$463,608.00
	FL5	Provide a complete fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$741,772.80
	FL6	Provide new security camera system.	4	CA	SCM	$391,000.00
SECURITY						$190,858.20
	S1	Provide new intrusion detection system.	3	CA	SIA	$88,858.20
	S2	Provide LED parking lot lighting.	3	CA-DP	SL	$102,000.00
SPORTS						$406,525.00
	SP1	(Track/Outdoor/Athletics) - Provide new shot put pad and throwing sector and new discus pad with cage.	2.1	CA-DP	AF	$92,000.00
	SP2	(Track/Outdoor/Athletics) - Install subdrain in sand pit if not relocated.	2.1	CA-DP	AF	$8,625.00
	SP3	(Track/Outdoor/Athletics) - Relocate irrigation controller closer to football field so the field can be viewed from the controller.	2.1	CA-DP	AF	$9,200.00

HUMBLE MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP4	(Track/Outdoor/Athletics) - Regrade and add drainage to help drainage inside and outside of track, including the flooded sidewalk to the west of the track; highly needed.	2.1	CA-DP	AF	$115,000.00
	SP5	(Outdoor) - Replace D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	2.1	CA-DP	AT	$115,000.00
	SP6	(Track/Outdoor Athletic) - Provide new H-style goalpost.	3	CA-DP	AF	$20,700.00
	SP7	(Track/Outdoor/Athletics) - Provide new pole vault and long/triple jump outside of track, because existing events are part of the drainage problem within the track and they have to share the same runway.	4	CA-DP	AF	$46,000.00
NUTRITION SERVICES						$825,575.50
	NS1	Add required air screen at receiving door.	1	CA	MEQ	$1,460.50
	NS2	Rework Tray drop at Warewash to meet ADA requirements and replace galvanized dish table.	2.2	CA	MEQ	$25,990.00
	NS3	Incorporate VFDs into exhaust hoods.	2.2	CA-DP	MEQ	$57,500.00
	NS4	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.2	CA-DP	REN	$87,500.00
	NS5	Renovate and Expand to include three (3) new Serving Lines and (4) new POS at Snack Bar.	2.2	CA-DP	REN	$653,125.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$399,390.50
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$6,123,322.10
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,687,388.90
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$10,691,935.80
4	Future Consideration - (Life Expectancy: 10 + years)	$4,679,889.00
		$24,581,926.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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KINGWOOD MIDDLE SCHOOL

Kingwood
Middle School
Enter to Learn. Leave to Achieve. Plan. Prepare. Succeed!



Aerial Site Plan



2407 Pine Terrace
Kingwood, Texas 77339

ORIGINAL BUILDING COMPLETED: 1977
BUILDING AREA: 162,216 SF
SITE ACREAGE: 18.67
BUILDING CAPACITY: 1,030
CURRENT ENROLLMENT: 998
ENROLLMENT AS OF: 2016-2017

KINGWOOD MIDDLE SCHOOL

Front Door



Existing Site Plan



KINGWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,571,014.00
Priority - 2.1	$13,208,019.00
Priority - 2.2	$2,453,590.00
Priority - 3	$10,828,996.25
Priority - 4	$2,454,071.20
Priority Totals	$30,515,690.45

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$13,800.00	$0.00	$111,840.00	$0.00	$125,640.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$2,278,500.00	$0.00	$2,278,500.00
Architectural	$0.00	$285,775.00	$5,064,950.00	$2,259,600.00	$3,895,225.00	$1,135,905.20	$12,641,455.20
Mechanical	$0.00	$1,185,189.00	$3,753,372.00	$168,000.00	$492,000.00	$287,500.00	$5,886,061.00
Electrical	$0.00	$0.00	$1,887,540.00	$0.00	$600,135.00	$0.00	$2,487,675.00
Plumbing	$0.00	$51,750.00	$1,382,832.00	$0.00	$100,800.00	$54,625.00	$1,590,007.00
Technology	$0.00	$0.00	$355,550.00	$0.00	$2,096,682.88	$0.00	$2,452,232.88
Fire & Life Safety	$0.00	$0.00	$114,600.00	$0.00	$8,050.00	$691,416.00	$814,066.00
Security	$0.00	$34,500.00	$391,000.00	$0.00	$315,325.88	$0.00	$740,825.88
Sports	$0.00	$13,800.00	$244,375.00	$0.00	$41,687.50	$284,625.00	$584,487.50
Nutrition Services	$0.00	$0.00	$0.00	$25,990.00	$888,750.00	$0.00	$914,740.00
Priority Totals	$0.00	$1,571,014.00	$13,208,019.00	$2,453,590.00	$10,828,996.25	$2,454,071.20	**$30,515,690.45**

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 final scope of work will be included.

KINGWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						$125,640.00
	C1	(Outdoor) - Ponding issues near building exit to track and field; drainage needs to be addressed.	2.1	CA-DP	AF	$13,800.00
	C2	Regrade greenspace.	3	CA	SD	$12,000.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$3,840.00
	C4	Remove and replace front entrance roadway.	3	CA	SPM	$36,000.00
	C5	Remove and replace expansion joints and restripe parking lot.	3	CA	SPM	$60,000.00
BUILDING ENVELOPE						$2,278,500.00
	B1	Replace existing built-up roofs.	3	DRS	RFR	$2,175,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$46,000.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$57,500.00
ARCHITECTURAL						$12,641,455.20
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project.	1	CA-DP	DR	$277,150.00
	A2	(Art) - Add electrical disconnect for kiln.	1	CA	MEQ	$8,625.00
	A3	(Restroom) - Do not have Women's restroom in classroom areas. It was converted into a student restroom.	2.1	CA-DP	ADD	$131,250.00
	A4	Renovate boys' and girls' Locker Rooms.	2.1	CA-DP	ADD	$1,650,000.00
	A5	(Athletics Corridor) - Replace celling grid (grid sags in Corridor).	2.1	CA-DP	CLG	$15,400.00
	A6	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$615,250.00
	A7	(Classroom) - Classroom partition walls do not work, there are issues with noise. Need to insert walls to enclosed classrooms. Partitions are not coordinated with HVAC.	2.1	CA-DP	HVAC	$127,500.00
	A8	(Campus wide) - Lockers are the originals with new locksets.	2.1	CA-DP	LOC	$115,000.00
	A9	(Music Instrument Storage) - Replace existing instrument storage casework with new secure (Wenger) instrument storage system.	2.1	CA-DP	MW	$82,800.00
	A10	(Science Classrooms) - Renovate Science classrooms to bring them up to current District standards.	2.1	CA-DP	REN	$1,968,750.00
	A11	(Gymnasiums) - Basketball goals to be changed to electrical risers.	2.1	CA-DP	REN	$150,000.00
	A12	(Stage) - Replace stage curtains.	2.1	CA-DP	REN	$25,000.00
	A13	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$46,000.00
	A14	(Cafeteria) - Flooring and slab have issues. VCT has cracks and is pulling apart.	2.1	CA-DP	FLR	$138,000.00
	A15	(Shop) - Renovate existing wood/technology Shops to convert them to flexible lab spaces (new lab spaces will be divided in half to create a "clean" lab half to accommodate 24 computer work stations and a shop half for working with materials).	2.2	CA-DP	REN	$892,500.00
	A16	(Administration) - Renovate Administration area to provide adequate spaces including more conference rooms and to replace plywood partitions.	2.2	CA-DP	REN	$1,250,000.00
	A17	(Site) - Buses are not stacking which causes issues with traffic flow.	2.2	CA-DP	SPN	$105,600.00
	A18	(Library) - Servers are located in Library storage. Create an MDF room.	2.2	CA-DP	TECH	$11,500.00
	A19	(Orchestra) - Provide storefront enclosure of existing covered walkway (currently do not have a corridor or hallway that leads to Orchestra; must go outside to access).	3	CA-DP	ADD	$337,500.00

KINGWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A20	(Fine Arts Music) - Addition to bring orchestra rooms up to District standard size and renovate other music spaces.	3	CA-DP	ADD	$625,000.00
	A21	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$92,000.00
	A22	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$143,750.00
	A23	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$415,725.00
	A24	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2004 scheduled for 2019).	3	DRS	FLR	$362,250.00
	A25	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2011 scheduled for 2022).	3	DRS	PTG	$241,500.00
	A26	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$349,375.00
	A27	(Special Education) - Renovate Special Education area to bring up to current District standards (match Woodcreek MS).	3	CA-DP	REN	$437,500.00
	A28	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$890,625.00
	A29	Replace existing ceiling throughout as part of Ceiling Replacement Project.	4	CA-DP	CLG	$529,905.20
	A30	(Administration) - Provide accessible desk at reception circulation desk.	4	CA-DP	CWK	$8,625.00
	A31	(Library) - Narrow corridor in Library storage area does not have an ADA door.	4	CA-DP	DR	$8,625.00
	A32	(Fine Arts Music) - Replace all doors to Music rooms with sound rated doors.	4	CA-DP	DR	$119,600.00
	A33	Replace all marker boards campus-wide.	4	CA	MBTB	$87,400.00
	A34	(Classrooms) - Add way-finding signage at classrooms.	4	CA-DP	SGN	$13,750.00
	A35	(Outdoor) - Old tennis courts to be repurposed for miscellaneous athletic area. Consider cleaning and covering half with pre-engineered metal structure.	4	CA-DP	TC	$368,000.00
MECHANICAL						$5,886,061.00
	M1	Refurbish/replace (2) Evapco cooling tower fill (new in 2012, next fill in 2019).	1	DRS	CT	$69,000.00
	M2	Replace (2) York water cooled chillers (installed in 1997, replace in 2017). Remove chilled water storage tank.	1	DRS	HVAC	$511,200.00
	M3	Replace existing TAC and CSI DDC and pneumatic control system.	1	CA-DP	HVAC	$604,989.00
	M4	Replace chilled and hot water piping and insulation.	2.1	CA-DP	HVAC	$1,037,124.00
	M5	Replace air handling units and remove meters. Staff comments: HVAC system is old, issues with HVAC in Library.	2.1	CA-DP	HVAC	$2,074,248.00
	M6	Provide new curbs for air handling units (existing slope with pitch of roof).	2.1	CA-DP	HVAC	$162,000.00
	M7	Selected MDF/IDF HVAC unit replacement.	2.1	CA-DP	HVAC	$180,000.00
	M8	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$300,000.00
	M9	Interlock existing exhaust fans with air handling units.	2.2	CA-DP	HVAC	$78,000.00
	M10	Upgrade Locker Room ventilation.	2.2	PQI	HVAC	$90,000.00
	M11	Replace Ajax boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$384,000.00
	M12	Provide DX cooling in Administration area.	3	CA-DP	HVAC	$108,000.00
	M13	Replace (2) Evapco cooling tower (installed in 2012, replace in 2032).	4	DRS	CT	$287,500.00
ELECTRICAL						$2,487,675.00

KINGWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	E1	(Break Room) - Does not have enough power.	2.1	CA-DP	ED	$15,000.00
	E2	Provide additional receptacle branch circuits.	2.1	CA-DP	ED	$96,000.00
	E3	Provide surge suppression on main switchboard and 480/277V panels.	2.1	CA-DP	ED	$48,000.00
	E4	Replace all electrical distribution equipment (ITE).	2.1	CA-DP	ED	$1,382,832.00
	E5	Provide automatic control of interior lighting.	2.1	CA-DP	LTG	$345,708.00
	E6	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E7	Upgrade interior lighting to LED.	3	CA-DP	LTG	$432,135.00
	E8	Provide LED parking lot lighting. Principal comment: more is needed.	3	CA-DP	SL	$108,000.00
PLUMBING						$1,590,007.00
	P1	Add hand lavs at Preparation/Production.	1	CA	FXT	$51,750.00
	P2	Replace plumbing fixtures throughout building. Coordinate with architectural upgrade.	2.1	CA-DP	PLB	$518,562.00
	P3	Replace all domestic water piping (galvanized).	2.1	CA-DP	PLB	$864,270.00
	P4	Replace (2) Rheem water heaters (installed in 2010, replace in 2023).	3	DRS	WTRH	$100,800.00
	P5	(Art Room) - Provide accessible sink.	4	CA-DP	FXT	$8,625.00
	P6	(Science Rooms) - Provide accessible sinks.	4	CA-DP	FXT	$46,000.00
TECHNOLOGY						$2,452,232.88
	T1	Provide new local sound and video in Cafeteria/Gym/Theater.	2.1	CA	AV	$207,000.00
	T2	(Gymnasium) - Snack Bar outside of Gymnasium has supervision issues.	2.1	CA-DP	SEC	$4,800.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$776,250.00
	T5	Provide new clock system.	3	CA	CLK	$248,477.63
	T6	Provide new intercom system.	3	CA	PA	$248,477.63
	T7	Provide new technology cabling.	3	CA	TECH	$248,477.63
	T8	Upgrade network equipment.	3	CA	TECH	$575,000.00
FIRE & LIFE SAFETY						$814,066.00
	FL1	Replace Onan emergency generator (installed in 2004, replace in 2019). Change to 480V.	2.1	DRS	EG	$69,000.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$8,050.00
	FL4	Provide fire sprinkler system (coordinate with ceiling replacement).	4	CA-DP	FSPR	$691,416.00
SECURITY						$740,825.88
	S1	Contacts needed at all exterior doors.	1	CA	SIA	$34,500.00
	S2	Provide new IP security camera system, 2 existing systems, older technology. Principal comment: video is low quality.	2.1	CA-DP	SCM	$391,000.00
	S3	Provide new access control system.	3	CA	SCR	$172,500.00
	S4	Provide new intrusion detection system.	3	CA	SIA	$82,825.88
	S5	Provide LED building exterior lighting. Principal comment: very dark. Provide additional.	3	CA-DP	SL	$60,000.00
SPORTS						$584,487.50
	SP1	(Outdoor) - Wash-out in areas along track curb need to be filled to prevent possible injuries.	1	CA-DP	AT	$13,800.00
	SP2	(Outdoor) - Area around main entrance to track and along north side of building experience ponding; drainage issue needs to be resolved	2.1	CA-DP	AT	$34,500.00

KINGWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP3	Outdoor) - Provide new D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	2.1	CA-DP	AT	$115,000.00
	SP4	(Outdoor) - Provide new shot put pad and throwing sector and new discus pad with cage.	2.1	CA-DP	AT	$92,000.00
	SP5	(Outdoor) - Double gate to be installed at existing track main entrance and proper sidewalk to be added	2.1	CA-DP	AT	$2,875.00
	SP6	(Outdoor) - Replace perimeter 6' chain-link fence around track.	3	CA-DP	AT	$41,687.50
	SP7	(Outdoor) - Field to be regraded.	4	CA-DP	AT	$284,625.00
NUTRITION SERVICES						$914,740.00
	NS1	Renovate warewash.	2.2	CA	MEQ	$25,990.00
	NS2	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS3	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00
	NS4	Renovate and Expand ENTIRE Kitchen and Servery to include three (3) new Serving Lines and four (4) new POS at Snack Bar.	3	CA-DP	REN	$743,750.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,571,014.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$13,208,019.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,453,590.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$10,828,996.25
4	Future Consideration - (Life Expectancy: 10 + years)	$2,454,071.20
		$30,515,690.45

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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RIVERWOOD MIDDLE SCHOOL

Riverwood
Middle School
Get Hooked!



Aerial Site Plan



2910 High Valley Dr.
Kingwood, Texas 77345

ORIGINAL BUILDING COMPLETED: 1991
BUILDING AREA: 139,022 SF
SITE ACREAGE: 23.44
BUILDING CAPACITY: 1,130
CURRENT ENROLLMENT: 1,090
ENROLLMENT AS OF: 2016-2017

RIVERWOOD MIDDLE SCHOOL

Front Door



Existing Site Plan



RIVERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,697,492.90
Priority - 2.1	$6,724,288.85
Priority - 2.2	$2,486,675.00
Priority - 3	$13,437,769.80
Priority - 4	$1,938,196.60
Priority Totals	$26,284,423.15

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$151,680.00	$0.00	$151,680.00
Building Envelope	$0.00	$0.00	$2,146,000.00	$57,500.00	$2,085,000.00	$0.00	$4,288,500.00
Architectural	$0.00	$609,640.00	$2,011,350.00	$776,250.00	$4,229,008.20	$540,500.00	$8,166,748.20
Mechanical	$0.00	$1,051,892.40	$1,141,358.40	$222,000.00	$2,397,916.80	$210,000.00	$5,023,167.60
Electrical	$0.00	$0.00	$0.00	$90,000.00	$1,164,718.80	$0.00	$1,254,718.80
Plumbing	$0.00	$0.00	$51,750.00	$257,800.00	$837,582.00	$20,125.00	$1,167,257.00
Technology	$0.00	$0.00	$590,562.95	$0.00	$2,070,688.85	$0.00	$2,661,251.80
Fire & Life Safety	$0.00	$0.00	$494,100.00	$0.00	$8,050.00	$1,084,371.60	$1,586,521.60
Security	$0.00	$34,500.00	$0.00	$180,000.00	$306,437.65	$0.00	$520,937.65
Sports	$0.00	$0.00	$289,167.50	$0.00	$41,687.50	$83,200.00	$414,055.00
Nutrition Services	$0.00	$1,460.50	$0.00	$903,125.00	$145,000.00	$0.00	$1,049,585.50
Priority Totals	$0.00	$1,697,492.90	$6,724,288.85	$2,486,675.00	$13,437,769.80	$1,938,196.60	**$26,284,423.15**

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 final scope of work will be included.

RIVERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						$151,680.00
	C1	Install 12" dia 30ft long culvert.	3	CA	SD	$60,000.00
	C2	Remove and replace concrete sidewalk.	3	CA	SPM	$7,680.00
	C3	Remove and replace expansion joints and restripe parking lot.	3	CA	SPM	$84,000.00
BUILDING ENVELOPE						$4,288,500.00
	B1	Replace existing roof. (Original roof 1991, refurbished in 2006, scheduled replacement 2016, next replacement).	2.1	DRS	RFR	$2,100,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA	WS	$46,000.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$57,500.00
	B4	Replace existing roof at Addition. (Original roof 2006, scheduled replacement 2026).	3	DRS	RFR	$2,085,000.00
ARCHITECTURAL						$8,166,748.20
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$366,850.00
	A2	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$3,990.00
	A3	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A4	(Lobby) - Add secure vestibule.	1	CA-DP	SEC	$210,000.00
	A5	Renovate boys' and girls' Locker Rooms.	2.1	CA-DP	ADD	$1,650,000.00
	A6	(Band) - Instrument storage shelves are in rough condition.	2.1	CA-DP	CWK	$110,400.00
	A7	(Boys' Locker Room) - Replace lockers (high priority). This line item not required if boys and girls locker room renovations line item is approved.	2.1	CA-DP	REN	$68,750.00
	A8	(Stage) - Replace stage curtains.	2.1	CA-DP	REN	$25,000.00
	A9	(Industrial Technology Room) - Has a structural issue similar to the Band Room, they can not close the office doors.	2.1	CA-DP	STR	$15,000.00
	A10	Repair slab at Band Hall where the slab has settled (mud jack under slab to raise it up).	2.1	CA-DP	STR	$15,000.00
	A11	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$55,200.00
	A14	(Gymnasiums) - All basketball goals to be updated from manual risers to electrical risers.	2.1	CA-DP	RFM	$72,000.00
	A12	(Entrance) - Need covered canopy.	2.2	CA-DP	CNPY	$161,000.00
	A13	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.2	CA-DP	CWK	$615,250.00
	A15	(Fine Arts Music) - Addition to bring Orchestra rooms up to District standard size and renovate other music spaces.	3	CA-DP	ADD	$1,137,500.00
	A16	Replace existing ceiling throughout as part of Ceiling Replacement Project.	3	CA-DP	CLG	$598,743.20
	A17	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$66,240.00
	A18	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$103,500.00
	A19	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$550,275.00

RIVERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A20	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2012 scheduled for 2022).	3	DRS	PTG	$241,500.00
	A21	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$203,125.00
	A22	(Special Education) - Renovate Special Education area to bring up to current District standards (match Woodcreek MS).	3	CA-DP	REN	$437,500.00
	A23	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$890,625.00
	A24	(Fine Arts Music) - Replace all doors to Music rooms with sound rated doors.	4	CA-DP	DR	$87,400.00
	A25	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2012 scheduled for 2027).	4	DRS	FLR	$362,250.00
	A26	Replace all marker boards campus wide.	4	CA	MBTB	$90,850.00
MECHANICAL						$5,023,167.60
	M1	Replace (3) McQuay chillers (installed in 2003, replace in 2018). Maintenance comment: coils are bad. Remove chilled water storage tank.	1	DRS	HVAC	$468,000.00
	M2	Upgrade DDC system to remove remaining pneumatic controls.	1	CA-DP	MECH	$583,892.40
	M3	(Kitchen) - Having issues with HVAC and producing too much condensation.	2.1	CA-DP	HVAC	$24,000.00
	M4	(Computer Lab 207) - HVAC has issues, gives off a musty smell.	2.1	CA-DP	HVAC	$26,400.00
	M5	Upgrade ventilation at selected restrooms/ lockers rooms.	2.1	CA-DP	HVAC	$90,000.00
	M6	Replace chilled and heating water piping and insulation.	2.1	CA-DP	HVAC	$1,000,958.40
	M7	(Industrial Technology Room) - There is a leak at the dust collectors, and the students use the dust collectors to climb onto the roof.	2.2	CA-DP	HVAC	$42,000.00
	M8	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$180,000.00
	M9	Replace air handling units, remove meters adjacent to air handlers. Re-design system to include one zone per classroom.	3	CA	HVAC	$2,001,916.80
	M10	(1/2) Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$288,000.00
	M11	Provide DX cooling in the Administration area.	3	CA-DP	MECH	$108,000.00
	M12	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$210,000.00
ELECTRICAL						$1,254,718.80
	E1	Need lighting where people are parking in the grass during functions at school	2.2	PQI	SL	$90,000.00
	E2	(Library) - Has electrical issues with cable management.	3	CA-DP	ELE	$42,000.00
	E3	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E4	Upgrade interior lighting to LED.	3	CA-DP	LTG	$417,066.00
	E5	Provide new lighting system in Theater performance space.	3	CA	LTG	$114,000.00
	E6	Provide automatic control of interior lighting.	3	CA-DP	LTG	$333,652.80
	E7	Add lighting at front entry.	3	CA-DP	SEC	$42,000.00
	E8	LED building exterior lighting.	3	CA-DP	SL	$54,000.00
	E9	Provide LED lighting parking lot lighting.	3	CA-DP	SL	$102,000.00
PLUMBING						$1,167,257.00
	P1	Add hand lavs at Preparation/Production.	2.1	CA	FXT	$51,750.00
	P2	(Industrial Technology Room) - Need to update the sinks, the emergency eyewash drains into sink.	2.2	CA-DP	FXT	$32,200.00
	P3	Remove cylindrical wash fountains and replace with lavatories.	2.2	CA-DP	PLB	$129,600.00

RIVERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	P4	(2/2) Replace Teledyne domestic water boiler (installed in 2004, replace in 2014-2019).	2.2	DRS	WTRH	$96,000.00
	P5	(Special Services - 701) - Need a disposal at the sink, a lot of work orders as a result.	3	CA-DP	FXT	$3,450.00
	P6	Replace all domestic water piping (galvanized).	3	CA-DP	PLB	$834,132.00
	P7	(Art Room) - Need ADA sinks in classroom or workroom.	4	CA-DP	FXT	$5,750.00
	P8	(Science Room) - Need ADA sink in classroom or in prep area.	4	CA-DP	FXT	$8,625.00
	P9	(Special Services - 701) - Need an ADA sink.	4	CA-DP	FXT	$5,750.00
TECHNOLOGY						$2,661,251.80
	T1	Provide new local sound and video in Cafeteria/Gym/Theater.	2.1	CA	AV	$207,000.00
	T2	Provide an IP phone system (analog).	2.1	CA	AV	$239,812.95
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$776,250.00
	T5	Provide new clock system.	3	CA	CLK	$239,812.95
	T6	Provide new intercom system.	3	CA	PA	$239,812.95
	T7	Provide new technology cabling.	3	CA	TECH	$239,812.95
	T8	Upgrade network equipment.	3	CA	TECH	$575,000.00
FIRE & LIFE SAFETY						$1,586,521.60
	FL1	Replace Generac emergency generator (installed in 2005, replace in 2020).	2.1	DRS	EG	$57,500.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Provide new security camera system. Principal comment: Need DVR/NVR, no ability to access recorded video currently.	2.1	CA	SCM	$391,000.00
	FL4	Renew flame retardant substrate on curtain. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$8,050.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$417,066.00
	FL6	Provide a complete fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$667,305.60
SECURITY						$520,937.65
	S1	Provide door contacts at all exterior doors.	1	CA-DP	SIA	$34,500.00
	S2	Provide lighting near track and field.	2.2	PQI	SL	$180,000.00
	S3	Provide new access control system.	3	CA	SCR	$172,500.00
	S4	Provide new intrusion detection system.	3	CA	SIA	$79,937.65
	S5	Provide LED building security lighting.	3	CA-DP	SL	$54,000.00
SPORTS						$414,055.00
	SP1	(Outdoor) - Add double gate at main entrance of track and field.	2.1	CA-DP	AF	$1,725.00
	SP2	(Outdoor) - Provide new discus pad with cage and new shot put pad with two throw sectors with concrete curbs.	2.1	CA-DP	AF	$92,000.00
	SP3	(Outdoor) - Update irrigation system.	2.1	CA-DP	AF	$17,250.00
	SP4	(Outdoor) - Drainage issues inside track to be addressed, including regrading.	2.1	CA-DP	AF	$40,250.00
	SP5	(Outdoor) - Add sufficient sidewalk entrance at track and field.	2.1	CA-DP	AT	$22,942.50
	SP6	Outdoor) - Provide new D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	2.1	CA-DP	AT	$115,000.00
	SP7	(Outdoor) - Replace chain-link fence around track.	3	CA-DP	AT	$41,687.50

RIVERWOOD MIDDLE SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP8	(Outdoor) - Provide new H-style goalposts.	4	CA-DP	AF	$20,700.00
	SP9	(Outdoor) - Replace existing leaky storage shed with new storage building.	4	CA-DP	REN	$62,500.00
NUTRITION SERVICES						$1,049,585.50
	NS1	Add required air screen at Receiving door.	1	CA	MEQ	$1,460.50
	NS2	Renovate and Expand ENTIRE kitchen and Servery to include three (3) new Serving Lines and four (4) new POS at Snack Bar.	2.2	CA-DP	REN	$903,125.00
	NS3	Incorporate VFDs into exhaust hoods	3	CA-DP	MEQ	$57,500.00
	NS4	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,697,492.90
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$6,724,288.85
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,486,675.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$13,437,769.80
4	Future Consideration - (Life Expectancy: 10 + years)	$1,938,196.60
		$26,284,423.15

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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ROSS STERLING MIDDLE SCHOOL

Ross Sterling
Middle School
Kids First.



Aerial Site Plan



1131 Wilson Rd.
Humble, Texas 77338

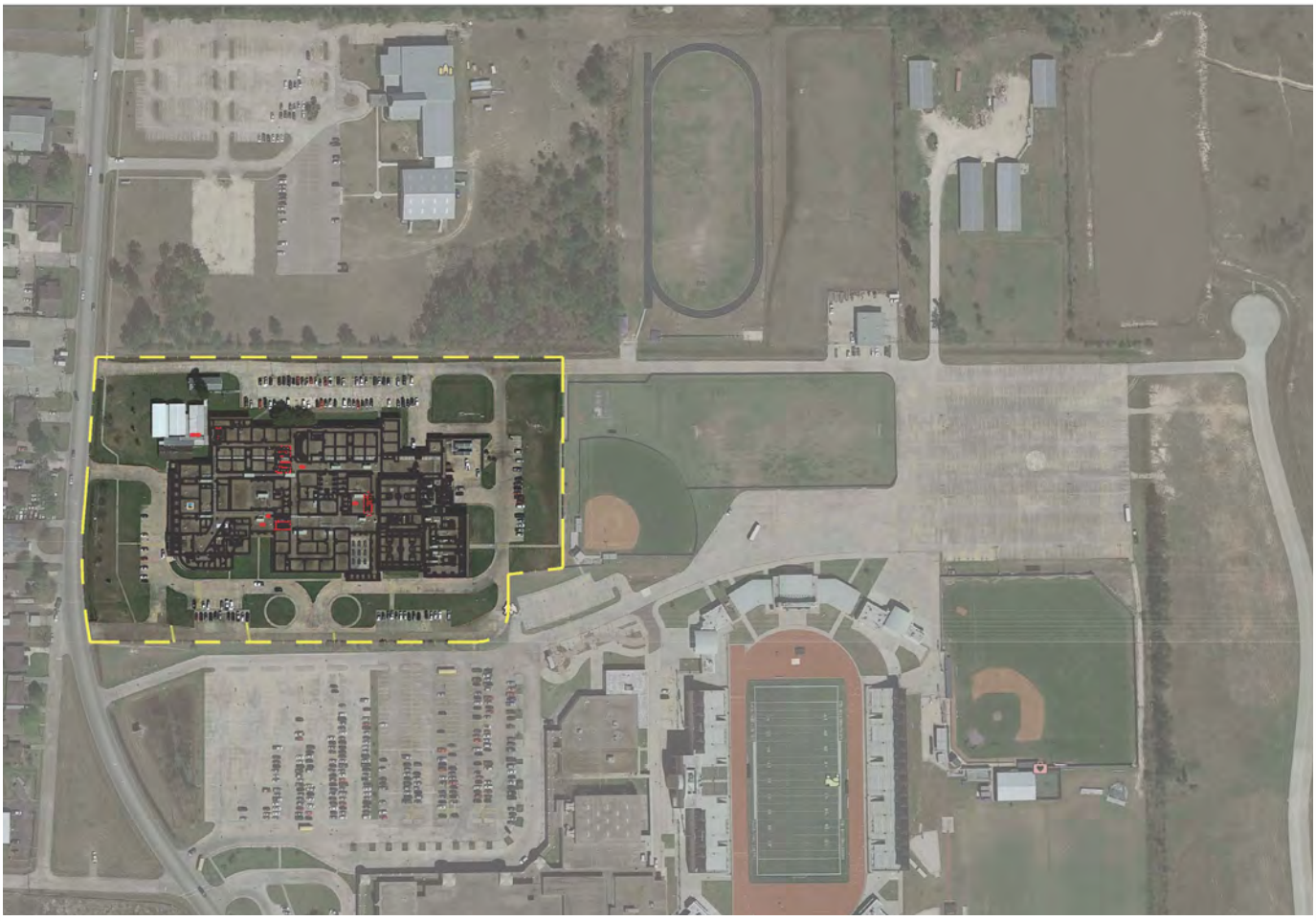
ORIGINAL BUILDING COMPLETED: 1971
BUILDING AREA: 150,527 SF
SITE ACREAGE: 12.15
BUILDING CAPACITY: 950
CURRENT ENROLLMENT: 860
ENROLLMENT AS OF: 2016-2017

ROSS STERLING MIDDLE SCHOOL

Front Door



Existing Site Plan



ROSS STERLING MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$273,150.00
Priority - 2.1	$3,778,250.70
Priority - 2.2	$6,012,616.20
Priority - 3	$12,225,161.43
Priority - 4	$4,127,860.80
Priority Totals	$26,417,039.13

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$132,300.00	$0.00	$132,300.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$2,368,500.00	$0.00	$2,368,500.00
Architectural	$0.00	$273,150.00	$2,438,475.00	$3,065,625.00	$4,864,500.00	$2,089,310.80	$12,731,060.80
Mechanical	$0.00	$0.00	$0.00	$2,742,991.20	$0.00	$1,032,000.00	$3,774,991.20
Electrical	$0.00	$0.00	$84,000.00	$114,000.00	$1,296,618.60	$0.00	$1,494,618.60
Plumbing	$0.00	$0.00	$72,000.00	$90,000.00	$549,000.00	$19,425.00	$730,425.00
Technology	$0.00	$0.00	$658,764.28	$0.00	$2,088,992.83	$0.00	$2,747,757.10
Fire & Life Safety	$0.00	$0.00	$112,300.00	$0.00	$8,050.00	$708,250.00	$828,600.00
Security	$0.00	$0.00	$81,971.43	$0.00	$226,500.00	$0.00	$308,471.43
Sports	$0.00	$0.00	$330,740.00	$0.00	$20,700.00	$278,875.00	$630,315.00
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$670,000.00	$0.00	$670,000.00
Priority Totals	$0.00	$273,150.00	$3,778,250.70	$6,012,616.20	$12,225,161.43	$4,127,860.80	**$26,417,039.13**

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 final scope of work will be included.

ROSS STERLING MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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						$132,300.00
	C1	Install concrete curb.	3	CA	SPM	$1,500.00
	C2	Remove and replace concrete paving.	3	CA	SPM	$10,800.00
	C3	Remove and replace expansion joints and restripe parking lot.	3	CA	SPM	$120,000.00
BUILDING ENVELOPE						$2,368,500.00
	B1	Replace existing built-up roofs.	3	DRS	RFR	$2,265,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$46,000.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$57,500.00
ARCHITECTURAL						$12,731,060.80
	A1	Paint all previously painted Interior, exterior and pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2007 scheduled for 2017).	1	DRS	PTG	$241,500.00
	A2	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$2,850.00
	A3	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A4	(Gymnasiums) - Replace wall pads; existing pads are showing significant wear.	2.1	CA-DP	AE	$13,800.00
	A5	(Site) - Bus Ramp is not covered and needs to have a canopy.	2.1	PQI	CNPY	$69,000.00
	A6	(Site) - Add canopy at Special Education bus area.	2.1	CA-DP	CNPY	$69,000.00
	A7	(Locker Rooms) - Replace athletic lockers.	2.1	CA-DP	LOC	$63,250.00
	A8	(Music Instrument Storage) - Replace existing instrument storage casework with new secure (Wenger) instrument storage system.	2.1	CA-DP	MW	$82,800.00
	A9	(Gymnasium) - Repaint ceiling and ducts (paint is peeling and flecks are falling down onto court).	2.1	CA-DP	REN	$25,000.00
	A10	(Stage) - Replace stage curtains.	2.1	CA-DP	REN	$25,000.00
	A11	(Classrooms) - Renovate 12 classrooms west of Gymnasia. Renovation includes replacement of partition walls with District standard wall construction and floor finishes (new walls to run to underside of roof deck).	2.1	CA-DP	REN	$1,953,125.00
	A12	(Gymnasium) - Sand and repaint/finish Gym floor.	2.1	CA-DP	REN	$37,500.00
	A14	(Gymnasiums) - Basketball goals to be changed to electrical risers.	2.1	CA-DP	REN	$100,000.00
	A13	(Administration) - Addition and renovation to administration areas to add a conference room and office space.	2.2	CA-DP	ADD	$2,203,125.00
	A14	(Shop) - Renovate existing wood/technology Shops to convert them to flexible lab spaces (new lab spaces will be divided in half to create a "clean" lab half to accommodate 24 computer work stations and a shop half for working with materials).	2.2	CA-DP	REN	$862,500.00
	A15	(Fine Arts Music) - Addition to bring Orchestra rooms up to District standard size and renovate other Music spaces.	3	CA-DP	ADD	$881,250.00
	A16	(Science Classrooms) - Add two additional science labs.	3	CA-DP	ADD	$1,650,000.00
	A17	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$615,250.00
	A18	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2007 scheduled for 2022).	3	DRS	FLR	$362,250.00
	A19	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$103,125.00

ROSS STERLING MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A20	(Special Education) - Renovate Special Education area to bring up to current District standards (match Woodcreek MS).	3	CA-DP	REN	$312,500.00
	A21	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$890,625.00
	A22	(Site) - Replace existing marquee with an LED digital marquee.	3	PQI	SGN	$49,500.00
	A23	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$547,280.80
	A24	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardwar Replacement Project.	4	CA-DP	DR	$68,080.00
	A25	(Fine Arts Music) - Replace all doors to Music rooms with sound rated doors.	4	CA-DP	DR	$92,000.00
	A26	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$106,375.00
	A27	(Fine Arts Music) - Replace all doors to music rooms with sound rated doors.	4	CA-DP	DR	$110,400.00
	A28	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project.	4	CA-DP	DR	$316,250.00
	A29	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$474,375.00
	A30	Replace all marker boards campus-wide.	4	CA	MBTB	$86,250.00
	A31	(Site) - Provide additional parking spaces on west side of the building; currently short on parking and need to expand).	4	PQI	SPN	$240,000.00
	A32	Replace existing toilet partitions throughout as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$48,300.00
MECHANICAL						$3,774,991.20
	M1	Upgrade Locker Room ventilation.	2.2	PQI	HVAC	$90,000.00
	M2	Interlock existing exhaust fans with air handling units.	2.2	CA-DP	HVAC	$78,000.00
	M3	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$180,000.00
	M4	Replace rooftop units.	2.2	CA-DP	HVAC	$2,394,991.20
	M5	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$240,000.00
	M6	(2/3 & 3/3) Replace (2) Sellers heating boilers (installed in 2007, replace in 2027 - 2032).	4	DRS	HVAC	$360,000.00
	M7	Replace (2) Trane chillers (installed in 2007, replace in 2027).	4	DRS	HVAC	$432,000.00
ELECTRICAL						$1,494,618.60
	E1	(Wood Shop) - Wall was added in Wood shop, but was turned into engineering classroom. More power is needed because the district is pushing for more robotics.	2.1	PQI	ELE	$84,000.00
	E2	Provide new lighting system in Theater performance space.	2.2	CA	LTG	$114,000.00
	E3	Replace 30% of electrical distribution equipment (older GE equipment).	3	CA-DP	ED	$412,800.00
	E4	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E5	Provide automatic control of interior lighting.	3	CA-DP	LTG	$342,141.60
	E6	Upgrade interior lighting to LED.	3	CA-DP	LTG	$427,677.00
	E7	Provide LED lighting in parking lot.	3	CA-DP	SL	$54,000.00
PLUMBING						$730,425.00
	P1	Replace pod-style water heaters.	2.1	CA-DP	PLB	$72,000.00
	P2	Provide floor drains under eyewashes in 6 classrooms.	2.2	CA-DP	PLB	$90,000.00
	P3	(Wood Shop) - Install drain in the emergency shower (does not have a drain).	3	CA-DP	PLB	$15,000.00
	P4	Replace 50% of domestic water piping (galvanized).	3	CA-DP	PLB	$426,000.00

ROSS STERLING MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	P5	(1/3) Replace P-K domestic water boiler (installed in 2007, replace in 2022).	3	DRS	WTRH	$108,000.00
	P6	(Room 403 - Science Room) - Need ADA sink.	4	CA-DP	FXT	$8,625.00
	P7	(Room 403 - Science Room) - Install drain at emergency eyewash (no drain currently).	4	CA-DP	PLB	$10,800.00
TECHNOLOGY						$2,747,757.10
	T1	Provide new local sound and video in Cafeteria/Gym/Theater.	2.1	CA	AV	$207,000.00
	T2	Provide an IP phone system (analog).	2.1	CA	AV	$245,914.28
	T3	Provide additional security cameras at portable buildings.	2.1	PQI	SCM	$24,150.00
	T4	(Room 412-413) - Need technology drops at perimeter of classroom.	2.1	PQI	TECH	$10,350.00
	T5	Provide additional data drops in Computer Labs.	2.1	CA-DP	TECH	$27,600.00
	T6	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T7	Provide new classroom projection equipment.	3	CA	AV	$776,250.00
	T8	Provide new clock system.	3	CA	CLK	$245,914.28
	T9	Provide new intercom system.	3	CA	PA	$245,914.28
	T10	Provide new technology cabling.	3	CA	TECH	$245,914.28
	T11	Upgrade network equipment.	3	CA	TECH	$575,000.00
FIRE & LIFE SAFETY						$828,600.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system at Kitchen.	2.1	CA	SCM	$66,700.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$8,050.00
	FL4	Replace emergency generator (installed in 2016, replace in 2031).	4	DRS	EG	$132,250.00
	FL5	Building is not completely sprinklered. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$576,000.00
SECURITY						$308,471.43
	S1	Provide new intrusion detection system.	2.1	CA	SIA	$81,971.43
	S2	Provide new access control system.	3	CA	SCR	$172,500.00
	S3	Provide LED building exterior lighting.	3	CA-DP	SL	$54,000.00
SPORTS						$630,315.00
	SP1	(Track/Outdoor/Athletics) - Install drainage inside of track so that the field does not drain on to the track itself. This would protect the track surface.	2.1	CA-DP	AF	$66,240.00
	SP2	(Track/Outdoor/Athletics) - Provide new shot put, in lieu of kids having to go to the high school to throw.	2.1	CA-DP	AF	$40,250.00
	SP3	(Track/Outdoor/Athletics) - Provide new outdoor metal storage building to replace the existing portable shed.	2.1	CA-DP	AF	$57,500.00
	SP4	(Outdoor) - Provide new D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	2.1	CA-DP	AT	$115,000.00
	SP5	(Track/Outdoor/Athletics) - Provide new discus pad and cage, in lieu of kids having to go to the high school to throw.	2.1	CA-DP	AT	$51,750.00
	SP6	(Track/Outdoor/Athletics) - Replace the goalposts-low priority.	3	CA-DP	AF	$20,700.00
	SP7	(Track/Outdoor/Athletics) - Strip, regrade, and resod field; low priority since they do not play games on this field. Crown is worn down due to use and the Bermuda grass is nearly completely taken over by foreign grasses, weeds, and clover. Can be improve	4	CA-DP	AF	$278,875.00
NUTRITION SERVICES						$670,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00

ROSS STERLING MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00
	NS3	Renovate and expand to include (3) new Serving Lines and (4) new POS at Snack Bar.	3	CA-DP	REN	$525,000.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$273,150.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$3,778,250.70
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$6,012,616.20
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$12,225,161.43
4	Future Consideration - (Life Expectancy: 10 + years)	$4,127,860.80
		$26,417,039.13

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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TIMBERWOOD MIDDLE SCHOOL

Timberwood
Middle School
Panther Pride



Aerial Site Plan



18450 Timber Forest Dr.
Humble, TX 77346

ORIGINAL BUILDING COMPLETED: 1998
BUILDING AREA: 160,634 SF
SITE ACREAGE: 23.81
BUILDING CAPACITY: 1,110
CURRENT ENROLLMENT: 1,529
ENROLLMENT AS OF: 2016-2017

TIMBERWOOD MIDDLE SCHOOL

Front Door



Existing Site Plan



TIMBERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,724,435.60
Priority - 2.1	$3,413,506.25
Priority - 2.2	$1,586,700.00
Priority - 3	$6,971,812.50
Priority - 4	$6,230,621.00
Priority Totals	$19,927,075.35

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$94,800.00	$0.00	$94,800.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$103,500.00	$2,400,000.00	$2,503,500.00
Architectural	$0.00	$656,480.00	$2,509,000.00	$787,500.00	$2,987,105.00	$2,104,291.20	$9,044,376.20
Mechanical	$0.00	$1,067,955.60	$0.00	$534,000.00	$288,000.00	$0.00	$1,889,955.60
Electrical	$0.00	$0.00	$0.00	$114,000.00	$766,254.00	$0.00	$880,254.00
Plumbing	$0.00	$0.00	$51,750.00	$151,200.00	$100,800.00	$0.00	$303,750.00
Technology	$0.00	$0.00	$350,750.00	$0.00	$2,155,538.15	$0.00	$2,506,288.15
Fire & Life Safety	$0.00	$0.00	$45,600.00	$0.00	$8,050.00	$1,010,854.80	$1,064,504.80
Security	$0.00	$0.00	$0.00	$0.00	$141,065.35	$0.00	$141,065.35
Sports	$0.00	$0.00	$456,406.25	$0.00	$181,700.00	$274,850.00	$912,956.25
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$440,625.00	$585,625.00
Priority Totals	$0.00	$1,724,435.60	$3,413,506.25	$1,586,700.00	$6,971,812.50	$6,230,621.00	**$19,927,075.35**

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 final scope of work will be included.

TIMBERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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						$94,800.00
	C1	Remove and replace concrete sidewalk.	3	CA	SPM	$4,800.00
	C2	Remove and replace expansion joints and restripe parking lot.	3	CA	SPM	$90,000.00
BUILDING ENVELOPE						$2,503,500.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$46,000.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$57,500.00
	B3	Replace existing roof. (Original 1998, roof overlay 2014, scheduled replacement 2034.)	4	DRS	RFR	$2,400,000.00
ARCHITECTURAL						$9,044,376.20
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$361,100.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2008 scheduled for 2018).	1	DRS	PTG	$241,500.00
	A3	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$2,280.00
	A4	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A5	(Special Education) - Upgrade shower to make accessible.	1	CA-DP	SWR	$22,800.00
	A6	Renovate boys' and girls' Locker Rooms.	2.1	CA-DP	ADD	$1,718,750.00
	A7	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$615,250.00
	A8	(Stage) - Replace stage curtains.	2.1	CA-DP	REN	$25,000.00
	A9	(Gymnasiums) - Basketball goals to be changed to electrical risers.	2.1	CA-DP	REN	$150,000.00
	A10	(Shop) - Renovate existing wood/technology Shops to convert them to flexible lab spaces (new lab spaces will be divided in half to create a "clean" lab half to accommodate 24 computer work stations and a shop half for working with materials).	2.2	CA-DP	REN	$787,500.00
	A11	(Fine Arts Music) - Addition to bring Orchestra rooms up to District standard size and renovate other music spaces.	3	CA-DP	ADD	$787,500.00
	A12	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$68,080.00
	A13	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$106,375.00
	A14	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$541,650.00
	A15	Renovate existing computer labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$156,250.00
	A16	(Special Education) - Renovate Special Education area to bring up to current District standards (match Woodcreek MS).	3	CA-DP	REN	$390,625.00
	A17	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$890,625.00
	A18	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	3	CA-DP	TP	$46,000.00
	A19	Replace existing ceiling throughout as part of Ceiling Replacement Project.	4	CA-DP	CLG	$536,791.20

TIMBERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	A20	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 1998 (NEW) scheduled for 2013, replaced in 2016, next replacement will be when????).	4	DRS	FLR	$362,250.00
	A21	Replace all marker boards campus-wide.	4	CA	MBTB	$86,250.00
	A22	(Administration) - Renovate Teacher Work Rooms and Conference Rooms including MEP updates.	4	CA-DP	REN	$975,000.00
	A23	(Site) - Provide new parking space (current space is overcrowded; only 86 spaces for 150 employees).	4	CA-DP	SPN	$144,000.00
MECHANICAL						$1,889,955.60
	M1	Replace (2) Carrier air cooled chillers (installed in 1998, replace in 2018). Remove chilled water storage tank.	1	DRS	HVAC	$432,000.00
	M2	Provide new DDC control system. Existing is Open Tech/ Alerton. Issues with software.	1	CA-DP	HVAC	$635,955.60
	M3	Upgrade Locker Room ventilation.	2.2	PQI	HVAC	$90,000.00
	M4	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$156,000.00
	M5	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$180,000.00
	M6	Provide DX cooling in Administration area.	2.2	CA-DP	MECH	$108,000.00
	M7	Replace ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$288,000.00
ELECTRICAL						$880,254.00
	E1	Provide new lighting system in Theater performance space.	2.2	CA	LTG	$114,000.00
	E2	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$454,254.00
	E4	Provide LED house lighting in Theater.	3	CA-DP	LTG	$120,000.00
	E5	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E6	Provide LED lighting in parking lots. Principal comment: could use more lighting in front and on sides.	3	PQI	SL	$84,000.00
PLUMBING						$303,750.00
	P1	Add hand lavs at Preparation/Production.	2.1	CA	FXT	$51,750.00
	P2	Remove cylindrical wash fountains and replace with lavatories.	2.2	CA-DP	PLB	$151,200.00
	P3	Replace (2) Rheem water heaters (installed in 2010, replace in 2023).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$2,506,288.15
	T1	Provide new local sound and video in Cafeteria/Gym/Theater. No sound system currently in Theater.	2.1	CA	AV	$207,000.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T3	(Corridors) - Need sound system for displays in corridors.	3	CA-DP	AV	$20,700.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$776,250.00
	T5	Provide new clock system.	3	CA	CLK	$261,196.05
	T6	Provide new intercom system.	3	CA	PA	$261,196.05
	T7	Provide new technology cabling.	3	CA	TECH	$261,196.05
	T8	Upgrade network equipment.	3	CA	TECH	$575,000.00
FIRE & LIFE SAFETY						$1,064,504.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$8,050.00
	FL3	Replace emergency generator (installed in 2016, replace in 2031).	4	DRS	EG	$74,750.00

TIMBERWOOD MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$545,104.80
	FL5	Provide new security camera system.	4	CA	SCM	$391,000.00
SECURITY						$141,065.35
	S1	Provide new intrusion detection system.	3	CA	SIA	$87,065.35
	S2	Provide LED building exterior lighting. Principal comment: need more lighting in the front in particular.	3	CA-DP	SL	$54,000.00
SPORTS						$912,956.25
	SP1	(Outdoor) - Possible damaged pipe underneath high jump apron; needs addressed, high priority.	2.1	CA-DP	AT	$34,500.00
	SP2	(Outdoor) - Provide D-zone high jump apron with synthetic track surface.	2.1	CA-DP	AT	$35,103.75
	SP3	(Outdoor) - Update storm system within track. Areas along long jump and pole vault do not drain.	2.1	CA-DP	AT	$69,000.00
	SP4	(Outdoor) - Provide new discus pad with netting cage and shot put pad with throw sector with concrete curbs.	2.1	CA-DP	AT	$92,000.00
	SP5	(Athletics) - Add locker space (not enough locker space currently).	2.1	CA-DP	LOC	$75,900.00
	SP6	(Athletics - Physical Education) - Lockers are in bad shape and need to be replaced.	2.1	CA-DP	LOC	$149,902.50
	SP7	(Outdoor) - Replace D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	3	CA-DP	AT	$115,000.00
	SP8	(Outdoor) - Provide new H-style goalposts.	3	CA-DP	AT	$20,700.00
	SP9	(Outdoor) - Relocate long/triple jump and pole vault outside of track and field.	3	CA-DP	AT	$46,000.00
	SP10	(Outdoor) - Field is very flat, need to regrade and resod.	4	CA-DP	AT	$274,850.00
NUTRITION SERVICES						$585,625.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00
	NS3	Renovate and expand to include (3) new serving lines and (4) new POS at Snack Bar.	4	CA-DP	REN	$440,625.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,724,435.60
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$3,413,506.25
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$1,586,700.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$6,971,812.50
4	Future Consideration - (Life Expectancy: 10 + years)	$6,230,621.00
		$19,927,075.35

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

WOODCREEK MIDDLE SCHOOL

Woodcreek
Middle School
A Quest for Excellence!



Aerial Site Plan



14600 Woodson Park Dr.
Houston, TX 77044

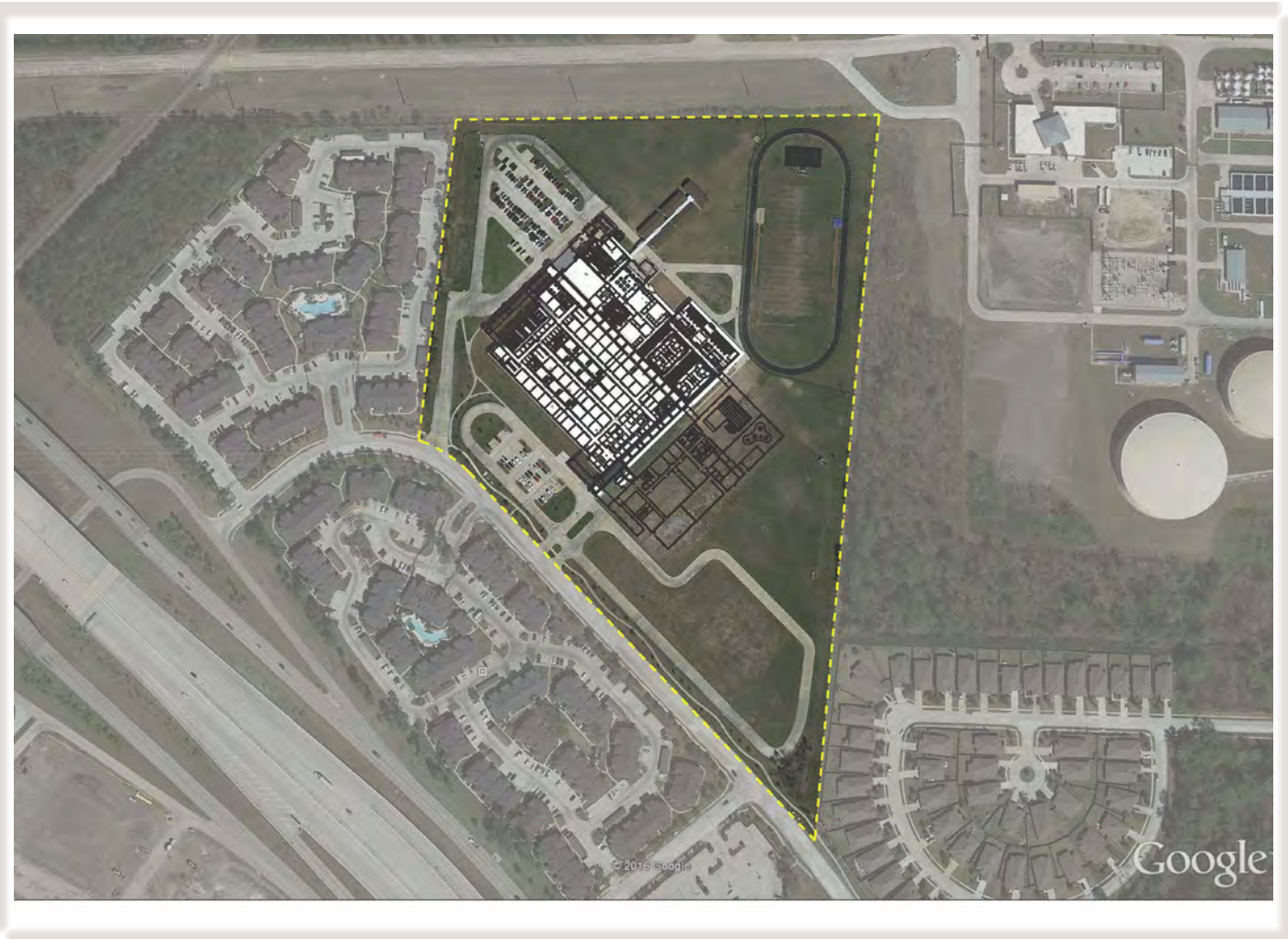
ORIGINAL BUILDING COMPLETED: 2010
BUILDING AREA: 186,935 SF
SITE ACREAGE: 29.50
BUILDING CAPACITY: 1,110
CURRENT ENROLLMENT: 1,556
ENROLLMENT AS OF: 2016-2017

WOODCREEK MIDDLE SCHOOL

Front Door



Existing Site Plan



WOODCREEK MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$398,500.00
Priority - 2.1	$1,538,198.75
Priority - 2.2	$1,514,125.00
Priority - 3	$6,313,417.50
Priority - 4	$6,582,959.25
Priority Totals	$16,347,200.50

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$12,000.00	$150,000.00	$0.00	$162,000.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$103,500.00	$2,625,000.00	$2,728,500.00
Architectural	$0.00	$398,500.00	$386,500.00	$1,035,625.00	$3,197,890.00	$1,049,300.00	$6,067,815.00
Mechanical	$0.00	$0.00	$0.00	$180,000.00	$192,000.00	$792,000.00	$1,164,000.00
Electrical	$0.00	$0.00	$0.00	$114,000.00	$693,765.00	$0.00	$807,765.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$100,800.00	$0.00	$100,800.00
Technology	$0.00	$0.00	$405,375.00	$0.00	$1,351,250.00	$927,644.63	$2,684,269.63
Fire & Life Safety	$0.00	$0.00	$444,650.00	$0.00	$172,500.00	$645,318.00	$1,262,468.00
Security	$0.00	$0.00	$0.00	$172,500.00	$0.00	$103,071.63	$275,571.63
Sports	$0.00	$0.00	$301,673.75	$0.00	$206,712.50	$0.00	$508,386.25
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$440,625.00	$585,625.00
Priority Totals	$0.00	$398,500.00	$1,538,198.75	$1,514,125.00	$6,313,417.50	$6,582,959.25	**$16,347,200.50**

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 final scope of work will be included.

WOODCREEK MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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						$162,000.00
	C1	Add walkway by the back gate near the T-buildings for students to walk.	2.2	DRS	SPN	$12,000.00
	C2	Remove and replace expansion joints and restripe parking lot.	3	CA	SPM	$150,000.00
BUILDING ENVELOPE						$2,728,500.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA-DP	WS	$46,000.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$57,500.00
	B3	Replace existing roof. (Original 2010, scheduled replacement 2030).	4	DRS	RFR	$2,625,000.00
ARCHITECTURAL						$6,067,815.00
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$366,850.00
	A2	(Entrance) - Add bullet resistant film to main entry glazing (add to exterior glazing only).	1	CA-DP	SEC	$2,850.00
	A3	(Entrance) - Add security access system to exterior main entry doors (add camera with access control system).	1	CA-DP	SEC	$28,800.00
	A4	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2010 scheduled for 2020).	2.1	DRS	PTG	$241,500.00
	A5	(Stage) - Replace stage curtains.	2.1	CA-DP	REN	$25,000.00
	A6	(Gymnasiums) - Basketball goals to be changed to electrical risers.	2.1	CA-DP	REN	$120,000.00
	A7	(Girls' Locker Room) - Provide additional lockers.	2.2	CA-DP	REN	$9,375.00
	A8	(Girls' Locker Room) - Add storage space.	2.2	CA-DP	REN	$218,750.00
	A9	(Shop) Renovate existing wood/technology Shops to convert them to flexible lab spaces (new lab spaces will be divided in half to create a "clean" lab half to accommodate 24 computer work stations and a shop half for working with materials).	2.2	CA-DP	REN	$787,500.00
	A10	(Boys' Locker Room) - Provide additional lockers.	2.2	CA-DP	REN	$9,375.00
	A11	(Girls' Locker Room) - Provide ice machine in laundry room for girls access, currently in boy's Locker Room.	2.2	CA-DP	REN	$10,625.00
	A12	Expand Dry Storage /Pot Storage to 300 Sq ft.	3	CA-DP	ADD	$150,000.00
	A13	(Fine Arts Music) - Addition to bring Orchestra rooms up to District standard size and renovate other Music spaces.	3	CA-DP	ADD	$668,750.00
	A14	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$66,240.00
	A15	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$103,500.00
	A16	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$550,275.00
	A17	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2010 scheduled for 2025).	3	DRS	FLR	$362,250.00
	A18	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$546,875.00
	A19	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$750,000.00
	A20	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$615,250.00

WOODCREEK MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	A21	Replace all marker boards campus-wide.	4	CA	MBTB	$90,850.00
	A22	(Site) - Provide additional parking. School is 6 years old and has outgrown parking area.	4	CA-DP	SPN	$288,000.00
	A23	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$55,200.00
MECHANICAL						$1,164,000.00
	M1	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$180,000.00
	M2	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$192,000.00
	M3	Replace (2) Sellers heating boilers (installed in 2009, replace in 2029-2034).	4	DRS	HVAC	$360,000.00
	M4	Replace (2) York air cooled chillers (installed in 2010, replace in 2030).	4	DRS	HVAC	$432,000.00
ELECTRICAL						$807,765.00
	E1	Provide new lighting system in Theater performance space.	2.2	CA	LTG	$114,000.00
	E2	(Art Room) - Add overhead power drops at each Art room.	3	CA-DP	ELE	$60,000.00
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$537,765.00
	E4	LED building exterior lighting.	3	CA-DP	SL	$42,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$54,000.00
PLUMBING						$100,800.00
	P1	Replace (2) State water heaters (installed in 2011, replace in 2024).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$2,684,269.63
	T1	Provide new local sound and video in Cafeteria/Gym/Theater.	2.1	CA	AV	$261,625.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$143,750.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$776,250.00
	T4	Upgrade network equipment.	3	CA	TECH	$575,000.00
	T5	Provide new clock system.	4	CA	CLK	$309,214.88
	T6	Provide new intercom system.	4	CA	PA	$309,214.88
	T7	Provide new technology cabling.	4	CA	TECH	$309,214.88
FIRE & LIFE SAFETY						$1,262,468.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Renew curtain flame retardant substrate. Last replaced in 2009, next renewal in 2019.	2.1	DRS	MEQ	$8,050.00
	FL3	Provide new security camera system. Principal comment: does not perform adequately.	2.1	CA	SCM	$391,000.00
	FL4	Replace Cummins emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$172,500.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$645,318.00
SECURITY						$275,571.63
	S1	Provide new access control system.	2.2	CA	SCR	$172,500.00
	S2	Provide new intrusion detection system.	4	CA	SIA	$103,071.63
SPORTS						$508,386.25
	SP1	(Outdoor) - Sidewalk needs to be added at entrance of track.	2.1	CA-DP	AF	$690.00
	SP2	(Outdoor) - Provide new discus pad and netting cage (safety) and new shot put sector with concrete curbs adjacent to existing pad.	2.1	CA-DP	AF	$92,000.00
	SP3	(Outdoor) - Provide D-zone high jump apron with synthetic track surface.	2.1	CA-DP	AT	$35,103.75
	SP4	(Outdoor) - Track needs to be resurfaced with sealed structural spray; high priority.	2.1	CA-DP	AT	$127,880.00

WOODCREEK MIDDLE SCHOOL

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

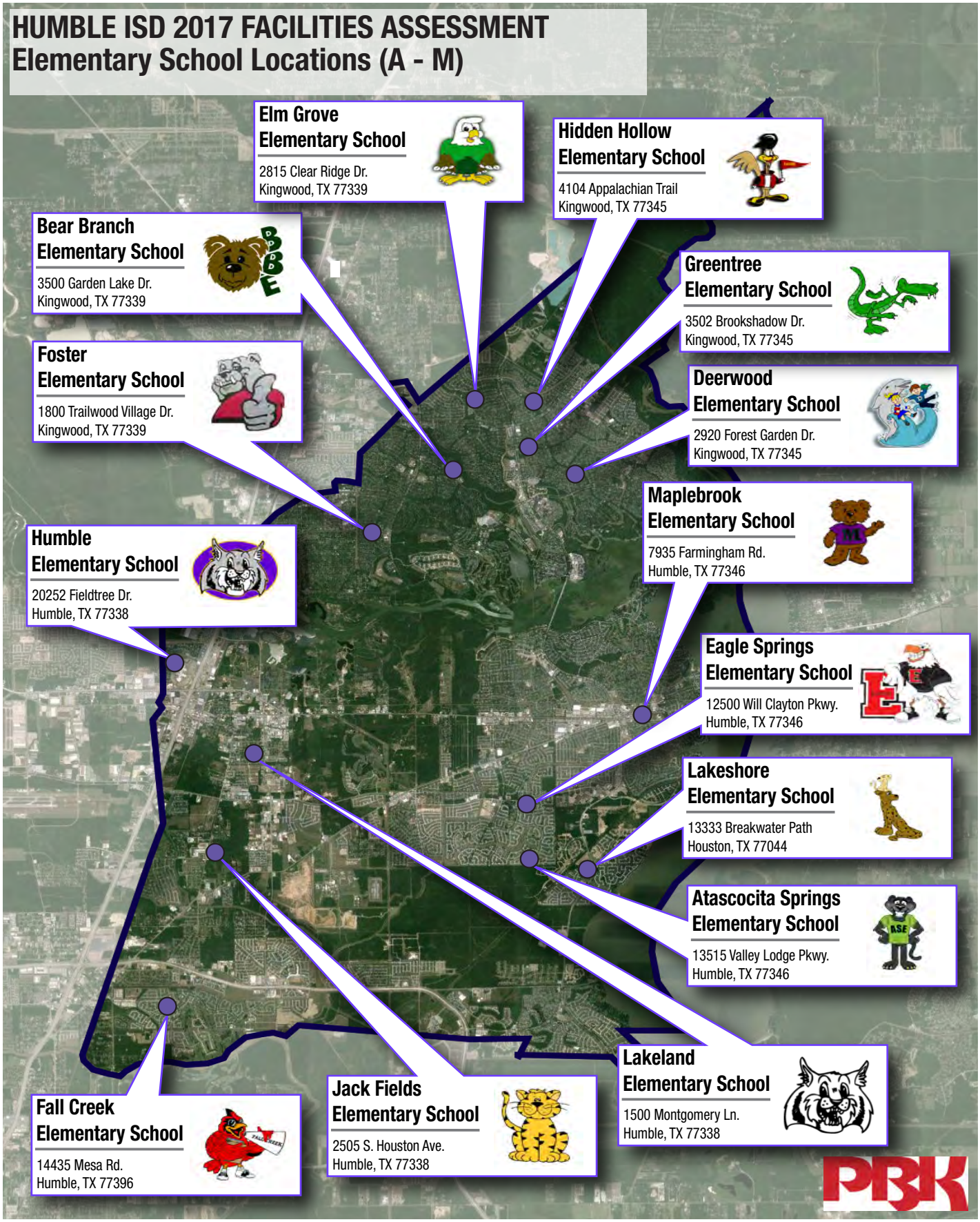
DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	SP5	(Outdoor) - Update storm sewer system within track.	2.1	CA-DP	AT	$46,000.00
	SP6	(Outdoor) - Provide new H-style goalposts.	3	CA-DP	AT	$20,700.00
	SP7	(Outdoor) - Replace existing track fencing.	3	CA-DP	AT	$25,012.50
	SP8	(Outdoor) - Long/triple jump and pole vault to be relocated outside of track.	3	CA-DP	AT	$46,000.00
	SP9	(Outdoor) - Replace D-zone high jump apron with synthetic track surface (trapezoidal shaped adjacent to track curb).	3	CA-DP	AT	$115,000.00
NUTRITION SERVICES						$585,625.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00
	NS3	Renovate and Expand to include four (4) new POS at Snack Bar.	4	CA-DP	REN	$440,625.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$398,500.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,538,198.75
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$1,514,125.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$6,313,417.50
4	Future Consideration - (Life Expectancy: 10 + years)	$6,582,959.25
		$16,347,200.50

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

ELEMENTARY SCHOOLS



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ELEMENTARY SCHOOLS

HUMBLE ISD 2017 FACILITIES ASSESSMENT
Elementary School Locations (N - Z)

Oaks Elementary School
5858 Upper Lake Dr.
Humble, TX 77346

Shadow Forest Elementary School
2300 Mills Branch Dr.
Kingwood, TX 77345

Woodland Hills Elementary School
2222 Tree Lane
Kingwood, TX 77339

Willow Creek Elementary School
2002 Willow Terrace
Kingwood, TX 77345

Timbers Elementary School
6910 Lonesome Woods
Humble, TX 77346

Pine Forest Elementary School
19702 W. Lake Houston Pkwy
Humble, TX 77346

Whispering Pines Elementary School
17321 Woodland Hills
Humble, TX 77339

River Pines Elementary School
2400 Cold River Dr.
Humble, TX 77396

Oak Forest Elementary School
6400 Kingwood Glen
Humble, TX 77346

Ridge Creek Elementary School
15201 Woodland Hills Dr.
Humble, TX 77396

Summerwood Elementary School
14000 Summerwood Lakes
Houston, TX 77044

North Belt Elementary School
8105 E North Belt Dr.
Humble, TX 77396

Park Lakes Elementary School
4400 Wilson Rd.
Humble, TX 77396

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ATASCOCITA SPRINGS ELEMENTARY SCHOOL

Atascocita Springs
Elementary
Where YOU Matter!



Aerial Site Plan



13515 Valley Lodge Pkwy
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 2010
BUILDING AREA: 120,605 SF
SITE ACREAGE: 13.12
BUILDING CAPACITY: 950
CURRENT ENROLLMENT: 1,183
ENROLLMENT AS OF: 2016-2017

ATASCOCITA SPRINGS ELEMENTARY SCHOOL

Front Door



Existing Site Plan



ATASCOCITA SPRINGS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$217,350.00
Priority - 2.1	$621,750.00
Priority - 3	$2,967,510.00
Priority - 4	$4,979,206.55
Priority Totals	$8,785,816.55

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$8,400.00	$0.00	$8,400.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$0.00	$1,077,750.00	$1,077,750.00
Architectural	$0.00	$217,350.00	$166,750.00	$0.00	$614,125.00	$1,465,135.80	$2,463,360.80
Mechanical	$0.00	$0.00	$0.00	$0.00	$560,000.00	$944,500.00	$1,504,500.00
Electrical	$0.00	$0.00	$0.00	$0.00	$540,135.00	$0.00	$540,135.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$151,200.00	$0.00	$151,200.00
Technology	$0.00	$0.00	$86,250.00	$0.00	$944,150.00	$745,432.88	$1,775,832.88
Fire & Life Safety	$0.00	$0.00	$368,750.00	$0.00	$149,500.00	$518,562.00	$1,036,812.00
Security	$0.00	$0.00	$0.00	$0.00	$0.00	$82,825.88	$82,825.88
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$0.00	$145,000.00	$145,000.00
Priority Totals	$0.00	$217,350.00	$621,750.00	$0.00	$2,967,510.00	$4,979,206.55	**$8,785,816.55**

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 final scope of work will be included.

ATASCOCITA SPRINGS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$8,400.00
	C1	Pavement marking resurface.	3	CA	SPM	$3,600.00
	C2	Remove and replace concrete sidewalk.	3	CA	SPM	$4,800.00
BUILDING ENVELOPE						$1,077,750.00
	B1	Replace existing roof. (Original roof 2010, scheduled replacement 2030).	4	DRS	RFR	$1,077,750.00
ARCHITECTURAL						$2,463,360.80
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$217,350.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2010 scheduled for 2020).	2.1	DRS	PTG	$166,750.00
	A3	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2010 scheduled for 2025).	3	DRS	FLR	$304,750.00
	A4	(Art)- Add a kiln to an existing storage room adjacent to existing art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A5	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$296,875.00
	A6	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$422,100.80
	A7	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$402,500.00
	A8	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$326,025.00
	A9	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$62,560.00
	A10	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$97,750.00
	A11	Replace all marker boards campus-wide.	4	CA	MBTB	$75,900.00
	A12	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A13	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$48,300.00
MECHANICAL						$1,504,500.00
	M1	Refurbish/replace cooling tower fill (next fill due 2017).	3	DRS	CT	$92,000.00
	M2	Replace (2) P-K heating boilers (installed in 2010, replace in 2025).	3	DRS	HVAC	$360,000.00
	M3	Provide DX cooling in Administration area.	3	CA-DP	MECH	$108,000.00
	M4	Replace 2-cell Evapco cooling tower (installed in 2010, replace in 2030).	4	DRS	CT	$356,500.00
	M5	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$168,000.00
	M6	Replace (2) York water cooled chillers (installed 2010, replace in 2030).	4	DRS	HVAC	$420,000.00
ELECTRICAL						$540,135.00
	E1	Upgrade theatrical lighting in Cafeteria/Gym.	3	CA	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$432,135.00
	E3	LED building exterior lighting.	3	CA-DP	SL	$42,000.00
PLUMBING						$151,200.00
	P1	Replace (3) Noritz tankless domestic water heaters (installed 2010, replace 2020).	3	DRS	WTRH	$151,200.00

ATASCOCITA SPRINGS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
TECHNOLOGY						$1,775,832.88
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T2	Provide new local sound and video in Cafeteria/Gym.	3	CA	AV	$75,900.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Upgrade network equipment.	3	CA	TECH	$345,000.00
	T5	Provide new clock system.	4	CA	CLK	$248,477.63
	T6	Provide new intercom system.	4	CA	PA	$248,477.63
	T7	Provide new technology cabling.	4	CA	TECH	$248,477.63
FIRE & LIFE SAFETY						$1,036,812.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Renew curtain flame retardant substrate. Last replaced in 2010, next renewal in 2020.	2.1	DRS	MEQ	$6,900.00
	FL3	Provide new security camera system.	2.1	CA	SCM	$316,250.00
	FL4	Replace Generac emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$149,500.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$518,562.00
SECURITY						$82,825.88
	S1	Provide new intrusion detection system.	4	CA	SIA	$82,825.88
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	4	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	4	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$217,350.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$621,750.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$2,967,510.00
4	Future Consideration - (Life Expectancy: 10 + years)	$4,979,206.55
		$8,785,816.55

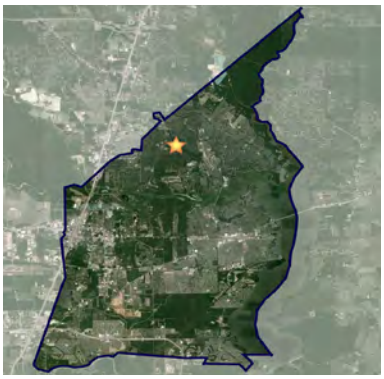
CODE	PRIORITY DESCRIPTION	TOTAL
NA	Not Applicable: These assessment items are not counted in the standard report totals as they are associated with New Construction / Major Project "MP" line items (listed for reference only).	$0.00

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 final scope of work will be included.

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BEAR BRANCH ELEMENTARY SCHOOL

Bear Branch
Elementary
Preparing students to succeed as lifelong learners!



Aerial Site Plan



3500 Garden Lake Dr.
Kingwood, Texas 77339

ORIGINAL BUILDING COMPLETED: 1978
BUILDING AREA: 67,027 SF
SITE ACREAGE: 10.16
BUILDING CAPACITY: 650
CURRENT ENROLLMENT: 573
ENROLLMENT AS OF: 2016-2017

BEAR BRANCH ELEMENTARY SCHOOL

Front Door



Existing Site Plan



BEAR BRANCH ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$374,450.00
Priority - 2.1	$2,011,367.58
Priority - 2.2	$2,196,317.60
Priority - 3	$11,877,086.75
Priority - 4	$1,002,829.40
Priority Totals	$17,462,051.33

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$435,000.00	$0.00	$435,000.00
Building Envelope	$0.00	$0.00	$135,900.00	$0.00	$837,500.00	$0.00	$973,400.00
Architectural	$0.00	$164,450.00	$484,840.00	$1,375,000.00	$8,330,812.50	$766,370.60	$11,121,473.10
Mechanical	$0.00	$210,000.00	$1,145,474.40	$610,317.60	$180,000.00	$0.00	$2,145,792.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$480,688.20	$0.00	$546,688.20
Plumbing	$0.00	$0.00	$0.00	$0.00	$337,258.80	$0.00	$337,258.80
Technology	$0.00	$0.00	$199,553.18	$0.00	$1,208,159.53	$0.00	$1,407,712.70
Fire & Life Safety	$0.00	$0.00	$45,600.00	$0.00	$29,900.00	$236,458.80	$311,958.80
Security	$0.00	$0.00	$0.00	$0.00	$37,767.73	$0.00	$37,767.73
Nutrition Services	$0.00	$0.00	$0.00	$145,000.00	$0.00	$0.00	$145,000.00
Priority Totals	$0.00	$374,450.00	$2,011,367.58	$2,196,317.60	$11,877,086.75	$1,002,829.40	**$17,462,051.33**

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 final scope of work will be included.

BEAR BRANCH ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$435,000.00
	C1	Repair and regrade storm line.	3	CA	SD	$18,000.00
	C2	Install storm inlet.	3	CA	SD	$42,000.00
	C3	Install storm pipe.	3	CA	SD	$180,000.00
	C4	Hydromulch.	3	CA	SPM	$3,000.00
	C5	Remove and replace concrete sidewalk.	3	CA	SPM	$48,000.00
	C6	Remove and replace asphalt.	3	CA	SPM	$144,000.00
BUILDING ENVELOPE						$973,400.00
	B1	Replace existing built-up roof at front entry. (Original roof 2000, scheduled replacement 2020).	2.1	DRS	RFR	$135,900.00
	B2	Replace existing modified bitumen roofs. (Last replacement 2006, scheduled replacement 2026).	3	DRS	RFR	$780,000.00
	B3	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA-DP	WS	$28,750.00
	B4	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA-DP	WS	$28,750.00
ARCHITECTURAL						$11,121,473.10
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$164,450.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1997/2004 scheduled for 2029).	2.1	DRS	FLR	$304,750.00
	A3	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$85,050.00
	A4	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A5	Renovate and expand Kitchen and servery. Increase square footage to 2,900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Currently has (1) manufactured in 2013 which can be reused/relocated. . Add required air screen at receiving door. Tray drop at warewash is not ADA.	2.2	CA-DP	ADD	$1,375,000.00
	A6	(Special Education) Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A7	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,336,687.50
	A8	(Specialty Instruction) - Addition to include District standard art room and science room.	3	UNIF	ADD	$3,500,000.00
	A9	Add reception desk at Administration area.	3	CA-DP	CWK	$6,900.00
	A10	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A11	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$381,600.00
	A12	(Art) - Add a kiln to an existing storage room adjacent to existing Art room. (Includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A13	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$265,625.00

BEAR BRANCH ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$562,500.00
	A15	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$244,745.60
	A16	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$246,675.00
	A17	Replace all marker boards campus-wide.	4	CA	MBTB	$54,050.00
	A18	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A19	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A20	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$29,900.00
MECHANICAL						$2,145,792.00
	M1	Replace Carrier air cooled chiller (installed in 1999, replace in 2014). Consider redundancy. Remove chilled water storage tank.	1	DRS	HVAC	$210,000.00
	M2	Interlock exhaust fans with air handling units.	2.1	CA-DP	HVAC	$42,000.00
	M3	Replace rooftop units.	2.1	CA	HVAC	$1,103,474.40
	M4	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M5	Replace 50% of roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$92,400.00
	M6	Replace chilled and heating water piping and insulation.	2.2	CA	HVAC	$472,917.60
	M7	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
ELECTRICAL						$546,688.20
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Provide automatic control of interior lighting.	3	CA	LTG	$157,639.20
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$197,049.00
	E4	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$337,258.80
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$236,458.80
	P2	Replace (2) Rheem water heaters (installed in 2013, replace in 2026).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,407,712.70
	T1	Provide IP phone system.	2.1	CA	AV	$113,303.18
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new clock system.	3	CA	CLK	$113,303.18
	T5	Provide new intercom system.	3	CA	PA	$113,303.18
	T6	Provide new technology cabling.	3	CA	TECH	$113,303.18
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$311,958.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Replace Generac emergency generator (installed in 2003, replace in 2018).	3	DRS	EG	$23,000.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$236,458.80

BEAR BRANCH ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
SECURITY						$37,767.73
	S1	Provide new intrusion detection system.	3	CA	SIA	$37,767.73
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	2.2	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.2	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$374,450.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$2,011,367.58
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,196,317.60
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$11,877,086.75
4	Future Consideration - (Life Expectancy: 10 + years)	$1,002,829.40
		$17,462,051.33

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

DEERWOOD ELEMENTARY SCHOOL

Deerwood
Elementary
All can learn and we are all learners



Aerial Site Plan

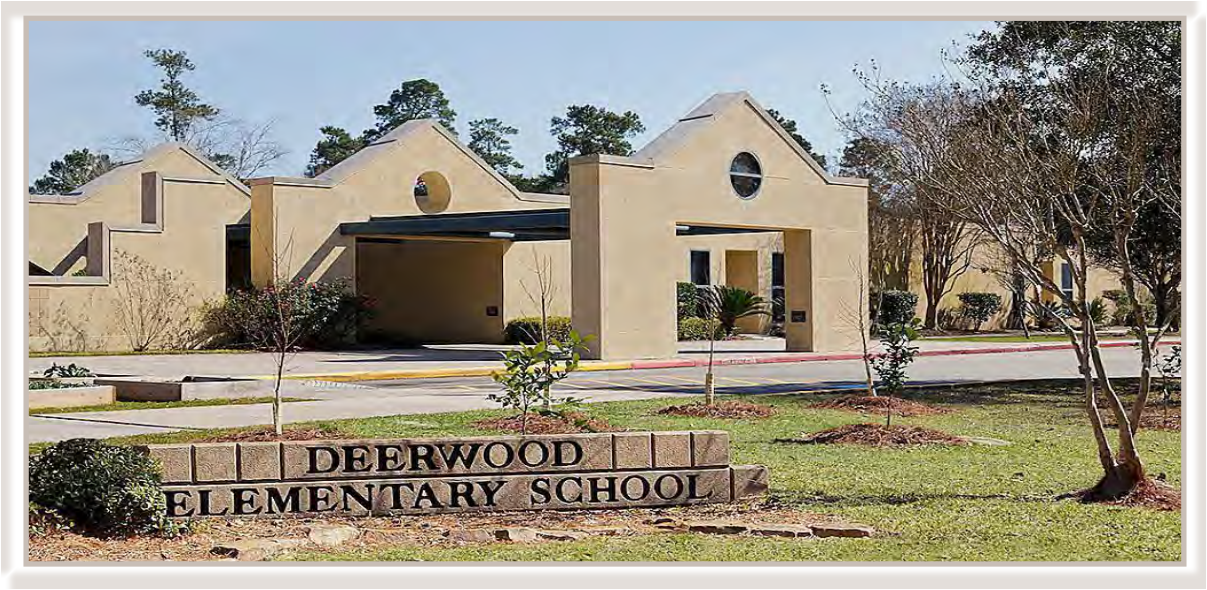


2920 Forest Garden Dr.
Kingwood, Texas 77345

ORIGINAL BUILDING COMPLETED: 1985
BUILDING AREA: 72,334 SF
SITE ACREAGE: 9.83
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 625
ENROLLMENT AS OF: 2016-2017

DEERWOOD ELEMENTARY SCHOOL

Front Door



Existing Site Plan



DEERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,342,452.80
Priority - 2.1	$5,103,128.77
Priority - 2.2	$12,500.00
Priority - 3	$7,884,701.95
Priority - 4	$1,634,328.30
Priority Totals	$15,977,111.82

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$20,400.00	$0.00	$20,400.00
Building Envelope	$0.00	$87,250.00	$28,750.00	$0.00	$1,080,000.00	$0.00	$1,196,000.00
Architectural	$0.00	$639,400.00	$1,928,013.75	$12,500.00	$4,119,500.00	$1,026,722.70	$7,726,136.45
Mechanical	$0.00	$615,802.80	$1,787,414.40	$0.00	$288,000.00	$0.00	$2,691,217.20
Electrical	$0.00	$0.00	$247,800.00	$0.00	$468,603.60	$0.00	$716,403.60
Plumbing	$0.00	$0.00	$329,402.40	$0.00	$493,404.00	$0.00	$822,806.40
Technology	$0.00	$0.00	$477,398.22	$0.00	$1,158,052.30	$0.00	$1,635,450.52
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$70,150.00	$607,605.60	$982,105.60
Security	$0.00	$0.00	$0.00	$0.00	$41,592.05	$0.00	$41,592.05
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$1,342,452.80	$5,103,128.77	$12,500.00	$7,884,701.95	$1,634,328.30	**$15,977,111.82**

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 final scope of work will be included.

DEERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$20,400.00
	C1	Remove and replace concrete sidewalk.	3	CA	SPM	$2,400.00
	C2	Hydromulch.	3	CA	SPM	$3,000.00
	C3	Install concrete curb.	3	CA	SPM	$3,000.00
	C4	Regrade greenspace and rebuild swales.	3	CA	SPM	$12,000.00
BUILDING ENVELOPE						$1,196,000.00
	B1	Replace metal frame windows.	1	CA-DP	WDW	$34,500.00
	B2	Provide miscellaneous repairs at walls.	1	CA-DP	WRE	$6,000.00
	B3	Replace and repair 1500 square feet of stucco.	1	CA-DP	WRE	$18,000.00
	B4	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	1	CA-DP	WS	$28,750.00
	B5	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA-DP	WS	$28,750.00
	B6	Replace existing modified bitumen roof. (Last replacement 2003, scheduled replacement 2023).	3	DRS	RFR	$1,080,000.00
ARCHITECTURAL						$7,726,136.45
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$167,900.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project (previously replaced in 1985/2003 scheduled for 2018).	1	DRS	FLR	$304,750.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects (painted in 2007 scheduled for 2017).	1	DRS	PTG	$166,750.00
	A4	(Special Education) - Renovate Special Education area to match current District standard and meet current program needs (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	2.1	CA-DP	ADD	$862,500.00
	A5	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A6	(Room 608 - Multipurpose Room) - Replace operable partition wall with solid wall (partition does not currently work and needs to be replaced).	2.1	CA-DP	REN	$8,593.75
	A7	(Cafeteria) - Replace existing folding partition wall with a solid wall.	2.1	CA-DP	REN	$25,000.00
	A8	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$49,170.00
	A9	Foundation repairs at the classrooms northeast of the south courtyard. Slab has settled 2-1/2".	2.1	PQI	STR	$540,000.00
	A10	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$40,250.00
	A11	(Library) - Renovate Storage Room to provide separate room for IDF rack (Storage Room has IDF rack currently).	2.2	CA-DP	REN	$12,500.00
	A12	Renovate and expand Kitchen and servery. Provide Manager's office (currently 5'x7' alcove at Receiving door). Increase square footage to 2,900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Add required air screen at receiving door. Tray drop at Warewash is not ADA.	3	CA-DP	ADD	$1,375,000.00
	A13	(Collaboration/Flex Spaces). Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,596,875.00

DEERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	(Room 608 - Special Services) - Remove the half door and replace with full door.	3	CA-DP	DR	$1,725.00
	A15	(Cafeteria) - Add a second exit out of Cafeteria (add pair of doors).	3	CA-DP	LS	$6,000.00
	A16	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$237,600.00
	A17	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A18	Renovate existing Computer Labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$250,000.00
	A19	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$637,500.00
	A20	(Room 609) - Demolish the partition wall in the time-out room.	3	CA-DP	WRI	$2,300.00
	A21	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$301,435.20
	A22	(Front Entrance) - Repair existing canopy at front entry and double coverage area (existing canopy drips and needs to cover more area).	4	CA-DP	CNPY	$138,000.00
	A23	Replace existing exterior doors throughout as par of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$80,500.00
	A24	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$251,850.00
	A25	Replace all marker boards campus-wide.	4	CA	MBTB	$51,750.00
	A26	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A27	(Room 608 - Special Services) - Relocate grab bars (currently too high).	4	CA-DP	REN	$937.50
	A28	(Library) Enclose Library with walls and storefront.	4	UNIF	REN	$41,250.00
MECHANICAL						$2,691,217.20
	M1	(1/2) Replace Carrier air cooled chiller (installed 1999, replace in 2014). Remove chilled water storage tank.	1	DRS	HVAC	$156,000.00
	M2	(2/2) Replace McQuay air cooled chiller (installed 2003, replace in 2018).	1	DRS	HVAC	$156,000.00
	M3	Replace DDC control system. Remove pneumatic valves.	1	CA-DP	HVAC	$303,802.80
	M4	Interlock exhaust fans with air handling units.	2.1	CA-DP	HVAC	$42,000.00
	M5	Selected MDF/IDF HVAC unit replacement.	2.1	CA-DP	HVAC	$45,000.00
	M6	Replace chilled and heating water piping and insulation.	2.1	CA-DP	HVAC	$520,804.80
	M7	Replace air handling units.	2.1	CA-DP	HVAC	$1,041,609.60
	M8	Modify discharge of HVAC diffusers in Cafeteria.	2.1	CA-DP	MECH	$36,000.00
	M9	Replace music room air handling unit and consider DX unit with electric	2.1	CA-DP	MECH	$102,000.00
	M10	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M11	Provide DX cooling in Administration area.	3	CA-DP	MECH	$108,000.00
ELECTRICAL						$716,403.60
	E1	Add egress lighting in restrooms.	2.1	CA-DP	ELE	$54,000.00
	E2	Provide additional receptacles in classrooms.	2.1	PQI	ELE	$60,000.00
	E3	(Clinic) - Staff request for emergency powered receptacles in the clinic.	2.1	CA-DP	LS	$19,800.00
	E4	Provide new theatrical lighting in Cafeteria/Gym.	2.1	CA	LTG	$66,000.00
	E5	LED building exterior lighting.	2.1	CA-DP	SL	$48,000.00
	E6	Provide automatic control of interior lighting.	3	CA-DP	LTG	$173,601.60
	E7	Upgrade interior lighting to LED.	3	CA-DP	LTG	$217,002.00

DEERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	E8	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$822,806.40
	P1	Replace electric drinking fountains.	2.1	CA-DP	EDF	$69,000.00
	P2	Replace plumbing fixtures.	2.1	CA-DP	PLB	$260,402.40
	P3	(Room 609) - The toilet is too high in the restroom and need a smaller one.	3	CA-DP	PLB	$9,000.00
	P4	Replace galvanized domestic water piping. Staff comment: Water fountains water turns brown at times and had to bring in bottled water for students (3) times this year.	3	PQI	PLB	$434,004.00
	P5	Replace (2) Rheem water heaters (installed in 2012, replace in 2025).	3	DRS	WTRH	$50,400.00
TECHNOLOGY						$1,635,450.52
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: Currently have an old projection system that needs an upgrade.	2.1	CA	AV	$75,900.00
	T2	Provide new IP phone system. Staff comments: Continual issues with phones, fax intermittent.	2.1	CA	AV	$124,776.15
	T3	Provide new intercom system. Staff comment: Technical systems are a mess. The intercom does not work and have to redo announcements.	2.1	CA	PA	$124,776.15
	T4	(Cafeteria) - Install a card reader at alcove exterior doors.	2.1	CA-DP	SEC	$9,000.00
	T5	Provide additional data outlets in Library.	2.1	CA-DP	TECH	$15,525.00
	T6	Provide additional data outlets in Computer Labs.	2.1	CA-DP	TECH	$27,600.00
	T7	Upgrade wireless access points. Staff comment: access is unreliable.	2.1	CA-DP	TECH	$99,820.92
	T8	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T9	Provide new clock system.	3	CA	CLK	$124,776.15
	T10	(Computer Lab) - The computer labs have a problem with wire management.	3	CA-DP	TECH	$40,250.00
	T11	Provide new technology cabling.	3	CA	TECH	$124,776.15
	T12	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$982,105.60
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Staff comment: Half of the security cameras do not work.	2.1	CA	SCM	$258,750.00
	FL3	Replace Generac emergency generator (installed in 2008, replace in 2023).	3	DRS	EG	$63,250.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$260,402.40
	FL6	Provide a fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$347,203.20
SECURITY						$41,592.05
	S1	Provide new intrusion detection system.	3	CA	SIA	$41,592.05
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

DEERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,342,452.80
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$5,103,128.77
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$12,500.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$7,884,701.95
4	Future Consideration - (Life Expectancy: 10 + years)	$1,634,328.30
		$15,977,111.82

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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EAGLE SPRINGS ELEMENTARY SCHOOL

Eagle Springs
Elementary
Every Student Every Day!



Aerial Site Plan



12500 Will Clayton Pkwy.
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 2006
BUILDING AREA: 80,536 SF
SITE ACREAGE: 12.81
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 847
ENROLLMENT AS OF: 2016-2017

EAGLE SPRINGS ELEMENTARY SCHOOL

Front Door



Existing Site Plan



EAGLE SPRINGS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$414,000.00
Priority - 2.1	$771,250.00
Priority - 2.2	$94,750.00
Priority - 3	$9,336,460.00
Priority - 4	$1,434,395.80
Priority Totals	$12,050,855.80

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$1,560.00	$0.00	$1,560.00
Building Envelope	$0.00	$0.00	$0.00	$28,750.00	$1,275,000.00	$0.00	$1,303,750.00
Architectural	$0.00	$414,000.00	$304,750.00	$0.00	$5,156,300.00	$1,149,995.80	$7,025,045.80
Mechanical	$0.00	$0.00	$0.00	$0.00	$689,400.00	$0.00	$689,400.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$363,000.00	$0.00	$429,000.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$169,800.00	$0.00	$169,800.00
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,277,075.00	$0.00	$1,439,225.00
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$75,900.00	$284,400.00	$664,650.00
Security	$0.00	$0.00	$0.00	$0.00	$183,425.00	$0.00	$183,425.00
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$414,000.00	$771,250.00	$94,750.00	$9,336,460.00	$1,434,395.80	**$12,050,855.80**

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 final scope of work will be included.

EAGLE SPRINGS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$1,560.00
	C1	Install concrete curb.	3	CA	SPM	$600.00
	C2	Remove and replace concrete sidewalk.	3	CA	SPM	$960.00
BUILDING ENVELOPE						$1,303,750.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA-DP	WS	$28,750.00
	B2	Replace existing roof. (Original roof 2006, scheduled replacement 2026).	3	DRS	RFR	$1,275,000.00
ARCHITECTURAL						$7,025,045.80
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2006 scheduled for 2016).	1	DRS	PTG	$166,750.00
	A3	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2006 scheduled for 2021). CRAYON.	2.1	DRS	FLR	$304,750.00
	A4	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$444,062.50
	A5	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A6	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,069,375.00
	A7	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A8	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$352,800.00
	A9	Renovate existing computer labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$289,062.50
	A10	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A11	(Art) - Add a kiln to an existing storage room adjacent to existing art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A12	(Art) - Add a kiln to an existing storage room adjacent to existing art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A13	(Corridors) - Cracks at the end of corridors, and the ceiling wracked. Looks like there is movement at the end of all corridors.	3	CA-DP	STR	$36,000.00
	A14	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A15	(Covered Walkway) - Fix canopy (leaks going from building to outside Pavilion).	4	CA-DP	CNPY	$8,625.00
	A16	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$49,680.00
	A17	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$77,625.00

EAGLE SPRINGS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A18	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$370,875.00
	A19	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A20	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A21	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A22	(Vestibule) - Relocate button that unlocks entry door.	4	CA-DP	SEC	$9,000.00
	A23	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$689,400.00
	M1	Selected MDF/IDF HVAC unit replacement.	3	CA-DP	HVAC	$45,000.00
	M2	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$50,400.00
	M3	Replace (2) York air cooled chillers (installed 2006, replace 2021).	3	DRS	HVAC	$312,000.00
	M4	Replace Rite heating boiler (installed in 2005, replace in 2025).	3	DRS	HVAC	$180,000.00
	M5	Replace music room air handling unit and consider DX unit with electric	3	CA-DP	MECH	$102,000.00
ELECTRICAL						$429,000.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$237,000.00
	E3	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E4	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$169,800.00
	P1	Selected drinking fountain replacement.	3	CA-DP	EDF	$69,000.00
	P2	Replace (2) A.O. Smith water heaters (installed in 2007, replace 2020)	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,439,225.00
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new clock system.	3	CA	CLK	$136,275.00
	T5	Provide new intercom system.	3	CA	PA	$136,275.00
	T6	Provide new technology cabling.	3	CA	TECH	$136,275.00
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$664,650.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system.	2.1	CA	SCM	$258,750.00
	FL3	Replace Generac emergency generator (installed in 2006, replace in 2021).	3	DRS	EG	$69,000.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2016, next renewal in 2026.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$284,400.00
SECURITY						$183,425.00
	S1	Provide new access control system.	3	CA	SCR	$138,000.00
	S2	Provide new intrusion detection system.	3	CA	SIA	$45,425.00
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00

EAGLE SPRINGS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$414,000.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$771,250.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$94,750.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,336,460.00
4	Future Consideration - (Life Expectancy: 10 + years)	$1,434,395.80
		$12,050,855.80

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

ELM GROVE ELEMENTARY SCHOOL

Elm Grove
Elementary
Eagles, Eagles, Eagles!



Aerial Site Plan



2815 Clear Ridge Dr.
Kingwood, Texas 77339

ORIGINAL BUILDING COMPLETED: 1978
BUILDING AREA: 69,043 SF
SITE ACREAGE: 9.74
BUILDING CAPACITY: 650
CURRENT ENROLLMENT: 470
ENROLLMENT AS OF: 2016-2017

ELM GROVE ELEMENTARY SCHOOL

Front Door



Existing Site Plan



ELM GROVE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$387,750.00
Priority - 2.1	$2,362,642.00
Priority - 2.2	$292,999.60
Priority - 3	$15,300,402.88
Priority - 4	$937,748.78
Priority Totals	$19,281,543.25

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$151,368.00	$0.00	$151,368.00
Building Envelope	$0.00	$0.00	$142,500.00	$0.00	$864,750.00	$0.00	$1,007,250.00
Architectural	$0.00	$164,450.00	$114,000.00	$60,199.60	$10,997,855.00	$824,445.60	$12,160,950.20
Mechanical	$0.00	$192,000.00	$1,576,392.00	$232,800.00	$729,000.00	$0.00	$2,730,192.00
Electrical	$0.00	$0.00	$0.00	$0.00	$323,049.00	$0.00	$323,049.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$731,356.80	$0.00	$731,356.80
Technology	$0.00	$25,300.00	$225,400.00	$0.00	$1,094,856.35	$113,303.18	$1,458,859.53
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$87,400.00	$0.00	$391,750.00
Security	$0.00	$6,000.00	$0.00	$0.00	$175,767.73	$0.00	$181,767.73
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$387,750.00	$2,362,642.00	$292,999.60	$15,300,402.88	$937,748.78	**$19,281,543.25**

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 final scope of work will be included.

ELM GROVE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$151,368.00
	C1	Hydromulch around playground.	3	CA	SPM	$3,000.00
	C2	Regrade.	3	CA	SPM	$12,000.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$16,368.00
	C4	Resurface asphalt entrance and exit.	3	CA	SPM	$120,000.00
BUILDING ENVELOPE						$1,007,250.00
	B1	Replace existing built up roof at New Wing. (Original roof 2000, scheduled replacement 2020).	2.1	DRS	RFR	$142,500.00
	B2	Replace existing modified bitumen roof at entries.	3	CA-DP	RFR	$3,000.00
	B3	Replace existing built up roof. (Last replacement 2005, scheduled replacement 2025).	3	DRS	RFR	$810,000.00
	B4	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$23,000.00
	B5	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$28,750.00
ARCHITECTURAL						$12,160,950.20
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$164,450.00
	A2	(Site) - Add fence at perimeter of campus (need better fencing around site, currently do not have security at fields. People do not know they are entering school and can hide in the trees.)	2.1	CA-DP	SEC	$114,000.00
	A3	(Auditorium) - Replace stage floor.	2.2	CA-DP	FLR	$32,200.00
	A4	(Pavilion) - Reconfigure canopy between building and pavilion. (The pavilion has security issues the students use canopy to climb on to roof.)	2.2	CA-DP	SEC	$18,000.00
	A5	Repair slab adjacent to restroom pods (mud jack under slab to raise it up). The restrooms were a building addition. There is some settling issues at corridor and restroom.	2.2	CA-DP	STR	$9,999.60
	A6	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$19,360.00
	A7	(Specialty Instruction) Addition to include District standard art room and science room.	3	UNIF	ADD	$3,500,000.00
	A8	Renovate and expand Kitchen and servery. Increase square footage to 2900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Currently has (1) manufactured in 2013 which can be reused/relocated. Add required air screen at receiving door. Tray drop at warewash is not ADA.	3	CA-DP	ADD	$1,375,000.00
	A9	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$118,125.00
	A10	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A11	(Collaboration/Flex Spaces) Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,795,625.00
	A12	(Site) - Add route from sidewalk to track without any site modifications.	3	CA-DP	AT	$11,500.00
	A13	(Classrooms) - Add blinds to all classrooms windows.	3	CA-DP	BLD	$19,250.00
	A14	(Library) - Replace Library book drop box.	3	CA-DP	CWK	$5,175.00

ELM GROVE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A15	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A16	(Computer Lab) - Provide doors between Computer Labs and from Library to Computer Lab.	3	CA-DP	DR	$6,900.00
	A17	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$33,120.00
	A18	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$51,750.00
	A19	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$246,675.00
	A20	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$396,000.00
	A21	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	3	CA-DP	OAPP	$42,000.00
	A22	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2012 scheduled for 2022).	3	DRS	PTG	$166,750.00
	A23	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A24	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$265,625.00
	A25	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$487,500.00
	A26	(Site) - Add (30) parking spaces.	3	CA-DP	SPN	$180,000.00
	A27	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$244,745.60
	A28	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2000, scheduled for 2015, next replacement???).	4	DRS	FLR	$304,750.00
	A29	Replace all marker boards campus-wide.	4	CA	MBTB	$54,050.00
	A30	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A31	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A32	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$29,900.00
MECHANICAL						$2,730,192.00
	M1	Replace Carrier air cooled chiller (installed in 2000, replace in 2015). Consider redundancy. Remove chilled water storage tank.	1	DRS	HVAC	$192,000.00
	M2	Replace chilled and heating water piping and insulation.	2.1	CA-DP	HVAC	$472,917.60
	M3	Replace chilled water rooftop units (installed 2000, replace 2015).	2.1	CA	HVAC	$1,103,474.40
	M4	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M5	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$79,800.00
	M6	Provide DX cooling in administration area.	2.2	CA-DP	MECH	$108,000.00
	M7	(Entrance) - The Vestibule is having HVAC issues.	3	CA-DP	HVAC	$9,000.00
	M8	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M9	Replace ERV units on roof (installed in 2000, replace 2020).	3	CA	HVAC	$540,000.00
ELECTRICAL						$323,049.00
	E1	Upgrade interior lighting to LED.	3	CA-DP	LTG	$197,049.00
	E2	LED building exterior lighting. Principal comment: need more.	3	PQI	SL	$48,000.00

ELM GROVE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	E3	Provide LED lighting in parking lot. Principal comment - some areas of parking lot/ site are dark.	3	PQI	SL	$78,000.00
PLUMBING						$731,356.80
	P1	Replace plumbing fixtures. Coordinate with architectural upgrade.	3	CA	PLB	$236,458.80
	P2	Replace galvanized domestic water piping. Principal comment, sometimes water is not clear after long break.	3	CA-DP	PLB	$394,098.00
	P3	Replace (2) Rheem water heaters (installed in 2012, replace in 2025).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,458,859.53
	T1	(Portables) - Portables do not have technology and do not have a projector.	1	CA-DP	TECH	$25,300.00
	T2	Provide new theatrical lighting system in Cafeteria/Gym.	2.1	CA	AV	$63,250.00
	T3	Provide new local sound and video in Cafeteria/Gym (no sound system currently).	2.1	CA	AV	$75,900.00
	T4	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T5	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T6	Provide new clock system.	3	CA	CLK	$113,303.18
	T7	Provide new intercom system.	3	CA	PA	$113,303.18
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
	T9	Provide new technology cabling.	4	CA	TECH	$113,303.18
FIRE & LIFE SAFETY						$391,750.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment: need additional coverage outside the building.	2.1	CA	SCM	$258,750.00
	FL3	Replace Cummins emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$80,500.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2013, next renewal in 2023.	3	DRS	MEQ	$6,900.00
SECURITY						$181,767.73
	S1	(Lobby) - Emergency button at desk in secretary vestibule is supposed to notify police but does not work.	1	CA-DP	SEC	$6,000.00
	S2	Provide new access control system.	3	CA	SCR	$138,000.00
	S3	Provide new intrusion detection system. Principal comment: continuous alarms.	3	CA	SIA	$37,767.73
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

ELM GROVE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$387,750.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$2,362,642.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$292,999.60
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$15,300,402.88
4	Future Consideration - (Life Expectancy: 10 + years)	$937,748.78
		$19,281,543.25

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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FALL CREEK ELEMENTARY SCHOOL

Fall Creek
Elementary
Where Learning Takes Flight



Aerial Site Plan



14435 Mesa Rd.
Humble, Texas 77396

ORIGINAL BUILDING COMPLETED: 2008
BUILDING AREA: 78,950 SF
SITE ACREAGE: 15.09
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 961
ENROLLMENT AS OF: 2016-2017

FALL CREEK ELEMENTARY SCHOOL

Front Door



Existing Site Plan



FALL CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 2.1	$400,530.00
Priority - 2.2	$102,000.00
Priority - 3	$10,772,030.00
Priority - 4	$2,774,873.30
Priority Totals	$14,049,433.30

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$31,200.00	$0.00	$31,200.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$28,750.00	$1,222,500.00	$1,251,250.00
Architectural	$0.00	$0.00	$9,930.00	$0.00	$8,509,680.00	$634,190.80	$9,153,800.80
Mechanical	$0.00	$0.00	$0.00	$102,000.00	$358,200.00	$180,000.00	$640,200.00
Electrical	$0.00	$0.00	$0.00	$0.00	$428,850.00	$0.00	$428,850.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$100,800.00	$0.00	$100,800.00
Technology	$0.00	$0.00	$86,250.00	$0.00	$944,150.00	$408,566.25	$1,438,966.25
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$87,400.00	$284,220.00	$675,970.00
Security	$0.00	$0.00	$0.00	$0.00	$138,000.00	$45,396.25	$183,396.25
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$0.00	$400,530.00	$102,000.00	$10,772,030.00	$2,774,873.30	**$14,049,433.30**

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 final scope of work will be included.

FALL CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$31,200.00
	C1	Install storm inlet and regrade area.	3	CA	SD	$12,000.00
	C2	Remove and replace concrete paving.	3	CA	SPM	$9,600.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$9,600.00
BUILDING ENVELOPE						$1,251,250.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$28,750.00
	B2	Replace existing modified bitumen roof. (Original roof 2008, scheduled replacement 2028).	4	DRS	RFR	$1,222,500.00
ARCHITECTURAL						$9,153,800.80
	A2	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$9,930.00
	A3	(Large Meeting Space) Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$444,062.50
	A4	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A5	(Specialty Instruction) Addition to include District standard art room and science room.	3	UNIF	ADD	$1,618,750.00
	A6	(Collaboration/Flex Spaces) Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,664,375.00
	A7	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A8	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project.	3	CA-DP	DR	$247,250.00
	A9	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$370,875.00
	A10	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$49,680.00
	A11	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$77,625.00
	A12	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2009 (NEW) scheduled for 2024).	3	DRS	FLR	$304,750.00
	A13	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$324,000.00
	A14	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2009 scheduled for 2024).	3	DRS	PTG	$166,750.00
	A15	(Art) - Add a kiln to an existing storage room adjacent to existing art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A16	Renovate existing computer labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$289,062.50
	A17	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A18	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A19	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00

FALL CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A20	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A21	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A22	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$640,200.00
	M1	Replace music room air handling unit and consider DX unit with electric	2.2	CA-DP	MECH	$102,000.00
	M2	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$46,200.00
	M3	Replace (2) York air cooled chillers (installed in 2008, replace in 2023).	3	DRS	HVAC	$312,000.00
	M4	Replace Bryan heating boiler (installed in 2008, replace in 2028).	4	DRS	HVAC	$180,000.00
ELECTRICAL						$428,850.00
	E1	Upgrade interior lighting to LED.	3	CA-DP	LTG	$236,850.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	3	CA	LTG	$66,000.00
	E3	LED building exterior lighting.	3	CA-DP	SEC	$48,000.00
	E4	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$100,800.00
	P1	Replace (2) Rheem water heaters (installed 2008, replace in 2021).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,438,966.25
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T2	Provide new local sound and video in Cafeteria/Gym.	3	CA	AV	$75,900.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Upgrade network equipment.	3	CA	TECH	$345,000.00
	T5	Provide new clock system.	4	CA	CLK	$136,188.75
	T6	Provide new intercom system.	4	CA	PA	$136,188.75
	T7	Provide new technology cabling.	4	CA	TECH	$136,188.75
FIRE & LIFE SAFETY						$675,970.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment: add coverage at the pavilion and portables.	2.1	CA	SCM	$258,750.00
	FL3	Replace Generac emergency generator (installed in 2008, replace in 2023).	3	DRS	EG	$80,500.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$284,220.00
SECURITY						$183,396.25
	S1	Provide new access control system.	3	CA	SCR	$138,000.00
	S2	Provide new intrusion detection system.	4	CA	SIA	$45,396.25
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

FALL CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$400,530.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$102,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$10,772,030.00
4	Future Consideration - (Life Expectancy: 10 + years)	$2,774,873.30
		$14,049,433.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

FOSTER ELEMENTARY SCHOOL

Foster
Elementary
Reaching for the Stars!



Aerial Site Plan



1800 Trailwood Village Dr.
Kingwood, Texas 77339

ORIGINAL BUILDING COMPLETED: 1971
BUILDING AREA: 76,027 SF
SITE ACREAGE: 10.39
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 578
ENROLLMENT AS OF: 2016-2017

FOSTER ELEMENTARY SCHOOL

Front Door



Existing Site Plan



FOSTER ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,432,500.00
Priority - 2.1	$2,987,764.40
Priority - 2.2	$166,750.00
Priority - 3	$12,667,568.45
Priority - 4	$1,139,012.20
Priority Totals	$18,393,595.05

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$251,400.00	$0.00	$251,400.00
Building Envelope	$0.00	$1,110,000.00	$23,000.00	$0.00	$73,750.00	$0.00	$1,206,750.00
Architectural	$0.00	$172,500.00	$1,164,288.00	$166,750.00	$9,796,655.00	$322,675.00	$11,622,868.00
Mechanical	$0.00	$150,000.00	$795,717.60	$0.00	$0.00	$120,000.00	$1,065,717.60
Electrical	$0.00	$0.00	$114,000.00	$0.00	$529,288.20	$0.00	$643,288.20
Plumbing	$0.00	$0.00	$424,258.80	$0.00	$566,898.00	$0.00	$991,156.80
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,254,734.53	$0.00	$1,416,884.53
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$6,900.00	$696,337.20	$1,007,587.20
Security	$0.00	$0.00	$0.00	$0.00	$42,942.73	$0.00	$42,942.73
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$1,432,500.00	$2,987,764.40	$166,750.00	$12,667,568.45	$1,139,012.20	**$18,393,595.05**

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 final scope of work will be included.

FOSTER ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$251,400.00
	C1	Install storm pipe.	3	CA	SD	$18,000.00
	C2	Storm line install.	3	CA	SD	$24,000.00
	C3	Basketball concrete court replacement.	3	CA	SPM	$2,400.00
	C4	Hydromulch.	3	CA	SPM	$3,000.00
	C5	Remove and replace concrete paving.	3	CA	SPM	$48,000.00
	C6	Remove and replace concrete sidewalk.	3	CA	SPM	$48,000.00
	C7	Remove and replace asphalt.	3	CA	SPM	$108,000.00
BUILDING ENVELOPE						$1,206,750.00
	B1	Replace existing built-up roof at main building. (Last replacement 1993, scheduled replacement 2018).	1	DRS	RFR	$1,110,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA	WS	$23,000.00
	B3	Replace existing built up roof at entry. (Original roof 2004, scheduled replacement 2024).	3	DRS	RFR	$45,000.00
	B4	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$28,750.00
ARCHITECTURAL						$11,622,868.00
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$172,500.00
	A2	Replace existing ceiling throughout as part of Ceiling Replacement Project.	2.1	CA-DP	CLG	$299,838.00
	A3	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A4	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1992 (RENO)/2004 scheduled for 2019).	2.1	DRS	FLR	$304,750.00
	A5	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$62,160.00
	A6	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A7	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2000.	2.2	DRS	PTG	$166,750.00
	A8	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$21,780.00
	A9	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A10	(Collaboration/Flex Spaces) Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,876,875.00
	A11	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$3,154,375.00
	A12	Reconfigure and expand space for(2) total serving lines. Currently has (1) manufactured in 2012 which can be reused/relocated. Expand Janitor closet. Expand CSA, servery. Expand warewash and pot storage. Increase aisle ways to meet ADA requirements. Tray drop at Warewash is not ADA. Increase square footage to 2,900 Sq. Ft.	3	CA-DP	ADD	$1,375,000.00
	A13	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$853,125.00

FOSTER ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$258,750.00
	A15	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$396,000.00
	A16	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	3	CA-DP	OAPP	$42,000.00
	A17	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A18	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$250,000.00
	A19	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$693,750.00
	A20	Replace all marker boards campus-wide.	4	CA	MBTB	$69,000.00
	A21	Add accessible access or chair lift at the stage.	4	CA	OTH	$5,175.00
	A22	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A23	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A24	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$57,500.00
MECHANICAL						$1,065,717.60
	M1	Replace Carrier air cooled chiller (installed in 1999, replace in 2014). Consider redundancy. Remove chilled water storage tank.	1	DRS	HVAC	$150,000.00
	M2	Interlock exhaust fans with air handling units.	2.1	CA-DP	HVAC	$36,000.00
	M3	Selected MDF/IDF HVAC unit replacement.	2.1	CA-DP	HVAC	$90,000.00
	M4	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$96,000.00
	M5	Replace chilled and heating water piping and insulation.	2.1	CA-DP	HVAC	$537,717.60
	M6	Modify discharge of HVAC diffusers in Cafeteria.	2.1	CA-DP	MECH	$36,000.00
	M7	Replace (2) Camus heating boilers (installed in 2013, replace in 2028).	4	DRS	HVAC	$120,000.00
ELECTRICAL						$643,288.20
	E1	Provide additional panelboard capacity for future branch circuits.	2.1	CA-DP	ED	$48,000.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	2.1	CA-DP	LTG	$66,000.00
	E3	Provide automatic control of interior lighting in section of building where lighting is controlled by local switch only.	3	CA-DP	LTG	$179,239.20
	E4	Upgrade interior lighting to LED.	3	CA-DP	LTG	$224,049.00
	E5	LED building exterior lighting. Principal comment: Add lighting at playground and around building.	3	PQI	SL	$48,000.00
	E6	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$991,156.80
	P1	Replace drinking fountains.	2.1	CA-DP	EDF	$69,000.00
	P2	Remove circular wash fountains, provide standard lavatories	2.1	CA-DP	PLB	$86,400.00
	P3	Replace plumbing fixtures, coordinate with architectural upgrade.	2.1	CA-DP	PLB	$268,858.80
	P4	No sink in the Special Education Classroom.	3	CA	PLB	$9,000.00
	P5	No sink in the Art Classroom.	3	CA	PLB	$9,000.00
	P6	Replace galvanized domestic water piping. Principal comment: sometimes water is not clear after a break.	3	CA-DP	PLB	$448,098.00
	P7	Replace (2) Rheem water heaters (installed 2012, replace in 2025).	3	DRS	WTRH	$100,800.00

FOSTER ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
TECHNOLOGY						$1,416,884.53
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new clock system.	3	CA	CLK	$128,828.18
	T5	Provide new intercom system. Principal comment: Need to add to T-bldgs. and outdoor pavilion.	3	CA	PA	$128,828.18
	T6	Provide new technology cabling.	3	CA	TECH	$128,828.18
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$1,007,587.20
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system.	2.1	CA	SCM	$258,750.00
	FL3	Renew curtain's flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL4	Replace Generac emergency generator (installed in 2014, replace in 2029).	4	DRS	EG	$69,000.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$268,858.80
	FL6	Provide a fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$358,478.40
SECURITY						$42,942.73
	S1	Provide new intrusion detection system.	3	CA	SIA	$42,942.73
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,432,500.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$2,987,764.40
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$166,750.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$12,667,568.45
4	Future Consideration - (Life Expectancy: 10 + years)	$1,139,012.20
		$18,393,595.05

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

GREENTREE ELEMENTARY SCHOOL

Greentree
Elementary
Go Gators!



Aerial Site Plan



3502 Brookshadow Dr.
Kingwood, Texas 77345

ORIGINAL BUILDING COMPLETED: 1981
BUILDING AREA: 79,848 SF
SITE ACREAGE: 11.00
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 732
ENROLLMENT AS OF: 2016-2017

GREENTREE ELEMENTARY SCHOOL

Front Door



Existing Site Plan



GREENTREE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$651,015.60
Priority - 2.1	$1,887,799.80
Priority - 2.2	$839,900.00
Priority - 3	$11,997,013.50
Priority - 4	$1,853,277.20
Priority Totals	$17,229,006.10

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$316,200.00	$0.00	$316,200.00
Building Envelope	$0.00	$23,000.00	$0.00	$28,750.00	$1,095,000.00	$0.00	$1,146,750.00
Architectural	$0.00	$304,750.00	$623,250.00	$484,150.00	$7,401,277.50	$825,746.00	$9,639,173.50
Mechanical	$0.00	$323,265.60	$665,280.00	$231,000.00	$354,000.00	$312,000.00	$1,885,545.60
Electrical	$0.00	$0.00	$0.00	$96,000.00	$493,627.20	$0.00	$589,627.20
Plumbing	$0.00	$0.00	$0.00	$0.00	$839,692.80	$0.00	$839,692.80
Technology	$0.00	$0.00	$294,919.80	$0.00	$1,266,559.40	$0.00	$1,561,479.20
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$6,900.00	$715,531.20	$1,026,781.20
Security	$0.00	$0.00	$0.00	$0.00	$78,756.60	$0.00	$78,756.60
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$651,015.60	$1,887,799.80	$839,900.00	$11,997,013.50	$1,853,277.20	**$17,229,006.10**

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 final scope of work will be included.

GREENTREE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$316,200.00
	C1	Install storm inlet.	3	CA	SD	$48,000.00
	C2	Install storm pipe.	3	CA	SD	$180,000.00
	C3	Hydromulch.	3	CA	SPM	$3,000.00
	C4	Remove and replace concrete paving.	3	CA	SPM	$19,200.00
	C5	Regrading.	3	CA	SPM	$30,000.00
	C6	Remove and replace asphalt sidewalk.	3	CA	SPM	$36,000.00
BUILDING ENVELOPE						$1,146,750.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	1	CA	WS	$23,000.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$28,750.00
	B3	Replace existing roof at entry. (Original roof 2006, scheduled replacement 2026).	3	DRS	RFR	$15,000.00
	B4	Replace existing modified bitumen roof. (Last replacement 2002, scheduled replacement 2022).	3	DRS	RFR	$1,080,000.00
ARCHITECTURAL						$9,639,173.50
	A1	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1981/2003 scheduled for 2018).	1	DRS	FLR	$304,750.00
	A2	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A3	Replace tile at front entry and entry hallway (existing tile is very slippery).	2.1	DRS	FLR	$20,700.00
	A4	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$52,110.00
	A5	(Site) - Major Bus issue, the students upload at the street now. The traffic is backed up to Lake Houston Parkway on a hill with a blind spot. (Site) - The cars are parked like a snake around the parking lot.(Site) - The cars are parked like a snake around the parking lot. (Site) - The cars are parked like a snake around the parking lot. The cars are parked like a snake around the parking lot.	2.1	CA-DP	SPN	$95,040.00
	A6	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$52,900.00
	A7	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	2.2	CA-DP	DR	$244,950.00
	A8	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2003 scheduled for 2013 next scheduled job???).	2.2	DRS	PTG	$166,750.00
	A9	(Classrooms) - No have noise issues between classrooms because of gaps at windows.	2.2	CA-DP	SR	$20,700.00
	A10	Add acoustic panels to the Cafeteria (acoustics with more than one class in the space are very bad).	2.2	DRS	SR	$51,750.00
	A11	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$19,360.00
	A12	Renovate and expand Kitchen and servery. Increase square footage to 2,900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Add required air screen at receiving door. Tray drop at Warewash is not ADA.	3	CA-DP	ADD	$1,375,000.00
	A13	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$656,250.00

GREENTREE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A15	(Collaboration/Flex Spaces) Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,640,625.00
	A16	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,830,937.50
	A17	(Music Room) - Replace ceiling tiles.	3	CA-DP	CLG	$5,280.00
	A18	(Administration) - Add built-in cabinets at Administration offices and conference rooms for more storage.	3	CA-DP	CWK	$43,125.00
	A19	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$230,400.00
	A20	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A21	Renovate existing Computer Labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$156,250.00
	A22	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$543,750.00
	A23	(Cafeteria) - Noise is a problem and needs acoustic panels.	3	CA-DP	SR	$25,300.00
	A24	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$300,476.00
	A25	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$51,520.00
	A26	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$80,500.00
	A27	(Cafeteria) - Add striping (taped every year in Cafeteria).	4	CA-DP	FLR	$40,250.00
	A28	Replace all marker boards campus-wide.	4	CA	MBTB	$60,950.00
	A29	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A30	(Library) Enclose Library with walls and storefront.	4	UNIF	REN	$41,250.00
	A31	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A32	(Administration) - Replace curved windows at Administration.	4	CA-DP	WDW	$59,800.00
MECHANICAL						$1,885,545.60
	M1	Provide DDC control system upgrade. Remove existing pneumatic valves.	1	CA-DP	HVAC	$323,265.60
	M2	Replace AHUs in original 1981 portion of school.	2.1	CA-DP	HVAC	$665,280.00
	M3	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M4	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M5	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$105,000.00
	M6	Replace P-K heating boiler (installed in 2011, replace in 2021-2026).	3	DRS	HVAC	$180,000.00
	M7	(Site) - School has a noisy air conditioning unit, a lot of exterior noise from equipment that the neighbor has complaint. Also the Public Access system is an issue.	3	CA-DP	HVAC	$66,000.00
	M8	Provide DX cooling in administration area.	3	CA-DP	MECH	$108,000.00
	M9	Replace (2) Carrier air cooled chillers (installed in 2012, replace 2027). Remove chilled water storage tank.	4	DRS	HVAC	$312,000.00

GREENTREE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
ELECTRICAL						$589,627.20
	E1	Provide additional lighting in the main hallway.	2.2	CA	LTG	$30,000.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E3	Provide automatic control of interior lighting.	3	CA	LTG	$184,723.20
	E4	Upgrade interior lighting to LED.	3	CA-DP	LTG	$230,904.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$839,692.80
	P1	Replace plumbing fixtures. Coordinate with architectural upgrade.	3	CA-DP	PLB	$277,084.80
	P2	Replace existing galvanized domestic water piping.	3	CA-DP	PLB	$461,808.00
	P3	Replace (2) Rheem water heaters (installed in 2012, replace 2025)	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,561,479.20
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Provide an IP phone system.	2.1	CA	AV	$132,769.80
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T5	Provide new clock system.	3	CA	CLK	$132,769.80
	T6	Provide new intercom system.	3	CA	PA	$132,769.80
	T7	Provide new technology cabling.	3	CA	TECH	$132,769.80
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$1,026,781.20
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment; inconsistent operation.	2.1	CA	SCM	$258,750.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL4	Replace emergency generator (installed in 2016, replace in 2031).	4	DRS	EG	$69,000.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$277,084.80
	FL6	Provide a fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$369,446.40
SECURITY						$78,756.60
	S1	Provide contacts at all exterior doors.	3	CA	SIA	$34,500.00
	S2	Provide new intrusion detection system.	3	CA	SIA	$44,256.60
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

GREENTREE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$651,015.60
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,887,799.80
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$839,900.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$11,997,013.50
4	Future Consideration - (Life Expectancy: 10 + years)	$1,853,277.20
		$17,229,006.10

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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HIDDEN HOLLOW ELEMENTARY SCHOOL

Hidden Hollow
Elementary
Roadrunners!



Aerial Site Plan



4104 Appalachian TraiL
Kingwood, Texas 77345

ORIGINAL BUILDING COMPLETED: 1990
BUILDING AREA: 74,752 SF
SITE ACREAGE: 10.74
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 491
ENROLLMENT AS OF: 2016-2017

HIDDEN HOLLOW ELEMENTARY SCHOOL

Front Door



Existing Site Plan



HIDDEN HOLLOW ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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Priority	Total Cost
Priority - 1	$481,858.40
Priority - 2.1	$3,245,543.20
Priority - 2.2	$2,292,512.00
Priority - 3	$9,612,250.80
Priority - 4	$1,673,272.00
Priority Totals	$17,305,436.40

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$132,000.00	$0.00	$132,000.00
Building Envelope	$0.00	$0.00	$57,500.00	$0.00	$1,080,000.00	$0.00	$1,137,500.00
Architectural	$0.00	$167,900.00	$1,040,900.00	$1,375,000.00	$5,787,916.00	$1,045,355.20	$9,417,071.20
Mechanical	$0.00	$313,958.40	$1,614,643.20	$291,000.00	$542,400.00	$0.00	$2,762,001.60
Electrical	$0.00	$0.00	$66,000.00	$33,000.00	$583,660.80	$0.00	$682,660.80
Plumbing	$0.00	$0.00	$0.00	$448,512.00	$100,800.00	$0.00	$549,312.00
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,255,091.60	$0.00	$1,417,241.60
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$87,400.00	$627,916.80	$1,019,666.80
Security	$0.00	$0.00	$0.00	$0.00	$42,982.40	$0.00	$42,982.40
Nutrition Services	$0.00	$0.00	$0.00	$145,000.00	$0.00	$0.00	$145,000.00
Priority Totals	$0.00	$481,858.40	$3,245,543.20	$2,292,512.00	$9,612,250.80	$1,673,272.00	**$17,305,436.40**

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 final scope of work will be included.

HIDDEN HOLLOW ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						$132,000.00
	C1	Install concrete curb.	3	CA	SPM	$3,000.00
	C2	Hydromulch.	3	CA	SPM	$3,000.00
	C3	Remove and replace concrete paving.	3	CA	SPM	$126,000.00
BUILDING ENVELOPE						$1,137,500.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA	WS	$28,750.00
	B3	Replace existing roof. (Last replacement 2006, scheduled replacement 2026).	3	DRS	RFR	$1,080,000.00
ARCHITECTURAL						$9,417,071.20
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$167,900.00
	A2	(Cafeteria) - Partitions are broken (if opened, stays open; if closed stays closed). Fill in openings with wall and insert pair of regular doors.	2.1	CA-DP	ADD	$25,000.00
	A3	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A4	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1990/2004 scheduled for 2019).	2.1	DRS	FLR	$304,750.00
	A5	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2010 scheduled for summer 2020).	2.1	DRS	PTG	$166,750.00
	A6	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$46,860.00
	A7	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A8	Renovate and expand Kitchen and servery. Provide Manager's office (currently 5'x7' alcove at Receiving door). Increase square footage to 2,900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Add required air screen at receiving door. Tray drop at Warewash is not ADA.	2.2	CA-DP	ADD	$1,375,000.00
	A9	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$11,616.00
	A10	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,386,875.00
	A11	(Collaboration/Flex Spaces) Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,264,062.50
	A12	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A13	(Administration) - Replace front counter (does not work for computers).	3	CA-DP	CWK	$10,062.50
	A14	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$352,800.00
	A15	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00

HIDDEN HOLLOW ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A16	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$250,000.00
	A17	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$637,500.00
	A18	(Cafeteria) - Add acoustic panels on walls.	4	CA-DP	ACO	$19,800.00
	A19	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$301,435.20
	A20	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$51,520.00
	A21	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$80,500.00
	A22	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$251,850.00
	A23	Replace all marker boards campus-wide.	4	CA	MBTB	$51,750.00
	A24	(Cafeteria) - Do not have basketball goals or striping on the VCT flooring.	4	CA-DP	MEQ	$46,000.00
	A25	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A26	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$41,250.00
	A27	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$40,250.00
MECHANICAL						$2,762,001.60
	M1	Upgrade DDC control system, remove existing pneumatic valves.	1	CA-DP	HVAC	$313,958.40
	M2	Replace air handling units. Remove meters from air handlers.	2.1	CA-DP	HVAC	$1,076,428.80
	M3	Replace chilled and heating water piping and insulation.	2.1	CA-DP	HVAC	$538,214.40
	M4	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M5	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M6	Replace music room air handling unit and consider DX unit with electric	2.2	CA-DP	MECH	$102,000.00
	M7	Provide DX cooling in Administration area.	2.2	CA-DP	MECH	$108,000.00
	M8	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M9	Replace (2) McQuay air cooled chillers (installed in 2005, replace 2025). Remove chilled water storage tank.	3	DRS	HVAC	$312,000.00
	M10	Replace (2) Rheem water heaters (installed in 2011, replace in 2024).	3	DRS	HVAC	$50,400.00
ELECTRICAL						$682,660.80
	E1	Provide new theatrical lighting system in Cafeteria/Gym.	2.1	CA	LTG	$66,000.00
	E2	Add lighting at entry canopy and Administration.	2.2	CA-DP	SL	$33,000.00
	E3	Add egress lighting in restrooms.	3	CA-DP	ELE	$54,000.00
	E4	Provide automatic control of interior lighting.	3	CA	LTG	$179,404.80
	E5	Upgrade interior lighting to LED.	3	CA-DP	LTG	$224,256.00
	E6	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E7	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$549,312.00
	P1	Replace copper domestic water piping (corrodes easily).	2.2	CA-DP	PLB	$448,512.00
	P2	Replace water heaters (2x Rheem).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,417,241.60
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: no integrated sound system in Cafeteria.	2.1	CA	AV	$75,900.00

HIDDEN HOLLOW ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new clock system.	3	CA	CLK	$128,947.20
	T5	Provide new intercom system.	3	CA	PA	$128,947.20
	T6	Provide new technology cabling.	3	CA	TECH	$128,947.20
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$1,019,666.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment: system does not perform adequately.	2.1	CA	SCM	$258,750.00
	FL3	Replace Cummins emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$80,500.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$269,107.20
	FL6	Provide a fire sprinkler system, coordinate with ceiling replacement.	4	CA	FSPR	$358,809.60
SECURITY						$42,982.40
	S1	Provide new intrusion detection system.	3	CA	SIA	$42,982.40
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	2.2	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.2	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$481,858.40
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$3,245,543.20
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,292,512.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,612,250.80
4	Future Consideration - (Life Expectancy: 10 + years)	$1,673,272.00
		$17,305,436.40

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

HUMBLE ELEMENTARY SCHOOL

Humble
Elementary
Bringing Out the Best in Each Other



Aerial Site Plan



20252 Fieldtree Dr.
Humble, Texas 77338

ORIGINAL BUILDING COMPLETED: 1990
BUILDING AREA: 74,752 SF
SITE ACREAGE: 13.24
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 605
ENROLLMENT AS OF: 2016-2017

HUMBLE ELEMENTARY SCHOOL

Front Door



Existing Site Plan



HUMBLE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,123,000.00
Priority - 2.1	$2,406,717.50
Priority - 2.2	$296,150.00
Priority - 3	$9,720,705.80
Priority - 4	$710,275.00
Priority Totals	$14,256,848.30

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$318,000.00	$0.00	$318,000.00
Building Envelope	$0.00	$97,750.00	$1,275,000.00	$40,750.00	$0.00	$0.00	$1,413,500.00
Architectural	$0.00	$414,000.00	$529,805.00	$46,000.00	$7,107,080.80	$641,275.00	$8,738,160.80
Mechanical	$0.00	$611,250.00	$0.00	$143,400.00	$180,000.00	$0.00	$934,650.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$361,500.00	$0.00	$427,500.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$282,600.00	$0.00	$282,600.00
Technology	$0.00	$0.00	$297,562.50	$0.00	$1,274,487.50	$0.00	$1,572,050.00
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$6,900.00	$69,000.00	$380,250.00
Security	$0.00	$0.00	$0.00	$0.00	$45,137.50	$0.00	$45,137.50
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$1,123,000.00	$2,406,717.50	$296,150.00	$9,720,705.80	$710,275.00	**$14,256,848.30**

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 final scope of work will be included.

HUMBLE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$318,000.00
	C1	Regrading.	3	CA	SPM	$30,000.00
	C2	Remove and replace concrete sidewalk.	3	CA	SPM	$48,000.00
	C3	Remove and replace concrete paving (at playground).	3	CA	SPM	$96,000.00
	C4	Remove and replace concrete paving.	3	CA	SPM	$144,000.00
BUILDING ENVELOPE						$1,413,500.00
	B1	Replace single pane windows with new.	1	CA-DP	WDW	$97,750.00
	B2	Replace existing roof. (Original roof 1999, replaced in 2012, next replacement 2019).	2.1	CA	RFR	$1,275,000.00
	B3	Replace or repair all cracked/broken brick and miscellaneous damaged plaster. Provide tuck point repair at all cracked mortar joints.	2.2	CA	WRE	$12,000.00
	B4	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$28,750.00
ARCHITECTURAL						$8,738,160.80
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2008 scheduled for 2018).	1	DRS	PTG	$166,750.00
	A3	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A4	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	2.1	CA-DP	DR	$49,680.00
	A5	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	2.1	CA-DP	DR	$77,625.00
	A6	Replace existing toilet partitions throughout as part of Campus Toilet Partition Replacement Project.	2.2	CA-DP	TP	$46,000.00
	A7	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$1,400,000.00
	A8	Reconfigure and expand space for (2) total serving lines to be completely within servery. Currently has (2) manufactured in 2004. Cashier extends out into Cafeteria. Expand CSA, Servery. Increase aisle ways to meet ADA requirements. Tray drop at warewash is not ADA. Increase square footage to 2,900 Sq. Ft.	3	CA-DP	ADD	$1,375,000.00
	A9	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$700,000.00
	A10	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A11	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,017,187.50
	A12	Replace existing ceiling throughout as part of Ceiling Replacement Project.	3	CA-DP	CLG	$320,790.80
	A13	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$360,000.00

HUMBLE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A15	Renovate existing Computer Labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$289,062.50
	A16	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A17	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	3	UNIF	SPN	$95,040.00
	A18	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$370,875.00
	A19	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A20	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A21	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$15,000.00
	A22	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
MECHANICAL						$934,650.00
	M1	Replace Marley cooling tower (installed in 1997, replace in 2017).	1	DRS	CT	$155,250.00
	M2	Replace (2) York water cooled chillers (installed in 1997, replace in 2017). Remove chilled water storage tank.	1	DRS	HVAC	$276,000.00
	M3	Outdoor chilled water piping and insulation replacement.	1	CA-DP	HVAC	$180,000.00
	M4	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M5	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M6	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$62,400.00
	M7	(2/3 & 3/3) Replace (2) P-K heating water boilers (installed in 2008, replace in 2018-2023).	3	DRS	HVAC	$180,000.00
ELECTRICAL						$427,500.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA-DP	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$235,500.00
	E3	LED building exterior lighting. Principal comment: minimal existing.	3	CA-DP	SL	$48,000.00
	E4	Provide LED lighting in parking lot. Principal comment: poor lighting in front, dim on sides.	3	CA-DP	SL	$78,000.00
PLUMBING						$282,600.00
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$282,600.00
TECHNOLOGY						$1,572,050.00
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new IP phone system (analog existing).	2.1	CA-DP	TECH	$135,412.50
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T5	Provide new clock system (none existing).	3	CA	CLK	$135,412.50
	T6	Provide new intercom system.	3	CA	PA	$135,412.50
	T7	Provide new technology cabling.	3	CA	TECH	$135,412.50
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$380,250.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment: could use more.	2.1	CA	SCM	$258,750.00

HUMBLE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	FL3	Renew flame retardant substrate on curtain (last replaced in 2015, next renewal in 2025).	3	DRS	MEQ	$6,900.00
	FL4	Replace emergency generator (installed in 2016, replace in 2031).	4	DRS	EG	$69,000.00
SECURITY						$45,137.50
	S1	Provide new intrusion detection system.	3	CA	SIA	$45,137.50
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,123,000.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$2,406,717.50
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$296,150.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,720,705.80
4	Future Consideration - (Life Expectancy: 10 + years)	$710,275.00
		$14,256,848.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

JACK FIELDS ELEMENTARY SCHOOL

Jack M. Fields Sr.
Elementary
Where dreams become reality. Reach for the Stars!



Aerial Site Plan



2505 S. Houston Ave.
Humble, Texas 77338

ORIGINAL BUILDING COMPLETED: 1995
BUILDING AREA: 81,106 SF
SITE ACREAGE: 14.83
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 557
ENROLLMENT AS OF: 2016-2017

JACK FIELDS ELEMENTARY SCHOOL

Front Door



Existing Site Plan



JACK FIELDS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,847,350.00
Priority - 2.1	$1,252,101.00
Priority - 2.2	$788,112.00
Priority - 3	$12,101,567.50
Priority - 4	$1,159,565.80
Priority Totals	$17,148,696.30

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$54,600.00	$0.00	$54,600.00
Building Envelope	$0.00	$1,433,350.00	$23,000.00	$0.00	$0.00	$0.00	$1,456,350.00
Architectural	$0.00	$414,000.00	$510,370.00	$0.00	$8,775,800.00	$831,815.80	$10,531,985.80
Mechanical	$0.00	$0.00	$180,000.00	$722,112.00	$1,097,424.00	$0.00	$1,999,536.00
Electrical	$0.00	$0.00	$48,000.00	$66,000.00	$340,230.00	$0.00	$454,230.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$375,156.00	$0.00	$375,156.00
Technology	$0.00	$0.00	$170,775.00	$0.00	$1,262,636.75	$0.00	$1,433,411.75
Fire & Life Safety	$0.00	$0.00	$319,956.00	$0.00	$6,900.00	$327,750.00	$654,606.00
Security	$0.00	$0.00	$0.00	$0.00	$43,820.75	$0.00	$43,820.75
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$1,847,350.00	$1,252,101.00	$788,112.00	$12,101,567.50	$1,159,565.80	**$17,148,696.30**

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 final scope of work will be included.

JACK FIELDS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$54,600.00
	C1	Install 8" culvert under the 5' long sidewalk.	3	CA	SD	$6,000.00
	C2	Install storm inlet.	3	CA	SD	$6,000.00
	C3	Install storm pipe.	3	CA	SD	$18,000.00
	C4	Remove and replace concrete sidewalk.	3	CA	SPM	$2,400.00
	C5	Install concrete curb.	3	CA	SPM	$3,000.00
	C6	Remove and replace concrete paving.	3	CA	SPM	$19,200.00
BUILDING ENVELOPE						$1,456,350.00
	B1	Thru-wall replacement is needed at all rise walls.	1	CA	RFR	$129,600.00
	B2	Replace existing roof. (Original roof 1995, next replacement needed to be in 2012).	1	DRS	RFR	$1,275,000.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	1	CA	WS	$28,750.00
	B4	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA	WS	$23,000.00
ARCHITECTURAL						$10,531,985.80
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2005.	1	DRS	PTG	$166,750.00
	A3	Replace existing casework throughout as part of Campus Casework Replacement Project (laminate finish is peeling in classrooms).	2.1	CA-DP	CWK	$402,500.00
	A4	(Library) - Enclose the Library and remove the ramps at the Library.	2.1	CA-DP	REN	$87,500.00
	A5	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$20,370.00
	A6	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,837,500.00
	A7	Reconfigure and expand space for (2) total serving lines to be completely within servery. Currently has (2) manufactured in 2004. Cashier extends out into Cafeteria. Expand CSA, Servery. Increase aisle ways to meet ADA requirements. Tray drop at Warewash is not ADA. Increase square footage to 2,900 Sq. Ft.	3	CA-DP	ADD	$1,375,000.00
	A8	(Special Education) - Renovate applied skills room to meet current District standard (room currently has changing table out in the middle of the room).	3	CA-DP	ADD	$187,500.00
	A9	(Special Education) - Renovate special education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A10	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,030,312.50
	A11	(Specialty Instruction) - Addition to include District standard art room and science room.	3	UNIF	ADD	$1,400,000.00
	A12	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$370,875.00
	A13	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2011 scheduled for 2026).	3	DRS	FLR	$304,750.00

JACK FIELDS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	(Library) - Remove ramp in the Library (tripping hazard).	3	PQI	FLR	$27,600.00
	A15	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$403,200.00
	A16	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A17	Renovate existing Computer Labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$289,062.50
	A18	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A19	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A20	Replace existing exterior door throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$77,625.00
	A21	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A22	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A23	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A24	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$15,000.00
	A25	Provide high wall to enclose Library.	4	CA-DP	REN	$75,000.00
	A26	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A27	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$1,999,536.00
	M1	Replace Raypak heating boiler (installed in 1999, replace in 2014-2019).	2.1	DRS	HVAC	$180,000.00
	M2	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M3	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M4	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$92,400.00
	M5	Replace chilled and heating water piping and insulation.	2.2	CA-DP	HVAC	$548,712.00
	M6	Replace air handling units.	3	CA	HVAC	$1,097,424.00
ELECTRICAL						$454,230.00
	E1	LED building exterior lighting. Staff comment: The exterior of the buildings do not have enough lighting and it is a safety issue.	2.1	PQI	SL	$48,000.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E3	Replace halogen lighting in main corridor.	3	CA-DP	LTG	$33,600.00
	E4	Upgrade interior lighting to LED.	3	CA-DP	LTG	$228,630.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$375,156.00
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$274,356.00
	P2	Replace (2) Rheem water heaters (installed in 2010, replace in 2023).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,433,411.75
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: The sound system is old and is not used.	2.1	CA-DP	AV	$75,900.00
	T2	Provide intercom connection to portable buildings.	2.1	PQI	PA	$8,625.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00

JACK FIELDS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	T5	Provide new clock system.	3	CA	CLK	$131,462.25
	T6	Provide new intercom system.	3	CA	PA	$131,462.25
	T7	Provide new technology cabling.	3	CA	TECH	$131,462.25
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$654,606.00
	FL1	Provide new fire alarm system.	2.1	CA-DP	FA	$274,356.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL4	Replace emergency generator (installed in 2016, replace in 2031).	4	DRS	EG	$69,000.00
	FL5	Provide new security camera system.	4	CA	SCM	$258,750.00
SECURITY						$43,820.75
	S1	Provide new intrusion detection system.	3	CA	SIA	$43,820.75
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,847,350.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,252,101.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$788,112.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$12,101,567.50
4	Future Consideration - (Life Expectancy: 10 + years)	$1,159,565.80
		$17,148,696.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

LAKELAND ELEMENTARY SCHOOL

Lakeland
Elementary
Wildcat Proud!



Aerial Site Plan



1500 Montgomery Ln.
Humble, Texas 77338

ORIGINAL BUILDING COMPLETED: 1960
BUILDING AREA: 77,812 SF
SITE ACREAGE: 8.37
BUILDING CAPACITY: 650
CURRENT ENROLLMENT: 749
ENROLLMENT AS OF: 2016-2017

LAKELAND ELEMENTARY SCHOOL

Front Door



Existing Site Plan



LAKELAND ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	***$517,700.00***
Priority - 2.1	***$9,719,730.50***
Priority - 2.2	***$1,904,554.20***
Priority - 3	***$9,588,080.60***
Priority - 4	***$570,050.00***
Priority Totals	***$22,300,115.30***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$154,200.00	$0.00	$154,200.00
Building Envelope	$0.00	$28,750.00	$1,116,250.00	$207,000.00	$0.00	$0.00	$1,352,000.00
Architectural	$0.00	$176,950.00	$5,407,000.00	$1,276,575.00	$7,420,575.60	$261,050.00	$14,542,150.60
Mechanical	$0.00	$312,000.00	$1,850,169.60	$90,000.00	$180,000.00	$0.00	$2,432,169.60
Electrical	$0.00	$0.00	$416,400.00	$0.00	$344,316.00	$0.00	$760,716.00
Plumbing	$0.00	$0.00	$0.00	$330,979.20	$50,400.00	$0.00	$381,379.20
Technology	$0.00	$0.00	$363,581.70	$0.00	$1,244,845.10	$0.00	$1,608,426.80
Fire & Life Safety	$0.00	$0.00	$566,329.20	$0.00	$6,900.00	$309,000.00	$882,229.20
Security	$0.00	$0.00	$0.00	$0.00	$41,843.90	$0.00	$41,843.90
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$517,700.00	$9,719,730.50	$1,904,554.20	$9,588,080.60	$570,050.00	**$22,300,115.30**

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 final scope of work will be included.

LAKELAND ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$154,200.00
	C1	Install storm inlet.	3	CA	SD	$18,000.00
	C2	Install storm pipe.	3	CA	SD	$54,000.00
	C3	Hydromulch.	3	CA	SPM	$3,000.00
	C4	Remove and replace asphalt.	3	CA	SPM	$12,000.00
	C5	Remove and replace concrete sidewalk.	3	CA	SPM	$67,200.00
BUILDING ENVELOPE						$1,352,000.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	1	CA-DP	WS	$28,750.00
	B2	Replace existing built up roof at main building. (Last replacement 1998, scheduled replacement 2018).	2.1	DRS	RFR	$915,000.00
	B3	Replace single pane windows with new.	2.1	CA-DP	WDW	$201,250.00
	B4	Replace existing built up roof at back addition. (Original roof 2004, scheduled replacement 2024).	2.2	DRS	RFR	$195,000.00
	B5	Replace or repair all cracked/broken brick and miscellaneous damaged plaster. Provide tuck point repair at all cracked mortar joints.	2.2	CA-DP	WRE	$12,000.00
ARCHITECTURAL						$14,542,150.60
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$164,450.00
	A2	(Restroom) - The entry that used to be restroom area has an odor.	1	CA-DP	REN	$12,500.00
	A3	(Classrooms) - Addition of eight (8) classrooms to allow temporary buildings to be removed.	2.1	CA-DP	REN	$3,307,500.00
	A4	Reconfigure and expand space for (2) total serving lines to be completely within servery. Currently has (2) serving line manufactured in 2004, cashier extends out into Cafeteria. Expand CSA, servery. Increase aisle ways to meet ADA requirements. Tray drop at warewash is not ADA. Increase square footage to 2900 Sq. Ft.	2.1	CA-DP	ADD	$1,375,000.00
	A5	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A6	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1993 (RENO) / 2004 (selected areas in 2002) scheduled for 2026).	2.1	DRS	FLR	$304,750.00
	A7	(Restroom) - Replace the base in the boys' and girls' restroom.	2.1	CA-DP	PTG	$17,250.00
	A8	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	2.2	CA-DP	DR	$246,675.00
	A9	(Library) - Renovate Library to bring up to current District standards (Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations, adding natural light, and additional el	2.2	CA-DP	REN	$1,000,000.00
	A10	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.2	CA-DP	TP	$29,900.00
	A11	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$9,680.00
	A12	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A13	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$1,400,000.00

LAKELAND ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,487,500.00
	A15	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,187,500.00
	A16	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	3	CA-DP	CLG	$244,745.60
	A17	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$122,400.00
	A18	(Cafeteria) Renovate Cafeteria to bring up to District standards.	3	CA-DP	REN	$828,125.00
	A19	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A20	Renovate existing Computer Labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$265,625.00
	A21	Replace all marker boards campus-wide.	4	CA	MBTB	$54,050.00
	A22	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A23	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$2,432,169.60
	M1	Replace (2) McQuay chillers (installed in 2004, replace in 2019).	1	DRS	HVAC	$312,000.00
	M2	Interlock exhaust fans with air handling units.	2.1	CA-DP	HVAC	$36,000.00
	M3	Exhaust upgrade at original portion of building.	2.1	PQI	HVAC	$81,600.00
	M4	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$114,000.00
	M5	Replace 75% of chilled and heating water piping and insulation.	2.1	CA-DP	HVAC	$396,000.00
	M6	Replace rooftop units.	2.1	CA-DP	HVAC	$1,222,569.60
	M7	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M8	(2/2) Replace P-K boiler (installed in 2011, replace in 2021).	3	DRS	HVAC	$180,000.00
ELECTRICAL						$760,716.00
	E1	Replace 50% of electrical panels and transformers, include additional space for future branch circuits.	2.1	CA	ED	$350,400.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	2.1	CA	LTG	$66,000.00
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$218,316.00
	E4	LED building exterior lighting. Staff comment: Need more lighting at the building entry.	3	CA-DP	SL	$48,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$381,379.20
	P1	Selected drinking fountain replacement.	2.2	CA-DP	EDF	$69,000.00
	P2	Replace plumbing fixtures in original portion of building, coordinate with architectural upgrade.	2.2	CA-DP	PLB	$261,979.20
	P3	Replace Rheem water heater (installed in 2009, replace in 2022).	3	DRS	WTRH	$50,400.00
TECHNOLOGY						$1,608,426.80
	T1	Provide an IP phone system.	2.1	CA	AV	$125,531.70
	T2	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$151,800.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00

LAKELAND ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T5	Provide new clock system.	3	CA	CLK	$125,531.70
	T6	Provide new intercom system.	3	CA	PA	$125,531.70
	T7	Provide new technology cabling.	3	CA	TECH	$125,531.70
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$882,229.20
	FL1	Provide new fire alarm system.	2.1	CA-DP	FA	$261,979.20
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Provide new security camera system.	2.1	CA	SCM	$258,750.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Replace Generac emergency generator (installed in 2014, replace in 2029).	4	DRS	EG	$69,000.00
	FL6	Install fire sprinkler system in original portion of building.	4	CA	FSPR	$240,000.00
SECURITY						$41,843.90
	S1	Provide new intrusion detection system.	3	CA	SIA	$41,843.90
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$517,700.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$9,719,730.50
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$1,904,554.20
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,588,080.60
4	Future Consideration - (Life Expectancy: 10 + years)	$570,050.00
		$22,300,115.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

LAKESHORE ELEMENTARY SCHOOL

Lakeshore
Elementary
A Safari of Learning



Aerial Site Plan



13333 Breakwater Path
Houston, Texas 77044

ORIGINAL BUILDING COMPLETED: 2009
BUILDING AREA: 102,050 SF
SITE ACREAGE: 15.21
BUILDING CAPACITY: 950
CURRENT ENROLLMENT: 1,022
ENROLLMENT AS OF: 2016-2017

LAKESHORE ELEMENTARY SCHOOL

Front Door



Existing Site Plan



LAKESHORE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$312,800.00
Priority - 2.1	$1,012,380.00
Priority - 2.2	$66,000.00
Priority - 3	$8,374,333.85
Priority - 4	$4,435,048.55
Priority Totals	$14,200,562.40

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$141,000.00	$0.00	$141,000.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$28,750.00	$1,500,000.00	$1,528,750.00
Architectural	$0.00	$312,800.00	$242,830.00	$0.00	$6,178,137.50	$1,694,516.60	$8,428,284.10
Mechanical	$0.00	$0.00	$180,000.00	$0.00	$334,800.00	$372,000.00	$886,800.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$422,934.00	$0.00	$488,934.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$100,800.00	$0.00	$100,800.00
Technology	$0.00	$0.00	$238,050.00	$0.00	$868,250.00	$512,211.15	$1,618,511.15
Fire & Life Safety	$0.00	$0.00	$351,500.00	$0.00	$97,750.00	$356,320.80	$805,570.80
Security	$0.00	$0.00	$0.00	$0.00	$56,912.35	$0.00	$56,912.35
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$312,800.00	$1,012,380.00	$66,000.00	$8,374,333.85	$4,435,048.55	**$14,200,562.40**

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 final scope of work will be included.

LAKESHORE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$141,000.00
	C1	Install storm inlet at playground.	3	CA	SD	$18,000.00
	C2	Install storm pipe.	3	CA	SD	$90,000.00
	C3	Hydromulch.	3	CA	SPM	$3,000.00
	C4	Regrading.	3	CA	SPM	$30,000.00
BUILDING ENVELOPE						$1,528,750.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$28,750.00
	B2	Replace existing modified bitumen roof. (Original roof 2009, scheduled replacement 2029).	4	DRS	RFR	$1,500,000.00
ARCHITECTURAL						$8,428,284.10
	A2	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$312,800.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2009 (NEW) scheduled for 2019).	2.1	DRS	PTG	$166,750.00
	A4	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$76,080.00
	A5	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,067,187.50
	A6	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$175,000.00
	A7	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A8	(Specialty Instruction) - Addition to include District standard art room and science room.	3	UNIF	ADD	$1,400,000.00
	A9	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2009 (NEW) scheduled for 2024).	3	DRS	FLR	$304,750.00
	A10	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$331,200.00
	A11	(Art) - Add a kiln to an existing storage room adjacent to existing art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A12	Renovate existing computer labs to bring up to current district standard (21st Century Design).	3	CA-DP	REN	$312,500.00
	A13	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$712,500.00
	A14	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$390,891.60
	A15	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$402,500.00
	A16	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$64,400.00

LAKESHORE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A17	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$100,625.00
	A18	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$469,200.00
	A19	Replace all marker boards campus-wide.	4	CA	MBTB	$75,900.00
	A20	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A21	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
MECHANICAL						$886,800.00
	M1	Selected MDF/IDF HVAC unit replacement.	2.1	CA-DP	HVAC	$180,000.00
	M2	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$142,800.00
	M3	(1/2) Replace Carrier air cooled chiller (installed in 2009, replace in 2024).	3	DRS	HVAC	$192,000.00
	M4	Replace Ajax heating boiler (installed in 2009, replace in 2029).	4	DRS	HVAC	$180,000.00
	M5	(2/2) Replace Carrier air cooled chiller (installed in 2015, replace in 2030).	4	DRS	HVAC	$192,000.00
ELECTRICAL						$488,934.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$296,934.00
	E3	LED building exterior lighting. Principal comment: Could use additional lighting at the rear of the building.	3	CA-DP	SL	$48,000.00
	E4	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$100,800.00
	P1	Replace (2) A.O. Smith domestic water heaters (installed in 2009, replace in 2022).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,618,511.15
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$151,800.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Upgrade network equipment.	3	CA	TECH	$345,000.00
	T5	Provide new clock system.	4	CA	CLK	$170,737.05
	T6	Provide new intercom system.	4	CA	PA	$170,737.05
	T7	Provide new technology cabling.	4	CA	TECH	$170,737.05
FIRE & LIFE SAFETY						$805,570.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Renew curtain flame retardant substrate. Last replaced in 2009, next renewal in 2019.	2.1	DRS	MEQ	$6,900.00
	FL3	Provide new security camera system. Principal comment: Need more.	2.1	CA	SCM	$299,000.00
	FL4	Replace Cummins emergency generator (installed in 2009, replace in 2024).	3	DRS	EG	$97,750.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$356,320.80
SECURITY						$56,912.35
	S1	Provide new intrusion detection system.	3	CA	SIA	$56,912.35
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

LAKESHORE ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$312,800.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,012,380.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$66,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$8,374,333.85
4	Future Consideration - (Life Expectancy: 10 + years)	$4,435,048.55
		$14,200,562.40

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

MAPLEBROOK ELEMENTARY SCHOOL

Maplebrook
Elementary
Learning is a Journey...Enjoy the Adventure



Aerial Site Plan



7935 Farmingham Rd.
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 2001
BUILDING AREA: 78,611 SF
SITE ACREAGE: 17.00
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 690
ENROLLMENT AS OF: 2016-2017

MAPLEBROOK ELEMENTARY SCHOOL

Front Door



Existing Site Plan



MAPLEBROOK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	***$406,250.00***
Priority - 2.1	***$1,166,484.38***
Priority - 2.2	***$2,776,300.00***
Priority - 3	***$9,733,106.25***
Priority - 4	***$1,409,840.80***
Priority Totals	***$15,491,981.43***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$124,800.00	$0.00	$124,800.00
Building Envelope	$0.00	$0.00	$126,500.00	$1,278,000.00	$0.00	$0.00	$1,404,500.00
Architectural	$0.00	$247,250.00	$371,530.00	$0.00	$7,427,100.00	$1,132,370.80	$9,178,250.80
Mechanical	$0.00	$159,000.00	$0.00	$1,287,300.00	$0.00	$0.00	$1,446,300.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$542,205.00	$0.00	$608,205.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$320,670.00	$0.00	$320,670.00
Technology	$0.00	$0.00	$295,104.38	$0.00	$1,267,113.13	$0.00	$1,562,217.50
Fire & Life Safety	$0.00	$0.00	$373,350.00	$0.00	$6,900.00	$277,470.00	$657,720.00
Security	$0.00	$0.00	$0.00	$0.00	$44,318.13	$0.00	$44,318.13
Nutrition Services	$0.00	$0.00	$0.00	$145,000.00	$0.00	$0.00	$145,000.00
Priority Totals	$0.00	$406,250.00	$1,166,484.38	$2,776,300.00	$9,733,106.25	$1,409,840.80	**$15,491,981.43**

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 final scope of work will be included.

MAPLEBROOK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$124,800.00
	C1	Remove and replace concrete sidewalk.	3	CA	SPM	$28,800.00
	C2	Remove and replace concrete paving.	3	CA	SPM	$96,000.00
BUILDING ENVELOPE						$1,404,500.00
	B1	Replace single pane windows with new.	2.1	CA	WDW	$97,750.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
	B3	Replace existing built up roof. (Original roof 2001, scheduled replacement 2021).	2.2	DRS	RFR	$1,260,000.00
	B4	Replace or repair all cracked/broken brick and miscellaneous damaged plaster. Provide tuck point repair at all cracked mortar joints.	2.2	CA	WRE	$18,000.00
ARCHITECTURAL						$9,178,250.80
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project (previously replaced in 2001).	2.1	DRS	FLR	$304,750.00
	A3	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$66,780.00
	A4	Reconfigure and expand space for (2) total serving lines. Currently has (1) manufactured in 2016 which can be reused/relocated. Expand Janitor closet. Expand CSA, servery. Expand warewash and pot storage, increase aisle ways to meet ADA requirements. Increase square footage to 2,900 Sq. Ft.	3	CA-DP	ADD	$1,375,000.00
	A5	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A6	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,478,750.00
	A7	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,673,437.50
	A8	(Corridors) - Adjust ceiling grid (slopes up at the edges in several corridors).	3	CA-DP	CLG	$44,000.00
	A9	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A10	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$417,600.00
	A11	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2012 scheduled for 2022).	3	DRS	PTG	$166,750.00
	A12	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A13	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$289,062.50
	A14	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A15	(Campus wide) - Repair cracks in cmu walls.	3	CA-DP	STR	$30,000.00

MAPLEBROOK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A16	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A17	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$49,680.00
	A18	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$77,625.00
	A19	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$370,875.00
	A20	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A21	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A22	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A23	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$1,446,300.00
	M1	Replace/ refurbish cooling tower fill (next fill due 2015).	1	DRS	CT	$69,000.00
	M2	Replace condensing unit serving Administration area air handling unit (installed 1999).	1	CA	HVAC	$90,000.00
	M3	Replace Baltimore 2-cell cooling tower (installed in 2001, replace in 2021).	2.2	DRS	CT	$186,300.00
	M4	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$36,000.00
	M5	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M6	(2/2) Replace Teledyne Laars heating boiler (installed in 2001, replace in 2021-2026).	2.2	DRS	HVAC	$180,000.00
	M7	Replace (2) Carrier water cooled chillers (installed in 2001, replace 2021).	2.2	DRS	HVAC	$288,000.00
	M8	Replace roof mounted energy recovery units.	2.2	CA	HVAC	$450,000.00
	M9	Replace music room air handling unit and consider DX unit with electric	2.2	CA-DP	MECH	$102,000.00
ELECTRICAL						$608,205.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Provide automatic control of interior lighting.	3	CA	LTG	$184,980.00
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$231,225.00
	E4	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$320,670.00
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$277,470.00
	P2	(1/2) Replace Sellers domestic water boiler (installed in 2001, replace in 2021-2026).	3	DRS	WTRH	$43,200.00
TECHNOLOGY						$1,562,217.50
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Provide an IP phone system.	2.1	CA	AV	$132,954.38
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T5	Provide new clock system.	3	CA	CLK	$132,954.38
	T6	Provide new intercom system.	3	CA	PA	$132,954.38
	T7	Provide new technology cabling.	3	CA	TECH	$132,954.38
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$657,720.00

MAPLEBROOK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	FL1	Replace Generac emergency generator (installed in 2001, replace in 2016).	2.1	DRS	EG	$69,000.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Provide new security camera system. Principal comment: video quality is poor. Would like to provide cameras in the parking lot.	2.1	CA	SCM	$258,750.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$277,470.00
SECURITY						$44,318.13
	S1	Provide new intrusion detection system.	3	CA	SIA	$44,318.13
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	2.2	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.2	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$406,250.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,166,484.38
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,776,300.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,733,106.25
4	Future Consideration - (Life Expectancy: 10 + years)	$1,409,840.80
		$15,491,981.43

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

NORTH BELT ELEMENTARY SCHOOL

North Belt
Elementary
Nothing But Excellence



Aerial Site Plan



8105 E. North Belt Dr.
Humble, Texas 77396

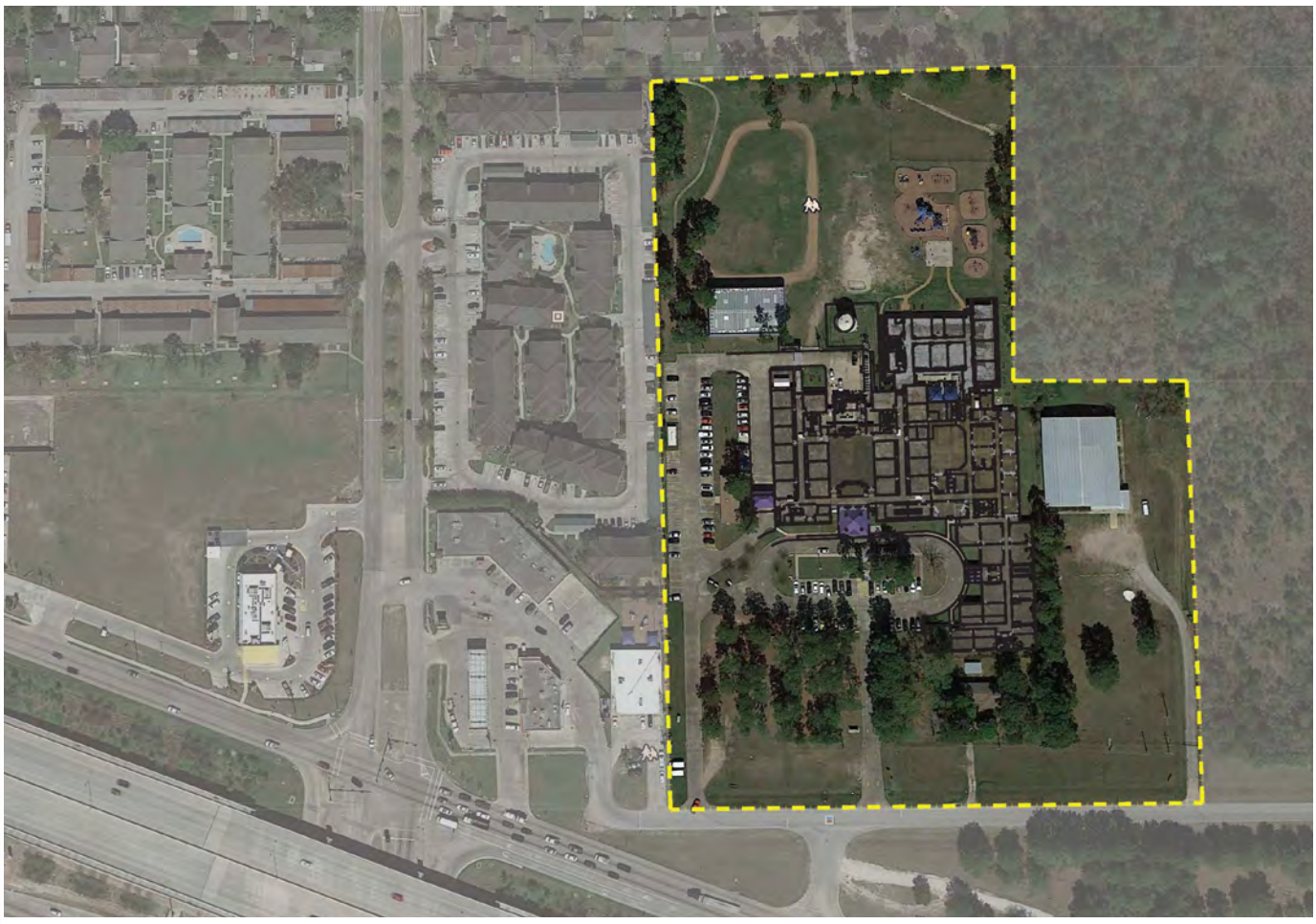
ORIGINAL BUILDING COMPLETED: 1968
BUILDING AREA: 90,793 SF
SITE ACREAGE: 10.70
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 691
ENROLLMENT AS OF: 2016-2017

NORTH BELT ELEMENTARY SCHOOL

Front Door



Existing Site Plan



NORTH BELT ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$375,600.00
Priority - 2.1	$4,155,995.00
Priority - 2.2	$181,600.00
Priority - 3	$9,993,594.25
Priority - 4	$2,283,961.20
Priority Totals	$16,990,750.45

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$30,000.00	$0.00	$0.00	$148,320.00	$0.00	$178,320.00
Building Envelope	$0.00	$0.00	$0.00	$46,000.00	$0.00	$202,500.00	$248,500.00
Architectural	$0.00	$165,600.00	$2,172,250.00	$0.00	$6,949,327.50	$757,800.00	$10,044,977.50
Mechanical	$0.00	$180,000.00	$1,329,120.00	$90,000.00	$0.00	$492,000.00	$2,091,120.00
Electrical	$0.00	$0.00	$0.00	$45,600.00	$634,282.20	$0.00	$679,882.20
Plumbing	$0.00	$0.00	$0.00	$0.00	$864,454.80	$0.00	$864,454.80
Technology	$0.00	$0.00	$176,525.00	$0.00	$1,338,103.78	$0.00	$1,514,628.78
Fire & Life Safety	$0.00	$0.00	$333,100.00	$0.00	$6,900.00	$831,661.20	$1,171,661.20
Security	$0.00	$0.00	$0.00	$0.00	$52,205.98	$0.00	$52,205.98
Nutrition Services	$0.00	$0.00	$145,000.00	$0.00	$0.00	$0.00	$145,000.00
Priority Totals	$0.00	$375,600.00	$4,155,995.00	$181,600.00	$9,993,594.25	$2,283,961.20	**$16,990,750.45**

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 final scope of work will be included.

NORTH BELT ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$178,320.00
	C1	(Pavilion) - The Pavilion area floods when it rains and the faculty cannot get students to it - resolve.	1	CA-DP	SD	$30,000.00
	C2	Install storm inlet.	3	CA	SD	$18,000.00
	C3	Install storm pipe.	3	CA	SD	$54,000.00
	C4	Remove and replace concrete paving.	3	CA	SPM	$1,920.00
	C5	Remove and replace concrete sidewalk.	3	CA	SPM	$14,400.00
	C6	Regrading.	3	CA	SPM	$60,000.00
BUILDING ENVELOPE						$248,500.00
	B1	Replace single pane windows with new.	2.2	CA-DP	WDW	$46,000.00
	B2	Replace existing roof at New Wing (original roof 2009, scheduled replacement 2029).	4	CA	RFR	$202,500.00
ARCHITECTURAL						$10,044,977.50
	A15	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$165,600.00
	A16	Renovate and expand Kitchen and servery. Increase square footage to 2900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Currently has (1) manufactured in 2009 which can be reused/relocated. Add required air screen at receiving door. Tray drop at Warewash is not ADA.	2.1	CA-DP	ADD	$1,375,000.00
	A17	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A18	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1998 (RENO) / 2004 (selected areas in 2002) scheduled for 2019).	2.1	DRS	FLR	$304,750.00
	A19	(Site) - Add 6' fence at perimeter. Transients on campus everyday and sleep in the pavilion and playground. Do not have site fencing and there is drug trafficking after hours.	2.1	CA-DP	SEC	$90,000.00
	A20	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A21	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$938,437.50
	A22	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$3,224,375.00
	A23	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$57,040.00
	A24	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$89,125.00
	A25	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$248,400.00
	A26	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$475,200.00
	A27	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2012 scheduled for 2022).	3	DRS	PTG	$166,750.00

NORTH BELT ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A28	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A29	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$218,750.00
	A30	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$656,250.00
	A31	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$339,900.00
	A32	Replace all marker boards campus-wide.	4	CA	MBTB	$81,650.00
	A33	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A34	(Entrance) - Enlarge existing vestibule (the current vestibule is secure and requires people to be buzzed in, but it is currently small).	4	CA-DP	SEC	$105,000.00
	A35	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A36	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$40,250.00
MECHANICAL						$2,091,120.00
	M1	Replace Teledyne Laars heating boiler (installed in 1997, replace in 2012).	1	DRS	HVAC	$180,000.00
	M2	Interlock exhaust fans with air handling units.	2.1	CA-DP	HVAC	$36,000.00
	M3	Exhaust upgrade (restrooms).	2.1	CA	HVAC	$62,400.00
	M4	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$117,600.00
	M5	Replace chilled and heating water piping and insulation in 60% of building.	2.1	CA	HVAC	$393,120.00
	M6	Replace rooftop units.	2.1	CA	HVAC	$684,000.00
	M7	Modify discharge of HVAC diffusers in Cafeteria.	2.1	CA-DP	MECH	$36,000.00
	M8	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M9	Replace Ajax heating boiler (installed in 2009, replace in 2029).	4	DRS	HVAC	$180,000.00
	M10	Replace (2) Carrier chillers (installed in 2012, replace in 2032). Remove chilled water storage tank.	4	DRS	HVAC	$312,000.00
ELECTRICAL						$679,882.20
	E1	Replace bussed weatherhead.	2.2	CA	ED	$45,600.00
	E2	Provide automatic control of interior lighting.	3	CA	LTG	$217,903.20
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$272,379.00
	E4	LED building exterior lighting. Principal comment: need additional lighting.	3	PQI	SL	$54,000.00
	E5	Provide LED lighting in parking lot. Principal comments: need additional lighting.	3	PQI	SL	$90,000.00
PLUMBING						$864,454.80
	P1	Replace galvanized domestic water piping (80% of building). Multiple services.	3	CA-DP	PLB	$436,800.00
	P2	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$326,854.80
	P3	Replace (2) Rheem water heaters (installed in 2012, replace in 2025).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,514,628.78
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: Do not have a permanent projector, have to roll in projector. Want a closed captioning system. Need new or improvement on sound system, current one has dead spots.	2.1	CA	AV	$75,900.00
	T2	Provide intercom in portable buildings.	2.1	PQI	PA	$14,375.00

NORTH BELT ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T5	Provide new clock system.	3	CA	CLK	$156,617.93
	T6	Provide new intercom system.	3	CA	PA	$156,617.93
	T7	Provide new technology cabling.	3	CA	TECH	$156,617.93
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$1,171,661.20
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment: system is often off line.	2.1	CA	SCM	$287,500.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL4	Replace Generac emergency generator (installed in 2014, replace in 2029).	4	DRS	EG	$69,000.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$326,854.80
	FL6	Provide fire sprinkler system.	4	CA	FSPR	$435,806.40
SECURITY						$52,205.98
	S1	Provide new intrusion detection system.	3	CA	SIA	$52,205.98
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	2.1	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.1	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$375,600.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$4,155,995.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$181,600.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,993,594.25
4	Future Consideration - (Life Expectancy: 10 + years)	$2,283,961.20
		$16,990,750.45

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$0.00

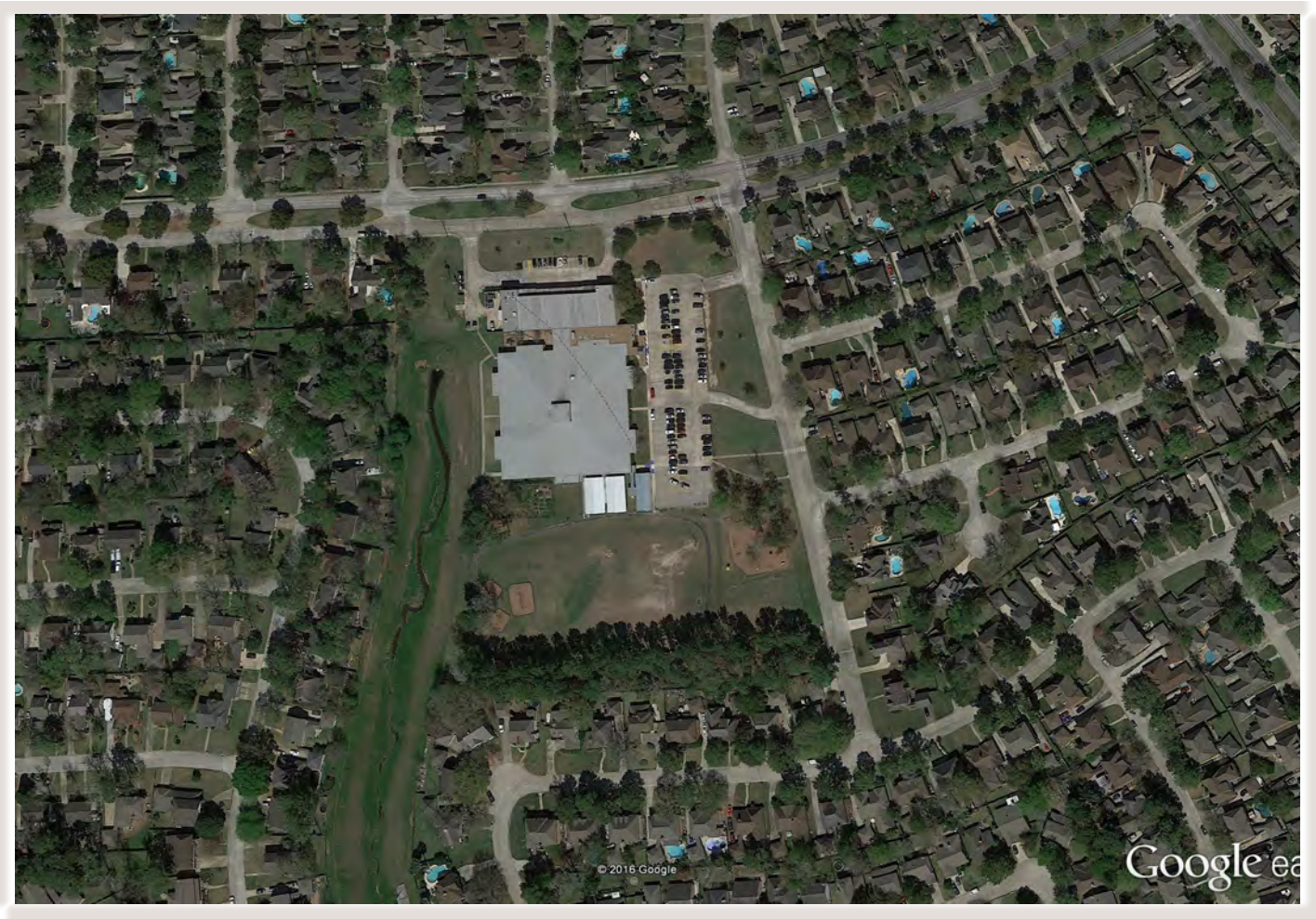
NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items only the appropriate cost for the final scope of work will be included.

OAKS ELEMENTARY SCHOOL

Oaks
Elementary
A Great Place to Learn!



Aerial Site Plan



5858 Upper Lake Dr.
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 1979
BUILDING AREA: 82,090 SF
SITE ACREAGE: 20.12
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 567
ENROLLMENT AS OF: 2016-2017

OAKS ELEMENTARY SCHOOL

Front Door



Existing Site Plan



OAKS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$155,250.00
Priority - 2.1	$1,277,900.00
Priority - 2.2	$698,700.00
Priority - 3	$11,972,819.40
Priority - 4	$3,066,729.60
Priority Totals	$17,171,399.00

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$272,400.00	$0.00	$272,400.00
Building Envelope	$0.00	$0.00	$40,750.00	$393,300.00	$0.00	$1,665,000.00	$2,099,050.00
Architectural	$0.00	$155,250.00	$511,750.00	$0.00	$7,195,307.50	$441,300.00	$8,303,607.50
Mechanical	$0.00	$0.00	$0.00	$239,400.00	$1,847,390.40	$312,000.00	$2,398,790.40
Electrical	$0.00	$0.00	$114,000.00	$66,000.00	$357,582.00	$0.00	$537,582.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$836,124.00	$0.00	$836,124.00
Technology	$0.00	$0.00	$238,050.00	$0.00	$1,267,728.95	$0.00	$1,505,778.95
Fire & Life Safety	$0.00	$0.00	$373,350.00	$0.00	$6,900.00	$648,429.60	$1,028,679.60
Security	$0.00	$0.00	$0.00	$0.00	$44,386.55	$0.00	$44,386.55
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$155,250.00	$1,277,900.00	$698,700.00	$11,972,819.40	$3,066,729.60	**$17,171,399.00**

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 final scope of work will be included.

OAKS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$272,400.00
	C1	Install storm inlet.	3	CA	SD	$30,000.00
	C2	Install storm pipe.	3	CA	SD	$180,000.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$4,800.00
	C4	Remove and replace concrete paving.	3	CA	SPM	$57,600.00
BUILDING ENVELOPE						$2,099,050.00
	B1	Provide miscellaneous repairs at walls.	2.1	CA	WRE	$12,000.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
	B3	(Campus wide) - Need new windows (current exterior corridor walls are single pane windows with metal panel system).	2.2	CA-DP	WDW	$393,300.00
	B4	Replace existing roof at New Wing. (Last replacement 2006, scheduled replacement 2026).	4	CA	RFR	$675,000.00
	B5	Replace existing roof. (Original roof 2008, scheduled replacement 2028).	4	CA	RFR	$990,000.00
ARCHITECTURAL						$8,303,607.50
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$155,250.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2005 scheduled for 2020).	2.1	DRS	FLR	$304,750.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2004 scheduled for 2014 next scheduled job???).	2.1	DRS	PTG	$166,750.00
	A4	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$40,250.00
	A5	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$43,560.00
	A6	Reconfigure and expand space for (2) total serving lines. Currently has (1) manufactured in 2011 which can be reused/relocated. Expand Janitor closet. CSA extends outside building. Expand warewash and pot storage. Increase aisle ways to meet ADA requirements. Increase square footage to 2,900 Sq. Ft.	3	CA-DP	ADD	$1,375,000.00
	A7	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,312,500.00
	A8	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$1,400,000.00
	A9	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$199,062.50
	A10	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$768,750.00
	A11	(Library) - Replace ACT ceiling (ceiling needs repair, ACT ceiling is cupping at mezzanine in Library).	3	CA-DP	CLG	$8,910.00
	A12	(Lit and Music Room) - Add cabinets (currently cabinets are outside in corridors; the mobile bulky rolling cabinets take up too much space).	3	CA-DP	CWK	$17,250.00

OAKS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A17	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$417,600.00
	A18	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A19	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$289,062.50
	A20	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A21	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A22	(Clinic) - Add accessible sink in the Clinic.	4	CA-DP	FXT	$8,050.00
	A23	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A24	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A25	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A26	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$37,500.00
	A27	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$2,689,332.00
	M1	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M2	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$100,800.00
	M3	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M4	Replace (2) York air cooled chillers (installed in 2008, replace in 2023). Remove chilled water storage tank.	3	DRS	HVAC	$312,000.00
	M5	Replace chilled and heating water piping and insulation.	3	CA	HVAC	$632,844.00
	M6	Replace air handling units.	3	CA	HVAC	$1,265,688.00
	M7	Provide DX cooling in Administration area.	3	CA-DP	MECH	$108,000.00
ELECTRICAL						$666,633.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Provide automatic control of interior lighting.	3	CA	LTG	$210,948.00
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$263,685.00
	E4	LED building exterior lighting. Principal comment: Need additional in the back of the building near playground.	3	CA-DP	SL	$48,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$417,222.00
	P1	Replace plumbing fixtures. Coordinate with restroom remodel.	3	CA	PLB	$316,422.00
	P2	Replace (2) Rheem domestic water heaters (installed in 2015, replace in 2028).	4	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,506,531.63
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Provide intercom connection to portable buildings.	2.1	PQI	PA	$21,275.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T4	Provide new technology cabling.	2.1	CA	TECH	$151,618.88
	T5	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T6	Provide new clock system.	3	CA	CLK	$151,618.88

OAKS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	P1	Plumbing fixture replacement (80%). Coordinate with restroom remodel.	3	CA-DP	PLB	$221,760.00
	P2	Replace all galvanized domestic water piping with copper. Staff comment: Water is sometimes not clear after an extended break.	3	CA-DP	PLB	$463,164.00
	P3	Replace (1) Rheem domestic water heater near Library (installed 2011, replace 2024).	3	CA	WTRH	$50,400.00
	P4	Replace (2) Rheem domestic water heaters (installed in 2013, replace in 2025).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,505,778.95
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: Need new sound system, current sound system is an old, portable system, with issues with sound feedback. Need new projector, currently do not have built in system and need to use cart.	2.1	CA	AV	$151,800.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new clock system.	3	CA	CLK	$133,159.65
	T5	Provide new intercom system.	3	CA	PA	$133,159.65
	T6	Provide new technology cabling.	3	CA	TECH	$133,159.65
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$1,028,679.60
	FL1	Replace Generac emergency generator - (installed in 2006, replace in 2021).	2.1	DRS	EG	$69,000.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Provide new security camera system. Staff comments: The cameras at the Gymnasium and front exterior are on the old system and can not provide playback. The interior cameras have playback option but need to adjust views. Do not have cameras at the back of	2.1	CA	SCM	$258,750.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$277,898.40
	FL6	Provide a fire sprinkler system. Coordinate with ceiling replacement.	4	CA	FSPR	$370,531.20
SECURITY						$44,386.55
	S1	Provide new intrusion detection system.	3	CA	SIA	$44,386.55
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

OAKS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$155,250.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,277,900.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$698,700.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$11,972,819.40
4	Future Consideration - (Life Expectancy: 10 + years)	$3,066,729.60
		$17,171,399.00

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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OAK FOREST ELEMENTARY SCHOOL

Oak Forest
Elementary
Falcons SOAR!



Aerial Site Plan



6400 Kingwood Glen
Humble, TX 77346

ORIGINAL BUILDING COMPLETED: 1995
BUILDING AREA: 90,967 SF
SITE ACREAGE: 13.32
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 745
ENROLLMENT AS OF: 2016-2017

OAK FOREST ELEMENTARY SCHOOL

Front Door



Existing Site Plan



OAK FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,612,460.50
Priority - 2.1	$1,120,053.88
Priority - 2.2	$264,045.00
Priority - 3	$14,871,276.88
Priority - 4	$1,096,962.80
Priority Totals	$18,964,799.05

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$55,920.00	$0.00	$55,920.00
Building Envelope	$0.00	$1,363,750.00	$149,500.00	$0.00	$0.00	$0.00	$1,513,250.00
Architectural	$0.00	$247,250.00	$302,410.00	$7,245.00	$10,025,842.50	$679,740.80	$11,262,488.30
Mechanical	$0.00	$0.00	$0.00	$190,800.00	$2,498,532.00	$0.00	$2,689,332.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$600,633.00	$0.00	$666,633.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$316,422.00	$100,800.00	$417,222.00
Technology	$0.00	$0.00	$335,043.88	$0.00	$1,171,487.75	$0.00	$1,506,531.63
Fire & Life Safety	$0.00	$0.00	$333,100.00	$0.00	$6,900.00	$316,422.00	$656,422.00
Security	$0.00	$0.00	$0.00	$0.00	$50,539.63	$0.00	$50,539.63
Nutrition Services	$0.00	$1,460.50	$0.00	$0.00	$145,000.00	$0.00	$146,460.50
Priority Totals	$0.00	$1,612,460.50	$1,120,053.88	$264,045.00	$14,871,276.88	$1,096,962.80	**$18,964,799.05**

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 final scope of work will be included.

OAK FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$55,920.00
	C1	Install storm inlet.	3	CA	SD	$12,000.00
	C2	Install storm pipe.	3	CA	SD	$36,000.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$1,920.00
	C4	Install concrete curb.	3	CA	SPM	$3,000.00
	C5	Hydromulch.	3	CA	SPM	$3,000.00
BUILDING ENVELOPE						$1,513,250.00
	B1	Replace existing roof. (Original roof 1995, replaced in 2012.	1	CA	RFR	$1,335,000.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	1	CA	WS	$28,750.00
	B3	Replace single pane windows with new.	2.1	CA-DP	WDW	$149,500.00
ARCHITECTURAL						$11,262,488.30
	A1	Replace existing interior door hardware throughout, as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2005 scheduled for 2015 next scheduled job???).	2.1	DRS	PTG	$166,750.00
	A3	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$40,620.00
	A4	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A5	(Kitchen) - Replace casework (cubbies in kitchen are in rough condition).	2.2	CA-DP	CWK	$7,245.00
	A6	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A7	Reconfigure and expand cold storage assembly and space for (2) total serving lines. Currently has (1) manufactured in 2014 which can be reused/relocated. Increase square footage to 2,900 Sq.Ft.	3	CA-DP	ADD	$1,375,000.00
	A8	(Core Capacity - Library) - Addition/renovation of Library.	3	UNIF	ADD	$1,410,937.50
	A9	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,507,187.50
	A10	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,588,125.00
	A11	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$682,500.00
	A12	Replace existing casework throughout, as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A13	Replace existing exterior door hardware throughout, as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$49,680.00
	A14	Replace existing exterior doors throughout, as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$77,625.00
	A15	Replace existing interior doors throughout, as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$370,875.00
	A16	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2010 scheduled for 2025).	3	DRS	FLR	$304,750.00

OAK FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A17	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$417,600.00
	A18	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A19	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$289,062.50
	A20	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A21	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A22	(Clinic) - Add accessible sink in the Clinic.	4	CA-DP	FXT	$8,050.00
	A23	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A24	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A25	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A26	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$37,500.00
	A27	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$2,689,332.00
	M1	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M2	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$100,800.00
	M3	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M4	Replace (2) York air cooled chillers (installed in 2008, replace in 2023). Remove chilled water storage tank.	3	DRS	HVAC	$312,000.00
	M5	Replace chilled and heating water piping and insulation.	3	CA	HVAC	$632,844.00
	M6	Replace air handling units.	3	CA	HVAC	$1,265,688.00
	M7	Provide DX cooling in Administration area.	3	CA-DP	MECH	$108,000.00
ELECTRICAL						$666,633.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Provide automatic control of interior lighting.	3	CA	LTG	$210,948.00
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$263,685.00
	E4	LED building exterior lighting. Principal comment: Need additional in the back of the building near playground.	3	CA-DP	SL	$48,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$417,222.00
	P1	Replace plumbing fixtures. Coordinate with restroom remodel.	3	CA	PLB	$316,422.00
	P2	Replace (2) Rheem domestic water heaters (installed in 2015, replace in 2028).	4	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,506,531.63
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Provide intercom connection to portable buildings.	2.1	PQI	PA	$21,275.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T4	Provide new technology cabling.	2.1	CA	TECH	$151,618.88
	T5	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T6	Provide new clock system.	3	CA	CLK	$151,618.88

OAK FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	T7	Provide new intercom system.	3	CA	PA	$151,618.88
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$656,422.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system.	2.1	CA	SCM	$287,500.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$316,422.00
SECURITY						$50,539.63
	S1	Provide new intrusion detection system.	3	CA	SIA	$50,539.63
NUTRITION SERVICES						$146,460.50
	NS1	Add required air screen at receiving door.	1	CA	MEQ	$1,460.50
	NS2	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS3	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,612,460.50
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,120,053.88
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$264,045.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$14,871,276.88
4	Future Consideration - (Life Expectancy: 10 + years)	$1,096,962.80
		$18,964,799.05

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

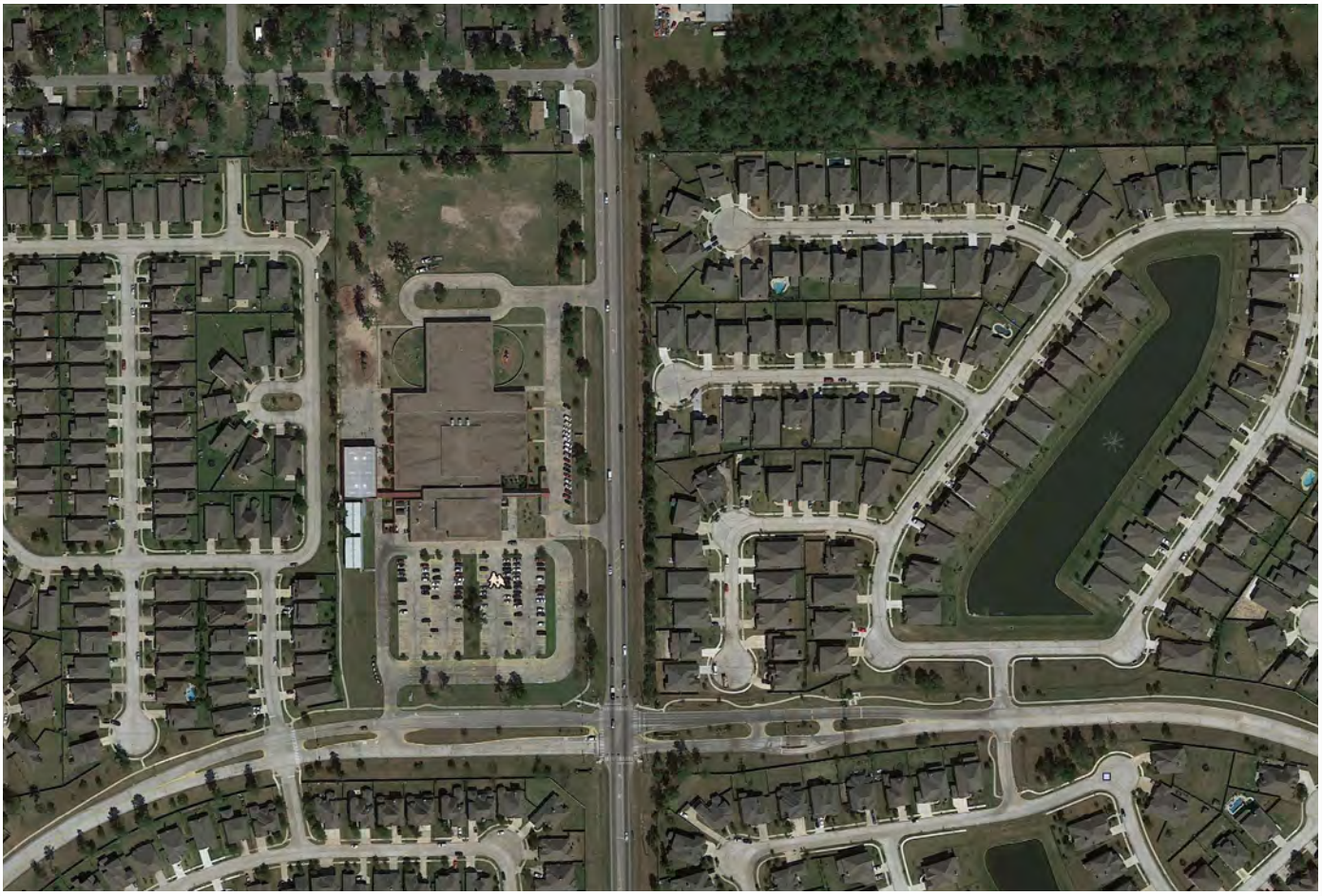
PARK LAKES ELEMENTARY SCHOOL



Park Lakes
Elementary
Lions Roar!



Aerial Site Plan



4400 Wilson Rd.
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 2006
BUILDING AREA: 82,630 SF
SITE ACREAGE: 12.74
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 713
ENROLLMENT AS OF: 2016-2017

PARK LAKES ELEMENTARY SCHOOL

Front Door



Existing Site Plan



PARK LAKES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$414,000.00
Priority - 2.1	$1,404,190.00
Priority - 2.2	$286,750.00
Priority - 3	$7,162,827.50
Priority - 4	$2,597,245.80
Priority Totals	$11,865,013.30

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$19,740.00	$0.00	$19,740.00
Building Envelope	$0.00	$0.00	$0.00	$28,750.00	$1,260,000.00	$0.00	$1,288,750.00
Architectural	$0.00	$414,000.00	$455,890.00	$0.00	$4,141,662.50	$1,994,870.80	$7,006,423.30
Mechanical	$0.00	$0.00	$312,000.00	$192,000.00	$222,000.00	$0.00	$726,000.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$363,000.00	$0.00	$429,000.00
Plumbing	$0.00	$0.00	$100,800.00	$0.00	$0.00	$0.00	$100,800.00
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,004,525.00	$272,550.00	$1,439,225.00
Fire & Life Safety	$0.00	$0.00	$373,350.00	$0.00	$6,900.00	$284,400.00	$664,650.00
Security	$0.00	$0.00	$0.00	$0.00	$0.00	$45,425.00	$45,425.00
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$414,000.00	$1,404,190.00	$286,750.00	$7,162,827.50	$2,597,245.80	**$11,865,013.30**

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 final scope of work will be included.

PARK LAKES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$19,740.00
	C1	Add/repair pavement markings and way-finding signs.	3	CA	SGN	$3,300.00
	C2	Hydromulch.	3	CA	SPM	$3,000.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$3,840.00
	C4	Remove and replace concrete paving.	3	CA	SPM	$9,600.00
BUILDING ENVELOPE						$1,288,750.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$28,750.00
	B2	Replace existing roof. (Original roof 2006, scheduled replacement 2026).	3	CA	RFR	$1,260,000.00
ARCHITECTURAL						$7,006,423.30
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2006 scheduled for 2016).	1	DRS	PTG	$166,750.00
	A3	Replace existing carpet flooring and base throughout as part of the Campus Carpet Replacement Project. (Previously replaced in 2006 scheduled for 2021).	2.1	DRS	FLR	$304,750.00
	A4	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$56,100.00
	A5	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A6	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,295,000.00
	A7	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,050,000.00
	A8	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A9	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$417,600.00
	A10	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$289,062.50
	A11	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A12	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A13	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	4	CA-DP	ADD	$862,500.00
	A14	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A15	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$49,680.00
	A16	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$77,625.00
	A17	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$370,875.00

PARK LAKES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A18	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A19	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A20	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A21	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$726,000.00
	M1	Replace (2) York air cooled chillers (installed in 2006, replace in 2021).	2.1	DRS	HVAC	$312,000.00
	M2	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M3	Replace Music room air handling unit and consider DX unit with electric	2.2	CA-DP	MECH	$102,000.00
	M4	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$42,000.00
	M5	Replace Rite heating boiler (installed in 2005, replace in 2025).	3	DRS	HVAC	$180,000.00
ELECTRICAL						$429,000.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$237,000.00
	E3	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E4	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$100,800.00
	P1	Replace (2) AO Smith water heaters (installed in 2006, replace in 2019).	2.1	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,439,225.00
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: Sound system needs to be updated.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new technology cabling.	3	CA	TECH	$136,275.00
	T5	Upgrade network equipment.	3	CA	TECH	$345,000.00
	T6	Provide new clock system.	4	CA	CLK	$136,275.00
	T7	Provide new intercom system.	4	CA	PA	$136,275.00
FIRE & LIFE SAFETY						$664,650.00
	FL1	Replace Kohler emergency generator (installed in 2005, replace in 2020).	2.1	DRS	EG	$69,000.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Provide new security camera system.	2.1	CA	SCM	$258,750.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2016, next renewal in 2026.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$284,400.00
SECURITY						$45,425.00
	S1	Provide new intrusion detection system.	4	CA	SIA	$45,425.00
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

PARK LAKES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$414,000.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,404,190.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$286,750.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$7,162,827.50
4	Future Consideration - (Life Expectancy: 10 + years)	$2,597,245.80
		$11,865,013.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

PINE FOREST ELEMENTARY SCHOOL

Pine Forest
Elementary
Set Sail for a Learning Adventure!



Aerial Site Plan



19702 W. Lake Houston Pkwy.
Humble, texas 77346

ORIGINAL BUILDING COMPLETED: 1985
BUILDING AREA: 76,942 SF
SITE ACREAGE: 12.49
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 603
ENROLLMENT AS OF: 2016-2017

PINE FOREST ELEMENTARY SCHOOL

Front Door



Existing Site Plan



PINE FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$969,806.40
Priority - 2.1	$5,472,922.15
Priority - 2.2	$720,550.00
Priority - 3	$11,192,374.55
Priority - 4	$1,321,035.50
Priority Totals	$19,676,688.60

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$127,800.00	$0.00	$127,800.00
Building Envelope	$0.00	$0.00	$1,247,250.00	$0.00	$0.00	$0.00	$1,247,250.00
Architectural	$0.00	$334,650.00	$1,777,500.00	$304,750.00	$8,644,755.00	$624,322.70	$11,685,977.70
Mechanical	$0.00	$635,156.40	$1,661,947.20	$222,600.00	$282,000.00	$0.00	$2,801,703.60
Electrical	$0.00	$0.00	$0.00	$193,200.00	$595,486.80	$0.00	$788,686.80
Plumbing	$0.00	$0.00	$42,000.00	$0.00	$276,991.20	$50,400.00	$369,391.20
Technology	$0.00	$0.00	$294,874.95	$0.00	$1,133,699.90	$0.00	$1,428,574.85
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$87,400.00	$646,312.80	$1,038,062.80
Security	$0.00	$0.00	$0.00	$0.00	$44,241.65	$0.00	$44,241.65
Nutrition Services	$0.00	$0.00	$145,000.00	$0.00	$0.00	$0.00	$145,000.00
Priority Totals	$0.00	$969,806.40	$5,472,922.15	$720,550.00	$11,192,374.55	$1,321,035.50	**$19,676,688.60**

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 final scope of work will be included.

PINE FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$127,800.00
	C1	Hydromulch.	3	CA	SPM	$3,000.00
	C2	Remove and replace concrete sidewalk.	3	CA	SPM	$28,800.00
	C3	Remove and replace concrete paving.	3	CA	SPM	$96,000.00
BUILDING ENVELOPE						$1,247,250.00
	B1	Replace existing built-up roof. (Last replacement 2001, scheduled replacement 2021).	2.1	CA	RFR	$1,080,000.00
	B2	Replace single pane windows with new.	2.1	CA	WDW	$126,500.00
	B3	Replace or repair all cracked/broken brick and miscellaneous damaged plaster. Provide tuck point repair at all cracked mortar joints.	2.1	CA	WRE	$12,000.00
	B4	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
ARCHITECTURAL						$11,685,977.70
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$167,900.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2007 scheduled for 2017).	1	DRS	PTG	$166,750.00
	A3	Renovate and expand Kitchen and servery. Provide Manager's office (currently 5'x7' alcove at receiving door). Increase square footage to 2900 Sq.Ft. Build to meet ADA requirements. Provide (2) total serving lines. Currently has (1) manufactured in 2011 which can be reused/relocated. Add required air screen at receiving door. Tray drop at warewash is not ADA.	2.1	CA-DP	ADD	$1,375,000.00
	A4	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A5	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2001.	2.2	DRS	FLR	$304,750.00
	A6	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$43,560.00
	A7	(Collaboration/Flex Spaces) Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,992,500.00
	A8	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A9	(Core Capacity - Library) Addition/renovation of Library.	3	UNIF	ADD	$1,430,625.00
	A10	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,592,500.00
	A11	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$51,520.00
	A12	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$80,500.00
	A13	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$251,850.00
	A14	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$439,200.00

PINE FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A15	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A16	Renovate existing computer labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$250,000.00
	A17	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$637,500.00
	A18	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$301,435.20
	A19	Replace all marker boards campus-wide.	4	CA	MBTB	$49,450.00
	A20	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A21	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$42,187.50
	A22	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A23	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$40,250.00
MECHANICAL						$2,801,703.60
	M1	Replace (2) McQuay air cooled chillers (installed in 2003, replace in 2018). Remove chilled water storage tank.	1	DRS	HVAC	$312,000.00
	M2	Provide new DDC control system. Remove pneumatic controls.	1	CA-DP	HVAC	$323,156.40
	M3	Replace chilled and heating water piping and insulation.	2.1	CA	HVAC	$553,982.40
	M4	Replace air handling units. Remove meters (no longer used).	2.1	CA	HVAC	$1,107,964.80
	M5	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$33,600.00
	M6	Interlock exhaust fans with air handling units (item not required if this equipment is replaced).	2.2	CA-DP	HVAC	$36,000.00
	M7	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M8	Provide DX cooling in Administration area.	2.2	CA-DP	MECH	$108,000.00
	M9	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M10	Replace Music room air handling unit and consider DX unit with electric	3	CA-DP	MECH	$102,000.00
ELECTRICAL						$788,686.80
	E1	Replace electrical main switchboard.	2.2	CA	ED	$60,000.00
	E2	Add egress lighting in restrooms.	2.2	CA-DP	ELE	$54,000.00
	E3	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$79,200.00
	E4	Selected panelboard replacement to allow for capacity for future branch circuits.	3	CA	ED	$54,000.00
	E5	Provide automatic control of interior lighting.	3	CA	LTG	$184,660.80
	E6	Upgrade interior lighting to LED.	3	CA-DP	LTG	$230,826.00
	E7	LED building exterior lighting. Principal comment: more lighting is needed, especially on the sides and back of the building.	3	CA-DP	SL	$48,000.00
	E8	Provide LED lighting in parking lot. Principal comment: more lighting is needed.	3	CA-DP	SL	$78,000.00
PLUMBING						$369,391.20
	P1	Provide hot water to custodial area.	2.1	PQI	PLB	$42,000.00
	P2	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$276,991.20
	P3	Replace (2) Rheem domestic water heaters (installed 2013, replace 2026).	4	DRS	WTRH	$50,400.00
TECHNOLOGY						$1,428,574.85
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00

PINE FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new technology cabling.	2.1	CA	TECH	$132,724.95
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T5	Provide new clock system.	3	CA	CLK	$132,724.95
	T6	Provide new intercom system.	3	CA	PA	$132,724.95
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$1,038,062.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment: video quality is poor, additional cameras are needed.	2.1	CA	SCM	$258,750.00
	FL3	Replace Cummins emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$80,500.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$276,991.20
	FL6	Provide a fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$369,321.60
SECURITY						$44,241.65
	S1	Provide new intrusion detection system.	3	CA	SIA	$44,241.65
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	2.1	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.1	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$969,806.40
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$5,472,922.15
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$720,550.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$11,192,374.55
4	Future Consideration - (Life Expectancy: 10 + years)	$1,321,035.50
		$19,676,688.60

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$0.00

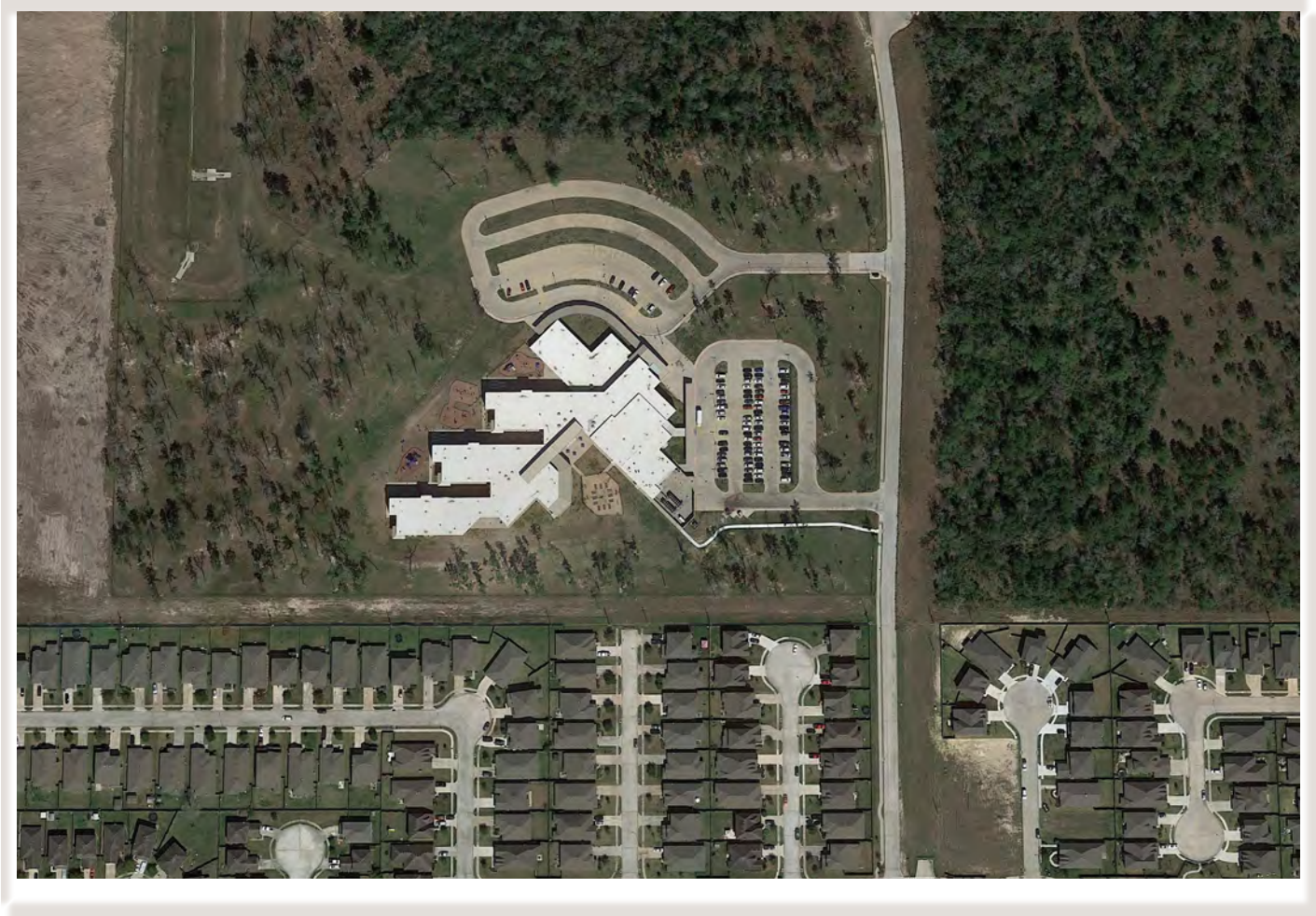
NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items only the appropriate cost for the final scope of work will be included.

RIDGE CREEK ELEMENTARY SCHOOL

Ridge Creek
Elementary
Where Your Story Matters!



Aerial Site Plan



15201 Woodland Hills Dr.
Humble, Texas 77396

ORIGINAL BUILDING COMPLETED: 2013
BUILDING AREA: 113,423 SF
SITE ACREAGE: 21.00
BUILDING CAPACITY: 950
CURRENT ENROLLMENT: 703
ENROLLMENT AS OF: 2016-2017

RIDGE CREEK ELEMENTARY SCHOOL

Front Door



Existing Site Plan



RIDGE CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$234,600.00
Priority - 2.1	$448,100.00
Priority - 2.2	$213,000.00
Priority - 3	$2,182,494.00
Priority - 4	$5,179,934.50
Priority Totals	$8,258,128.50

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$9,000.00	$33,000.00	$0.00	$42,000.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$0.00	$1,065,000.00	$1,065,000.00
Architectural	$0.00	$234,600.00	$0.00	$0.00	$493,375.00	$1,762,885.80	$2,490,860.80
Mechanical	$0.00	$0.00	$0.00	$138,000.00	$0.00	$984,000.00	$1,122,000.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$604,269.00	$0.00	$670,269.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$100,800.00	$0.00	$100,800.00
Technology	$0.00	$0.00	$86,250.00	$0.00	$944,150.00	$586,964.03	$1,617,364.03
Fire & Life Safety	$0.00	$0.00	$361,850.00	$0.00	$6,900.00	$557,822.80	$926,572.80
Security	$0.00	$0.00	$0.00	$0.00	$0.00	$78,261.87	$78,261.87
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$0.00	$145,000.00	$145,000.00
Priority Totals	$0.00	$234,600.00	$448,100.00	$213,000.00	$2,182,494.00	$5,179,934.50	**$8,258,128.50**

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 final scope of work will be included.

RIDGE CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$42,000.00
	C1	Add sidewalk from campus to the new the neighborhood to the right of the building.	2.2	DRS	SPN	$9,000.00
	C2	Hydromulch.	3	CA	SPM	$3,000.00
	C3	Regrading.	3	CA	SPM	$30,000.00
BUILDING ENVELOPE						$1,065,000.00
	B1	Replace existing roof. (Original roof 2013, scheduled replacement 2033)	4	DRS	RFR	$1,065,000.00
ARCHITECTURAL						$2,490,860.80
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$234,600.00
	A2	(Classroom) - Add tack strips in classroom (currently no way to attach teaching material on to walls).	3	CA-DP	INT	$17,250.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2013 scheduled for 2023).	3	DRS	PTG	$166,750.00
	A4	(Art) - Add a kiln to an existing storage room adjacent to existing art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A5	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$296,875.00
	A6	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$422,100.80
	A7	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$402,500.00
	A8	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$351,900.00
	A9	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$62,560.00
	A10	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$94,875.00
	A11	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2013 scheduled for 2028).	4	DRS	FLR	$304,750.00
	A12	Replace all marker boards campus-wide.	4	CA	MBTB	$75,900.00
	A13	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$48,300.00
MECHANICAL						$1,122,000.00
	M1	Provide DX cooling in Administration area.	2.2	CA-DP	MECH	$138,000.00
	M2	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$168,000.00
	M3	Replace (2) P-K heating boilers (installed in 2013, replace in 2028).	4	DRS	HVAC	$360,000.00
	M4	Replace (2) York air cooled chillers (installed in 2013, replace in 2033).	4	DRS	HVAC	$456,000.00
ELECTRICAL						$670,269.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$340,269.00
	E3	Replace occupancy sensors throughout the building.	3	CA-DP	LTG	$204,000.00
	E4	LED building exterior lighting.	3	CA-DP	SL	$24,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$36,000.00
PLUMBING						$100,800.00

RIDGE CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	P1	Replace (2) Rheem domestic water heaters (installed in 2013, replace in 2026).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,617,364.03
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T2	Provide new local sound in Cafeteria/Gym.	3	CA	AV	$75,900.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Upgrade network equipment.	3	CA	TECH	$345,000.00
	T5	Provide new clock system.	4	CA	CLK	$195,654.68
	T6	Provide new intercom system.	4	CA	PA	$195,654.68
	T7	Provide new technology cabling.	4	CA	TECH	$195,654.68
FIRE & LIFE SAFETY						$926,572.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Numerous problems per Jack Bayes.	2.1	CA	SCM	$316,250.00
	FL3	Renew curtain flame retardant substrate. Last replaced in 2013, next renewal in 2023.	3	DRS	MEQ	$6,900.00
	FL4	Replace Olympian emergency generator (installed in 2013, replace in 2028).	4	DRS	EG	$149,500.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$408,322.80
SECURITY						$78,261.87
	S1	Provide new intrusion detection system.	4	CA	SIA	$78,261.87
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	4	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	4	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$234,600.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$448,100.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$213,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$2,182,494.00
4	Future Consideration - (Life Expectancy: 10 + years)	$5,179,934.50
		$8,258,128.50

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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RIVER PINES ELEMENTARY SCHOOL

River Pines
Elementary
A Habitat for Learning



Aerial Site Plan



2400 Cold River Dr.
Humble, Texas 77396

ORIGINAL BUILDING COMPLETED: 2007
BUILDING AREA: 88,262 SF
SITE ACREAGE: 15.68
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 834
ENROLLMENT AS OF: 2016-2017

RIVER PINES ELEMENTARY SCHOOL

Front Door



Existing Site Plan



RIVER PINES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$414,000.00
Priority - 2.1	$578,250.00
Priority - 2.2	$111,000.00
Priority - 3	$11,738,401.25
Priority - 4	$1,593,573.75
Priority Totals	$14,435,225.00

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$60,000.00	$0.00	$2,400.00	$0.00	$62,400.00
Building Envelope	$0.00	$0.00	$28,750.00	$0.00	$1,260,000.00	$0.00	$1,288,750.00
Architectural	$0.00	$414,000.00	$23,000.00	$0.00	$8,332,412.50	$811,580.00	$9,580,992.50
Mechanical	$0.00	$0.00	$0.00	$45,000.00	$450,000.00	$180,000.00	$675,000.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$362,850.00	$0.00	$428,850.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$100,800.00	$0.00	$100,800.00
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,004,438.75	$272,377.50	$1,438,966.25
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$80,500.00	$284,220.00	$669,070.00
Security	$0.00	$0.00	$0.00	$0.00	$0.00	$45,396.25	$45,396.25
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$414,000.00	$578,250.00	$111,000.00	$11,738,401.25	$1,593,573.75	**$14,435,225.00**

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 final scope of work will be included.

RIVER PINES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$62,400.00
	C1	(Portable Building) - Standing water at Portable Building and out on play field.	2.1	CA-DP	SD	$30,000.00
	C2	(Front Entrance) - The front walk at entry holds water and becomes slick.	2.1	CA-DP	SD	$30,000.00
	C3	Fire lane marking resurface.	3	CA	SPM	$2,400.00
BUILDING ENVELOPE						$1,288,750.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
	B2	Replace existing roof. (Original roof 2007, next replacement 2027).	3	DRS	RFR	$1,260,000.00
ARCHITECTURAL						$9,580,992.50
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2007 scheduled for 2017).	1	DRS	PTG	$166,750.00
	A3	(Life Skills Classroom) - The life skills classroom needs a changing table. Everything else looks ok.	2.1	CA-DP	MEQ	$23,000.00
	A4	(Cafeteria) - Add acoustic panels.	3	CA-DP	ACO	$11,000.00
	A5	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$691,250.00
	A6	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A7	(Specialty Instruction) - Addition to include District standard art room and science room.	3	UNIF	ADD	$1,400,000.00
	A8	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,625,000.00
	A9	(Core Capacity - Cafeteria) Addition to increase core capacity to match actual capacity.	3	UNIF	ADD	$677,250.00
	A10	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A11	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2007 scheduled for 2022)	3	DRS	FLR	$304,750.00
	A12	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$381,600.00
	A13	(Art) - Add a kiln to an existing storage room adjacent to existing art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A14	Renovate existing computer labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$289,062.50
	A15	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A16	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$49,680.00

RIVER PINES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A17	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$77,625.00
	A18	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$370,875.00
	A19	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00
	A20	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A21	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A22	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$675,000.00
	M1	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M2	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$36,000.00
	M3	Replace (2) York air cooled chillers (installed in 2007, replace in 2022).	3	DRS	HVAC	$312,000.00
	M4	Replace music room air handling unit and consider DX unit with electric	3	CA-DP	MECH	$102,000.00
	M5	Replace Rite heating boiler (installed in 2007, replace in 2027).	4	DRS	HVAC	$180,000.00
ELECTRICAL						$428,850.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$236,850.00
	E3	LED building exterior lighting. Principal comment: Back of property is very dark.	3	CA-DP	SL	$48,000.00
	E4	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$100,800.00
	P1	Replace (2) A.O. Smith domestic water heaters (installed in 2008, replace in 2021).	3	DRS	HVAC	$100,800.00
TECHNOLOGY						$1,438,966.25
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new technology cabling.	3	CA	TECH	$136,188.75
	T5	Upgrade network equipment.	3	CA	TECH	$345,000.00
	T6	Provide new clock system.	4	CA	CLK	$136,188.75
	T7	Provide new intercom system.	4	CA	PA	$136,188.75
FIRE & LIFE SAFETY						$669,070.00
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Staff Comment: Need for security cameras everywhere. Lack of coverage campus wide. No coverage in hallways, at pavilion, or parking lot.	2.1	CA	SCM	$258,750.00
	FL3	Replace Generac emergency generator (installed in 2007, replace in 2022).	3	DRS	EG	$80,500.00
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$284,220.00
SECURITY						$45,396.25
	S1	Provide new intrusion detection system.	4	CA	SIA	$45,396.25
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00

RIVER PINES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$414,000.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$578,250.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$111,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$11,738,401.25
4	Future Consideration - (Life Expectancy: 10 + years)	$1,593,573.75
		$14,435,225.00

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$0.00

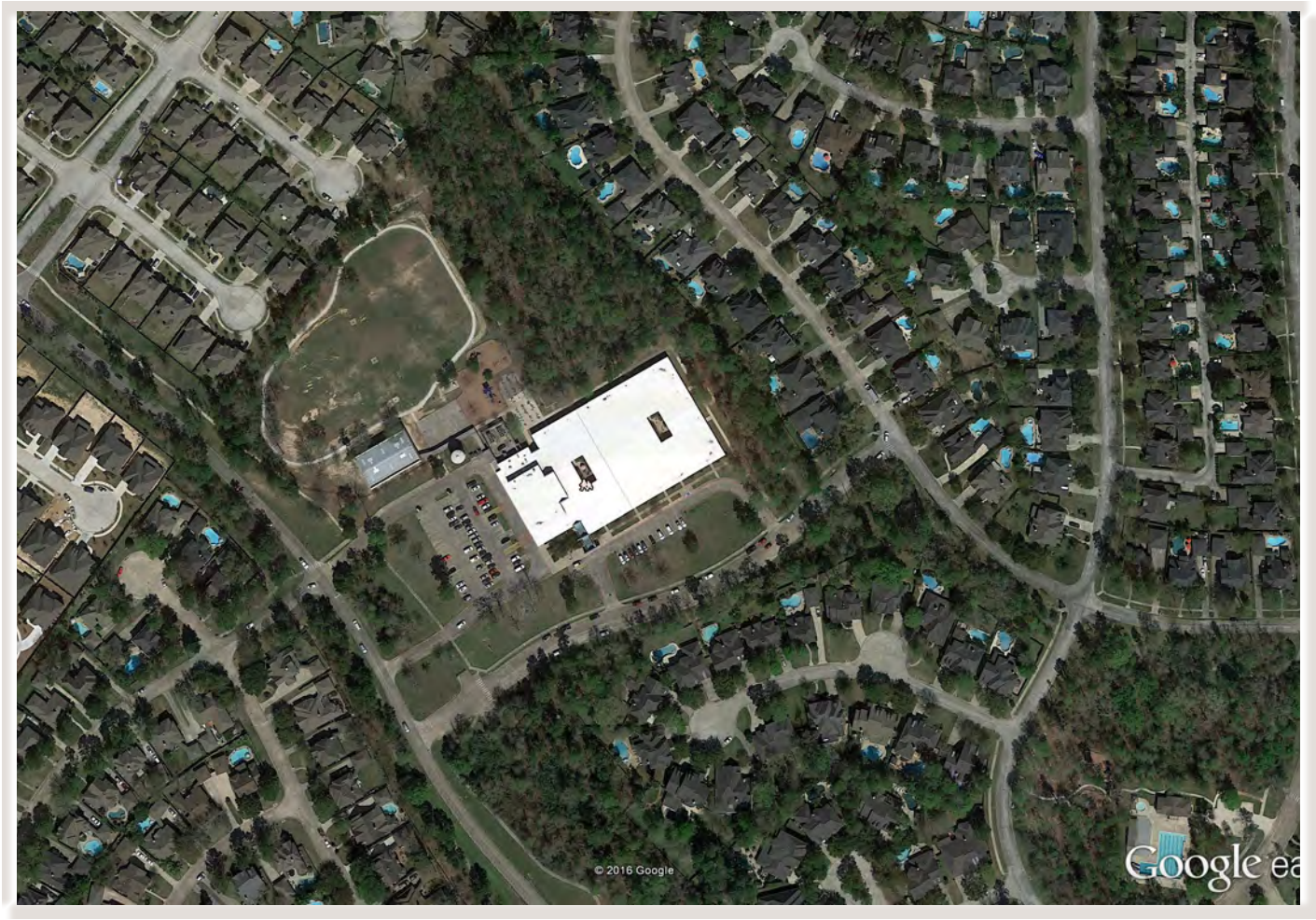
NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items only the appropriate cost for the final scope of work will be included.

SHADOW FOREST ELEMENTARY SCHOOL

Shadow Forest
Elementary
We teach the way each child learns!



Aerial Site Plan



2300 Mills Branch Dr.
Kingwood, Texas 77345

ORIGINAL BUILDING COMPLETED: 1993
BUILDING AREA: 68,542 SF
SITE ACREAGE: 21.02
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 575
ENROLLMENT AS OF: 2016-2017

SHADOW FOREST ELEMENTARY SCHOOL

Front Door



Existing Site Plan



SHADOW FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$169,360.50
Priority - 2.1	$3,038,577.10
Priority - 2.2	$674,950.00
Priority - 3	$9,312,646.55
Priority - 4	$2,765,563.00
Priority Totals	$15,961,097.15

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$40,440.00	$0.00	$40,440.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$0.00	$1,095,000.00	$1,095,000.00
Architectural	$0.00	$167,900.00	$844,750.00	$166,750.00	$6,496,770.00	$782,810.20	$8,458,980.20
Mechanical	$0.00	$0.00	$1,480,507.20	$341,400.00	$180,000.00	$312,000.00	$2,313,907.20
Electrical	$0.00	$0.00	$0.00	$166,800.00	$496,126.80	$0.00	$662,926.80
Plumbing	$0.00	$0.00	$0.00	$0.00	$708,403.20	$0.00	$708,403.20
Technology	$0.00	$0.00	$408,969.90	$0.00	$1,119,094.90	$0.00	$1,528,064.80
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$87,400.00	$575,752.80	$967,502.80
Security	$0.00	$0.00	$0.00	$0.00	$39,411.65	$0.00	$39,411.65
Nutrition Services	$0.00	$1,460.50	$0.00	$0.00	$145,000.00	$0.00	$146,460.50
Priority Totals	$0.00	$169,360.50	$3,038,577.10	$674,950.00	$9,312,646.55	$2,765,563.00	**$15,961,097.15**

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 final scope of work will be included.

SHADOW FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$40,440.00
	C1	Repair roof drain.	3	CA	SD	$3,000.00
	C2	Remove and replace concrete sidewalk.	3	CA	SPM	$1,440.00
	C3	Install concrete curb.	3	CA	SPM	$3,000.00
	C4	Hydromulch.	3	CA	SPM	$3,000.00
	C5	Install concrete curb (basketball).	3	CA	SPM	$30,000.00
BUILDING ENVELOPE						$1,095,000.00
	B1	Replace existing roof. (Original roof in 1993, refurnished in 2003, roof overlay in 2014, scheduled replacement in 2034.)	4	DRS	RFR	$1,095,000.00
ARCHITECTURAL						$8,458,980.20
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$167,900.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2005 scheduled for 2020).	2.1	DRS	FLR	$304,750.00
	A3	Foundation repairs to address 2-3/4"-3" drop across the classrooms on the short end of the building. Foundation repair will consist of the addition of piers outside the building to stop the foundation from further settlement. (The foundation has been worsening over the past 2 years, creating issues with ceilings and doors throughout building.)	2.1	CA-DP	STR	$540,000.00
	A4	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2003.	2.2	DRS	PTG	$166,750.00
	A5	(Cafeteria) - Add acoustic panels.	3	CA-DP	ACO	$19,800.00
	A6	Renovate and expand Kitchen and servery. Provide Manager's office (currently 5'x7' alcove at receiving door.) Provide space for (2) total serving lines. Currently has (1) manufactured in 2013 which can be reused/relocated. Expand Janitor closet. Expand CSA, servery. Expand warewash and pot storage, Increase aisle ways to meet ADA requirements. Tray drop at Warewash is not ADA. Increase square footage to 2,900 Sq. Ft.	3	CA-DP	ADD	$1,375,000.00
	A7	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$857,500.00
	A8	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A9	(Specialty Instruction) Addition to include District standard Art room and Science room.	3	UNIF	ADD	$1,400,000.00
	A10	(Campus wide) - Replace blinds (original blinds and are starting not to work).	3	CA-DP	BLD	$22,000.00
	A11	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A12	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$51,520.00
	A13	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$80,500.00
	A14	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$251,850.00
	A15	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$273,600.00

SHADOW FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A16	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A17	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$250,000.00
	A18	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$637,500.00
	A19	(Library) - Combine (3) rooms into (1) storage room.	4	CA-DP	ADD	$12,500.00
	A20	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$301,435.20
	A21	Replace all marker boards campus wide.	4	CA	MBTB	$51,750.00
	A22	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A23	(Administration) - Administration greenhouse looks outdated and the color scheme is also outdated.	4	CA-DP	PTG	$69,000.00
	A24	(Cafeteria) - Provide CMU wall infill between column pilasters with (2) double doors to replace operable partitions (rarely used).	4	CA-DP	REN	$25,000.00
	A25	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$46,875.00
	A26	(Library) - Provide enclosed spaces inside Library.	4	CA-DP	REN	$75,000.00
	A27	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$40,250.00
MECHANICAL						$2,313,907.20
	M1	Replace air handling units.	2.1	CA	HVAC	$987,004.80
	M2	Replace chilled and heating water piping and insulation.	2.1	CA	HVAC	$493,502.40
	M3	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M4	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M5	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$50,400.00
	M6	Replace Music room air handling unit and consider DX unit with electric	2.2	CA-DP	MECH	$102,000.00
	M7	Provide DX cooling in Administration area.	2.2	CA-DP	MECH	$108,000.00
	M8	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M9	Replace (2) York air cooled chillers (installed in 2009, replace in 2029). Remove chilled water storage tank.	4	DRS	HVAC	$312,000.00
ELECTRICAL						$662,926.80
	E1	Add egress lighting in restrooms.	2.2	CA-DP	ELE	$54,000.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$79,200.00
	E3	Upgrade lighting at front entry, need lighting at canopy.	2.2	CA-DP	SL	$33,600.00
	E4	Provide automatic control of interior lighting.	3	CA	LTG	$164,500.80
	E5	Upgrade interior lighting to LED.	3	CA-DP	LTG	$205,626.00
	E6	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E7	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$708,403.20
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$246,751.20
	P2	Replace copper domestic water piping (corrodes easily).	3	CA-DP	PLB	$411,252.00
	P3	Replace (2) Rheem water heaters (installed in 2011, replace in 2024).	3	DRS	WTRH	$50,400.00
TECHNOLOGY						$1,528,064.80
	T1	(Site) - Do not have communication to exterior play areas.	2.1	CA-DP	AV	$10,350.00

SHADOW FOREST ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	T2	Provide new local sound and video in Cafeteria/Gym. Staff comment: no projector in Cafeteria.	2.1	CA	AV	$75,900.00
	T3	Provide an IP phone system.	2.1	CA	AV	$118,234.95
	T4	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T5	Provide new technology cabling.	2.1	CA	TECH	$118,234.95
	T6	(Library) - Provide projector in the Library.	3	CA-DP	AV	$14,375.00
	T7	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T8	Provide new clock system.	3	CA	CLK	$118,234.95
	T9	Provide new intercom system. Principal comment: can't be heard at pavilion or play area.	3	CA	PA	$118,234.95
	T10	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$967,502.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Staff comment: Cameras for security are limited and are not in good condition.	2.1	CA	SCM	$258,750.00
	FL3	Replace Cummins emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$80,500.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$246,751.20
	FL6	Install a fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$329,001.60
SECURITY						$39,411.65
	S1	Provide new intrusion detection system.	3	CA	SIA	$39,411.65
NUTRITION SERVICES						$146,460.50
	NS1	Add required air Screen at Receiving door.	1	CA	MEQ	$1,460.50
	NS2	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS3	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$169,360.50
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$3,038,577.10
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$674,950.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,312,646.55
4	Future Consideration - (Life Expectancy: 10 + years)	$2,765,563.00
		$15,961,097.15

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

SUMMERWOOD ELEMENTARY SCHOOL

Summerwood
Elementary
Shining Stars



Aerial Site Plan



14000 Summerwood Lakes
Houston, texas 77044

ORIGINAL BUILDING COMPLETED: 2004
BUILDING AREA: 79,000 SF
SITE ACREAGE: 10.73
BUILDING CAPACITY: 750
CURRENT ENROLLMENT: 774
ENROLLMENT AS OF: 2016-2017

SUMMERWOOD ELEMENTARY SCHOOL

Front Door



Existing Site Plan



SUMMERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	*Total Cost*
Priority - 1	***$718,750.00***
Priority - 2.1	***$636,300.00***
Priority - 2.2	***$308,400.00***
Priority - 3	***$14,825,761.50***
Priority - 4	***$918,590.80***
Priority Totals	***$17,407,802.30***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$0.00	$0.00	$1,260,000.00	$0.00	$1,260,000.00
Architectural	$0.00	$718,750.00	$0.00	$0.00	$11,118,361.50	$634,190.80	$12,471,302.30
Mechanical	$0.00	$0.00	$0.00	$242,400.00	$472,000.00	$0.00	$714,400.00
Electrical	$0.00	$0.00	$0.00	$66,000.00	$363,000.00	$0.00	$429,000.00
Plumbing	$0.00	$0.00	$100,800.00	$0.00	$0.00	$0.00	$100,800.00
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,277,075.00	$0.00	$1,439,225.00
Fire & Life Safety	$0.00	$0.00	$373,350.00	$0.00	$6,900.00	$284,400.00	$664,650.00
Security	$0.00	$0.00	$0.00	$0.00	$183,425.00	$0.00	$183,425.00
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$718,750.00	$636,300.00	$308,400.00	$14,825,761.50	$918,590.80	**$17,407,802.30**

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 final scope of work will be included.

SUMMERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
BUILDING ENVELOPE						$1,260,000.00
	B1	Replace existing roof. (Original roof 2004, scheduled replacement 2024).	3	CA	RFR	$1,260,000.00
ARCHITECTURAL						$12,471,302.30
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$247,250.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2004 scheduled for 2019).	1	DRS	FLR	$304,750.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2004.	1	DRS	PTG	$166,750.00
	A4	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$7,744.00
	A5	Reconfigure and expand space for (2) total serving lines to be completely within servery. Currently has (2) manufactured in 2004, Cashier extends out into Cafeteria. Expand CSA, Servery. Increase aisle ways to meet ADA requirements. Increase square footage to 2,900 Sq. Ft.	3	CA-DP	ADD	$1,375,000.00
	A6	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$1,181,250.00
	A7	(Administration) - Administration addition. Currently do not have enough space; sharing offices and do not have a conference room.	3	CA-DP	ADD	$1,312,500.00
	A8	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$1,400,000.00
	A9	(Collaboration/Flex Spaces) Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,778,125.00
	A10	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A11	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A12	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$49,680.00
	A13	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$77,625.00
	A14	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$370,875.00
	A15	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$324,000.00
	A16	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A17	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$289,062.50
	A18	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$675,000.00
	A19	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$320,790.80
	A20	Replace all marker boards campus-wide.	4	CA	MBTB	$64,400.00

SUMMERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A21	Refurbish open air Pavilion (Paint and Basketball goals need to be replaced).	4	CA-DP	OAPP	$42,000.00
	A22	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A23	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$46,000.00
MECHANICAL						$714,400.00
	M1	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$50,400.00
	M2	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M3	Replace Music room air handling unit and consider DX unit with electric	2.2	CA-DP	MECH	$102,000.00
	M4	Replace 2-cell Primus by Marley cooling tower (installed in 2004, replace in 2024).	3	DRS	CT	$184,000.00
	M5	Replace (2) Carrier water cooled chillers (installed in 2004, replace in 2024).	3	DRS	HVAC	$288,000.00
ELECTRICAL						$429,000.00
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$237,000.00
	E3	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E4	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$100,800.00
	P1	Replace (2) A.O. Smith domestic water heaters (installed in 2005, replace in 2018).	2.1	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,439,225.00
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: Need to have the Cafeteria sound system updated. Also having issues with jacks for microphone and sound equipment in bottom stair riser.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new clock system.	3	CA	CLK	$136,275.00
	T5	Provide new intercom system.	3	CA	PA	$136,275.00
	T6	Provide new technology cabling.	3	CA	TECH	$136,275.00
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$664,650.00
	FL1	Replace Generac emergency generator - (installed in 2006, replace in 2021).	2.1	DRS	EG	$69,000.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Provide new security camera system. Staff comment: Cameras are not well placed, additional would be preferred and some need to be relocated.	2.1	CA	SCM	$258,750.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2014, next renewal in 2024.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$284,400.00
SECURITY						$183,425.00
	S1	Provide new access control system.	3	CA	SCR	$138,000.00
	S2	Provide new intrusion detection system.	3	CA	SIA	$45,425.00
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

SUMMERWOOD ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$718,750.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$636,300.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$308,400.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$14,825,761.50
4	Future Consideration - (Life Expectancy: 10 + years)	$918,590.80
		$17,407,802.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

TIMBERS ELEMENTARY SCHOOL

Timbers
Elementary
Building the Future



Aerial Site Plan



6910 Lonesome Woods
Humble, Texas 77346

ORIGINAL BUILDING COMPLETED: 1981
BUILDING AREA: 76,322 SF
SITE ACREAGE: 9.94
BUILDING CAPACITY: 650
CURRENT ENROLLMENT: 755
ENROLLMENT AS OF: 2016-2017

TIMBERS ELEMENTARY SCHOOL

Front Door



Existing Site Plan



TIMBERS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$190,750.00
Priority - 2.1	$7,381,490.00
Priority - 2.2	$601,950.00
Priority - 3	$12,982,216.50
Priority - 4	$1,569,557.70
Priority Totals	$22,725,964.20

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$378,600.00	$0.00	$378,600.00
Building Envelope	$0.00	$0.00	$28,750.00	$12,000.00	$1,095,000.00	$0.00	$1,135,750.00
Architectural	$0.00	$190,750.00	$5,180,040.00	$244,950.00	$9,183,609.00	$668,062.50	$15,467,411.50
Mechanical	$0.00	$0.00	$1,267,200.00	$279,000.00	$180,000.00	$312,000.00	$2,038,200.00
Electrical	$0.00	$0.00	$294,000.00	$66,000.00	$336,534.00	$0.00	$696,534.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$460,800.00	$0.00	$460,800.00
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,231,421.15	$0.00	$1,393,571.15
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$75,900.00	$589,495.20	$969,745.20
Security	$0.00	$0.00	$0.00	$0.00	$40,352.35	$0.00	$40,352.35
Nutrition Services	$0.00	$0.00	$145,000.00	$0.00	$0.00	$0.00	$145,000.00
Priority Totals	$0.00	$190,750.00	$7,381,490.00	$601,950.00	$12,982,216.50	$1,569,557.70	**$22,725,964.20**

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 final scope of work will be included.

TIMBERS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$378,600.00
	C1	Investigate/repair possible water leak.	3	CA	SD	$6,000.00
	C2	Install storm inlet.	3	CA	SD	$30,000.00
	C3	Install storm pipe.	3	CA	SD	$180,000.00
	C4	Hydromulch.	3	CA	SPM	$3,000.00
	C5	Remove and replace concrete sidewalk.	3	CA	SPM	$4,800.00
	C6	Remove and replace concrete paving.	3	CA	SPM	$28,800.00
	C7	Regrading.	3	CA	SPM	$30,000.00
	C8	Add 20 additional staff parking spaces.	3	DRS	SPN	$96,000.00
BUILDING ENVELOPE						$1,135,750.00
	B1	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
	B2	Replace or repair all cracked/broken brick and miscellaneous damaged plaster. Provide tuck point repair at all cracked mortar joints.	2.2	CA	WRE	$12,000.00
	B3	Replace existing roof at New Wing. (Original roof 2006, scheduled replacement 2026).	3	CA	RFR	$15,000.00
	B4	Replace existing roof. (Last replacement 2003, scheduled replacement 2023).	3	CA	RFR	$1,080,000.00
ARCHITECTURAL						$15,467,411.50
	A1	(Egress Doors) - Doors do not have electric magnet, to keep doors open they must be propped open.	1	CA-DP	LS	$24,000.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2005.	1	DRS	PTG	$166,750.00
	A3	Renovate and expand Kitchen and servery. Provide Manager's office (currently 5'x7' alcove at receiving door). Increase square footage to 2,900 Sq.Ft. Build to meet ADA requirements. Provide (2) total serving lines. Currently has (1) manufactured in 2014 which can be reused/relocated. Add required air screen at receiving door. Tray drop at warewash is not ADA.	2.1	CA-DP	ADD	$1,375,000.00
	A4	Replace existing casework throughout as part of Campus Casework Replacement Project.	2.1	CA-DP	CWK	$402,500.00
	A5	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A9	Classroom addition to include eight (8) classrooms.	2.1	CA-DP	ADD	$3,307,500.00
	A6	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	2.2	CA-DP	DR	$244,950.00
	A7	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$15,488.00
	A8	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$1,400,000.00
	A10	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$4,309,375.00
	A11	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A12	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$918,750.00
	A13	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	3	CA-DP	CLG	$300,476.00

TIMBERS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A14	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$51,520.00
	A15	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$80,500.00
	A16	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$360,000.00
	A17	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A18	Renovate existing Computer Labs to bring up to current district standard (21st Century Design)	3	CA-DP	REN	$156,250.00
	A19	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$543,750.00
	A20	(Window) - Replace exterior windows (the windows are not insulated and the window tint is peeling).	3	CA-DP	WDW	$172,500.00
	A21	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2012 scheduled for 2027).	4	DRS	FLR	$304,750.00
	A22	(Stage) - Provide accessible lift at Stage.	4	CA-DP	LS	$14,400.00
	A23	Replace all marker boards campus-wide.	4	CA	MBTB	$60,950.00
	A24	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A25	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$44,062.50
	A26	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A27	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$52,900.00
MECHANICAL						$2,038,200.00
	M1	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$100,800.00
	M2	Replace chilled and heating water piping and insulation in original 1981 portion of building.	2.1	CA	HVAC	$302,400.00
	M3	Replace air handling units in original 1981 portion of building.	2.1	CA	HVAC	$864,000.00
	M4	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M5	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$135,000.00
	M6	Provide DX cooling in Administration area.	2.2	CA-DP	MECH	$108,000.00
	M7	Replace P-K heating boiler (installed in 2010, replace in 2025).	3	DRS	HVAC	$180,000.00
	M8	Replace (2) Carrier air cooled chillers (installed in 2012, replace in 2027). Remove chilled water storage tank.	4	DRS	HVAC	$312,000.00
ELECTRICAL						$696,534.00
	E1	Selected panelboard replacement. Provide capacity for future branch circuits.	2.1	CA	ED	$54,000.00
	E2	Replace main electrical switchboard.	2.1	CA	ED	$60,000.00
	E3	Replace lighting in classrooms in original 1981 portion of building.	2.1	CA-DP	LTG	$180,000.00
	E4	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E5	Upgrade interior lighting to LED.	3	CA-DP	LTG	$210,534.00
	E6	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E7	Provide LED lighting in parking lot. Principal comment: could use additional lighting in the back parking lot and back of school at portables.	3	CA-DP	SL	$78,000.00
PLUMBING						$460,800.00

TIMBERS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	P1	Replace galvanized domestic water piping in original 1981 portion of building.	3	CA-DP	PLB	$360,000.00
	P2	Replace (2) Ruud domestic water heaters (installed in 2012, replace in 2025).	3	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,393,571.15
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T4	Provide new clock system.	3	CA	CLK	$121,057.05
	T5	Provide new intercom system.	3	CA	PA	$121,057.05
	T6	Provide new technology cabling.	3	CA	TECH	$121,057.05
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$969,745.20
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system. Principal comment: would like to see more cameras.	2.1	CA	SCM	$258,750.00
	FL3	Replace Generac emergency generator (installed in 2009, replace in 2024).	3	DRS	EG	$69,000.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$252,640.80
	FL6	Provide a fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$336,854.40
SECURITY						$40,352.35
	S1	Provide new intrusion detection system.	3	CA	SIA	$40,352.35
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	2.1	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	2.1	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$190,750.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$7,381,490.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$601,950.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$12,982,216.50
4	Future Consideration - (Life Expectancy: 10 + years)	$1,569,557.70
		$22,725,964.20

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$0.00

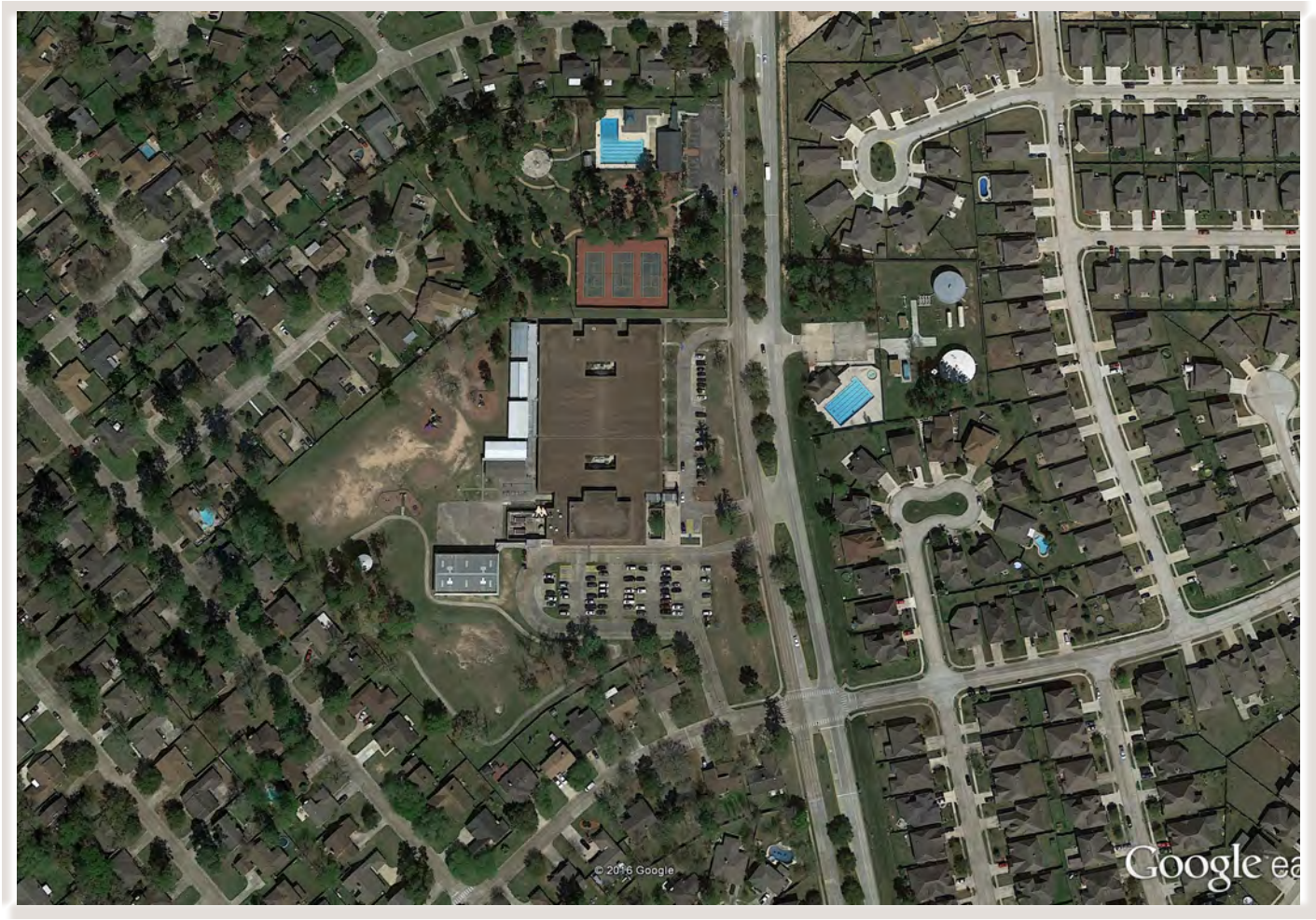
NOTE: There are "Priority Maintenance" line items in this report that are considered "either/or" scope items. As decisions are made in the future regarding individual line items only the appropriate cost for the final scope of work will be included.

WHISPERING PINES ELEMENTARY SCHOOL

Whispering Pines
Elementary
Panda Proud



Aerial Site Plan



17321 Woodland Hills
Humble, Texas 77339

ORIGINAL BUILDING COMPLETED: 1991
BUILDING AREA: 82,960 SF
SITE ACREAGE: 10.66
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 697
ENROLLMENT AS OF: 2016-2017

WHISPERING PINES ELEMENTARY SCHOOL

Front Door



Existing Site Plan



WHISPERING PINES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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Priority	Total Cost
Priority - 1	$616,750.00
Priority - 2.1	$2,793,246.00
Priority - 2.2	$1,648,000.00
Priority - 3	$15,749,973.00
Priority - 4	$1,311,849.20
Priority Totals	$22,119,818.20

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$60,000.00	$0.00	$193,800.00	$0.00	$253,800.00
Building Envelope	$0.00	$0.00	$51,750.00	$0.00	$1,080,000.00	$0.00	$1,131,750.00
Architectural	$0.00	$304,750.00	$198,560.00	$1,375,000.00	$11,926,363.00	$514,185.20	$14,318,858.20
Mechanical	$0.00	$312,000.00	$1,935,936.00	$153,000.00	$180,000.00	$0.00	$2,580,936.00
Electrical	$0.00	$0.00	$0.00	$120,000.00	$573,984.00	$0.00	$693,984.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$298,656.00	$100,800.00	$399,456.00
Technology	$0.00	$0.00	$162,150.00	$0.00	$1,297,568.00	$0.00	$1,459,718.00
Fire & Life Safety	$0.00	$0.00	$384,850.00	$0.00	$6,900.00	$696,864.00	$1,088,614.00
Security	$0.00	$0.00	$0.00	$0.00	$47,702.00	$0.00	$47,702.00
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$616,750.00	$2,793,246.00	$1,648,000.00	$15,749,973.00	$1,311,849.20	**$22,119,818.20**

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 final scope of work will be included.

WHISPERING PINES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						$253,800.00
	C1	(Portable Buildings) - Portable Buildings have drainage issues.	2.1	CA-DP	SD	$60,000.00
	C2	Install storm inlet/undermining repair.	3	CA	SD	$18,000.00
	C3	Install storm inlet.	3	CA	SD	$18,000.00
	C4	Install storm pipe.	3	CA	SD	$54,000.00
	C5	Hydromulch.	3	CA	SPM	$3,000.00
	C6	Remove and replace concrete sidewalk.	3	CA	SPM	$4,800.00
	C7	Remove and replace concrete paving.	3	CA	SPM	$96,000.00
BUILDING ENVELOPE						$1,131,750.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA	WS	$23,000.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
	B3	Replace existing roof. (Original roof 1991, refurbished in 2006, replaced in 2016, next replacement 2026).	3	DRS	RFR	$1,080,000.00
ARCHITECTURAL						$14,318,858.20
	A1	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2000 /2003 & 2002 (classrooms only) scheduled for 2018).	1	DRS	FLR	$304,750.00
	A2	(Cafeteria) - Remove current partition and replace with wall and doors.	2.1	CA-DP	INT	$20,700.00
	A3	Add 6' chain link fencing around playground area.	2.1	UNIF	SF	$12,570.00
	A4	(Site) - Provide a 6' chain link fence. Neighboring fences are dilapidated, neighbors cut through school property, issues with neighbor's dogs. Need a fence to keep public out of pavilion and portable buildings. Enclose Portable Buildings (currently have no security).	2.1	CA-DP	SF	$30,000.00
	A5	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A6	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$40,250.00
	A7	Renovate and expand Kitchen and servery. Provide Manager's office (currently 5'x7' alcove at receiving door). Increase square footage to 2,900 Sq. Ft. Build to meet ADA requirements. Currently has (2) serving lines manufactured in 2011 which can be reused/relocated. Add required air screen at receiving door. Tray drop at warewash is not ADA.	2.2	CA-DP	ADD	$1,375,000.00
	A8	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$15,488.00
	A9	(Cafeteria) - Add acoustic panels (the acoustics are bad in the Cafeteria).	3	CA-DP	ACO	$19,800.00
	A10	(Core Capacity - Cafeteria) - Addition to increase core capacity to match actual capacity.	3	UNIF	ADD	$677,250.00
	A11	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$752,500.00
	A12	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$853,125.00
	A13	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A14	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$2,625,000.00

WHISPERING PINES ELEMENTARY SCHOOL

Proposed Work Items

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A15	Classroom addition to include eight classrooms.	3	CA-DP	ADD	$3,937,500.00
	A16	Replace existing casework throughout, as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A17	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$80,500.00
	A18	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$251,850.00
	A19	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$381,600.00
	A20	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2011 scheduled for 2022).	3	DRS	PTG	$166,750.00
	A21	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A22	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$250,000.00
	A23	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$637,500.00
	A24	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$301,435.20
	A25	Replace all marker boards campus-wide.	4	CA	MBTB	$51,750.00
	A26	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
MECHANICAL						$2,580,936.00
	M1	Replace (2) McQuay chillers (installed in 2003, replace in 2018). Remove chilled water storage tank.	1	DRS	HVAC	$312,000.00
	M2	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$42,000.00
	M3	Replace chilled and heating water piping and insulation.	2.1	CA	HVAC	$597,312.00
	M4	Replace air handling units. Remove meters at units (no longer used).	2.1	CA	HVAC	$1,194,624.00
	M5	Replace music room air handling unit and consider DX unit with electric	2.1	CA-DP	MECH	$102,000.00
	M6	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M7	Provide DX cooling in Administration area.	2.2	CA-DP	MECH	$108,000.00
	M8	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
ELECTRICAL						$693,984.00
	E1	Add egress lighting in restrooms.	2.2	CA-DP	ELE	$54,000.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E3	Provide automatic control of interior lighting.	3	CA	LTG	$199,104.00
	E4	Upgrade interior lighting to LED.	3	CA-DP	LTG	$248,880.00
	E5	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E6	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$399,456.00
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$298,656.00
	P2	Replace (2) Rheem water heaters (installed in 2015, replace 2028).	4	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,459,718.00
	T1	Provide new local sound and video in Cafeteria/Gym.	2.1	CA	AV	$75,900.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$523,250.00

WHISPERING PINES ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T4	Provide new clock system.	3	CA	CLK	$143,106.00
	T5	Provide new intercom system.	3	CA	PA	$143,106.00
	T6	Provide new technology cabling.	3	CA	TECH	$143,106.00
	T7	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$1,088,614.00
	FL1	Replace Generac emergency generator - (installed in 2006, replace in 2021).	2.1	DRS	EG	$80,500.00
	FL2	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL3	Provide new security camera system.	2.1	CA	SCM	$258,750.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$298,656.00
	FL6	Provide a fire sprinkler system. Coordinate with ceiling replacement.	4	CA-DP	FSPR	$398,208.00
SECURITY						$47,702.00
	S1	Provide new intrusion detection system.	3	CA	SIA	$47,702.00
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$616,750.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$2,793,246.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$1,648,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$15,749,973.00
4	Future Consideration - (Life Expectancy: 10 + years)	$1,311,849.20
		$22,119,818.20

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

WILLOW CREEK ELEMENTARY SCHOOL

Willow Creek
Elementary
WCE Cardinals Are Kind, Safe, Respectful and Responsible



Aerial Site Plan

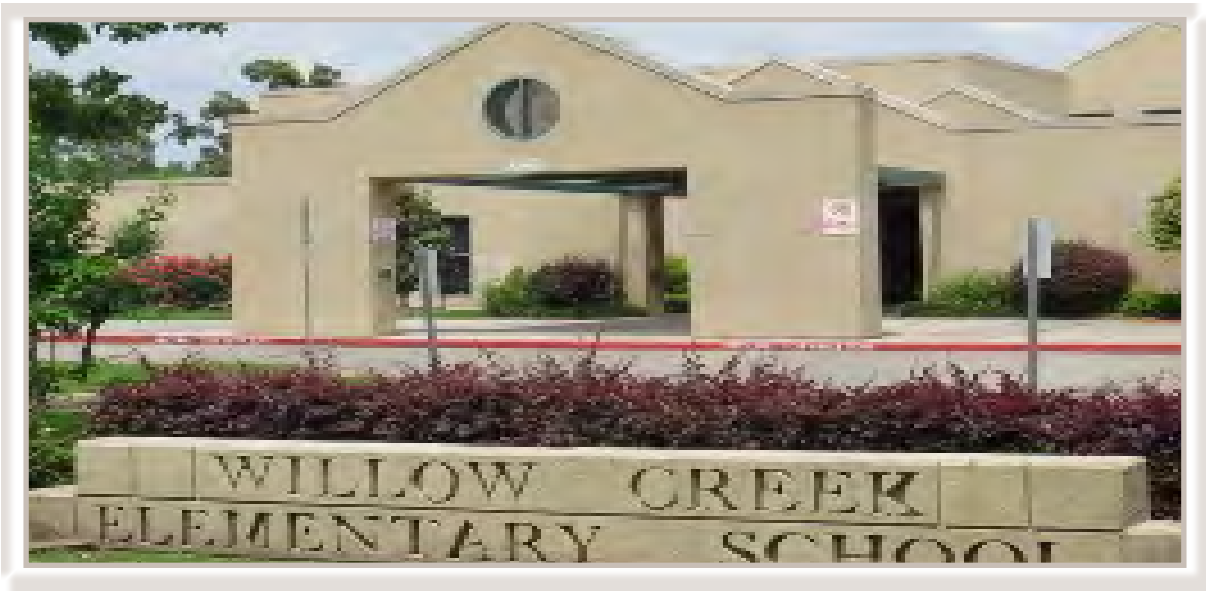


2002 Willow Terrace
Kingwood, Texas 77345

ORIGINAL BUILDING COMPLETED: 1988
BUILDING AREA: 72,334 SF
SITE ACREAGE: 11.45
BUILDING CAPACITY: 700
CURRENT ENROLLMENT: 529
ENROLLMENT AS OF: 2016-2017

WILLOW CREEK ELEMENTARY SCHOOL

Front Door



Existing Site Plan



WILLOW CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$798,315.30
Priority - 2.1	$3,105,164.40
Priority - 2.2	$177,000.00
Priority - 3	$10,124,798.90
Priority - 4	$1,226,837.60
Priority Totals	$15,432,116.20

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$10,937.50	$0.00	$0.00	$29,400.00	$0.00	$40,337.50
Building Envelope	$0.00	$0.00	$155,250.00	$12,000.00	$1,080,000.00	$0.00	$1,247,250.00
Architectural	$0.00	$472,650.00	$747,000.00	$0.00	$5,861,420.00	$966,435.20	$8,047,505.20
Mechanical	$0.00	$303,802.80	$1,736,414.40	$45,000.00	$600,000.00	$0.00	$2,685,217.20
Electrical	$0.00	$0.00	$0.00	$120,000.00	$343,002.00	$0.00	$463,002.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$694,406.40	$0.00	$694,406.40
Technology	$0.00	$10,925.00	$162,150.00	$0.00	$1,242,578.45	$0.00	$1,415,653.45
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$87,400.00	$260,402.40	$652,152.40
Security	$0.00	$0.00	$0.00	$0.00	$41,592.05	$0.00	$41,592.05
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$798,315.30	$3,105,164.40	$177,000.00	$10,124,798.90	$1,226,837.60	**$15,432,116.20**

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 final scope of work will be included.

WILLOW CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$40,337.50
	C1	(Classrooms) - Need better rails at Kindergarten exit. Remove wood and install a rail and ramp.	1	CA-DP	REN	$10,937.50
	C2	Hydromulch.	3	CA	SPM	$3,000.00
	C3	Remove and replace concrete sidewalk.	3	CA	SPM	$4,800.00
	C4	Remove and replace concrete paving (playground).	3	CA	SPM	$9,600.00
	C5	Regrade greenspace and rebuild swales.	3	CA	SPM	$12,000.00
BUILDING ENVELOPE						$1,247,250.00
	B1	Replace single pane windows with new.	2.1	CA-DP	WDW	$126,500.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.1	CA	WS	$28,750.00
	B3	Replace or repair all cracked/broken brick and miscellaneous damaged plaster. Provide tuck point repair at all cracked mortar joints.	2.2	CA	WRE	$12,000.00
	B4	Replace existing roof. (Last replacement 2003, scheduled replacement 2023).	3	CA	RFR	$1,080,000.00
ARCHITECTURAL						$8,047,505.20
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$167,900.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1988/2003 scheduled for 2018).	1	DRS	FLR	$304,750.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2010 scheduled for summer 2020).	2.1	DRS	PTG	$166,750.00
	A4	Perform foundation repairs to stop settlement at southeast corner of the building.	2.1	CA-DP	STR	$540,000.00
	A5	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	2.1	CA-DP	TP	$40,250.00
	A6	Renovate and expand Kitchen and servery. Provide Manager's office (currently 5'x7' alcove at receiving door). Increase square footage to 2,900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Currently has (1) manufactured in 2013 which can be reused/relocated. Add required air screen at receiving door. Tray drop at Warewash is not ADA.	3	CA-DP	ADD	$1,375,000.00
	A7	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$787,500.00
	A8	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00
	A9	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$1,242,500.00
	A10	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	3	CA-DP	DR	$80,500.00
	A11	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	3	CA-DP	DR	$251,850.00
	A12	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	3	CA-DP	DR	$51,520.00

WILLOW CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	A13	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$252,000.00
	A14	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A15	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$250,000.00
	A16	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$637,500.00
	A17	Add 6' chain link fencing around playground area.	3	UNIF	SF	$58,050.00
	A18	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$301,435.20
	A19	Replace existing casework throughout as part of Campus Casework Replacement Project.	4	CA-DP	CWK	$402,500.00
	A20	Replace all marker boards campus-wide.	4	CA	MBTB	$51,750.00
	A21	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A22	(Library) - Enclose Library with walls and storefront.	4	UNIF	REN	$46,875.00
	A23	(Room 204) - Move interface for presentation to whiteboard to the side of room.	4	CA-DP	TECH	$2,875.00
MECHANICAL						$2,685,217.20
	M1	Provide DDC upgrade.	1	CA-DP	HVAC	$303,802.80
	M2	Interlock exhaust fans with air handling units.	2.1	CA-DP	HVAC	$36,000.00
	M3	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$36,000.00
	M4	Replace chilled and heating water piping and insulation.	2.1	CA	HVAC	$520,804.80
	M5	Replace air handling units. Remove meters adjacent to units.	2.1	CA	HVAC	$1,041,609.60
	M6	Replace Music room air handling unit and consider DX unit with electric	2.1	CA-DP	MECH	$102,000.00
	M7	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M8	Replace (2) McQuay chillers (installed in 2005, replace in 2025). Remove chilled water storage tank.	3	DRS	HVAC	$312,000.00
	M9	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$180,000.00
	M10	Provide DX cooling in Administration area.	3	CA-DP	MECH	$108,000.00
ELECTRICAL						$463,002.00
	E1	Add egress lighting in restrooms.	2.2	CA-DP	ELE	$54,000.00
	E2	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$217,002.00
	E4	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
	E5	Provide LED lighting in parking lot.	3	CA-DP	SL	$78,000.00
PLUMBING						$694,406.40
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$260,402.40
	P2	Replace galvanized domestic water piping.	3	CA	PLB	$434,004.00
TECHNOLOGY						$1,415,653.45
	T1	(Intercom system) - Ensure system works outside of the building.	1	CA-DP	PA	$10,925.00
	T2	Provide new local sound and video in Cafeteria/Gym. Staff comment: sound system is deteriorating.	2.1	CA	AV	$75,900.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00

WILLOW CREEK ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	T4	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T5	Provide new clock system.	3	CA	CLK	$124,776.15
	T6	Provide new intercom system.	3	CA	PA	$124,776.15
	T7	Provide new technology cabling.	3	CA	TECH	$124,776.15
	T8	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$652,152.40
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system.	2.1	CA	SCM	$258,750.00
	FL3	Replace Cummins emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$80,500.00
	FL4	Renew curtain flame retardant substrate. Last replaced in 2015, next renewal in 2025.	3	DRS	MEQ	$6,900.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$260,402.40
SECURITY						$41,592.05
	S1	Provide new intrusion detection system.	3	CA	SIA	$41,592.05
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$798,315.30
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$3,105,164.40
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$177,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$10,124,798.90
4	Future Consideration - (Life Expectancy: 10 + years)	$1,226,837.60
		$15,432,116.20

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

WOODLAND HILLS ELEMENTARY SCHOOL

Woodland Hills
Elementary
Respectful, Responsible, Reliable



Aerial Site Plan



2222 Tree Lane
Kingwood, Texas 77339

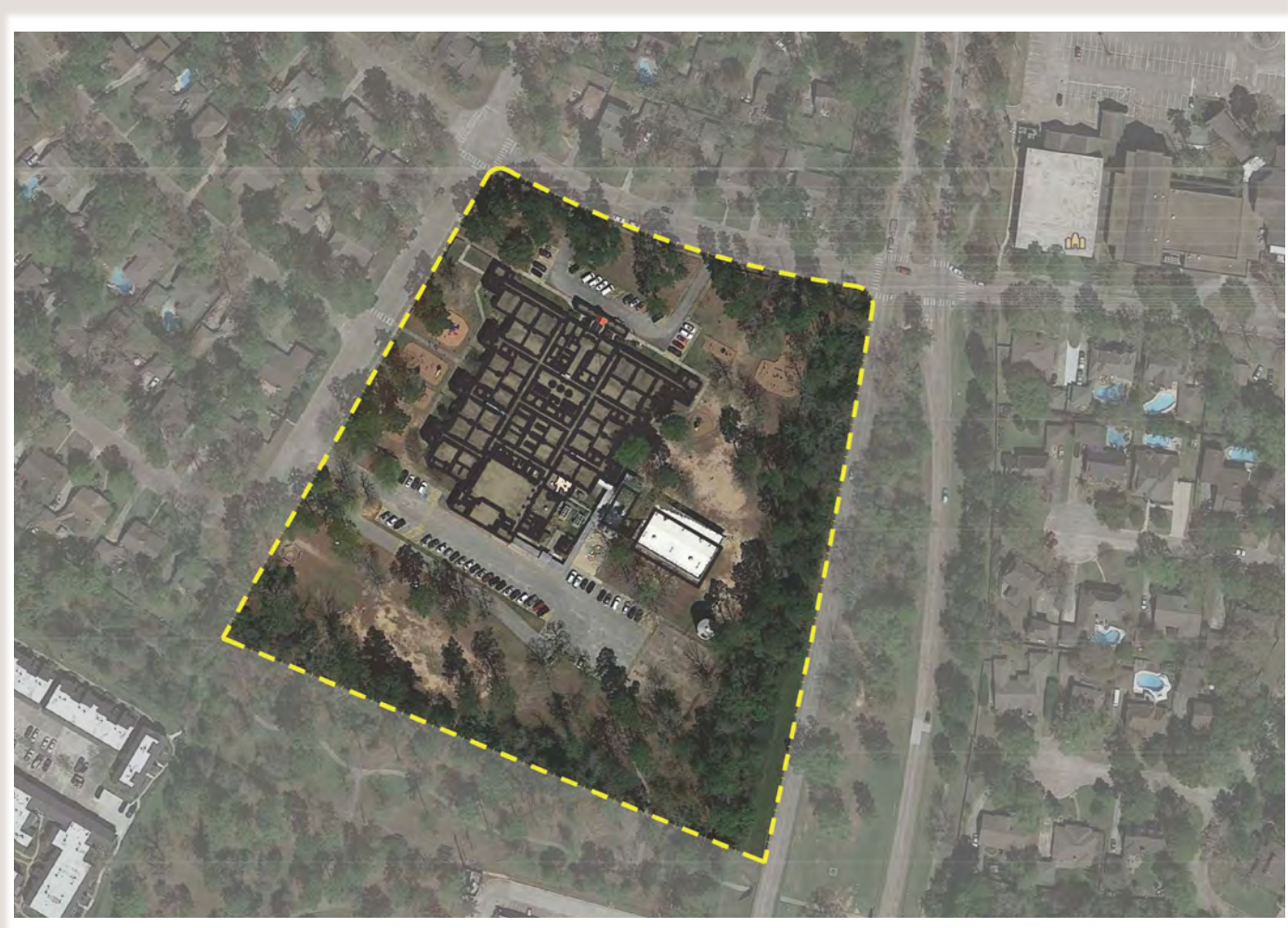
ORIGINAL BUILDING COMPLETED: 1976
BUILDING AREA: 67,315 SF
SITE ACREAGE: 10.44
BUILDING CAPACITY: 650
CURRENT ENROLLMENT: 570
ENROLLMENT AS OF: 2016-2017

WOODLAND HILLS ELEMENTARY SCHOOL

Front Door



Existing Site Plan



WOODLAND HILLS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$1,141,200.00
Priority - 2.1	$1,368,638.18
Priority - 2.2	$2,969,502.80
Priority - 3	$12,176,108.65
Priority - 4	$1,105,954.40
Priority Totals	$18,761,404.03

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$546,600.00	$0.00	$546,600.00
Building Envelope	$0.00	$810,000.00	$23,000.00	$28,750.00	$145,500.00	$0.00	$1,007,250.00
Architectural	$0.00	$331,200.00	$731,335.00	$1,375,000.00	$7,488,362.00	$519,695.60	$10,445,592.60
Mechanical	$0.00	$0.00	$0.00	$1,499,752.80	$1,493,474.40	$180,000.00	$3,173,227.20
Electrical	$0.00	$0.00	$0.00	$66,000.00	$480,688.20	$0.00	$546,688.20
Plumbing	$0.00	$0.00	$0.00	$0.00	$630,556.80	$100,800.00	$731,356.80
Technology	$0.00	$0.00	$303,053.18	$0.00	$1,208,159.53	$0.00	$1,511,212.70
Fire & Life Safety	$0.00	$0.00	$311,250.00	$0.00	$0.00	$305,458.80	$616,708.80
Security	$0.00	$0.00	$0.00	$0.00	$37,767.73	$0.00	$37,767.73
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$1,141,200.00	$1,368,638.18	$2,969,502.80	$12,176,108.65	$1,105,954.40	**$18,761,404.03**

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 final scope of work will be included.

WOODLAND HILLS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$546,600.00
	C1	Install storm inlet.	3	CA	SD	$24,000.00
	C2	Roof drain grading.	3	CA	SD	$30,000.00
	C3	Install storm pipe.	3	CA	SD	$72,000.00
	C4	Hydromulch.	3	CA	SPM	$3,000.00
	C5	Remove and replace concrete sidewalk.	3	CA	SPM	$9,600.00
	C6	Remove and replace asphalt.	3	CA	SPM	$204,000.00
	C7	Add/repair pavement markings at asphalt.	3	CA	SPM	$204,000.00
BUILDING ENVELOPE						$1,007,250.00
	B1	Replace existing built up roof at Main Building. (Last replacement 2004, scheduled replacement 2024).	1	DRS	RFR	$810,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.1	CA	WS	$23,000.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$28,750.00
	B4	Replace existing modified bitumen roof at Addition. (Last replacement 2004, scheduled replacement 2024).	3	DRS	RFR	$3,000.00
	B5	Replace existing built up roof at New Wing. (Original roof 2000, scheduled replacement 2020).	3	DRS	RFR	$142,500.00
ARCHITECTURAL						$10,445,592.60
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$164,450.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2004.	1	DRS	PTG	$166,750.00
	A3	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	2.1	CA-DP	DR	$33,120.00
	A4	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	2.1	CA-DP	DR	$51,750.00
	A5	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	2.1	CA-DP	DR	$246,675.00
	A6	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 1997/2004 scheduled for 2019).	2.1	DRS	FLR	$304,750.00
	A7	Add a one-quarter (1/4) mile long, six foot (6') wide concrete walking path.	2.1	UNIF	SPN	$95,040.00
	A8	Renovate and expand Kitchen and servery. Increase square footage to 2,900 Sq. Ft. Build to meet ADA requirements. Provide (2) total serving lines. Currently has (1) manufactured in 2013 which can be relocated/reused. Add required air screen at receiving door. Tray drop at Warewash is not ADA.	2.2	CA-DP	ADD	$1,375,000.00
	A9	(Cafeteria) - Replace acoustic wall panels.	3	UNIF	ACO	$3,872.00
	A10	(Large Meeting Space) - Add a large meeting space (size dependent on capacity 65-100 staff). Also need a secure storage space for instructional/general materials.	3	UNIF	ADD	$586,250.00
	A11	(Specialty Instruction) - Addition to include District standard Art room and Science room.	3	UNIF	ADD	$853,125.00
	A12	(Special Education) - Renovate Special Education area to match current District standard (Elementary School 28 is model for current District standard). Renovation consists of renovating interior space and addition.	3	CA-DP	ADD	$862,500.00

WOODLAND HILLS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	A13	(Collaboration/Flex Spaces) - Add student instructional planning and collaborative space per grade level, with space for RTI, small group instruction (minimum 350 sq. ft.) and adult instructional, flexible collaborative spaces. Also includes designated PTO	3	UNIF	ADD	$3,587,500.00
	A14	Replace existing casework throughout as part of Campus Casework Replacement Project.	3	CA-DP	CWK	$402,500.00
	A15	Natural light in every classroom - 21" solar tube, roof curb, trim at existing location.	3	UNIF	LTG	$295,200.00
	A16	(Art) - Add a kiln to an existing storage room adjacent to existing Art room (includes minor renovation to storage room to accommodate kiln and storage).	3	CA-DP	REN	$12,500.00
	A17	Renovate existing Computer Labs to bring up to current District standard (21st Century Design).	3	CA-DP	REN	$265,625.00
	A18	Library Upgrades/Reconfiguration: Includes flexible learning areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$562,500.00
	A19	Add 6' chain link fencing around playground area.	3	UNIF	SF	$56,790.00
	A20	Replace existing ceiling throughout, as part of Ceiling Replacement Project.	4	CA-DP	CLG	$244,745.60
	A21	Replace all marker boards campus-wide.	4	CA	MBTB	$54,050.00
	A22	Add outdoor learning spaces.	4	UNIF	OUTDR	$161,000.00
	A23	Add an open community hardtop basketball court (asphalt surface).	4	UNIF	SPN	$30,000.00
	A24	Replace existing toilet partitions throughout as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$29,900.00
MECHANICAL						$3,173,227.20
	M1	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M2	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M3	Replace chilled and heating water piping and insulation. Coordinate with ceiling replacement.	2.2	CA-DP	HVAC	$472,917.60
	M4	Replace air handling units. Remove meters adjacent to AHUs.	2.2	CA-DP	HVAC	$945,835.20
	M5	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$78,000.00
	M6	Replace (2) McQuay air cooled chillers (installed in 2005, replace in 2025). Remove chilled water storage tank.	3	DRS	HVAC	$312,000.00
	M7	Replace rooftop units.	3	CA-DP	HVAC	$1,103,474.40
	M8	Replace P-K boiler (installed in 2012, replace in 2027).	4	DRS	HVAC	$180,000.00
ELECTRICAL						$546,688.20
	E1	Provide new theatrical lighting in Cafeteria/Gym.	2.2	CA	LTG	$66,000.00
	E2	Provide automatic control of interior lighting.	3	CA-DP	LTG	$157,639.20
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$197,049.00
	E4	Provide LED building exterior lighting. Principal Comment: need additional lighting at several areas.	3	PQI	SL	$48,000.00
	E5	LED parking lot lighting upgrade. Principal comment: need additional lighting at front and rear.	3	PQI	SL	$78,000.00
PLUMBING						$731,356.80
	P1	Replace galvanized domestic water piping. Staff comment: occasionally see discolored water when flushing toilets.	3	CA-DP	PLB	$394,098.00
	P2	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$236,458.80
	P3	Replace (2) Rheem water heaters (installed in 2014, replace in 2027).	4	DRS	WTRH	$100,800.00
TECHNOLOGY						$1,511,212.70

WOODLAND HILLS ELEMENTARY SCHOOL

Proposed Work Items

Print Date: 6/8/2017

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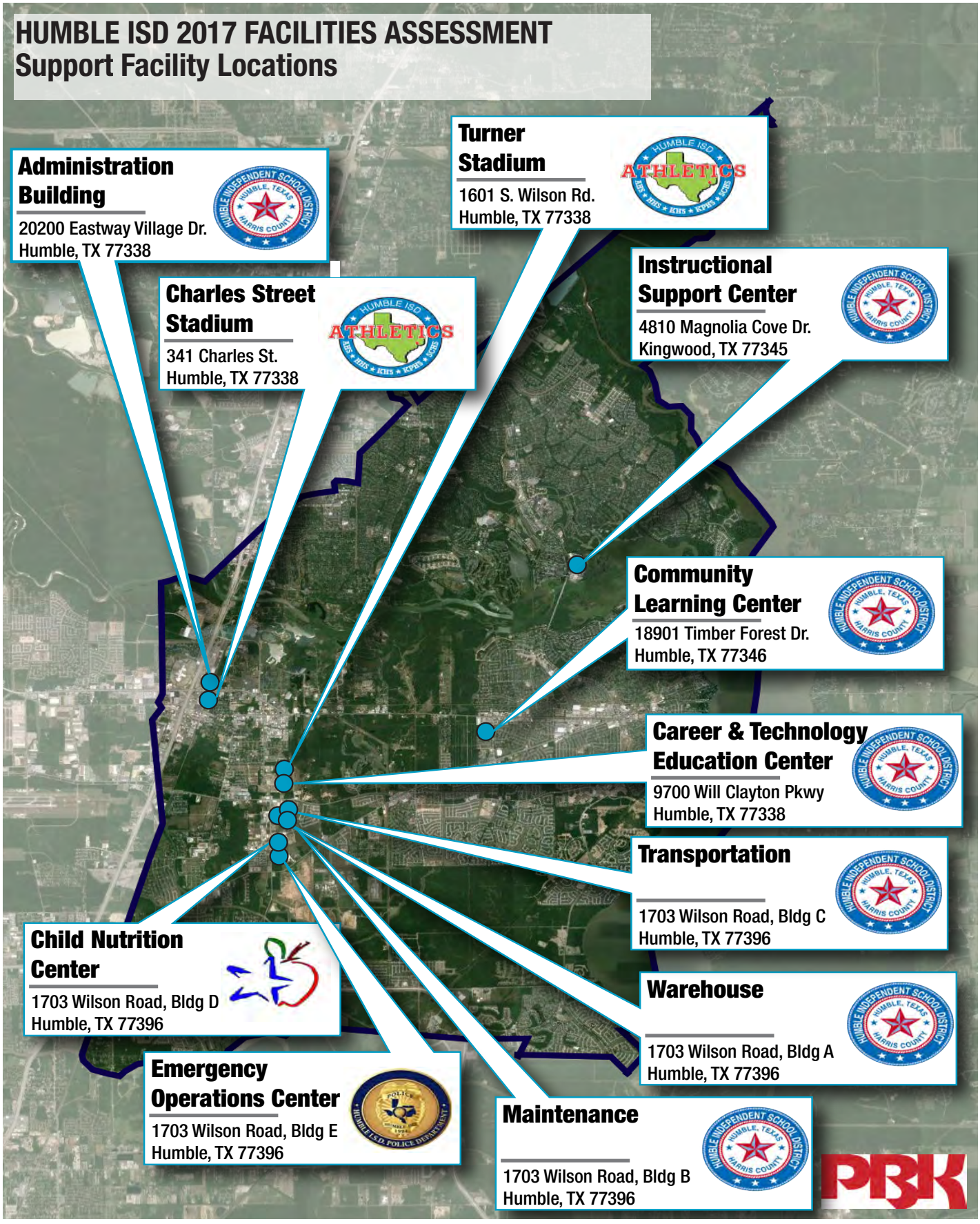
DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
	T1	Provide new local sound and video in Cafeteria/Gym. Staff comment: Need ceiling mounted projector in the Cafeteria.	2.1	CA	AV	$75,900.00
	T2	Provide IP phone system.	2.1	CA	AV	$113,303.18
	T3	Provide additional data outlets in classrooms for computers.	2.1	PQI	TECH	$27,600.00
	T4	Wireless access upgrade.	2.1	CA-DP	TECH	$86,250.00
	T5	Provide new classroom projection equipment.	3	CA	AV	$523,250.00
	T6	Provide new clock system.	3	CA	CLK	$113,303.18
	T7	Provide new intercom system.	3	CA	PA	$113,303.18
	T8	Provide new technology cabling.	3	CA	TECH	$113,303.18
	T9	Upgrade network equipment.	3	CA	TECH	$345,000.00
FIRE & LIFE SAFETY						$616,708.80
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Renew curtain flame retardant substrate. Last replaced in 2016, next renewal in 2026.	2.1	DRS	MEQ	$6,900.00
	FL3	Provide new security camera system. Staff comment: need more cameras pointing at exterior doors.	2.1	CA	SCM	$258,750.00
	FL4	Replace Kohler emergency generator (installed in 2013, replace in 2028).	4	DRS	EG	$69,000.00
	FL5	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$236,458.80
SECURITY						$37,767.73
	S1	Provide new intrusion detection system.	3	CA	SIA	$37,767.73
NUTRITION SERVICES						$145,000.00
	NS1	Incorporate VFDs into exhaust hoods.	3	CA-DP	MEQ	$57,500.00
	NS2	Renovate warewash area dish tables and incorporate scrapping type disposer.	3	CA-DP	REN	$87,500.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$1,141,200.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,368,638.18
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,969,502.80
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$12,176,108.65
4	Future Consideration - (Life Expectancy: 10 + years)	$1,105,954.40
		$18,761,404.03

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

SUPPORT FACILITIES



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ADMINISTRATION BUILDING

Humble
Independent School District



Aerial Site Plan



20200 Eastway Village Dr.
Humble, Texas 77338

ORIGINAL BUILDING COMPLETED: 2000
BUILDING AREA: 40,000 SF
SITE ACREAGE: N/A
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

ADMINISTRATION BUILDING

Front Door



Existing Site Plan



ADMINISTRATION BUILDING

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$368,000.00
Priority - 2.1	$407,250.00
Priority - 2.2	$2,902,275.00
Priority - 3	$1,023,200.00
Priority - 4	$972,000.00
Priority Totals	$5,672,725.00

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$0.00	$8,625.00	$23,000.00	$630,000.00	$661,625.00
Architectural	$0.00	$0.00	$0.00	$2,893,650.00	$51,750.00	$0.00	$2,945,400.00
Mechanical	$0.00	$138,000.00	$45,000.00	$0.00	$164,950.00	$54,000.00	$401,950.00
Electrical	$0.00	$0.00	$0.00	$0.00	$312,000.00	$0.00	$312,000.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$0.00	$144,000.00	$144,000.00
Technology	$0.00	$0.00	$362,250.00	$0.00	$448,500.00	$0.00	$810,750.00
Fire & Life Safety	$0.00	$230,000.00	$0.00	$0.00	$0.00	$144,000.00	$374,000.00
Security	$0.00	$0.00	$0.00	$0.00	$23,000.00	$0.00	$23,000.00
Priority Totals	$0.00	$368,000.00	$407,250.00	$2,902,275.00	$1,023,200.00	$972,000.00	**$5,672,725.00**

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 final scope of work will be included.

ADMINISTRATION BUILDING

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
BUILDING ENVELOPE						$661,625.00
	B1	(Room 453) - Cracks at window to exterior.	2.2	CA-DP	WDW	$8,625.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$11,500.00
	B3	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$11,500.00
	B4	Replace existing thermoplastic roof. (Last replacement 2011, roof overlay 2012, scheduled replacement 2032).	4	DRS	RFR	$630,000.00
ARCHITECTURAL						$2,945,400.00
	A1	Board Room renovation.	2.2	CA-DP	ADD	$405,000.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2000 scheduled for 2020).	2.2	DRS	FLR	$144,900.00
	A3	Renovate existing interior spaces to match up with current needs for office space and to consolidate departments currently spread out throughout the building.	2.2	CA-DP	REN	$2,343,750.00
	A4	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2000 (NEW) scheduled for 2015.	3	DRS	PTG	$51,750.00
MECHANICAL						$401,950.00
	M1	Replace Carrier chiller (installed in 2000, replace in 2020).	1	DRS	HVAC	$138,000.00
	M2	Selected MDF/IDF HVAC unit replacement.	2.1	CA-DP	HVAC	$45,000.00
	M3	Replace Carrier rooftop unit (installed 2011, replace 2023).	3	DRS	HDW	$97,750.00
	M4	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$67,200.00
	M5	(Reception) - HVAC needs to be reviewed. There is no air flow and it is either hot or cold. Entry doors trip thermostat.	4	CA-DP	HVAC	$54,000.00
ELECTRICAL						$312,000.00
	E1	Provide automatic control of interior lighting.	3	CA	LTG	$96,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$120,000.00
	E3	LED parking lot lighting upgrade. Staff comment: some area are poorly lit.	3	CA	SL	$48,000.00
	E4	LED building exterior lighting.	3	CA-DP	SL	$48,000.00
PLUMBING						$144,000.00
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	4	CA-DP	PLB	$144,000.00
TECHNOLOGY						$810,750.00
	T1	Upgrade Board Room audio and video systems. Coordinate with renovation within this space.	2.1	CA-DP	AV	$316,250.00
	T2	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T3	Provide new classroom projection and local sound equipment.	3	CA	AV	$172,500.00
	T4	Provide new technology cabling.	3	CA	TECH	$46,000.00
	T5	Upgrade network equipment.	3	CA	TECH	$230,000.00
FIRE & LIFE SAFETY						$374,000.00
	FL1	Replace Kohler emergency generator (installed in 2000, replace in 2015).	1	DRS	EG	$69,000.00
	FL2	Provide new security camera system. High priority per Jack Bayes.	1	CA	SCM	$161,000.00
	FL3	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$144,000.00
SECURITY						$23,000.00

ADMINISTRATION BUILDING

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	S1	Provide new intrusion detection system.	3	CA	SIA	$23,000.00

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$368,000.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$407,250.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,902,275.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$1,023,200.00
4	Future Consideration - (Life Expectancy: 10 + years)	$972,000.00
		$5,672,725.00

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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CAREER & TECHNOLOGY EDUCATION CENTER

CATE Center

Career and Technology Education Center

Changing Lives and Building Futures



Aerial Site Plan



9700 Will Clayton Pkwy
Humble, Texas 77338

ORIGINAL BUILDING COMPLETED: 2001
BUILDING AREA: 21,406 SF
SITE ACREAGE: 18.50
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

CAREER & TECHNOLOGY EDUCATION CENTER

Front Door



Existing Site Plan



CAREER & TECHNOLOGY EDUCATION CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	*Total Cost*
Priority - 1	***$6,806,445.20***
Priority - 2.1	***$630,775.35***
Priority - 2.2	***$116,400.00***
Priority - 3	***$664,188.75***
Priority - 4	***$207,011.60***
Priority Totals	***$8,424,820.90***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$330,000.00	$0.00	$11,500.00	$0.00	$341,500.00
Architectural	$0.00	$6,662,000.00	$40,250.00	$0.00	$20,700.00	$9,200.00	$6,732,150.00
Mechanical	$0.00	$140,305.20	$108,000.00	$116,400.00	$0.00	$0.00	$364,705.20
Electrical	$0.00	$0.00	$42,000.00	$0.00	$118,218.00	$0.00	$160,218.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$127,461.60	$0.00	$127,461.60
Technology	$0.00	$0.00	$110,525.35	$0.00	$322,250.70	$0.00	$432,776.05
Fire & Life Safety	$0.00	$0.00	$0.00	$0.00	$23,000.00	$197,811.60	$220,811.60
Security	$0.00	$4,140.00	$0.00	$0.00	$41,058.45	$0.00	$45,198.45
Priority Totals	$0.00	$6,806,445.20	$630,775.35	$116,400.00	$664,188.75	$207,011.60	**$8,424,820.90**

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 final scope of work will be included.

CAREER & TECHNOLOGY EDUCATION CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
BUILDING ENVELOPE						$341,500.00
	B1	Replace existing roof. (Last replacement 2001, scheduled replacement 2021).	2.1	DRS	RFR	$330,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA-DP	WDW	$11,500.00
ARCHITECTURAL						$6,732,150.00
	A1	(Classrooms) Classroom addition to provide space the following programs: EMT, Certified Nursing, Cisco, and Sports Medicine.	1	CA-DP	ADD	$5,687,500.00
	A2	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$46,000.00
	A3	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2001 scheduled for 2016 next replacement will be when??)	1	DRS	FLR	$115,000.00
	A4	(Shop) - Renovate the shop space to convert to a more flexible lab space (half of lab will be "clean" with 24 computer workstations and the other half will be a material working shop space).	1	CA-DP	REN	$750,000.00
	A5	(Main Entry) - Need a secure check in area at Main Entry. Current entry is not secure and has a blind spot. Administration are using a mirror.	1	CA-DP	SEC	$36,000.00
	A6	(Site) - Need to change sign, current sign stills says Lonestar, and they are not longer affiliated with Lonestar.	1	CA-DP	SGN	$27,500.00
	A7	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2001 (NEW) scheduled for 2011 next scheduled job???).	2.1	DRS	PTG	$40,250.00
	A8	(Room 116) - Prefer LVT instead of current carpet.	3	CA-DP	FLR	$20,700.00
	A9	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$9,200.00
MECHANICAL						$364,705.20
	M1	Provide DDC upgrade.	1	CA-DP	HVAC	$89,905.20
	M2	Replace Carrier chiller (2001, replace in 2016).	1	DRS	HVAC	$50,400.00
	M3	Provide DX cooling in Administration area.	2.1	CA-DP	HVAC	$108,000.00
	M4	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$26,400.00
	M5	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
ELECTRICAL						$160,218.00
	E1	LED building exterior lighting. Staff comment: dark at rear of building.	2.1	CA-DP	SL	$42,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$64,218.00
	E3	LED parking lot lighting upgrade. Staff comment: Need more lights in back of building, current lighting is dim.	3	CA	SL	$54,000.00
PLUMBING						$127,461.60
	P1	Replace plumbing fixtures, coordinate with architectural upgrade	3	CA-DP	PLB	$77,061.60
	P2	Replace Bradford white water heater (installed 2015, replace 2028).	3	DRS	WTRH	$50,400.00
TECHNOLOGY						$432,776.05
	T1	(Campus wide) - Need data drops at corridors walls that are shared with classrooms.	2.1	CA-DP	TECH	$27,600.00
	T2	Provide new technology cabling.	2.1	CA	TECH	$36,925.35
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T4	Provide new classroom projection equipment.	3	CA	AV	$115,000.00
	T5	Provide new clock system.	3	CA	CLK	$36,925.35

CAREER & TECHNOLOGY EDUCATION CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	T6	Provide new intercom system.	3	CA	PA	$36,925.35
	T7	(Room 104) - Need a better place for data, cable is currently on the floor.	3	CA-DP	TECH	$18,400.00
	T8	Upgrade network equipment.	3	CA	TECH	$115,000.00
FIRE & LIFE SAFETY						$220,811.60
	FL1	Replace Onan emergency generator (installed in 2000, replace in 2016).	3	DRS	EG	$23,000.00
	FL2	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$77,061.60
	FL3	Provide new security camera system.	4	CA	SCM	$120,750.00
SECURITY						$45,198.45
	S1	(Campus wide) - Need card readers for transient students.	1	CA-DP	SCR	$4,140.00
	S2	Provide new access control system.	3	CA	SCR	$28,750.00
	S3	Provide new intrusion detection system.	3	CA	SIA	$12,308.45

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$6,806,445.20
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$630,775.35
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$116,400.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$664,188.75
4	Future Consideration - (Life Expectancy: 10 + years)	$207,011.60
		$8,424,820.90

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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CHARLES STREET STADIUM

Humble
Independent School District



Aerial Site Plan



341 Charles St.
Humble, Texas 77338

ORIGINAL BUILDING COMPLETED: 1946
BUILDING AREA: 800 SF
SITE ACREAGE: 9.76
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

CHARLES STREET STADIUM

Front Door



Existing Site Plan



CHARLES STREET STADIUM

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	*Total Cost*
Priority - 1	***$722,500.00***
Priority - 2.1	***$1,823,250.00***
Priority - 2.2	***$34,500.00***
Priority - 3	***$269,100.00***
Priority - 4	***$36,000.00***
Priority Totals	***$2,885,350.00***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$31,800.00	$0.00	$31,800.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$85,800.00	$0.00	$85,800.00
Mechanical	$0.00	$192,000.00	$56,400.00	$0.00	$0.00	$0.00	$248,400.00
Electrical	$0.00	$450,000.00	$273,600.00	$0.00	$0.00	$0.00	$723,600.00
Plumbing	$0.00	$0.00	$42,000.00	$0.00	$48,000.00	$0.00	$90,000.00
Technology	$0.00	$0.00	$1,397,250.00	$0.00	$17,250.00	$0.00	$1,414,500.00
Fire & Life Safety	$0.00	$80,500.00	$54,000.00	$0.00	$86,250.00	$36,000.00	$256,750.00
Security	$0.00	$0.00	$0.00	$34,500.00	$0.00	$0.00	$34,500.00
Priority Totals	$0.00	$722,500.00	$1,823,250.00	$34,500.00	$269,100.00	$36,000.00	**$2,885,350.00**

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 final scope of work will be included.

CHARLES STREET STADIUM

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$31,800.00
	C1	Provide 24" storm inlet.	3	CA	SD	$12,600.00
	C2	Provide 12" storm piping.	3	CA	SD	$19,200.00
BUILDING ENVELOPE						$85,800.00
	B1	Replace existing shingle roof with new.	3	CA	RFR	$4,800.00
	B2	Replace existing metal roof with new.	3	CA	RFR	$81,000.00
MECHANICAL						$248,400.00
	M1	Replace DX HVAC system including ductwork.	1	CA-DP	HVAC	$192,000.00
	M2	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$14,400.00
	M3	Provide DDC system for monitoring and control.	2.1	CA	HVAC	$42,000.00
ELECTRICAL						$723,600.00
	E1	Upgrade stadium lighting.	1	CA-DP	LTG	$450,000.00
	E2	Replace electrical distribution equipment. Include capacity for future branch circuits.	2.1	CA-DP	ED	$144,000.00
	E3	Provide automatic control of interior lighting.	2.1	CA	LTG	$21,600.00
	E4	Upgrade interior lighting to LED.	2.1	CA-DP	LTG	$30,000.00
	E5	LED building exterior lighting.	2.1	CA-DP	SL	$36,000.00
	E6	LED parking lot lighting upgrade.	2.1	CA	SL	$42,000.00
PLUMBING						$90,000.00
	P1	Replace plumbing fixtures.	2.1	CA-DP	PLB	$42,000.00
	P2	Replace galvanized domestic water piping.	3	CA-DP	PLB	$48,000.00
TECHNOLOGY						$1,414,500.00
	T1	Upgrade sound system.	2.1	CA-DP	AV	$488,750.00
	T2	Upgrade video system and provide a new scoreboard.	2.1	CA-DP	AV	$862,500.00
	T3	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T4	Provide new technology cabling.	3	CA	TECH	$17,250.00
FIRE & LIFE SAFETY						$256,750.00
	FL1	Provide new security camera system.	1	CA	SCM	$80,500.00
	FL2	Provide a fire sprinkler system.	2.1	CA-DP	FSPR	$54,000.00
	FL3	Replace Generac emergency generator.	3	CA	EG	$86,250.00
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$36,000.00
SECURITY						$34,500.00
	S1	Provide new access control system.	2.2	CA	SCR	$34,500.00

CHARLES STREET STADIUM

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$722,500.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,823,250.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$34,500.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$269,100.00
4	Future Consideration - (Life Expectancy: 10 + years)	$36,000.00
		$2,885,350.00

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

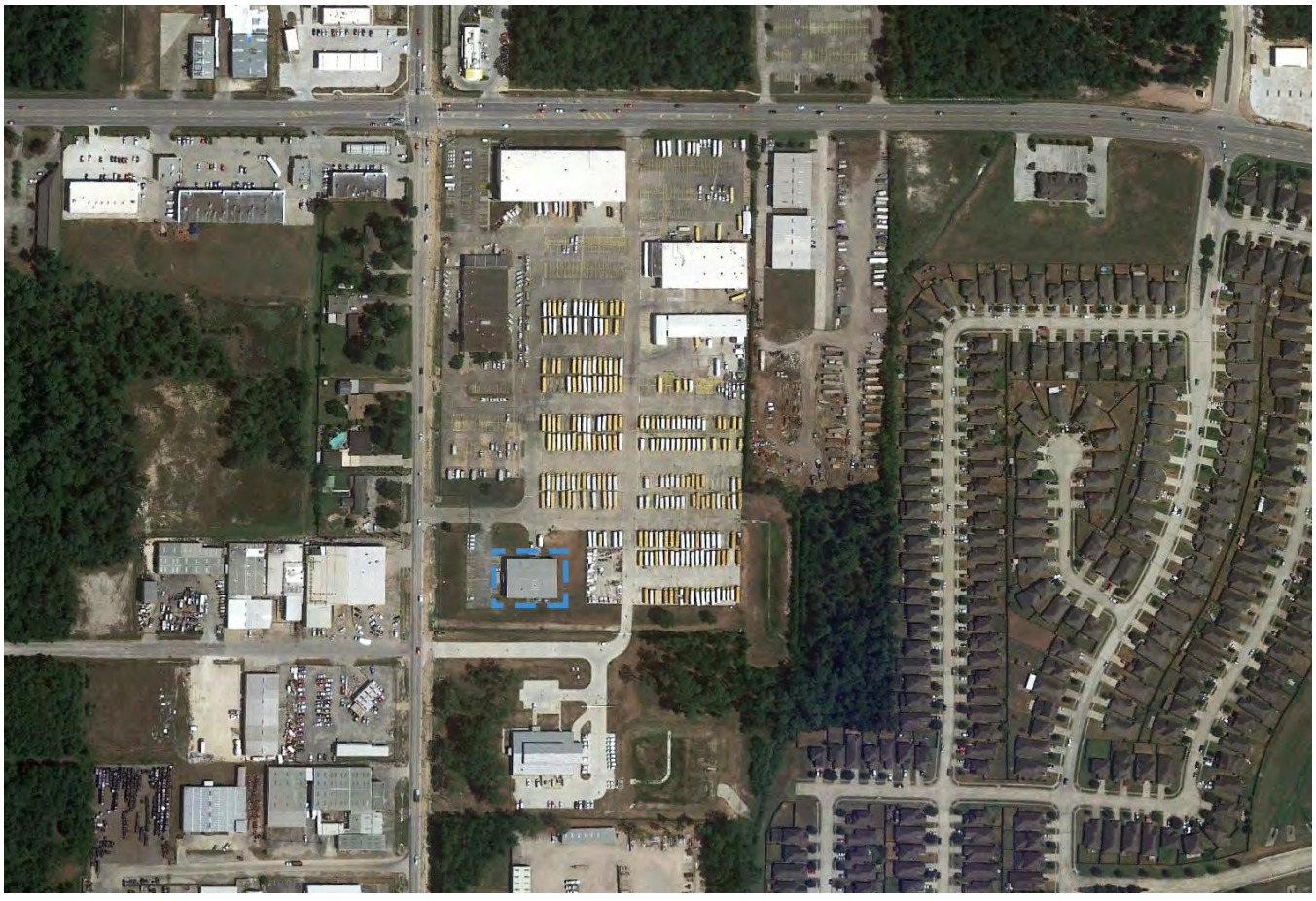
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CHILD NUTRITION CENTER

Child Nutrition
Humble Independent School District
Supporting Learning Through Nutrition



Aerial Site Plan



1703 Wilson Road, Bldg D
Humble, Texas 77396

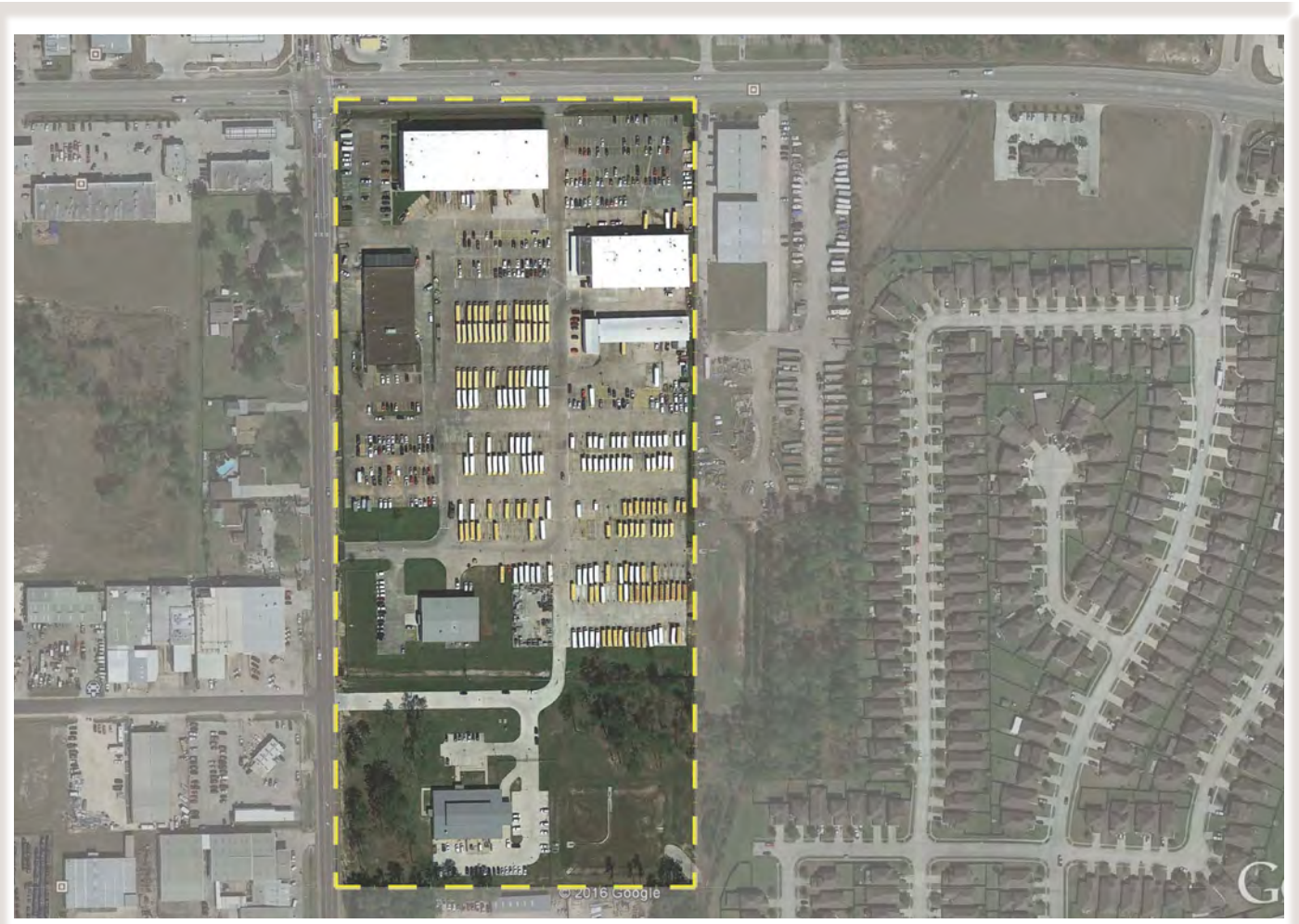
ORIGINAL BUILDING COMPLETED: 2003
BUILDING AREA: 10,471 SF
SITE ACREAGE: 18.50
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

CHILD NUTRITION CENTER

Front Door



Existing Site Plan



CHILD NUTRITION CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$117,250.00
Priority - 2.1	$511,375.00
Priority - 2.2	$2,731,900.00
Priority - 3	$608,119.43
Priority - 4	$205,758.08
Priority Totals	$4,174,402.50

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$192,000.00	$0.00	$0.00	$0.00	$192,000.00
Building Envelope	$0.00	$0.00	$0.00	$11,500.00	$198,000.00	$0.00	$209,500.00
Architectural	$0.00	$117,250.00	$9,375.00	$2,625,000.00	$28,980.00	$0.00	$2,780,605.00
Mechanical	$0.00	$0.00	$126,000.00	$45,000.00	$39,600.00	$150,000.00	$360,600.00
Electrical	$0.00	$0.00	$0.00	$0.00	$113,823.00	$0.00	$113,823.00
Plumbing	$0.00	$0.00	$0.00	$50,400.00	$37,695.60	$0.00	$88,095.60
Technology	$0.00	$0.00	$46,000.00	$0.00	$143,750.00	$18,062.48	$207,812.48
Fire & Life Safety	$0.00	$0.00	$138,000.00	$0.00	$0.00	$37,695.60	$175,695.60
Security	$0.00	$0.00	$0.00	$0.00	$46,270.83	$0.00	$46,270.83
Priority Totals	$0.00	$117,250.00	$511,375.00	$2,731,900.00	$608,119.43	$205,758.08	**$4,174,402.50**

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 final scope of work will be included.

CHILD NUTRITION CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$192,000.00
	C1	(Parking) Add 40 additional parking spaces and provide vehicular access to the loading dock.	2.1	CA-DP	SPN	$192,000.00
BUILDING ENVELOPE						$209,500.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.2	CA	WS	$11,500.00
	B2	Replace existing metal roof. (Last replacement 2004, scheduled replacement 2024).	3	DRS	RFR	$198,000.00
ARCHITECTURAL						$2,780,605.00
	A2	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Previously painted in 2004 scheduled for 2014 next scheduled job???).	1	DRS	PTG	$17,250.00
	A3	(Entry) - Add a secure vestibule.	1	CA-DP	REN	$100,000.00
	A4	(Casework - Mail) Add/renovate existing casework to provide more staff mail box space.	2.1	CA-DP	REN	$9,375.00
	A5	(Training/Meeting Room) - Building addition to include a training room (with mock-up kitchen with typical school campus kitchen equipment to be used for training District staff) large enough for 80 occupants, restrooms, and offices. Includes renovation of 1,500 sf of the existing building.	2.2	CA-DP	ADD	$2,625,000.00
	A6	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2015) scheduled for 2025).	3	DRS	FLR	$28,980.00
MECHANICAL						$360,600.00
	M1	Replace Carrier condensing unit (installed 2004, replace 2016).	2.1	DRS	HVAC	$126,000.00
	M2	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M3	Provide additional HVAC in electrical room on first floor.	3	CA-DP	HVAC	$18,000.00
	M4	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$21,600.00
	M5	Replace Trane condensing unit (installed 2014, replace 2026).	4	DRS	HVAC	$150,000.00
ELECTRICAL						$113,823.00
	E1	Replace bussed weatherhead.	3	CA	ED	$33,600.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$32,223.00
	E3	LED parking lot lighting upgrade.	3	CA	SL	$48,000.00
PLUMBING						$88,095.60
	P1	Replace A.O. Smith domestic water heater (installed 2004, replace 2017).	2.2	DRS	WTRH	$50,400.00
	P2	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$37,695.60
TECHNOLOGY						$207,812.48
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T2	Provide new classroom projection equipment.	3	CA	AV	$28,750.00
	T3	Upgrade network equipment.	3	CA	TECH	$115,000.00
	T4	Provide new technology cabling.	4	CA	TECH	$18,062.48
FIRE & LIFE SAFETY						$175,695.60
	FL1	Replace Generac emergency generator (installed in 2004, replace in 2019).	2.1	DRS	EG	$40,250.00
	FL2	Provide new security camera system.	2.1	CA	SCM	$97,750.00
	FL3	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$37,695.60
SECURITY						$46,270.83
	S1	Provide new access control system.	3	CA	SCR	$40,250.00

CHILD NUTRITION CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	S2	Provide new intrusion detection system.	3	CA	SIA	$6,020.83

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$117,250.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$511,375.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$2,731,900.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$608,119.43
4	Future Consideration - (Life Expectancy: 10 + years)	$205,758.08
		$4,174,402.50

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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COMMUNITY LEARNING CENTER

Humble
Independent School District



Aerial Site Plan



18901 Timber Forest Dr.
Humble, Texas 77346

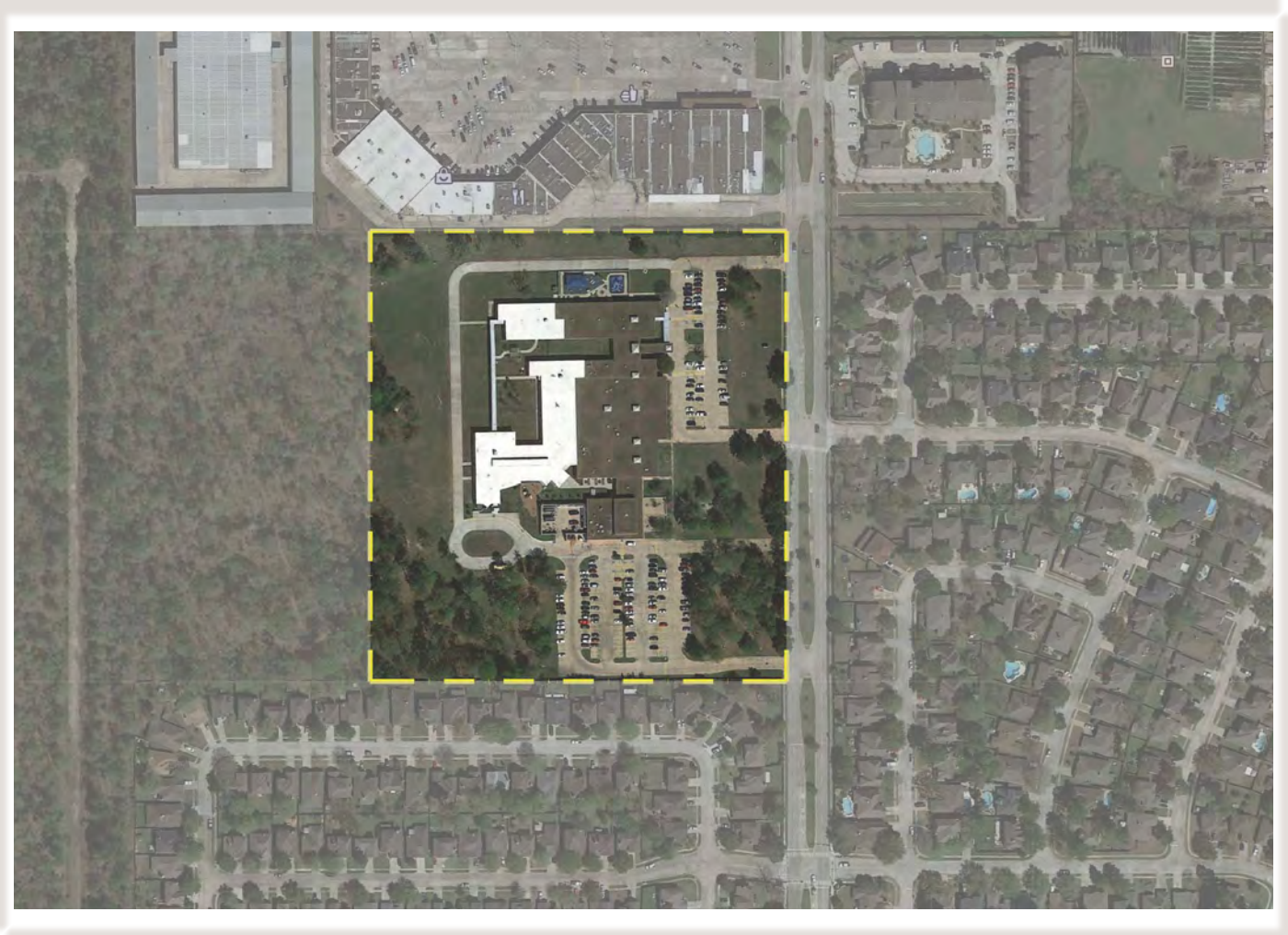
ORIGINAL BUILDING COMPLETED: 1995
BUILDING AREA: 101,000 SF
SITE ACREAGE: 10.77
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

COMMUNITY LEARNING CENTER

Front Door



Existing Site Plan



COMMUNITY LEARNING CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$223,100.00
Priority - 2.1	$993,700.00
Priority - 2.2	$1,098,000.00
Priority - 3	$9,473,800.00
Priority - 4	$5,817,345.00
Priority Totals	$17,605,945.00

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$3,000.00	$0.00	$3,000.00
Architectural	$0.00	$223,100.00	$0.00	$972,000.00	$5,546,000.00	$5,085,720.00	$11,826,820.00
Mechanical	$0.00	$0.00	$150,000.00	$126,000.00	$474,000.00	$276,000.00	$1,026,000.00
Electrical	$0.00	$0.00	$0.00	$0.00	$573,000.00	$0.00	$573,000.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$478,800.00	$8,625.00	$487,425.00
Technology	$0.00	$0.00	$539,350.00	$0.00	$2,193,625.00	$0.00	$2,732,975.00
Fire & Life Safety	$0.00	$0.00	$304,350.00	$0.00	$0.00	$447,000.00	$751,350.00
Security	$0.00	$0.00	$0.00	$0.00	$60,375.00	$0.00	$60,375.00
Nutrition Services	$0.00	$0.00	$0.00	$0.00	$145,000.00	$0.00	$145,000.00
Priority Totals	$0.00	$223,100.00	$993,700.00	$1,098,000.00	$9,473,800.00	$5,817,345.00	$17,605,945.00

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 final scope of work will be included.

COMMUNITY LEARNING CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$3,000.00
	C1	Hydromulch.	3	CA	SPM	$3,000.00
ARCHITECTURAL						$11,826,820.00
	A1	Replace existing interior door hardware throughout as part of Campus Interior Door Hardware Replacement Project. Interior door hardware is a high priority at these campuses in order to allow campus to be locked down per District Standards.	1	CA-DP	DR	$223,100.00
	A2	(Cafeteria) - Renovation to make the cafeteria a place students want to be (add features such as standing height bars, fixed group seating, and flexible seating, and spatial elements).	2.2	CA-DP	REN	$937,500.00
	A3	(Site) - Need a fence at woods, considered a security issue.	2.2	CA-DP	SF	$34,500.00
	A4	(Campus-wide) - Restroom addition. Need new restrooms (2010 addition did not include new restrooms).	3	CA-DP	ADD	$262,500.00
	A5	(Greenhouse) - Add a Greenhouse for CTE programs.	3	CA-DP	ADD	$125,000.00
	A6	(Special Education) - Classroom and office space addition required to meet current program needs. Add five classrooms and 7 offices.	3	CA-DP	ADD	$3,062,500.00
	A7	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2010 scheduled for 2025). CRAYON.	3	DRS	FLR	$230,000.00
	A8	(Campus wide) - Classrooms need real white boards.	3	CA-DP	MBTB	$69,000.00
	A9	(Site) - Need to resolve noise issue at Mechanical Lot adjacent to offices.	3	CA-DP	MECH	$12,000.00
	A10	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 1994 (NEW) 2004/2010 scheduled for 2020).	3	DRS	PTG	$230,000.00
	A11	Library Upgrades/Reconfiguration: Includes maker space areas, mobile furniture, interactive area (with interactive wall or tables), media area with desktops and charging stations and additional electrical outlets.	3	CA-DP	REN	$1,500,000.00
	A12	(Site) - Need new Marquee sign, current one is old with old letter style.	3	CA-DP	SGN	$55,000.00
	A13	(Mosaic Program) - Replace 10,000 sf temporary building with new permanent building.	4	CA-DP	ADD	$4,375,000.00
	A14	Replace existing exterior door hardware throughout as part of Campus Exterior Door Hardware Replacement Project.	4	CA-DP	DR	$88,320.00
	A15	Replace existing exterior doors throughout as part of Campus Exterior Door Replacement Project.	4	CA-DP	DR	$138,000.00
	A16	Replace existing interior doors throughout as part of Campus Interior Door Replacement Project.	4	CA-DP	DR	$334,650.00
	A17	(Library) - Need ADA counter, currently used as multi-use.	4	CA-DP	LS	$6,000.00
	A18	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$143,750.00
MECHANICAL						$1,026,000.00
	M1	(Science Room) - Need emergency gas shut-off. Need gas to work for students. Need real epo for gas and electrical. Manual gas shut-off valve located at teacher's station.	2.1	CA-DP	PLB	$150,000.00
	M2	Interlock exhaust fans with air handling units.	2.2	CA-DP	HVAC	$36,000.00
	M3	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$90,000.00
	M4	Provide DX cooling in Administration area.	3	CA-DP	HVAC	$108,000.00
	M5	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$150,000.00
	M6	Replace Ajax heating boiler (installed in 2004, replace in 2024).	3	DRS	HVAC	$216,000.00
	M7	Replace (2) Trane air cooled chillers (installed 2010, replace 2030).	4	DRS	HVAC	$276,000.00

COMMUNITY LEARNING CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$223,100.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$993,700.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$1,098,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$9,473,800.00
4	Future Consideration - (Life Expectancy: 10 + years)	$5,817,345.00
		$17,605,945.00

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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EMERGENCY OPERATIONS CENTER

Humble ISD Police

Protecting and Serving While Supporting Learning



Aerial Site Plan



1703 Wilson Road, Bldg E
Humble, Texas 77396

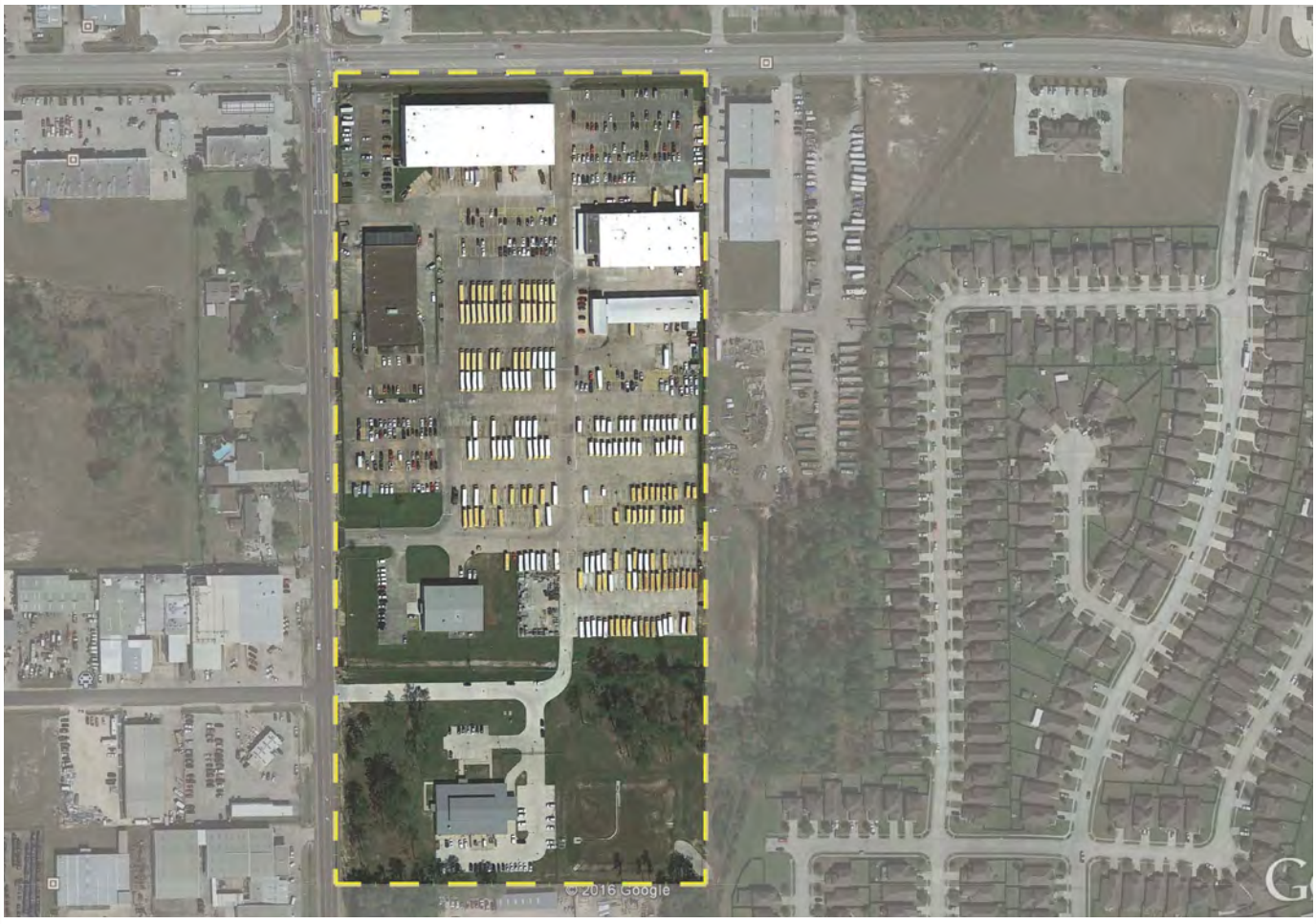
ORIGINAL BUILDING COMPLETED: 2013
BUILDING AREA: 14,452 SF
SITE ACREAGE: 20.60
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

EMERGENCY OPERATIONS CENTER

Front Door



Existing Site Plan



EMERGENCY OPERATIONS CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 2.1	$232,475.00
Priority - 3	$612,906.00
Priority - 4	$738,656.50
Priority Totals	$1,584,037.50

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Civil	$0.00	$0.00	$0.00	$0.00	$120,000.00	$0.00	$120,000.00
Building Envelope	$0.00	$0.00	$0.00	$0.00	$0.00	$299,500.00	$299,500.00
Architectural	$0.00	$0.00	$0.00	$0.00	$17,250.00	$23,862.50	$41,112.50
Mechanical	$0.00	$0.00	$0.00	$0.00	$62,400.00	$48,000.00	$110,400.00
Electrical	$0.00	$0.00	$0.00	$0.00	$43,356.00	$0.00	$43,356.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$128,400.00	$52,027.20	$180,427.20
Technology	$0.00	$0.00	$46,000.00	$0.00	$172,500.00	$24,929.70	$243,429.70
Fire & Life Safety	$0.00	$0.00	$186,475.00	$0.00	$0.00	$282,027.20	$468,502.20
Security	$0.00	$0.00	$0.00	$0.00	$69,000.00	$8,309.90	$77,309.90
Priority Totals	$0.00	$0.00	$232,475.00	$0.00	$612,906.00	$738,656.50	**$1,584,037.50**

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 final scope of work will be included.

EMERGENCY OPERATIONS CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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						$120,000.00
	C1	Expand front and back parking lot.	3	DRS	SPN	$120,000.00
BUILDING ENVELOPE						$299,500.00
	B1	Replace existing metal roof. (Original roof 2013, scheduled replacement 2033).	4	DRS	RFR	$288,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	4	CA	WS	$11,500.00
ARCHITECTURAL						$41,112.50
	A1	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2013 (NEW) scheduled for 2023).	3	DRS	PTG	$17,250.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2013 scheduled for 2028).	4	DRS	FLR	$18,112.50
	A3	Replace existing toilet partitions throughout, as part of Campus Toilet Partition Replacement Project.	4	CA-DP	TP	$5,750.00
MECHANICAL						$110,400.00
	M1	Replace Carrier air cooled chiller (installed in 2013, replace in 2025).	3	DRS	HVAC	$62,400.00
	M2	Replace Ajax heating boiler (installed in 2013, replace in 2033).	4	DRS	HVAC	$48,000.00
ELECTRICAL						$43,356.00
	E1	Upgrade interior lighting to LED.	3	CA-DP	LTG	$43,356.00
PLUMBING						$180,427.20
	P1	(Room A122 - A133) - Need stainless steel fixtures in place of porcelain lavatories and can get them from Dept. of Corrections.	3	CA-DP	PLB	$24,000.00
	P2	Provide stainless steel fixtures in holding area.	3	CA-DP	PLB	$54,000.00
	P3	Replace Rheem domestic water heater (installed in 2013, replace in 2026).	3	DRS	WTRH	$50,400.00
	P4	Replace plumbing fixtures, coordinate with architectural upgrade.	4	CA-DP	PLB	$52,027.20
TECHNOLOGY						$243,429.70
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T2	Provide new projection equipment.	3	CA	AV	$57,500.00
	T3	Upgrade network equipment.	3	CA	TECH	$115,000.00
	T4	Provide new technology cabling.	4	CA	TECH	$24,929.70
FIRE & LIFE SAFETY						$468,502.20
	FL1	Add CO detection system to applicable areas.	2.1	CA-DP	MECH	$45,600.00
	FL2	Provide new security camera system.	2.1	CA	SCM	$140,875.00
	FL3	Replace Kohler 180 kW emergency generator (installed in 2013, replace in 2028).	4	DRS	EG	$230,000.00
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$52,027.20
SECURITY						$77,309.90
	S1	Provide new access control system.	3	CA	SCR	$69,000.00
	S2	Provide new intrusion detection system.	4	CA	SIA	$8,309.90

EMERGENCY OPERATIONS CENTER

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$232,475.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$612,906.00
4	Future Consideration - (Life Expectancy: 10 + years)	$738,656.50
		$1,584,037.50

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

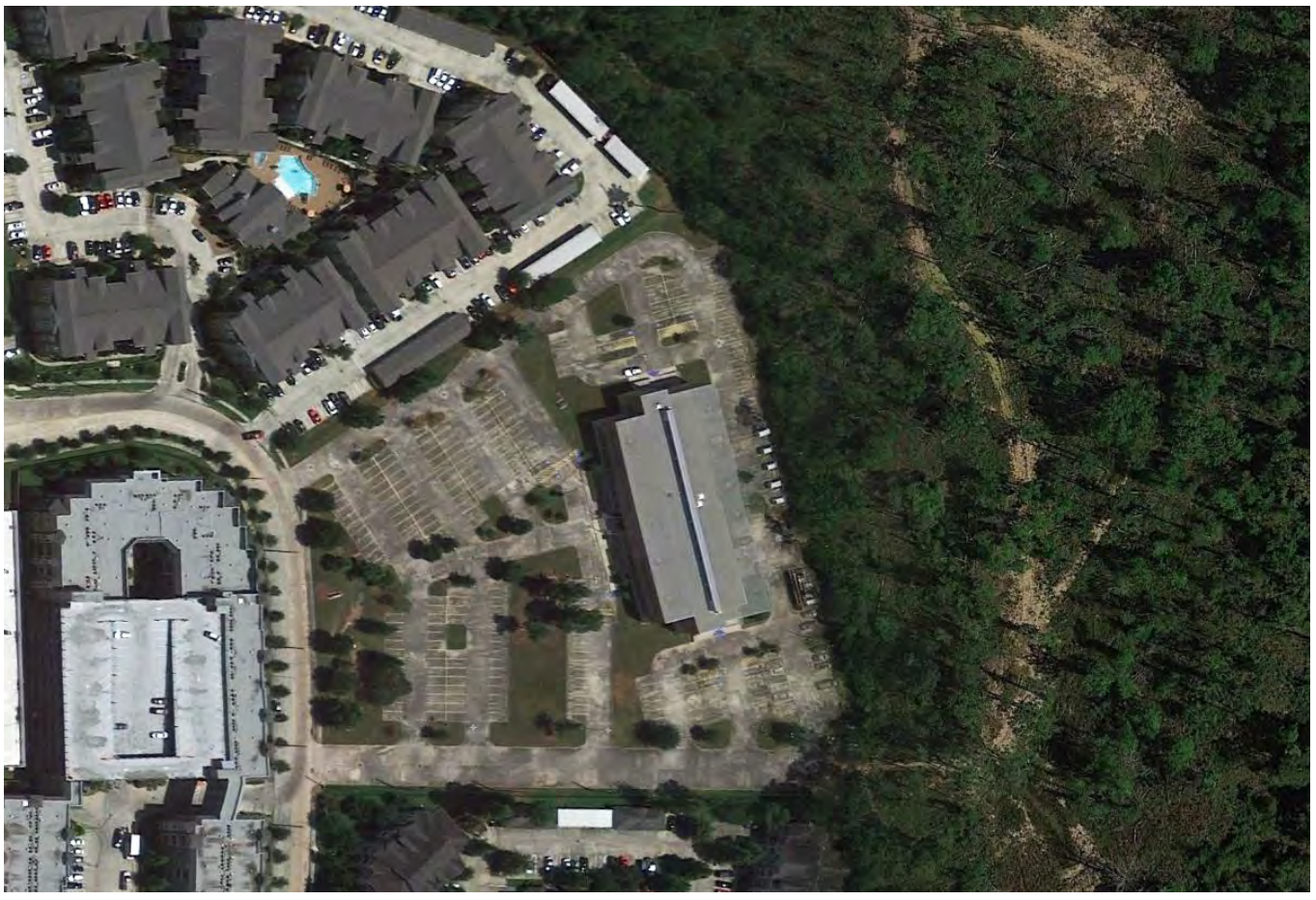
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INSTRUCTIONAL SUPPORT CENTER

Humble
Independent School District



Aerial Site Plan



4810 Magnolia Cove Dr.
Kingwood, Texas 77345

ORIGINAL BUILDING COMPLETED: 2003
BUILDING AREA: 48,228 SF
SITE ACREAGE: N/A
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

INSTRUCTIONAL SUPPORT CENTER

Front Door



Existing Site Plan



INSTRUCTIONAL SUPPORT CENTER

Proposed Work Items

Print Date: 11/13/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$102,000.00
Priority - 2.1	$581,937.50
Priority - 2.2	$138,200.00
Priority - 3	$1,339,355.60
Priority - 4	$173,620.80
Priority Totals	$2,335,113.90

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$0.00	$23,000.00	$360,000.00	$0.00	$383,000.00
Architectural	$0.00	$0.00	$81,937.50	$0.00	$0.00	$0.00	$81,937.50
Mechanical	$0.00	$102,000.00	$132,000.00	$45,000.00	$0.00	$0.00	$279,000.00
Electrical	$0.00	$0.00	$0.00	$70,200.00	$410,431.20	$0.00	$480,631.20
Plumbing	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Technology	$0.00	$0.00	$46,000.00	$0.00	$451,193.30	$0.00	$497,193.30
Fire & Life Safety	$0.00	$0.00	$230,000.00	$0.00	$90,000.00	$173,620.80	$493,620.80
Security	$0.00	$0.00	$92,000.00	$0.00	$27,731.10	$0.00	$119,731.10
Priority Totals	$0.00	$102,000.00	$581,937.50	$138,200.00	$1,339,355.60	$173,620.80	$2,335,113.90

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 final scope of work will be included.

INSTRUCTIONAL SUPPORT CENTER

Proposed Work Items

Print Date: 11/13/2017

All costs are shown in 2017 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
BUILDING ENVELOPE						$383,000.00
	B1	Wet glaze seal all deteriorated and damaged window glazing gaskets.	2.2	CA	WS	$11,500.00
	B2	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	2.2	CA	WS	$11,500.00
	B3	Replace existing modified bitumen roof. (Last replacement 2004, scheduled replacement 2024).	3	DRS	RFR	$360,000.00
ARCHITECTURAL						$81,937.50
	A1	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2004 scheduled for 2019).	2.1	DRS	FLR	$150,937.50
	A1.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	FLR	($69,000.00)
MECHANICAL						$279,000.00
	M1	Replace outdoor Liebert condensing unit (small unit).	1	CA-DP	HVAC	$102,000.00
	M2	Replace outdoor Liebert condensing unit (installed 2007, replace 2019).	2.1	CA-DP	HVAC	$132,000.00
	M3	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$45,000.00
	M4	Replace Carrier air cooled chiller (installed in 2004, replace in 2019).	2.2	DRS	HVAC	$150,000.00
	M4.2	Deduct for Hurricane Harvey restoration project.	2.2	CA-DP	HVAC	($150,000.00)
	M5	Raise the outdoor equipment 24" above grade to prevent damage from flooding.	3	CA-DP	HVAC	$300,000.00
	M5.2	Deduct for Hurricane Harvey restoration project.	3	CA-DP	HVAC	($300,000.00)
ELECTRICAL						$480,631.20
	E1	Provide additional power and data outlets for computers in offices (item not needed if renovation addresses space issue).	2.2	PQI	ED	$70,200.00
	E2	Provide automatic control of interior lighting.	3	CA	LTG	$115,747.20
	E3	Upgrade interior lighting to LED.	3	CA-DP	LTG	$144,684.00
	E4	LED building exterior lighting. Staff comment: The front and back of building and entrances are not lit well and create a security issue.	3	CA-DP	SL	$48,000.00
	E5	LED parking lot lighting upgrade.	3	CA	SL	$102,000.00
PLUMBING						$0.00
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$173,620.80
	P1.2	Deduct for Hurricane Harvey restoration project.	3	CA-DP	PLB	($173,620.80)
TECHNOLOGY						$497,193.30
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T2	Provide new classroom projection equipment.	3	CA	AV	$172,500.00
	T3	Provide new technology cabling.	3	CA	TECH	$83,193.30
	T3.2	Deduct for Hurricane Harvey restoration project.	3	CA	TECH	($34,500.00)
	T4	Upgrade network equipment.	3	CA	TECH	$230,000.00
FIRE & LIFE SAFETY						$493,620.80
	FL1	Replace Generac emergency generator (installed in 2004, replace in 2019).	2.1	DRS	EG	$155,250.00
	FL1.2	Deduct for Hurricane Harvey restoration project.	2.1	CA-DP	EG	($155,250.00)
	FL2	Provide new security camera system. Staff comment: Cameras do not record. Need more in parking lot.	2.1	CA	SCM	$230,000.00
	FL3	(Main Entry) - Main Entry is public without a secure vestibule, once inside there is no way to secure.	3	CA-DP	SEC	$90,000.00

INSTRUCTIONAL SUPPORT CENTER

Proposed Work Items

Print Date: 11/13/2017

All costs are shown in 2017 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
	FL4	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$173,620.80
SECURITY						$119,731.10
	S1	Provide new access control system.	2.1	CA	SCR	$92,000.00
	S2	Provide new intrusion detection system.	3	CA	SIA	$27,731.10

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$102,000.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$581,937.50
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$138,200.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$1,339,355.60
4	Future Consideration - (Life Expectancy: 10 + years)	$173,620.80
		$2,335,113.90

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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MAINTENANCE

Facility Planning

Construction, Maintenance, and Operations

Support Learning Through Service



Aerial Site Plan



1703 Wilson Road, Bldg B
Humble, Texas 77396

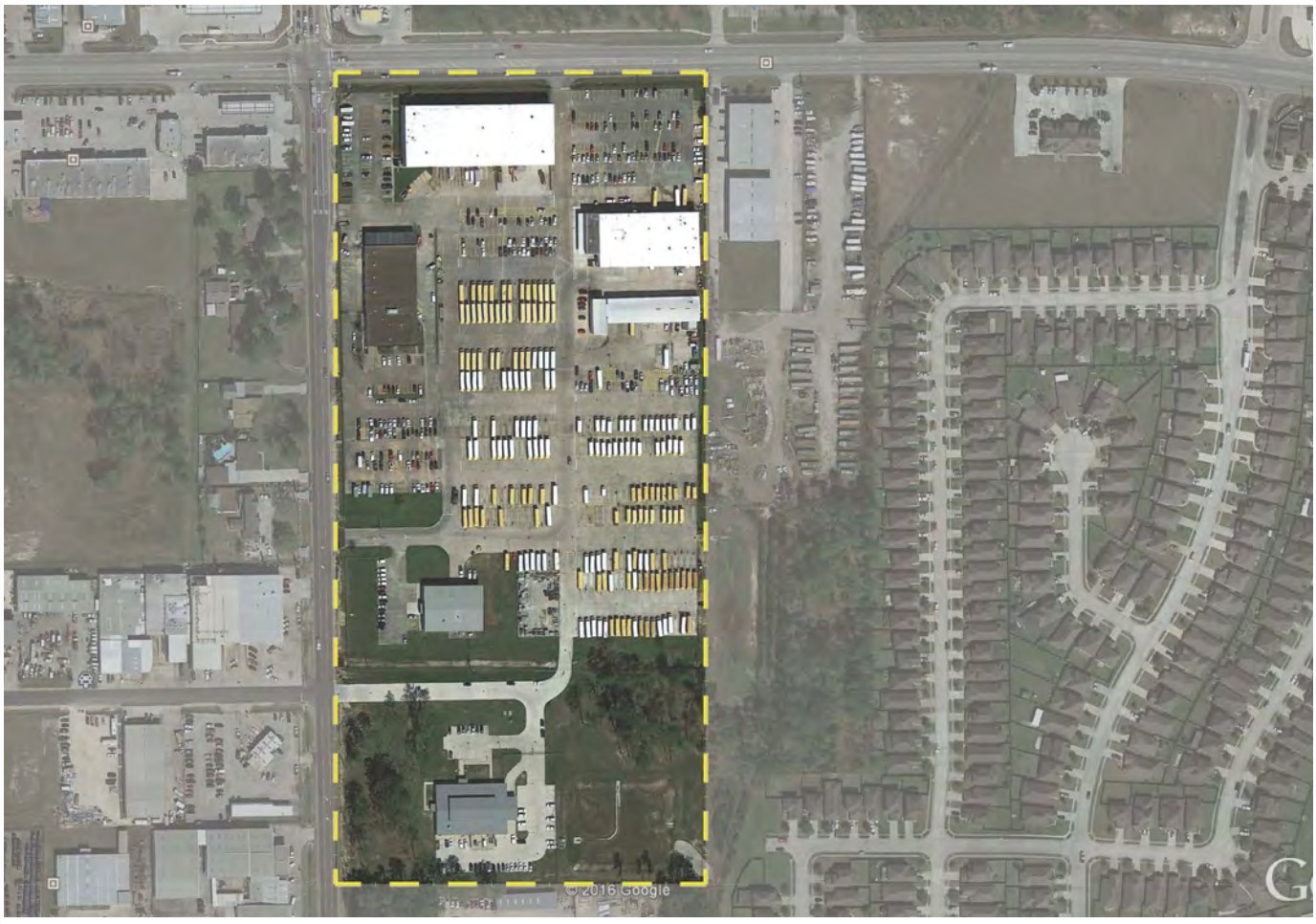
ORIGINAL BUILDING COMPLETED: 1983
BUILDING AREA: 20,372 SF
SITE ACREAGE: N/A
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

MAINTENANCE

Front Door



Existing Site Plan



MAINTENANCE

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 2.1	$264,535.60
Priority - 2.2	$471,362.10
Priority - 3	$688,614.40
Priority - 4	$146,678.40
Priority Totals	$1,571,190.50

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Architectural	$0.00	$0.00	$0.00	$18,112.50	$46,000.00	$0.00	$64,112.50
Mechanical	$0.00	$0.00	$0.00	$453,249.60	$300,000.00	$0.00	$753,249.60
Electrical	$0.00	$0.00	$0.00	$0.00	$152,008.80	$0.00	$152,008.80
Plumbing	$0.00	$0.00	$0.00	$0.00	$0.00	$73,339.20	$73,339.20
Technology	$0.00	$0.00	$46,000.00	$0.00	$178,891.70	$0.00	$224,891.70
Fire & Life Safety	$0.00	$0.00	$218,535.60	$0.00	$0.00	$73,339.20	$291,874.80
Security	$0.00	$0.00	$0.00	$0.00	$11,713.90	$0.00	$11,713.90
Priority Totals	$0.00	$0.00	$264,535.60	$471,362.10	$688,614.40	$146,678.40	**$1,571,190.50**

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 final scope of work will be included.

MAINTENANCE

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
ARCHITECTURAL						$64,112.50
	A1	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2006 scheduled for 2021). CRAYON	2.2	DRS	FLR	$18,112.50
	A2	Add Avadek type canopy at main entry extending out at least 12' - 15' by 20' - 25'w. Remove and add larger canopy over side door at south side of building.	3	DRS	MEQ	$23,000.00
	A3	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2006 scheduled for 2016).	3	DRS	PTG	$23,000.00
MECHANICAL						$753,249.60
	M1	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$39,000.00
	M2	Replace roof mounted exhaust fans and hoods.	2.2	CA-DP	HVAC	$72,000.00
	M3	Replace rooftop unit.	2.2	CA	HVAC	$342,249.60
	M4	Provide HVAC at tool area.	3	CA-DP	HVAC	$150,000.00
	M5	Provide HVAC at Crafts area.	3	CA-DP	HVAC	$150,000.00
ELECTRICAL						$152,008.80
	E1	Provide automatic control of interior lighting.	3	CA	LTG	$48,892.80
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$61,116.00
	E3	LED parking lot lighting upgrade.	3	CA	SL	$42,000.00
PLUMBING						$73,339.20
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	4	CA-DP	PLB	$73,339.20
TECHNOLOGY						$224,891.70
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T2	Provide new classroom projection equipment.	3	CA	AV	$28,750.00
	T3	Provide new technology cabling.	3	CA	TECH	$35,141.70
	T4	Upgrade network equipment.	3	CA	TECH	$115,000.00
FIRE & LIFE SAFETY						$291,874.80
	FL1	Provide a fire sprinkler system.	2.1	CA	FSPR	$97,785.60
	FL2	Provide new security camera system.	2.1	CA	SCM	$120,750.00
	FL3	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$73,339.20
SECURITY						$11,713.90
	S1	Provide new intrusion detection system.	3	CA	SIA	$11,713.90

MAINTENANCE

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$264,535.60
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$471,362.10
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$688,614.40
4	Future Consideration - (Life Expectancy: 10 + years)	$146,678.40
		$1,571,190.50

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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TRANSPORTATION

Humble
Independent School District



Aerial Site Plan



1703 Wilson Road, Bldg C
Humble, Texas 77396

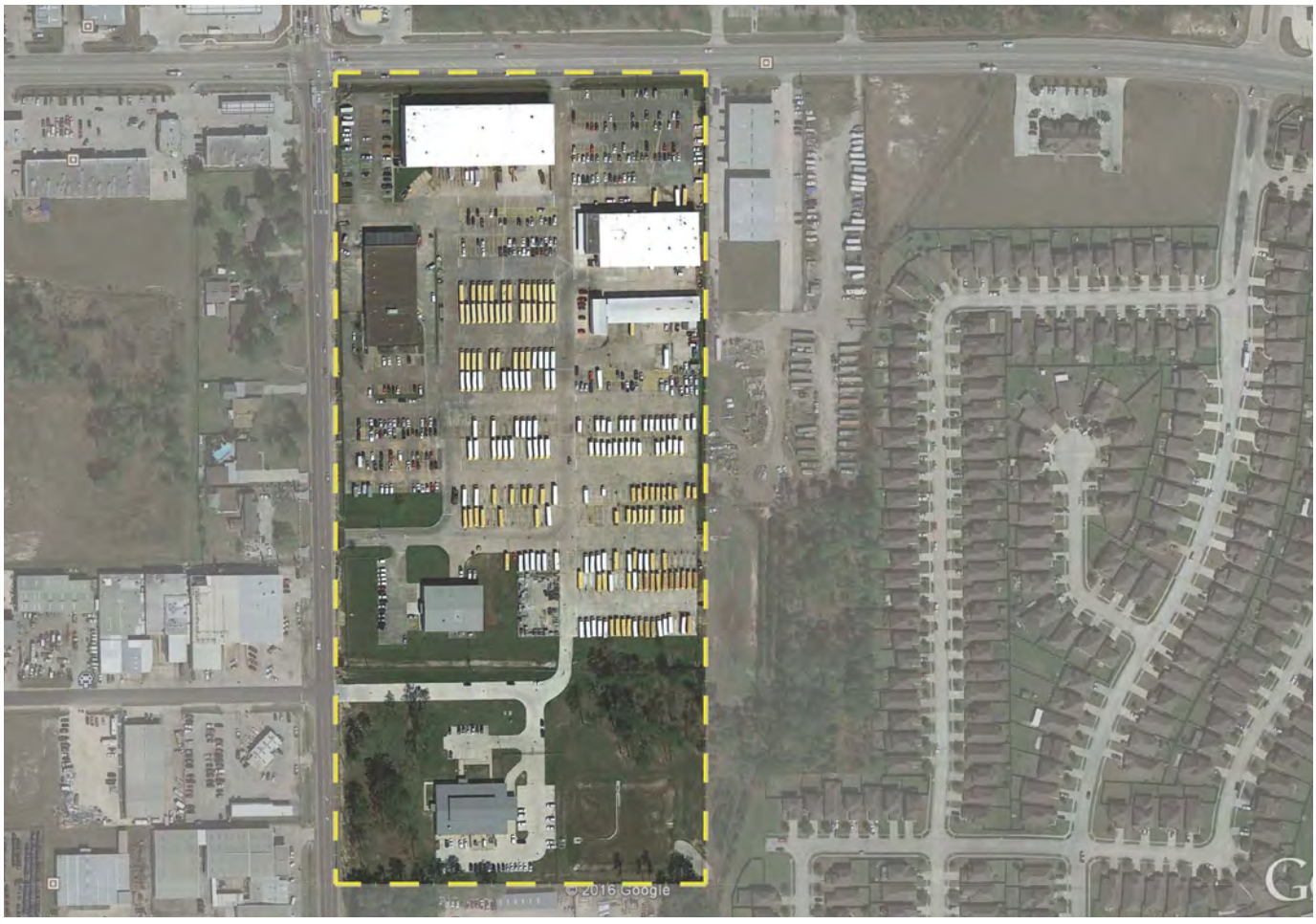
ORIGINAL BUILDING COMPLETED: 1967
BUILDING AREA: 36,451 SF
SITE ACREAGE: N/A
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

TRANSPORTATION

Front Door



Existing Site Plan



TRANSPORTATION

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	$3,611,000.00
Priority - 2.1	$2,833,364.80
Priority - 2.2	$39,000.00
Priority - 3	$3,444,953.90
Priority - 4	$2,368,923.60
Priority Totals	$12,297,242.30

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$0.00	$0.00	$31,500.00	$322,500.00	$354,000.00
Architectural	$0.00	$23,000.00	$225,000.00	$0.00	$28,980.00	$0.00	$276,980.00
Mechanical	$0.00	$0.00	$0.00	$39,000.00	$0.00	$208,800.00	$247,800.00
Electrical	$0.00	$0.00	$0.00	$0.00	$217,353.00	$0.00	$217,353.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$131,223.60	$50,400.00	$181,623.60
Technology	$0.00	$0.00	$656,650.00	$0.00	$824,187.98	$0.00	$1,480,837.98
Fire & Life Safety	$0.00	$0.00	$295,714.80	$0.00	$0.00	$131,223.60	$426,938.40
Security	$0.00	$0.00	$0.00	$0.00	$555,709.33	$0.00	$555,709.33
Other	$0.00	$3,588,000.00	$1,656,000.00	$0.00	$1,656,000.00	$1,656,000.00	$8,556,000.00
Priority Totals	$0.00	$3,611,000.00	$2,833,364.80	$39,000.00	$3,444,953.90	$2,368,923.60	$12,297,242.30

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 final scope of work will be included.

TRANSPORTATION

Proposed Work Items

Print Date: 6/8/2017

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DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
BUILDING ENVELOPE						$354,000.00
	B1	Replace existing modified bitumen roof with new.	3	CA	RFR	$31,500.00
	B2	Replace existing thermoplastic roof. (Replaced 1987, overlay 2013, scheduled replacement 2033).	4	DRS	RFR	$322,500.00
ARCHITECTURAL						$276,980.00
	A1	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2006 scheduled for 2017).	1	DRS	PTG	$23,000.00
	A2	(Bus Wash) - Provide new drive through bus wash.	2.1	CA-DP	ADD	$225,000.00
	A3	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2007 scheduled for 2022).	3	DRS	FLR	$28,980.00
MECHANICAL						$247,800.00
	M1	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$39,000.00
	M2	Replace roof mounted exhaust fans and hoods.	4	CA-DP	HVAC	$58,800.00
	M3	Replace Trane condensing unit (installed in 2015, replace 2027).	4	DRS	HVAC	$150,000.00
ELECTRICAL						$217,353.00
	E1	Upgrade interior lighting to LED.	3	CA-DP	LTG	$109,353.00
	E2	LED parking lot lighting upgrade.	3	CA	SL	$108,000.00
PLUMBING						$181,623.60
	P1	Replace plumbing fixtures, coordinate with architectural upgrade.	3	CA-DP	PLB	$131,223.60
	P2	Replace Bradford white water heater (installed 2015, replace 2028).	4	DRS	WTRH	$50,400.00
TECHNOLOGY						$1,480,837.98
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T2	(GPS) - Current 5 year agreement with Synovia expires in May 2020. Another 5 year agreement is a must have.	2.1	CA-DP	TECH	$610,650.00
	T3	Provide new classroom projection equipment.	3	CA	AV	$28,750.00
	T4	(Campus wide) - Need to provide new student tracking system.	3	CA-DP	SEC	$502,560.00
	T5	Provide new technology cabling.	3	CA	TECH	$62,877.98
	T6	Upgrade network equipment.	3	CA	TECH	$230,000.00
FIRE & LIFE SAFETY						$426,938.40
	FL1	Provide a fire sprinkler system.	2.1	CA-DP	FSPR	$174,964.80
	FL2	Provide new security camera system.	2.1	CA	SCM	$120,750.00
	FL3	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$131,223.60
SECURITY						$555,709.33
	S1	(Campus - wide) - Need to replace 125 cameras that are obsolete.	3	CA-DP	SCM	$483,000.00
	S2	Provide new access control system.	3	CA	SCR	$51,750.00
	S3	Provide new intrusion detection system.	3	CA	SIA	$20,959.33
OTHER						$8,556,000.00
	O1	(District-wide) - Provide (12) new buses for replacement and growth.	1	CA-DP	MEQ	$1,656,000.00
	O2	(District-wide) - Provide (10) new activity buses.	1	CA-DP	MEQ	$1,932,000.00
	O3	(District-wide) - Provide (12) new buses for replacement and growth.	2.1	CA-DP	MEQ	$1,656,000.00
	O4	(District-wide) - Provide (12) new buses for replacement and growth.	3	CA-DP	MEQ	$1,656,000.00
	O5	(District-wide) - Provide (12) new buses for replacement and growth.	4	CA-DP	MEQ	$1,656,000.00

TRANSPORTATION

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$3,611,000.00
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$2,833,364.80
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$39,000.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$3,444,953.90
4	Future Consideration - (Life Expectancy: 10 + years)	$2,368,923.60
		$12,297,242.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$0.00

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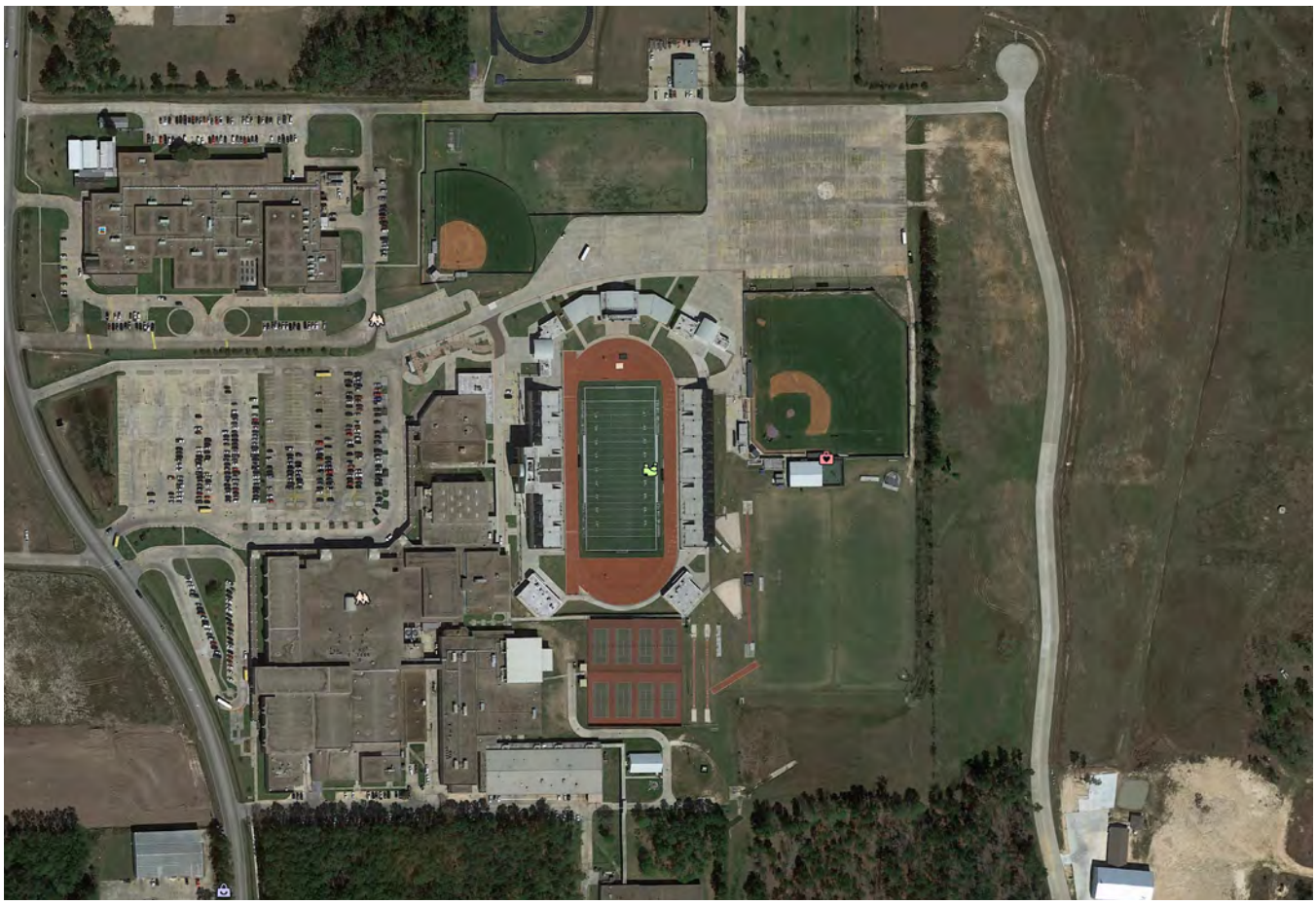
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TURNER STADIUM

Humble
Independent School District



Aerial Site Plan



1601 S. Wilson Rd.
Humble, Texas 77338

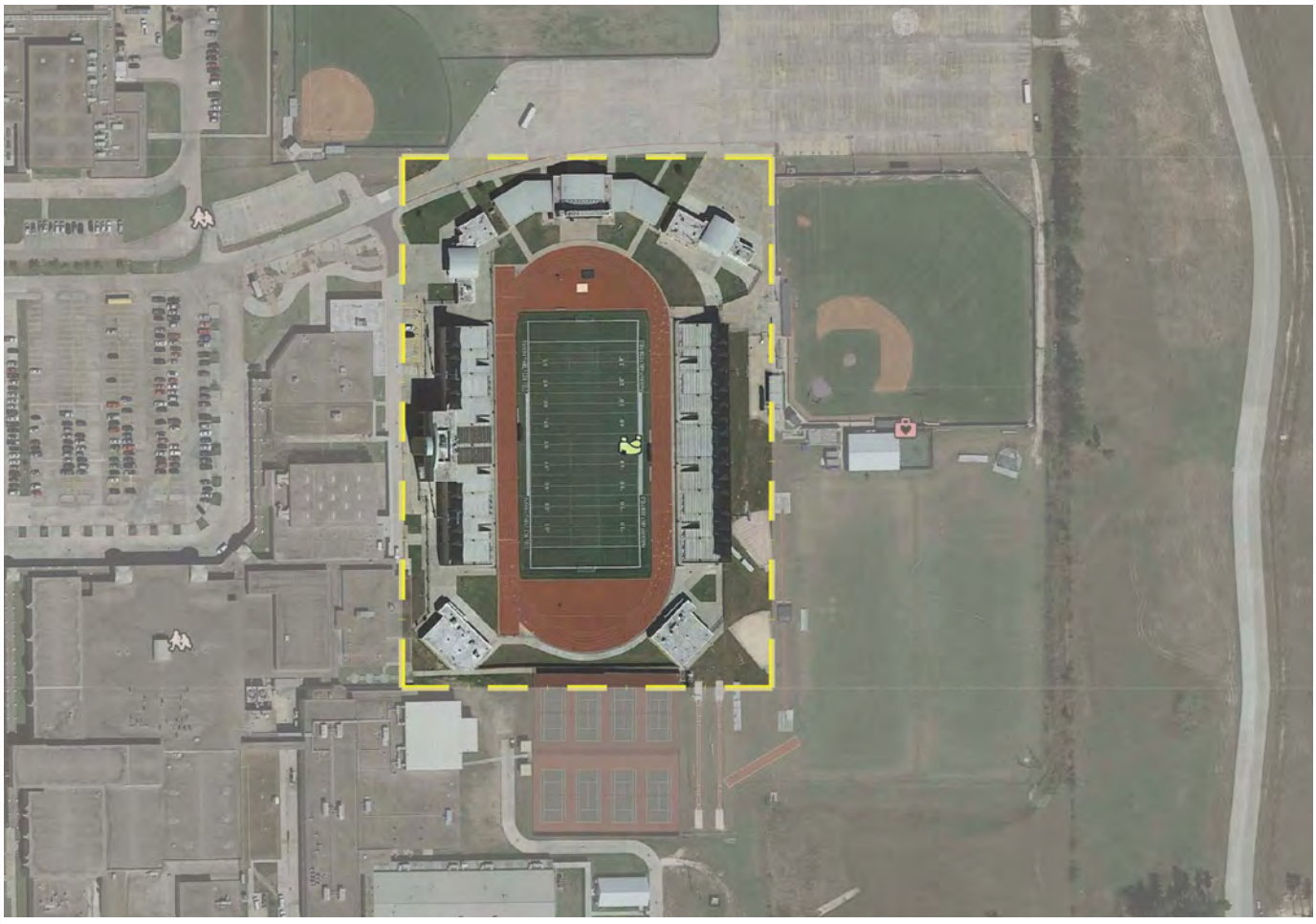
ORIGINAL BUILDING COMPLETED: 1965
BUILDING AREA: 17,620 SF
SITE ACREAGE: 11.11
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

TURNER STADIUM

Front Door



Existing Site Plan



TURNER STADIUM

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 2.1	$1,884,500.00
Priority - 2.2	$557,553.75
Priority - 3	$4,544,825.00
Priority - 4	$1,405,550.00
Priority Totals	$8,392,428.75

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$0.00	$0.00	$443,000.00	$583,200.00	$1,026,200.00
Architectural	$0.00	$0.00	$100,250.00	$0.00	$0.00	$0.00	$100,250.00
Mechanical	$0.00	$0.00	$0.00	$312,000.00	$816,000.00	$0.00	$1,128,000.00
Electrical	$0.00	$0.00	$42,000.00	$0.00	$459,000.00	$0.00	$501,000.00
Plumbing	$0.00	$0.00	$0.00	$0.00	$403,200.00	$621,600.00	$1,024,800.00
Technology	$0.00	$0.00	$46,000.00	$0.00	$2,271,250.00	$74,750.00	$2,392,000.00
Fire & Life Safety	$0.00	$0.00	$431,250.00	$0.00	$143,750.00	$126,000.00	$701,000.00
Security	$0.00	$0.00	$0.00	$207,000.00	$8,625.00	$0.00	$215,625.00
Sports	$0.00	$0.00	$1,265,000.00	$38,553.75	$0.00	$0.00	$1,303,553.75
Priority Totals	$0.00	$0.00	$1,884,500.00	$557,553.75	$4,544,825.00	$1,405,550.00	**$8,392,428.75**

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TURNER STADIUM

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
BUILDING ENVELOPE						$1,026,200.00
	B1	Replace existing modified bitumen roof. (Last replaced 2010, scheduled replacement 2030.).	3	CA	RFR	$420,000.00
	B2	Wet glaze seal all deteriorated and damaged window glazing gaskets.	3	CA	WS	$11,500.00
	B3	Remove and replace exterior building waterproofing sealants throughout entire facility. Including all wall control joints, through wall penetrations around all doors and windows and joints between building and paving.	3	CA	WS	$11,500.00
	B4	Replace existing metal roofs at dugouts.	4	CA	RFR	$36,000.00
	B5	Replace existing metal roofs at metal building.	4	CA	RFR	$61,200.00
	B6	Replace existing metal roofs at Stadium.	4	CA	RFR	$486,000.00
ARCHITECTURAL						$100,250.00
	A1	(Training Room) - Provide access for officials and female trainers from the parking lot.	2.1	CA-DP	AE	$17,250.00
	A2	(Site) - Need more ADA spaces, complaint from public. New spaces to be located behind home stands (converted from existing concrete walks).	2.1	CA-DP	SPN	$60,000.00
	A3	(Storage Rooms) - All storage rooms need 8' tall doors.	2.1	CA-DP	DR	$23,000.00
MECHANICAL						$1,128,000.00
	M1	Provide HVAC in the electrical rooms and cart storage rooms on the ground floor.	2.2	CA-DP	HVAC	$132,000.00
	M2	Provide HVAC at MDF/IDF rooms in each building.	2.2	CA-DP	HVAC	$180,000.00
	M3	Replace York air cooled condensing unit serving Field House (installed 2012, replace 2024).	3	DRS	HVAC	$126,000.00
	M4	Replace roof mounted exhaust fans and hoods.	3	CA-DP	HVAC	$180,000.00
	M5	Replace rooftop units at concession and press box buildings (installed 2010, replace 2022).	3	DRS	HVAC	$510,000.00
ELECTRICAL						$501,000.00
	E1	Provide surge suppression on main switchboard and 480/277V panels.	2.1	CA-DP	ED	$42,000.00
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$105,000.00
	E3	LED parking lot lighting upgrade. Staff Comment: Still too dark at night after fixtures added to the bus area. Maybe convert to LED lights. Poles with yellow base change to LED lighting.	3	CA	SL	$156,000.00
	E4	LED building exterior lighting.	3	CA-DP	SL	$198,000.00
PLUMBING						$1,024,800.00
	P1	Replace tankless water heaters in Field House (installed 2010, replace 2024).	3	DRS	WTRH	$403,200.00
	P2	Replace plumbing fixtures, coordinate with architectural upgrade.	4	CA-DP	PLB	$420,000.00
	P3	Replace tank-style water heaters in concession buildings.	4	DRS	WTRH	$201,600.00
TECHNOLOGY						$2,392,000.00
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T2	Provide new classroom projection equipment.	3	CA	AV	$115,000.00
	T3	Upgrade stadium sound system.	3	CA-DP	AV	$488,750.00
	T4	Upgrade stadium video system and scoreboard.	3	CA-DP	AV	$1,437,500.00
	T5	Upgrade network equipment.	3	CA	TECH	$230,000.00
	T6	Provide new technology cabling.	4	CA	TECH	$74,750.00
FIRE & LIFE SAFETY						$701,000.00
	FL1	Provide new security camera system.	2.1	CA	SCM	$431,250.00

TURNER STADIUM

Proposed Work Items

Print Date: 6/14/2017

All costs are shown in 2017 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
	FL2	Replace Cummins emergency generator (installed in 2010, replace in 2025).	3	DRS	EG	$143,750.00
	FL3	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$126,000.00
SECURITY						$215,625.00
	S1	Provide new access control system.	2.2	CA	SCR	$207,000.00
	S2	Provide new intrusion detection system.	3	CA	SIA	$8,625.00
SPORTS						$1,303,553.75
	SP1	(Field) Replace turf at Turner Stadium (just the topcoat).	2.1	CA-DP	AF	$402,500.00
	SP2	Remove and replace synthetic track surface (10mm Full Pour), concrete curbs, and asphalt pavement. Spot base repairs.	2.1	CA-DP	AT	$862,500.00
	SP3	Provide additional paving at the sidewalk outside of the southwest corner of the stadium for access to the Auxiliary Gym where Track Meet Awards Ceremonies are held.	2.2	CA-DP	AT	$38,553.75

CODE	PRIORITY	TOTAL
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$1,884,500.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$557,553.75
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$4,544,825.00
4	Future Consideration - (Life Expectancy: 10 + years)	$1,405,550.00
		$8,392,428.75

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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WAREHOUSE

Humble
Independent School District



Aerial Site Plan



1703 Wilson Road, Bldg A
Humble, Texas 77396

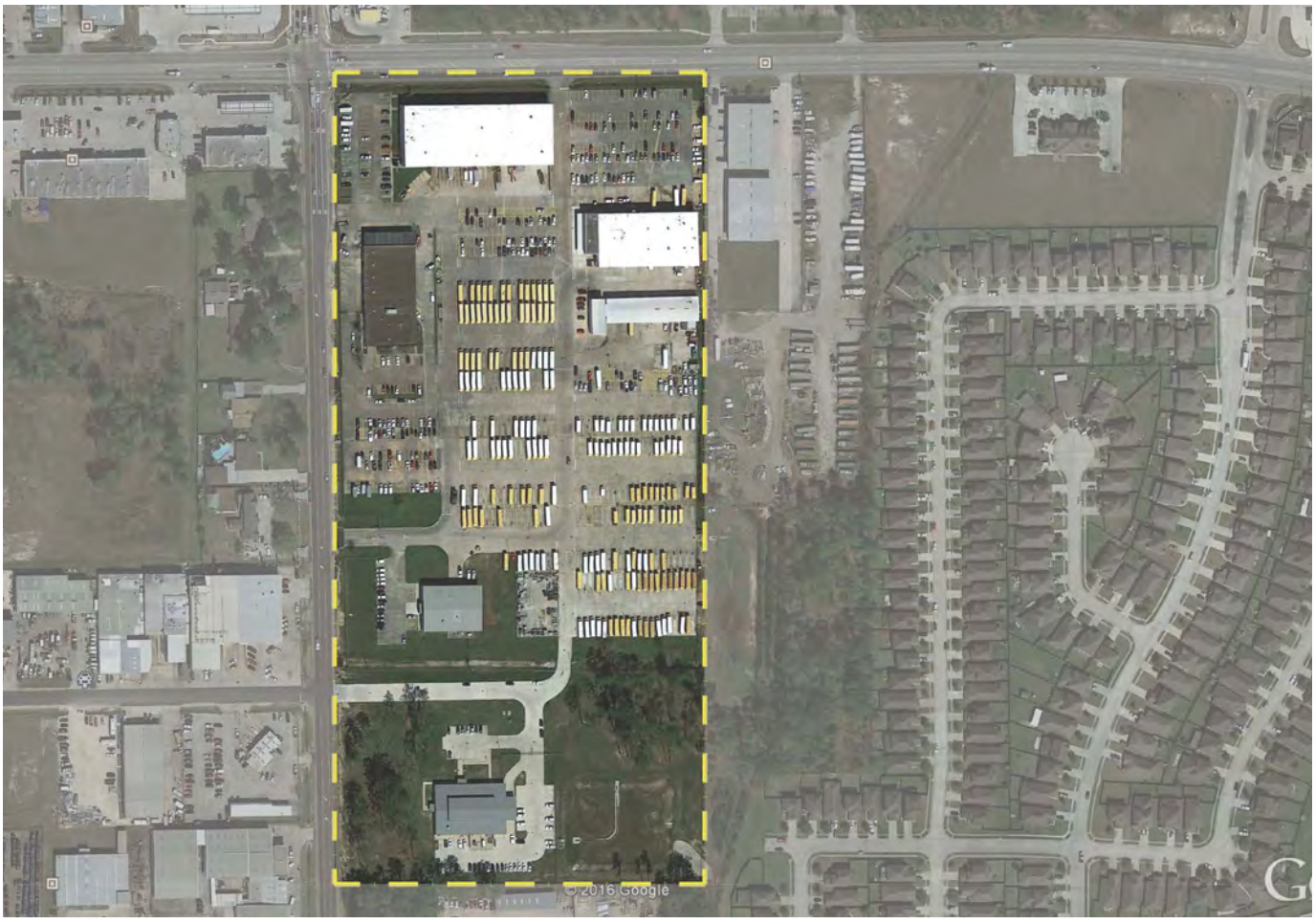
ORIGINAL BUILDING COMPLETED: 1983
BUILDING AREA: 35,453 SF
SITE ACREAGE: N/A
BUILDING CAPACITY: N/A
CURRENT ENROLLMENT: N/A
ENROLLMENT AS OF: N/A

WAREHOUSE

Front Door



Existing Site Plan



WAREHOUSE

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 dollars. The cost of all work items after this date should be adjusted accordingly.

Priority	Total Cost
Priority - 1	***$527,162.60***
Priority - 2.1	***$405,550.00***
Priority - 2.2	***$108,750.00***
Priority - 3	***$1,284,054.90***
Priority - 4	***$898,010.80***
Priority Totals	***$3,223,528.30***

DISCIPLINE	PRIORITY-MP	PRIORITY-1	PRIORITY-2.1	PRIORITY-2.2	PRIORITY-3	PRIORITY-4	COST
Building Envelope	$0.00	$0.00	$0.00	$0.00	$0.00	$555,000.00	$555,000.00
Architectural	$0.00	$23,000.00	$0.00	$0.00	$69,660.00	$86,250.00	$178,910.00
Mechanical	$0.00	$504,162.60	$238,800.00	$57,000.00	$267,600.00	$84,000.00	$1,151,562.60
Electrical	$0.00	$0.00	$0.00	$0.00	$277,066.20	$0.00	$277,066.20
Plumbing	$0.00	$0.00	$0.00	$0.00	$219,346.80	$8,050.00	$227,396.80
Technology	$0.00	$0.00	$46,000.00	$0.00	$337,673.93	$0.00	$383,673.93
Fire & Life Safety	$0.00	$0.00	$120,750.00	$0.00	$86,400.00	$164,710.80	$371,860.80
Security	$0.00	$0.00	$0.00	$51,750.00	$26,307.98	$0.00	$78,057.98
Priority Totals	$0.00	$527,162.60	$405,550.00	$108,750.00	$1,284,054.90	$898,010.80	**$3,223,528.30**

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 final scope of work will be included.

WAREHOUSE

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
BUILDING ENVELOPE						$555,000.00
	B1	Replace existing thermoplastic roof. (Last replaced 1987, roof overlay 2013, scheduled replacement 2033).	4	DRS	RFR	$555,000.00
ARCHITECTURAL						$178,910.00
	A1	Paint all previously painted Interior, Exterior and Pavilions surfaces as part of the Entire Campus Paint Projects. (Painted in 2006 scheduled for 2017).	1	DRS	PTG	$23,000.00
	A2	Replace existing carpet flooring and base throughout, as part of the Campus Carpet Replacement Project. (Previously replaced in 2005 scheduled for 2020).	3	DRS	FLR	$9,660.00
	A3	(2nd floor of Warehouse) - The 1996 Addition to the warehouse, the concrete on the 2nd floor may be settling. There is a step in the slab.	3	CA-DP	STR	$60,000.00
	A4	(Campus - wide) - Need new casework throughout current casework is original and n rough condition.	4	CA-DP	CWK	$86,250.00
MECHANICAL						$1,151,562.60
	M1	Replace in-line duct heater (1995).	1	CA-DP	HVAC	$66,000.00
	M2	Replace air handling unit on mezzanine (original 1983).	1	CA-DP	HVAC	$102,000.00
	M3	Replace suspended natural gas unit heaters in warehouse area.	1	CA-DP	HVAC	$144,000.00
	M4	Upgrade DDC System. Remove pneumatic valves.	1	CA-DP	HVAC	$192,162.60
	M5	Replace roof mounted exhaust fans and hoods.	2.1	CA-DP	HVAC	$58,800.00
	M6	Replace McQuay condensing unit.	2.1	CA-DP	HVAC	$78,000.00
	M7	Replace Carrier packaged HVAC unit serving Print Shop.	2.1	CA-DP	HVAC	$102,000.00
	M8	Replace Carrier condensing unit.	2.2	CA-DP	HVAC	$18,000.00
	M9	Selected MDF/IDF HVAC unit replacement.	2.2	CA-DP	HVAC	$39,000.00
	M10	(Open Warehouse area) - Louvers are wedged open to release heat through roof.	3	CA-DP	HVAC	$50,400.00
	M11	(Campus - wide) - Need Big Ass fans.	3	CA-DP	HVAC	$162,000.00
	M12	(Campus - wide) - Vents do not function, louvers are placed down low and screen were added to exterior.	3	CA-DP	MEQ	$55,200.00
	M13	(Campus - wide) - Do not have enough exhaust.	4	CA-DP	HVAC	$84,000.00
ELECTRICAL						$277,066.20
	E1	Provide automatic control of interior lighting.	3	CA	LTG	$109,807.20
	E2	Upgrade interior lighting to LED.	3	CA-DP	LTG	$137,259.00
	E3	LED parking lot lighting upgrade.	3	CA	SL	$30,000.00
PLUMBING						$227,396.80
	P1	Replace plumbing fixtures, coordinate with architectural upgrade	3	CA-DP	PLB	$164,746.80
	P2	(Freezer Area) - Need hose bib at freezer area. Have to bring hose from office area.	3	CA-DP	PLB	$4,200.00
	P3	Replace Bradford white domestic water heater (installed 2013, replace 2026)	3	CA-DP	WTRH	$50,400.00
	P4	(Lounge) - Need ADA sink.	4	CA-DP	FXT	$8,050.00
TECHNOLOGY						$383,673.93
	T1	Wireless access upgrade.	2.1	CA-DP	TECH	$46,000.00
	T2	Provide new classroom projection equipment.	3	CA	AV	$28,750.00
	T3	Provide new technology cabling.	3	CA	TECH	$78,923.93
	T4	Upgrade network equipment.	3	CA	TECH	$230,000.00
FIRE & LIFE SAFETY						$371,860.80

WAREHOUSE

Proposed Work Items

Print Date: 6/8/2017

All costs are shown in 2017 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
	FL1	Provide new security camera system. Staff comment: Some of the cameras do not work, There is no coverage at exterior of doors and main parking.	2.1	CA	SCM	$120,750.00
	FL2	(Main Entry) - Need a main entry vestibule.	3	CA-DP	SEC	$86,400.00
	FL3	Fire Alarm System: An upgrade to voice evacuation would need to be included in any major project.	4	CA	FA	$164,710.80
SECURITY						$78,057.98
	S1	Provide new access control system.	2.2	CA	SCR	$51,750.00
	S2	Provide new intrusion detection system	3	CA	SIA	$26,307.98

CODE	PRIORITY	TOTAL
1	Must Do: Legal, Safety Reasons, Critical Replacements - (Life Expectancy: 1 - 2 years)	$527,162.60
2.1	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 3 - 4 years)	$405,550.00
2.2	Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 4 - 5 years)	$108,750.00
3	Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)	$1,284,054.90
4	Future Consideration - (Life Expectancy: 10 + years)	$898,010.80
		$3,223,528.30

CODE	PRIORITY DESCRIPTION	TOTAL
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 (listed for reference only).	$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 final scope of work will be included.

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HUMBLE INDEPENDENT SCHOOL DISTRICT
HUMBLE, TEXAS
HARRIS COUNTY

2017 Facilities Assessment
2017-2027



helping

focus



improve



advance

compliant

quality



performance

excellence



innovative





pioneering

progress



enhance

diverse

integrity

partnership





PBK

DISTRICT OWNED PROPERTY

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Community Learning Center - 9.3 Acres 7.5

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Will Clayton Parkway - 10.35 Acres 7.6

Turner Stadium - 7.81 Acres 7.7

Woodland Pines - 23.46 Acres 7.8

Maintenance Center - 2.8 Acres 7.9

West Lake Houston Parkway - 155.36 Acres 7.10

Ridge Creek Elementary School - 30 Acres 7.11

Lakewood Pines - 15.58 Acres 7.12

Fall Creek East - 15.23 Acres 7.13



District Owned Property

Humble 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, configuration and proximity, prove helpful in the facility master planning process; particularly when evaluating the feasibility and timing for constructing new school facilities due to anticipated growth and other mitigating factors.

UNDEVELOPED, VACANT DISTRICT PROPERTIES

VACANT LAND	UNDEVELOPED ACREAGE	DESCRIPTION	LOCATION	PROPOSED USE	AERIAL PHOTO
1. **Community Learning Center Campus**	9.3	Humble Contemporary Learning Center Reserve B	West of Community Learning Center	No plan for use identified in this study (additional detailed studies may possibly be required)	Community Learning Center (#1)
2. **Will Clayton Parkway**	6.24	TR 2D ABST 1401 J GARRETT	West of CTE Center and South of Humble High School	New Early College (additional detailed studies may possibly be required)	Humble High School / Turner Stadium (#2)
3. **Will Clayton Parkway**	10.35	TR 14C-3A ABST 695 J STRANGE	East of CTE Center and South of Humble High School	New CTE Center Parking (additional detailed studies may possibly be required)	Humble High School / Turner Stadium (#3)
4. **Turner Stadium**	7.81	TRS 14C-3E-1A & 14C-3F-1ABST 695 J STRANGE	East of Turner Stadium	New District Natatorium (additional detailed studies may possibly be required)	Humble High School / Turner Stadium (#4)
5. **Woodland Pines**	23.46	TR 2 of a Called 77.2311 Acres in the J Dunman Survey, A-244 Harris County, TX	Northeast of River Pines Elementary School	No plan for use identified in this study (additional detailed studies may possibly be required)	Woodland Pines

UNDEVELOPED, VACANT DISTRICT PROPERTIES

VACANT LAND	UNDEVELOPED ACREAGE	DESCRIPTION	LOCATION	PROPOSED USE	AERIAL PHOTO
6. Maintenance Center	2.8	TR 4B ABST 1432 HE&WTRR CO SEC 6	Southwest of Maintenance Center	No plan for use identified in this study (additional detailed studies may possibly be required)	Maintenance Center (#5)
7. West Lake Houston Parkway	155.36	TR D DOOLEY PARTITION	Southeast of Groves Elementary School	No plan for use identified in this study (additional detailed studies may possibly be required)	West Lake Houston Parkway
8. Ridge Creek Elementary School	30	UNDEVELOPED NORTHERN PORTION OF THE RIDGE CREEK ES SITE	North of Ridge Creek Elementary School	No plan for use identified in this study (additional detailed studies may possibly be required)	Ridge Creek Elementary School
9. Lakewood Pines	15.58	TR 25 ABSTRACT 2 OF THE V BLANCO SURVEY	Southeast of Groves Elementary School	No plan for use identified in this study (additional detailed studies may possibly be required)	Lakewood Pines
10. Fall Creek East	15.23	VICTOR BLANCO SURVEY, A-2 HARRIS COUNTY, TX	Southwest corner of Sam Houston Tollway and Garners Bayou	No plan for use identified in this study (additional detailed studies may possibly be required)	Fall Creek East



Notes:

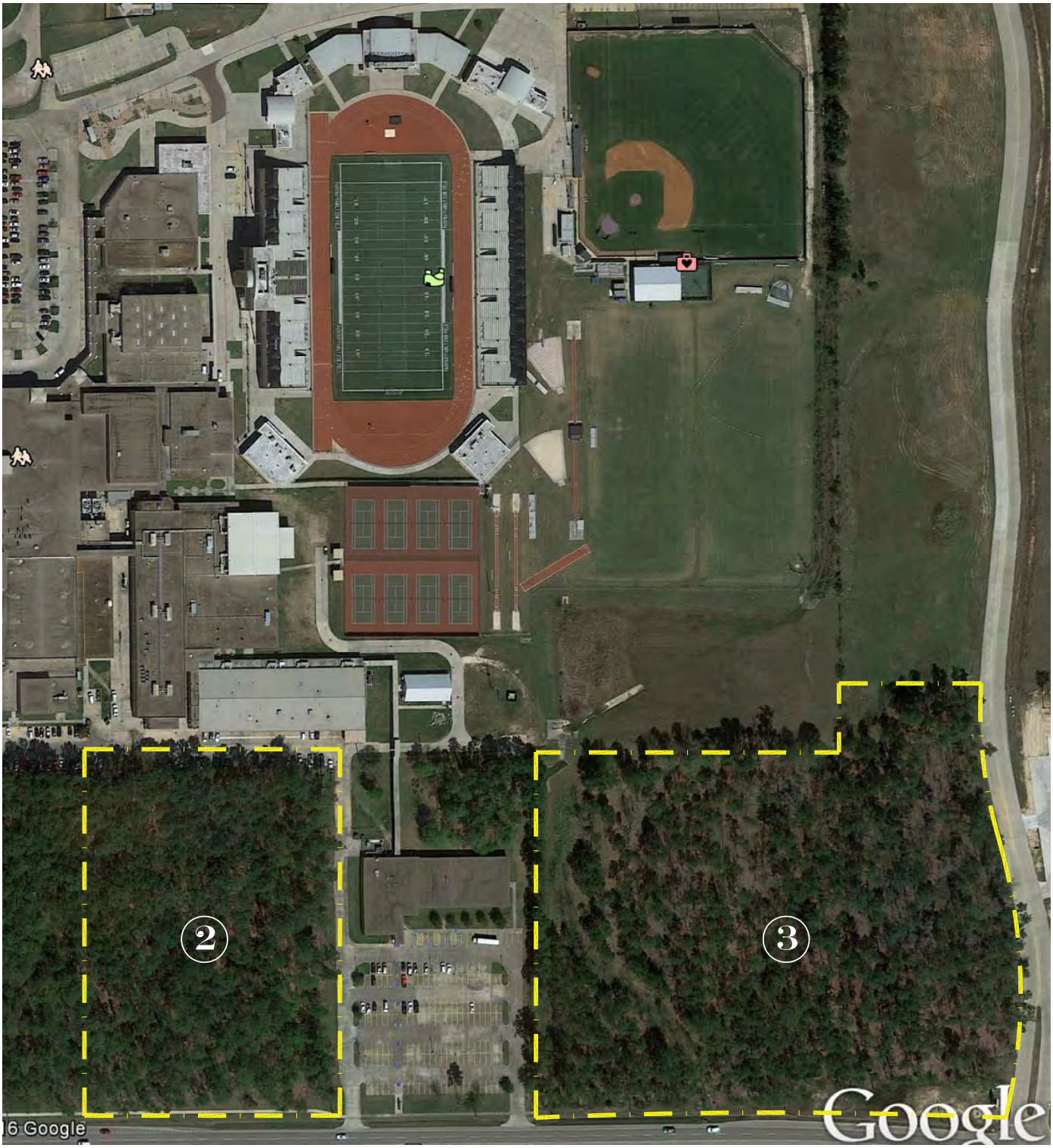
1. **9.3 Acres Undeveloped Land**

Undeveloped Land - Community Learning Center

Humble Independent School District

Composite Site Plan

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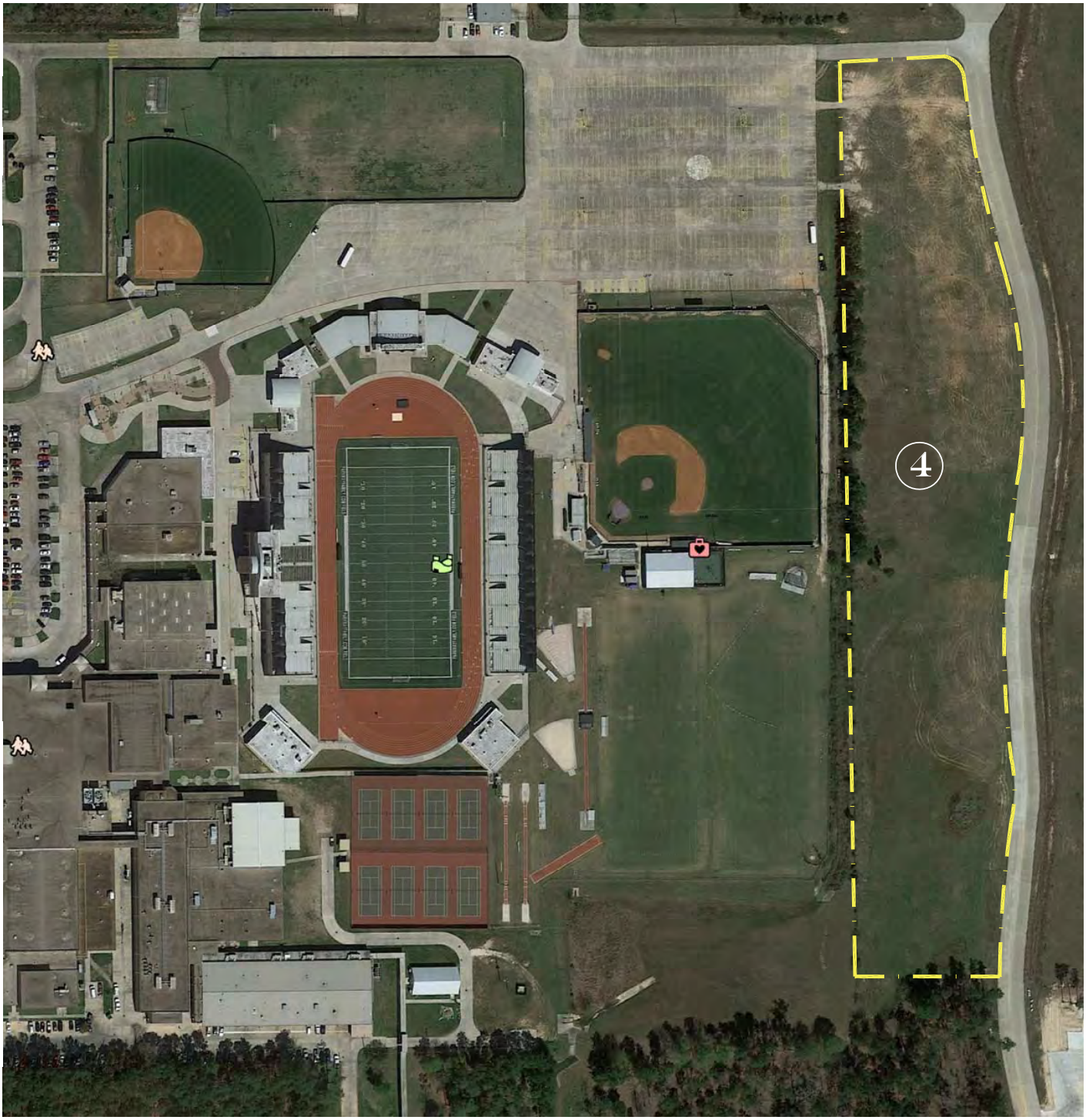
Notes:

2. 6.24 Acres Undeveloped Land
3. 10.35 Acres Undeveloped Land

Undeveloped Land - Humble High School / Turner Stadium

Humble Independent School District

Composite Site Plan



Notes:

4. 7.81 Acres Undeveloped Land

Undeveloped Land - Humble High School / Turner Stadium

Humble Independent School District

Composite Site Plan



Notes:

6. 23.46 Acres Undeveloped Land

Undeveloped Land - Woodland Pines

Humble Independent School District

Composite Site Plan



Notes:

5. 2.8 Acres Undeveloped Land

Undeveloped Land - Maintenance Center

Humble Independent School District

Composite Site Plan



Notes:

7. 155.36 Acres Undeveloped Land

Undeveloped Land - West Lake Houston Parkway

Humble Independent School District

Composite Site Plan



Notes:

8. 30 Acres Undeveloped Land

Undeveloped Land - Ridge Creek Elementary School

Humble Independent School District

Composite Site Plan



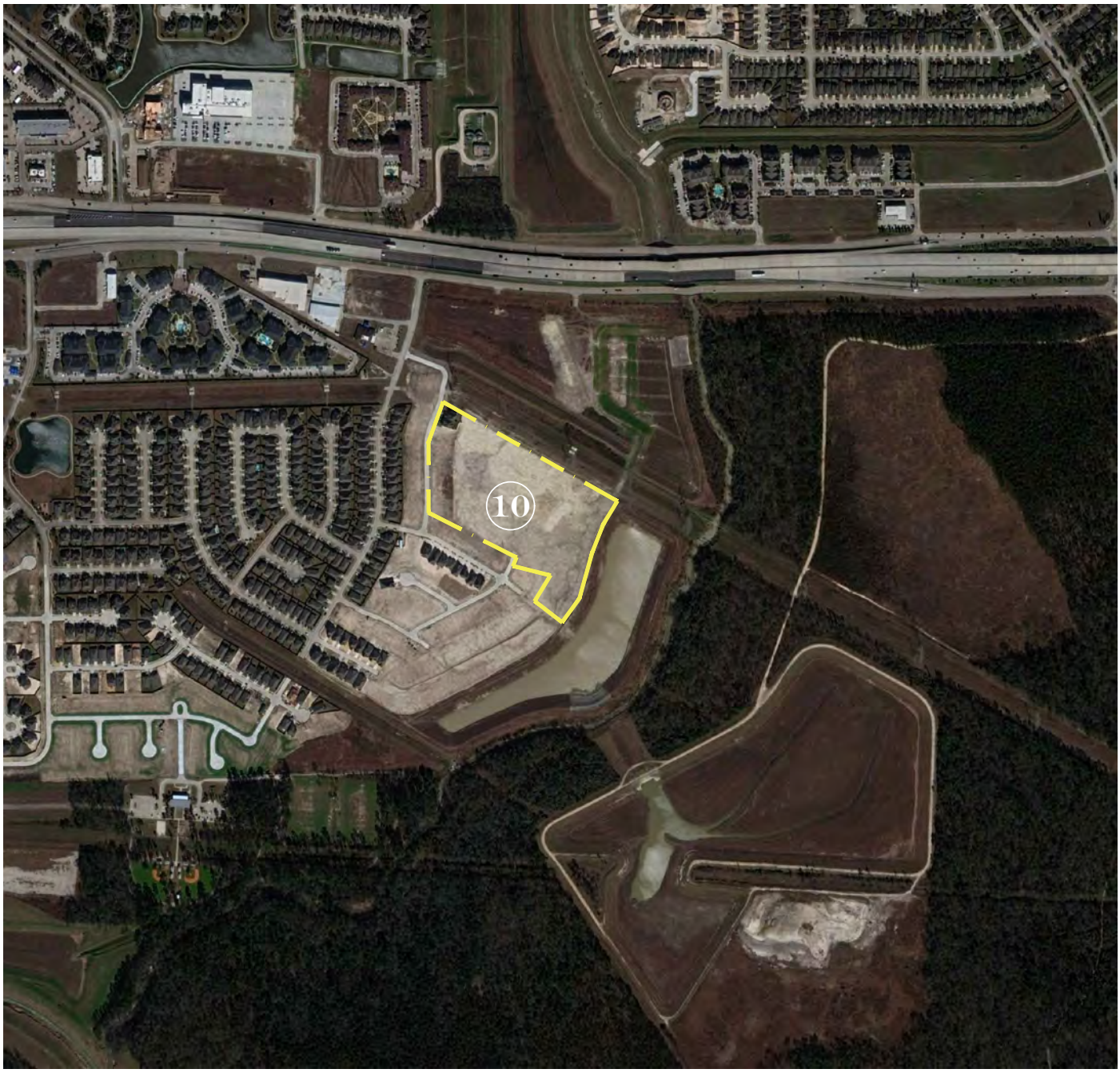
Notes:

9. 15.58 Acres Undeveloped Land

Undeveloped Land - Lakewood Pines

Humble Independent School District

Composite Site Plan



Notes:

10. 15.23 Acres Undeveloped Land

Undeveloped Land - Fall Creek East

Humble Independent School District

Composite Site Plan

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HUMBLE INDEPENDENT SCHOOL DISTRICT
HUMBLE, TEXAS
HARRIS COUNTY

2017 Facilities Assessment

2017-2027



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improve



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compliant



quality



excellence

performance



innovative





pioneering

progress



enhance

diverse

integrity

partnership





PBK

TECHNOLOGY PLAN

Contents

Summary of District-Wide Technology Needs 8.3

The "2017 District-wide Technology Needs" as described in this chapter are for District-wide technology programs, software upgrades or replacement, and/or equipment life cycle replacement cost and are not identified in the individual campus report.



SUMMARY // HUMBLE ISD

2017 DISTRICT-WIDE TECHNOLOGY NEEDS

	COST
DATA CENTER UPGRADES/HARVEY RECOVERY A large portion of the districts SAN and Server farm are going end of life in the next 4years. In addition, the UPS/HVAC system that runs in the Secondary NOC is inadequate for the reliability the district of Humble's size requires. Due to hurricane Harvey, the district needed to replace equipment at the ISC immediately to restore services to critical systems such at ESchool and Munis. We also recognized a need for new backup software and other items that would allow us to recover faster and be more prepared in the case of another disaster.	**$4,500,000.00**
GENERATOR/MORE POWER, UPS & HVAC UPGRADES TO MDF/IDF ROOMS Upgrade MDF and IDF rooms District wide to keep the network, phone, access control, MDF/IDF room HVAC, child nutrition freezer monitors, and similar critical systems up and running during a power outage or interruption. This line item is of utmost importance from a safety perspective.	**$1,500,000.00**
PALO ALTO FIREWALL UPGRADE Our current firewalls (one at both the ISC-Primary NOC and Administration building-Secondary NOC) are currently rated for 5 Gbps each. The district's current bandwidth is 4Gbps total which is growing each year. With the addition of more devices and a more reliable network we suspect this will quickly grow in the next few years. During that time we will be adding another internet provider at the Secondary NOC for 5Gbps as well burstable to 10 Gbps in the chance the Primary NOC goes down. Right now, there will be a bottleneck of data with the current firewall.	**$1,000,000.00**
EMERGENCY CELL/ROUTER BACKUPS Add emergency cell/router backups at each campus. This is a new concept that will allow campuses to call out through a cellular connection in case the primary and secondary fiber lines are cut or service over the fiber lines is interrupted.	**$1,500,000.00**

SUMMARY // HUMBLE ISD

2017 DISTRICT-WIDE TECHNOLOGY NEEDS

	COST
UPGRADE THE VOIP HANDSETS AND ROUTERS Complete the district-wide VOIP handset and router upgrade. About half of the handsets need to be upgraded.	**$500,000.00**
DEVICE ROTATION/EMERGENCY PURCHASE FOR HARVEY The district vision is to provide accessible with devices either through BYOD or district own. The minimum district owned devices will be a four student to one device (4:1) ratio at non-Title 1 campuses and a three student to one device (3:1) ratio for Title 1 campuses. We will also be creating a menu of options allowing campuses to pickwhich devices best meet their needs. This menu of options will also be for teachers, administrators, and other professional staff per campus. Currently there is no plan for desktop replacement for campus/district paraprofessionals nor campus/CATE teaching labs. (COST: $1,600,000 per year for student and campus (professional staff) devices for a total cost of $8,000,000 to cover five years; $4,000,000 campus paraprofessionals and campus/CATE Labs.) Also, due to Hurricane Harvey, the district had to do an emergency purchase of laptops for the ISC and Kingwood High School staff members. This will help the district recollect some of the funds that were spent in this time of need.	**$12,000,000.00**
MAKERSPACES/INNOVATION NEEDS The need for innovative technology at every campus is a necessity with the portrait of a graduate. These funds will be only used when curriculum and the campus come to a consensus on a purchase to ensure it is not just purchasing a 'toy' but rather something to take curriculum to the next level. The cost: $4,000,000 ($150,000 per high school; $100,000 per middle school; $75,000 per elementary school.)	**$4,000,000.00**
GRAND TOTAL:	**$25,000,000.00**