



CITIZENS ADVISORY COMMITTEE

MEETING #4

Tuesday, October 29, 2019
Friendswood High School



WELCOME



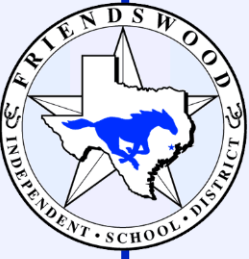


FRIENDSWOOD HIGH SCHOOL TOUR





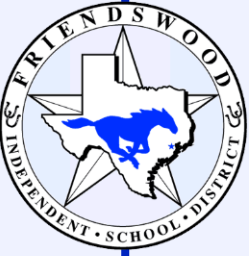
FRIENDSWOOD HIGH SCHOOL: FACTS AND FIGURES



FRIENDSWOOD HIGH SCHOOL: FACTS AND FIGURES



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

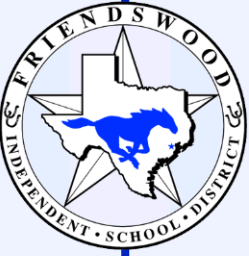


**HIGH DEMAND, HIGH WAGE,
HIGH SKILL OCCUPATIONS**

TEXAS  **CTE**

The graphic between the words "TEXAS" and "CTE" consists of a blue five-pointed star at the top, with a red swoosh or arc curving downwards and to the right from beneath the star.

Your journey starts here.



FRIENDSWOOD HIGH SCHOOL CAREER & TECHNICAL EDUCATION

2,312 STUDENTS

Agriculture – 342

Audio Video/Graphic Design – 283

Business, Marketing & Finance – 316

Computer Science – 123

Culinary Arts – 143

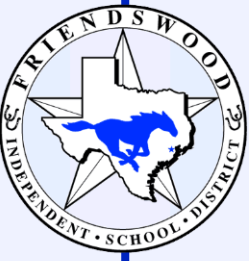
Education and Training – 104

Engineering – 335

Health/Biomedical Science – 304

Law and Public Service – 304

**Some CTE courses also count as Fine Arts, Math, Science, and World Language credit*



AGRICULTURE - 342 STUDENTS

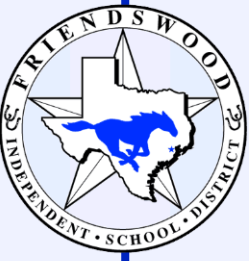
Ag Classrooms

Expand workspace and kennel for Small Animal Management to provide grooming services to the community and to socialize service dogs

Floral Design Lab

Expand workspace and coolers for floral arrangements for district and community events

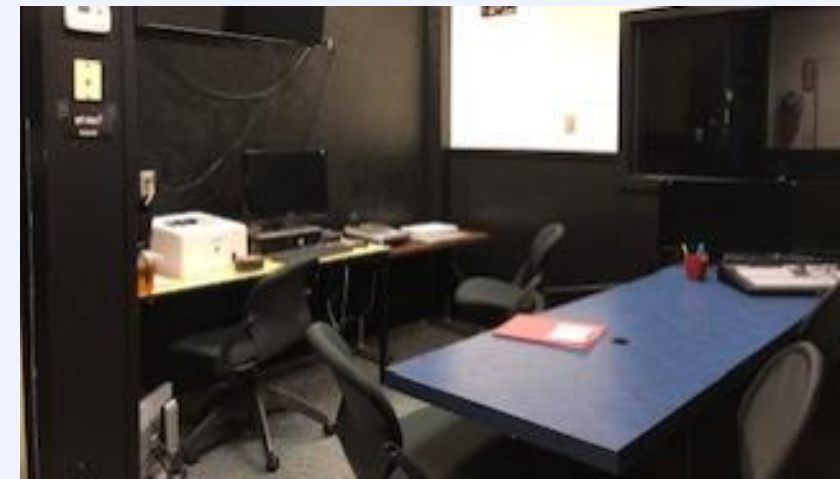


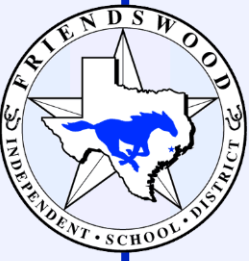


A/V PRODUCTION AND GRAPHIC DESIGN - 283 STUDENTS

MCS Studio and Classroom

Expand space for 3 cameras - additional angles required in certification and competitions, swing set for weather and sports, equipment storage outside the studio, improved lighting, film set, classroom/screening room with theater seating.





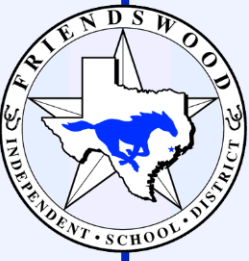
COMPUTER SCIENCE - 123 STUDENTS

Lab and Collaboration Space in addition to computers for physical computing - coding and programming robots and drones

Cybersecurity Classes

- Expand these course offerings
- Requires classroom with isolated network

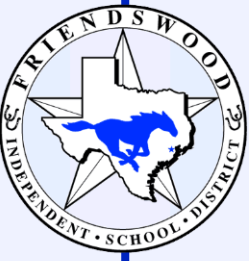




CULINARY ARTS - 143 STUDENTS



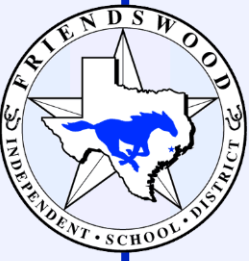
Upgrade to a Professional Kitchen with self contained workstations and separate classroom space with a demonstration workstation, projection, and screen. Space to provide catering for district and community events.



ENGINEERING - 335 STUDENTS

- Lab and work spaces for Engineering, Robotics Class and FIRST Tech Challenge/Robotics Competition, and INCubatoredu.
- Add Rocketry.

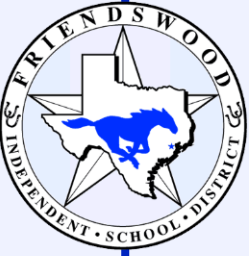




HEALTH SCIENCE & BIOMEDICAL SCIENCE - 362 STUDENTS

- Expand Simulation Lab, Hospital Room, Clinic Exam Room, Biomed Lab, and space to practice skills.
- Add EMT Class with model Ambulance





HIGH SCHOOL ATHLETIC DEPT.

PARTICIPANTS

Greatest Needs:

Gym Space

Locker Rooms

Equipment Storage

Meeting Rooms

962 STUDENT ATHLETES

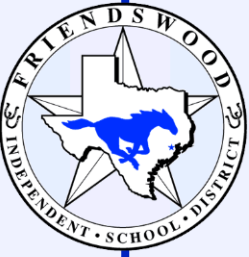
612 Male Athletes

350 Female Athletes

120 PE Students

TOTAL STUDENTS: 1,082

**This number has been as high as 1,200 in recent years.*



GYM SPACE

Currently, we have 3 Athletic programs sharing 2 Gyms. Only one gym, the girls gym, may be used for volleyball due to height restrictions.

During Volleyball playoffs, we do not have enough gym space for all three programs to practice.

During Basketball season, our Volleyball program is not able to have a gym for practice.

Band, Color Guard, and Wranglerettes also use the gyms to work on routines, but often have to seek alternative locations due to space constraints.

Gyms are also used for outdoor sports in case of inclement weather.





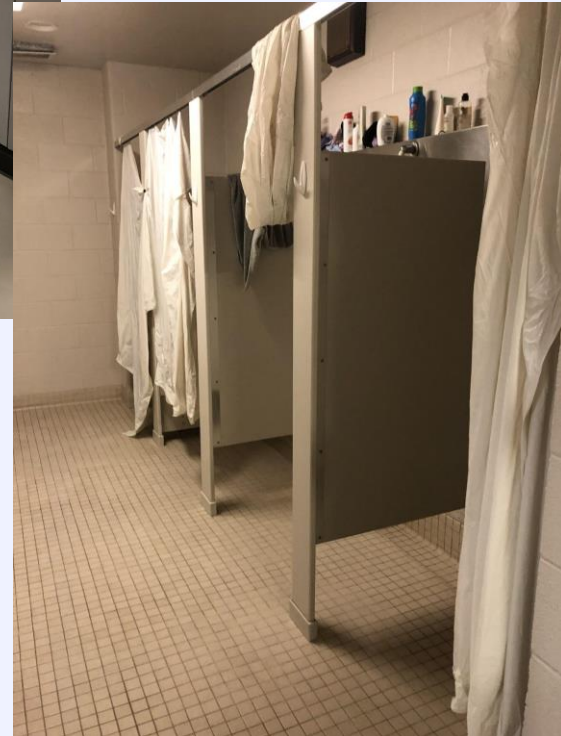
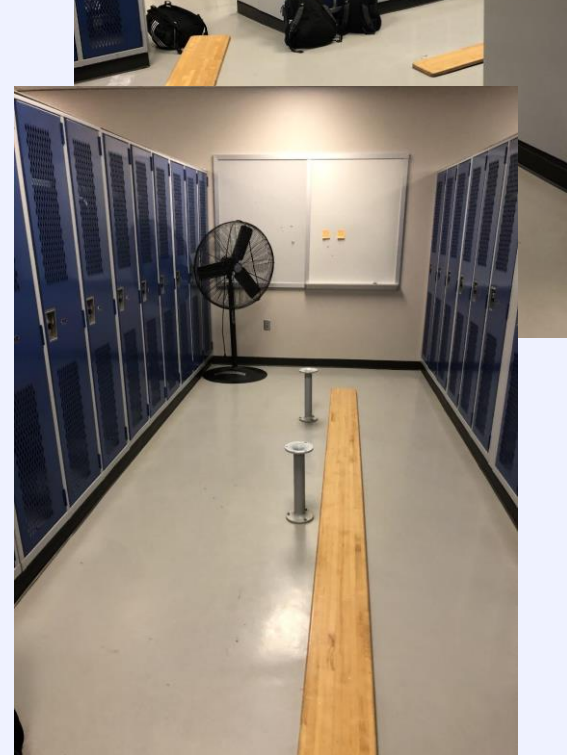
LOCKER ROOMS

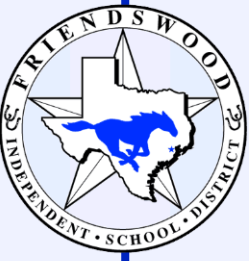
Locker Rooms are overcrowded and dated.

Coaches offices are not in proximity to locker areas.

Girls Athletics has 240 girls dressing out during 7th period.

Locker Rooms are very overcrowded and currently has 6 toilets to accommodate them.

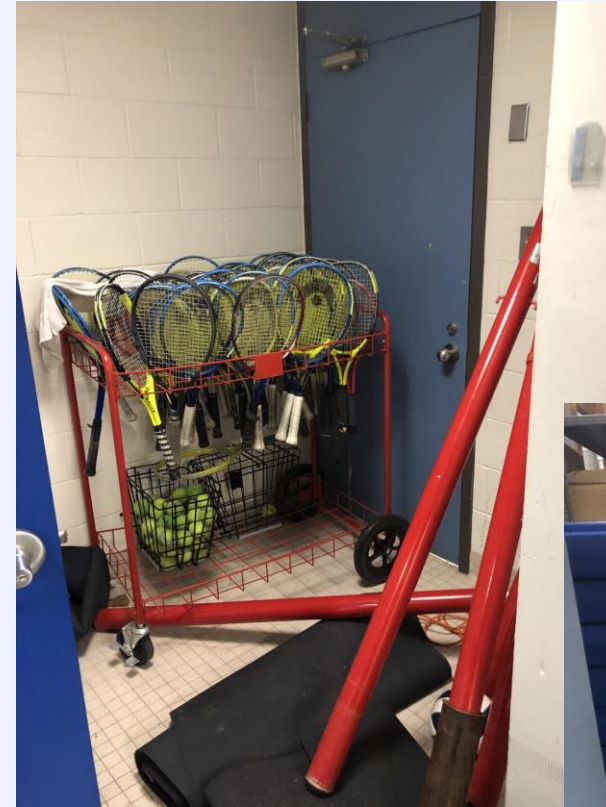


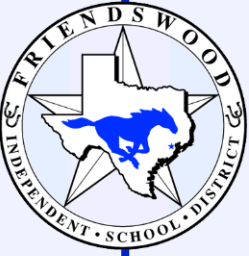


STORAGE

The Athletic Department does not have adequate storage for equipment.

Bathrooms, ticket booths, teachers classrooms and attics are currently being used to serve as storage areas.



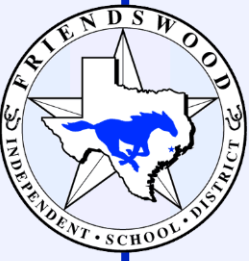


COACHES' OFFICES

Current offices for coaches are small and not adjacent to locker areas.

Multiple coaches are assigned to small offices and some coaches do not currently have office space.





HIGH SCHOOL BAND/ COLOR GUARD – 200+ STUDENTS

THE PROBLEM

Not enough instructional space due to lack of size, lack of rooms, and no storage. Currently the space as built is too small, not enough rooms to break up into, and we use current space for equipment storage throughout the day. This decreases the size of the current rooms and eliminates some rooms from being use. Because we don't have enough space, we use the cafeteria, both gyms sometimes, even the FFA room to have space enough to rehearse. We have a storage unit costing the boosters \$3k a year.



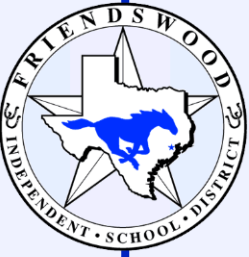
BAND HALL #1

Notice the following:

1. Not enough space to teach due to equipment.
2. Instrument lockers are worn out and contribute to lack of space.
3. We can't put all of our students in there.

CONCLUSION:
Need more space and separate storage.





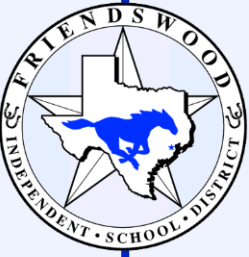
BAND HALL #1

The color guard rehearses 3 periods a day.

In the spring, the guard has to practice in a gym. Currently at Bales.

HS needs more gyms to house the guard.





BAND HALL #2

Notice the following:

1. Not enough space to teach due to equipment.
2. Instrument lockers are worn out and contribute to lack of space.
3. We can't put all of our students in there.

CONCLUSION:
**Need more space and
separate storage.**



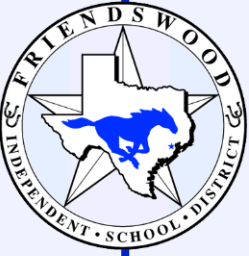


BAND HALL #2

Room between Band Hall #2 and Choir Room.

A storage room, no room to teach.



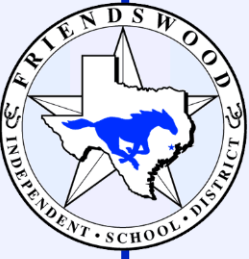


COLOR GUARD STORAGE

Color Guard currently has 30 members but will be back at 50-60 soon.

This is the guard storage room for 50 girls that the security room was taken out of.



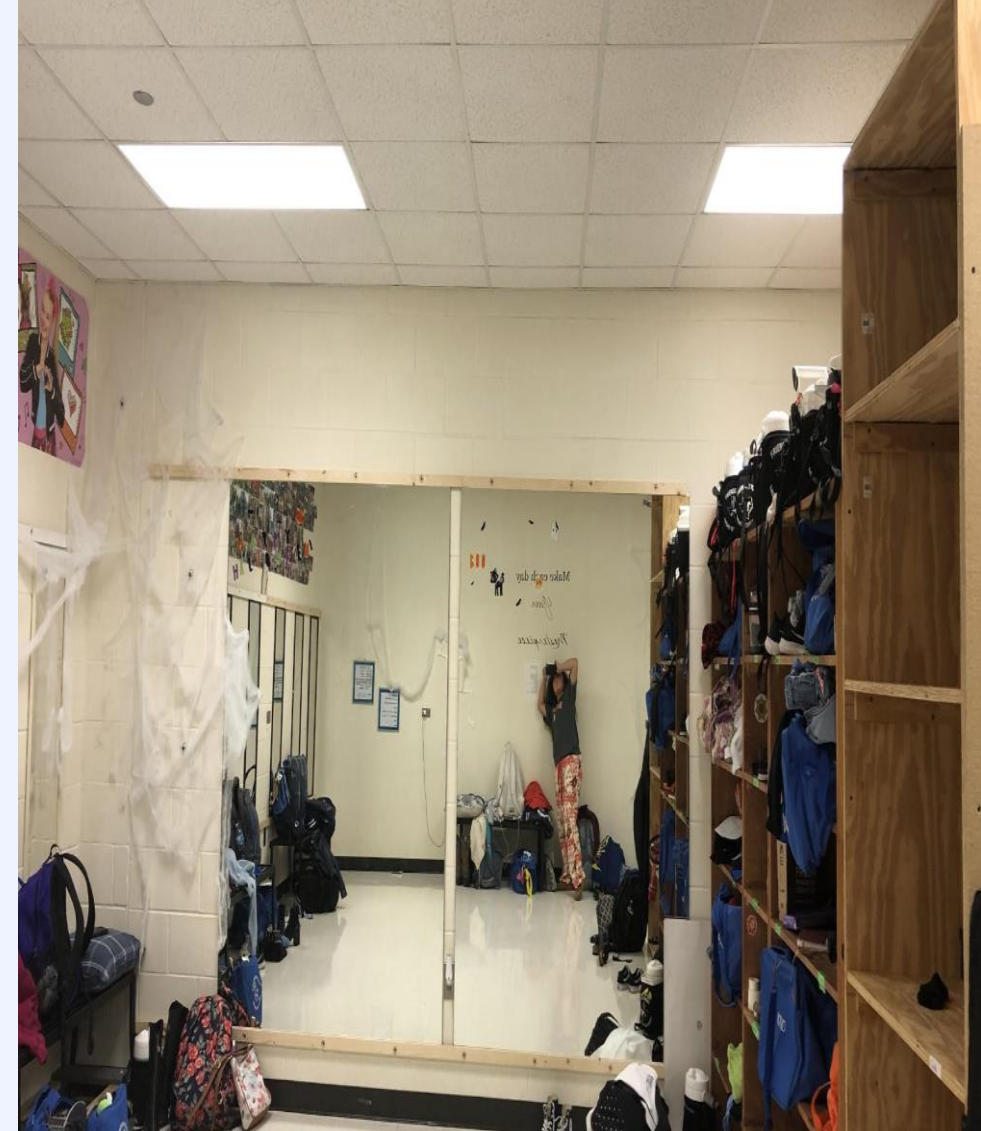


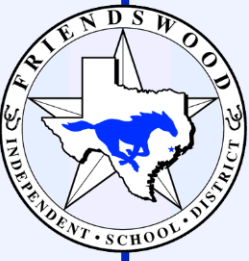
COLOR GUARD ROOM (TEMP.)

Notice the following:

1. This was a small inclusion room in the science wing.
2. Mirrors were installed but no lockers or running water or sinks or a shower.
3. 50 - 60 students in there?

CONCLUSION:
Need a color guard dressing room.





OFFICE SPACE & MUSIC LIBRARY

Notice the following:

1. 5 staff in office
2. Can't move around conference table
3. Library has no work place flat top nor is large enough to house everything
4. Both spaces are currently used to teach small student ensembles.





BAND/COLOR GUARD CONCLUSION

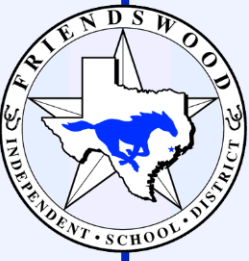
The band needs larger band halls, with one large enough for the marching band, a percussion room, a separate storage room for percussion and a separate one for instruments, color guard changing rooms, minimum 8 practice rooms, more office space, and a larger library not to mention a uniform room and kitchen/storage room with a shower for the directors. Thanks



DR. MYRLENE KENNEDY AUDITORIUM

THE HEART OF THE FINE ARTS CULTURE OF EXCELLENCE AT FHS

- This space serves **980 Fine Arts Students**
- Theatre, Band, Choir, Dance
- The Auditorium hosts **30+ performances a year -**
- Attendance adds up to **21,000 attendees:**
Students, Staff, Families, Community

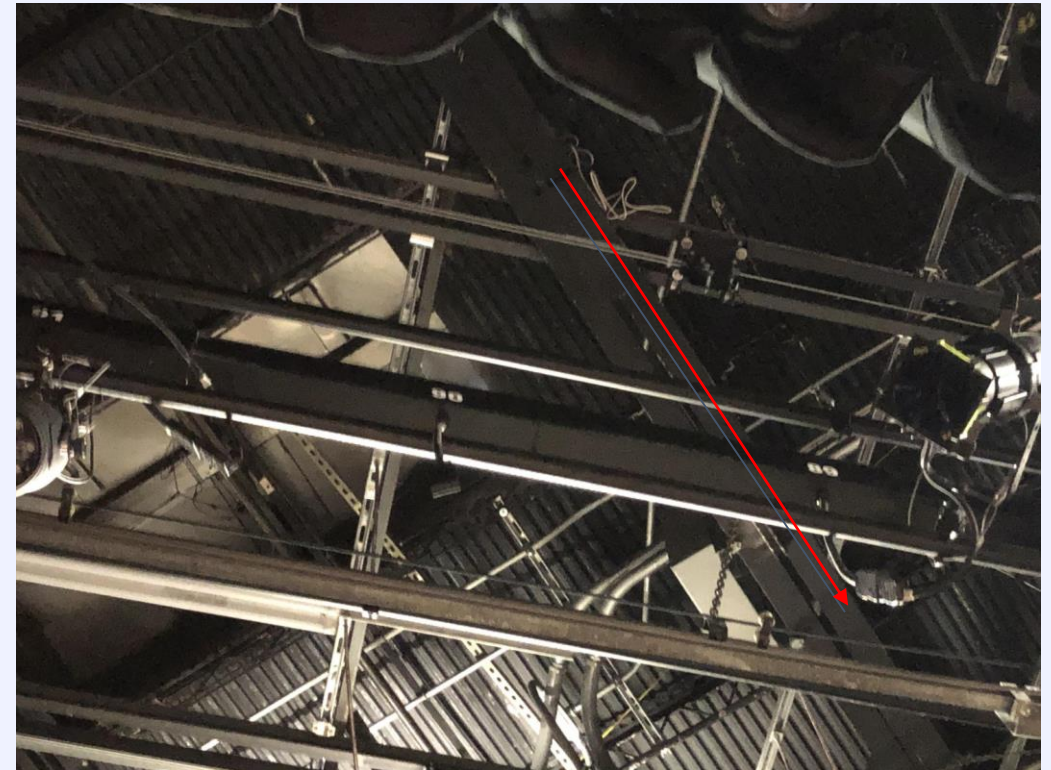


THE STATE OF THE AUDITORIUM UIL

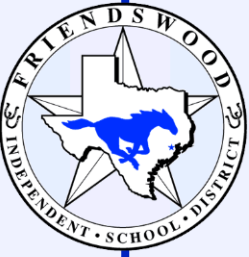
**FHS Auditorium footprint is
50 years old.**

FHS Auditorium has fallen below the UIL State standard of spaces, has not grown to meet the needs of our student body and is increasingly becoming unsafe for our students.

We do not have a “standard – acceptable Playing FIELD”. It is as if we can only play $\frac{3}{4}$ of a football, basketball, volleyball court. Below standard in our UIL District, Area and Region school sites.



The footprint is at an angle making rigging difficult and dangerous.



THE STATE OF THE AUDITORIUM

THE HOUSE

Current Audience Seating:

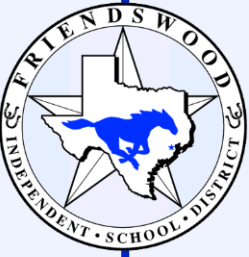
- NO ADA accessible door access or seating down front.
- Current capacity inadequate to meet student body needs.
- 70 seats in need of repair – parts are unavailable
- House lights are dangerous to change: ceiling is plaster and there are no above seating catwalks.

Curtains:

- In need of cleaning, repair, and fireproofing, but they have dry-rot making this impossible.
- Necessary placement mixed with structural load bearing walls makes scene changes difficult



These seats are different from all the rest



THE STATE OF THE AUDITORIUM

THE STAGE

- No FLY system for sets: 50 years using the WAGON system

Technical Control Booth:

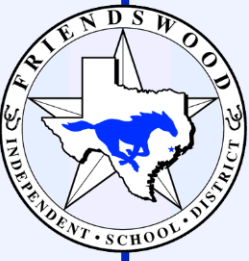
- Difficult to Secure
- There is NO heat or air in the booth – makes it difficult on students and very expensive electronics (ION Lighting Control Board, Two Sound Boards, Stage Projectors)

Floor:

- Structural decay – Lifting up/unlevel – Decaying due to years of use/water/previous termite damage
- Side brick walls that face audience – Aged to the point of starting to crumble and aged due to 1991 Fire



The stage began to buckle this summer



THE STATE OF THE AUDITORIUM

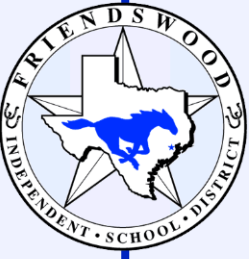
THE SHOP

Scenic Shop:

- No saw dust retrieval system.
- No GFCI outlets for power tools.
- Inadequate number of outlets for use of tools.
- No paint sink. Paint must be washed down a regular drain in a small kitchen-style sink.
- No storage for wood and scenic properties.
- No room for a whole hands-on class to work/learn. There are 3 classes of Technical Theatre every day that need to use the shop as a classroom.
- No cage to secure tools.
- Barn door is manual and not appropriate for daily use with students.

Dressing Rooms:

- Poor Plumbing
- Roof leaks
- No makeup stations



THE STATE OF THE AUDITORIUM BACKSTAGE

Barn Doors:

- Not motorized – FHS has 3

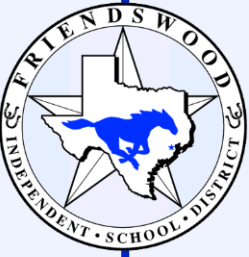
Storage:

- Vertical NON-caged ladders to storage areas.
- With a budget of \$6,000.00 a year for production and classroom cost – FHS Theatre must save furniture – recycle wood and platforms from year to year.

Water Pipes:

- Hot water/under pressure in the back stage area. Valves for this system are in the immediate set changing area/microphone area and curtain areas.
- These are at the 13' level and our sets wagons are at 12.5 level- add to this the unlevelled backstage floor.





THE STATE OF THE AUDITORIUM BACKSTAGE



*Ducts falling out of ceiling by
the access to the house lights*



*Return air space under
the stage*



HIGH SCHOOL NEEDS AND PROPOSED PROJECTS



FRIENDSWOOD HIGH SCHOOL

PRIORITY MAINTENANCE ITEMS

Friendswood High School

Proposed Work Items

Print Date: 10/17/2019

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

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS CODE	TOTAL COST
CIVIL						
						\$10,125.00
	C1	Provide hose bibb by dugouts.	2.1	CA	AF	\$3,375.00
	C2	Reset inlet to grade.	2.1	CA	SD	\$6,750.00
BUILDING ENVELOPE						
						\$5,782,816.80
	B2	Replace existing built up, modified bitumen and single ply roof systems per District standards.	1	CA	RFR	\$5,782,816.80
ARCHITECTURE						
						\$6,715,102.50
	A3	Provide risers for band.	2.1	DP	FURN	\$54,000.00
	A4	Provide Wenger musical storage for band. (Need storage for all marching band equipment.)	2.1	DP	FURN	\$267,300.00
	A5	Provide additional soundproofing between choir and band rooms.	2.1	DP	REN	\$24,975.00
	A6	Provide additional storage for standing risers. Assume 500 SF.	2.1	DP	REN	\$124,875.00
	A7	Remove panel walls. Remove and replace walls and doors in 600s, 700s, 800s, & 900s.	2.1	CA	REN	\$199,800.00
	A8	Renovate auditorium dressing rooms for theater.	2.1	DP	REN	\$249,750.00
	A9	Renovate old computer lab and convert to computer science. (Existing space is too small and includes their own server/wifi in room.)	2.1	DP	REN	\$389,610.00
	A10	Renovate fine arts suite per District standards (includes acoustical treatments, instrument & uniform storage, practice rooms, etc.). This will renovate the choir room and band hall only (not the auditorium).	2.1	CA	REN	\$4,070,925.00
	A11	Provide shower and restroom adjacent to hospital room for clinical. Set up exactly like a hospital.	2.1	DP	ADD	\$50,625.00
	A12	Provide new/additional acoustical treatments at auditorium per District standards (includes wall acoustics, window treatment, ceiling treatment, door sound seals, etc.).	2.1	CA	ACO	\$135,000.00
	A13	Provide Wenger acoustical shell for auditorium stage.	2.1	DP	ACO	\$237,600.00
	A14	Provide new classrooms for softball, health, and ISS. Currently in portable buildings and would like to bring them in. Assume 2400 SF addition.	2.1	CA	ADD	\$865,080.00
	A15	Provide Wenger pull out for choir library room. (Currently library room full.)	2.1	DP	CWK	\$18,562.50
	A16	Provide two additional pairs of doors for egress at cafeteria. Existing traffic flow issues: cafeteria exit, hallway to math science (main exit to cafeteria only has one pair of doors and would like to add two pairs of doors).	2.1	PQI	DR	\$27,000.00
MECHANICAL						
						\$2,653,425.00
	M1	Replace hot water pumps.	1	CA	HVAC	\$21,600.00
	M2	Replace chilled water pumps.	1	CA	HVAC	\$43,200.00
	M3	Replace air cooled chiller.	1	CA	HVAC	\$67,500.00
	M4	Replace hot water boiler.	1	CA	HVAC	\$74,250.00
	M5	Replace exhaust fans on the roof.	1	CA	HVAC	\$108,675.00
	M6	Provide test and balance of HVAC systems.	1	CA	HVAC	\$171,450.00
	M7	Replace roof top units.	2.1	CA	HVAC	\$911,250.00
	M8	Replace aged air handling units.	2.1	CA	HVAC	\$1,012,500.00
	M9	Replace condensing units.	2.1	CA	HVAC	\$101,250.00
	M10	Replace science lab exhaust fans.	2.1	CA	HVAC	\$141,750.00
ELECTRICAL						
						\$454,950.00
	E1	Replace secondary switchgear.	1	CA	ED	\$342,900.00



Friendswood High School

Items

Print Date: 10/17/2019

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

ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS CODE	TOTAL COST
	Replace exterior lights with LED lighting.	2.1	CA	LTG-E	\$32,400.00
	Provide additional site lighting and wall packs. (Need better campus lighting. Currently they turn on athletic field lighting since existing lights are not enough.)	2.1	DP	LTG-E	\$12,150.00
	Provide additional lighting in main corridor.	2.1	DP	LTG-I	\$67,500.00
					\$1,600,425.00
	Replace hot water heater.	1	CA	PLWH	\$162,000.00
	Replace plumbing fixtures.	2.1	CA	PLF	\$600,075.00
	Replace gas piping.	2.1	CA	PLGP	\$514,350.00
	Renovate existing faculty restroom 340. (Currently can't use due to drainage - broken lines from original plumbing lines.) Demo and relocate restroom.	2.1	CA	PLF	\$54,000.00
	Replace waste piping.	2.1	CA	PLSS	\$270,000.00
					\$918,000.00
	Provide resilient fiber connection in and out of campus.	2.1	CA	TECHSI	\$40,500.00
	Provide new AV systems and controls per District standards (includes lighting, sound, video, theatrical light fixtures, speakers & inputs, DMX, sound amplifiers, projector and screen, control booth, communications, etc.).	2.1	CA	AV	\$202,500.00
	Provide additional computers for education and training.	2.1	DP	MEQ	\$67,500.00
	Provide interactive projectors for all special education classrooms.	2.1	DP	AV	\$81,000.00
	Upgrade classroom presentation/AV delivery capabilities to district-wide controlled, dedicated solution.	2.1	CA	TECHSI	\$526,500.00
					\$2,284,336.69
	1 Replace fire alarm to district-wide standard voice evacuation system.	2.1	CA	FA	\$603,586.69
	2 Repair PA system in athletic area.	2.1	CA	PA	\$20,250.00
	2 Provide new room graphics and way-finding signage per ADA requirements.	2.1	DP	SGN	\$13,500.00
	2 Add security film to the interior access controlled storefront door(s) and window(s) at the front only secure vestibule and to the doors and adjacent windows at all other secondary building entrances.	2.1	CA	SEC	\$81,000.00
	6 Provide additional security for check in desk, add cameras.	2.1	PQI	SGM	\$13,500.00
	8 Provide new fencing and fence modifications to improve security at the stadium. Provide secure gates and additional fencing for football field. (Currently no way to control field from public crowd. Also, currently students are able to bend gates to gain access to field.)	2.1	DP	SF	\$67,500.00
	17 Replace exterior doors and hardware. Re-key entire facility per new District "grand master" keying system. Existing exterior doors are inconsistent and need replacement. Identify doors that need replacement.	2.1	CA	DR	\$165,375.00
	18 Replace older interior doors and hardware. Re-key entire facility per new District "grand master" keying system. Older doors. (Door line item 2 of 3)	2.1	CA	DR	\$1,319,625.00
					\$5,676,836.42
	ES				
	1 Provide exhaust at locker room sport areas.	1	CA	MECH	\$27,000.00
	2 Replace all interior doors and repaint all frames. Replace for boys' gym. Provide new doors for weight room.	2.1	CA	DR	\$93,150.00
	3 Provide new lockers at all areas. Existing dressing and shower facilities for football and baseball are insufficient. Revise layout existing lockers (currently on top of one another).	2.1	CA	LOC	\$71,415.00
	4 Provide large laundry space for sports and new machines.	2.1	CA	ADD	\$144,180.00

Friendswood High School

Work Items

Print Date: 10/17/2019

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

ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS CODE	TOTAL COST
SP5	Provide new coaches offices. (Need office space for coaches - area is congested.) Provide new shower facilities and lockers for male coaches.	2.1	CA	ADD	\$432,540.00
SP6	Replace softball backstop netting with new 40' tall back-tensioned system extending to the end of each dugout.	2.1	CA	AEO	\$82,309.50
SP7	Renovate hitting cage facility (netting and turf).	2.1	CA	AEO	\$94,500.00
SP9	Reseal tennis courts and resal joints.	2.1	CA	TC	\$86,400.00
SP10	Provide new bullpens with concrete pad and nylon synthetic turf.	2.1	DP	AF	\$121,500.00
SP11	Strip, fill in 2' of sand rootzone, regrade and resod baseball and softball fields and add drainage.	2.1	DP	AF	\$990,225.00
SP12	Replace ceiling tiles at scoreboard room. (Roof is leaking.)	2.1	CA	CLG	\$1,890.00
SP13	Repair boys' locker room.	2.1	CA	PTG	\$18,900.00
SP14	Renovate the visitors locker area (locker area for soccer, cross country and track) to be future storage.	2.1	CA	REN	\$624,375.00
SP15	Renovate trainer's room.	2.1	CA	REN	\$624,375.00
SP16	Renovate gymnasium and boys' locker room.	2.1	CA	REN	\$2,164,076.92



FRIENDSWOOD HIGH SCHOOL PRIORITY MAINTENANCE ITEMS

Friendswood High School

Proposed Work Items

Print Date: 10/17/2019

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

DISCIPLINE	ITEM NO.	ITEM DESCRIPTION	PRIORITY CODE	SOURCE CODE	CLASS. CODE	TOTAL COST
CIVIL						\$10,125.00
	C1	Provide hose bibb by dugouts.	2.1	CA	AF	\$3,375.00
	C2	Reset inlet to grade.	2.1	CA	SD	\$6,750.00
BUILDING ENVELOPE						\$5,782,816.80
	B2	Replace existing built up , modified bitumen and single ply roof systems per District standards.	1	CA	RFR	\$5,782,816.80



FRIENDSWOOD HIGH SCHOOL

PRIORITY MAINTENANCE ITEMS

ARCHITECTURE					\$6,715,102.50
A3	Provide risers for band.	2.1	DP	FURN	\$54,000.00
A4	Provide Wenger musical storage for band. (Need storage for all marching band equipment.)	2.1	DP	FURN	\$267,300.00
A5	Provide additional soundproofing between choir and band rooms.	2.1	DP	REN	\$24,975.00
A6	Provide additional storage for standing risers. Assume 500 SF.	2.1	DP	REN	\$124,875.00
A7	Remove panel walls. Remove and replace walls and doors in 600s, 700s, 800s, & 900s.	2.1	CA	REN	\$199,800.00
A8	Renovate auditorium dressing rooms for theater.	2.1	DP	REN	\$249,750.00
A9	Renovate old computer lab and convert to computer science. (Existing space is too small and includes their own server/wifi in room.)	2.1	DP	REN	\$389,610.00
A10	Renovate fine arts suite per District standards (includes acoustical treatments, instrument & uniform storage, practice rooms, etc.). This will renovate the choir room and band hall only (not the auditorium).	2.1	CA	REN	\$4,070,925.00
A11	Provide shower and restroom adjacent to hospital room for clinical. Set up exactly like a hospital.	2.1	DP	ADD	\$50,625.00
A12	Provide new/additional acoustical treatments at auditorium per District standards (includes wall acoustics, window treatment, ceiling treatment, door sound seals, etc.).	2.1	CA	ACO	\$135,000.00
A13	Provide Wenger acoustical shell for auditorium stage.	2.1	DP	ACO	\$237,600.00
A14	Provide new classrooms for softball, health, and ISS. Currently in portable buildings and would like to bring them in. Assume 2400 SF addition.	2.1	CA	ADD	\$865,080.00
A15	Provide Wenger pull out for choir library room. (Currently library room full.)	2.1	DP	CWK	\$18,562.50
A16	Provide two additional pairs of doors for egress at cafeteria. Existing traffic flow issues: cafeteria exit, hallway to math science (main exit to cafeteria only has one pair of doors and would like to add two pairs of doors).	2.1	PQI	DR	\$27,000.00



FRIENDSWOOD HIGH SCHOOL

PRIORITY MAINTENANCE ITEMS

MECHANICAL						\$2,653,425.00
M1	Replace hot water pumps.	1	CA	HVAC		\$21,600.00
M2	Replace chilled water pumps.	1	CA	HVAC		\$43,200.00
M3	Replace air cooled chiller.	1	CA	HVAC		\$67,500.00
M4	Replace hot water boiler.	1	CA	HVAC		\$74,250.00
M5	Replace exhaust fans on the roof.	1	CA	HVAC		\$108,675.00
M6	Provide test and balance of HVAC systems.	1	CA	HVAC		\$171,450.00
M7	Replace roof top units.	2.1	CA	HVAC		\$911,250.00
M8	Replace aged air handling units.	2.1	CA	HVAC		\$1,012,500.00
M9	Replace condensing units.	2.1	CA	HVAC		\$101,250.00
M10	Replace science lab exhaust fans.	2.1	CA	HVAC		\$141,750.00
ELECTRICAL						\$454,950.00
E1	Replace secondary switchgear.	1	CA	ED		\$342,900.00
E2	Replace exterior lights with LED lighting.	2.1	CA	LTG-E		\$32,400.00
E3	Provide additional site lighting and wall packs. (Need better campus lighting. Currently they turn on athletic field lighting since existing lights are not enough.)	2.1	DP	LTG-E		\$12,150.00
E4	Provide additional lighting in main corridor.	2.1	DP	LTG-I		\$67,500.00



FRIENDSWOOD HIGH SCHOOL PRIORITY MAINTENANCE ITEMS

PLUMBING						\$1,600,425.00
P1	Replace hot water heater.	1	CA	PLWH		\$162,000.00
P2	Replace plumbing fixtures.	2.1	CA	PLF		\$600,075.00
P3	Replace gas piping.	2.1	CA	PLGP		\$514,350.00
P4	Renovate existing faculty restroom 340. (Currently can't use due to drainage - broken lines from original plumbing lines.) Demo and relocate restroom.	2.1	CA	PLF		\$54,000.00
P5	Replace waste piping.	2.1	CA	PLSS		\$270,000.00
TECHNOLOGY						\$918,000.00
T1	Provide resilient fiber connection in and out of campus.	2.1	CA	TECHSI		\$40,500.00
T3	Provide new A/V systems and controls per District standards (includes lighting, sound, video, theatrical light fixtures, speakers & inputs, DMX, sound amplifiers, projector and screen, control booth, communications, etc.).	2.1	CA	AV		\$202,500.00
T4	Provide additional computers for education and training.	2.1	DP	MEQ		\$67,500.00
T6	Provide interactive projectors for all special education classrooms.	2.1	DP	AV		\$81,000.00
T7	Upgrade classroom presentation/AV delivery capabilities to district-wide controlled, dedicated solution.	2.1	CA	TECHSI		\$526,500.00



FRIENDSWOOD HIGH SCHOOL

PRIORITY MAINTENANCE ITEMS

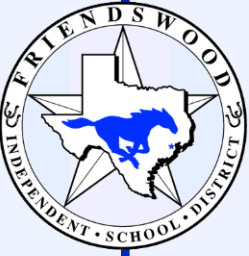
LIFE SAFETY & SECURITY					\$2,284,336.69
LSS1	Replace fire alarm to district-wide standard voice evacuation system.	2.1	CA	FA	\$603,586.69
LSS2	Repair PA system in athletic area.	2.1	CA	PA	\$20,250.00
LSS2	Provide new room graphics and way-finding signage per ADA requirements.	2.1	DP	SGN	\$13,500.00
LSS2	Add security film to the interior access controlled storefront door(s) and window(s) at the front entry secure vestibule and to the doors and adjacent windows at all other secondary building entrances.	2.1	CA	SEC	\$81,000.00
LSS5	Provide additional security for check in desk, add cameras.	2.1	PQI	SCM	\$13,500.00
LSS8	Provide new fencing and fence modifications to improve security at the stadium. Provide secure gates and additional fencing for football field. (Currently no way to control field from public crowd. Also, currently students are able to bend gates to gain access to field.)	2.1	DP	SF	\$67,500.00
LSS17	Replace exterior doors and hardware. Re-key entire facility per new District "grand master" keying system. Existing exterior doors are inconsistent and need replacement. Identify doors that need replacement.	2.1	CA	DR	\$165,375.00
LSS18	Replace older interior doors and hardware. Re-key entire facility per new District "grand master" keying system. Older areas. (Door line item 2 of 3)	2.1	CA	DR	\$1,319,625.00



FRIENDSWOOD HIGH SCHOOL

PRIORITY MAINTENANCE ITEMS

ATHLETICS/ACTIVITIES					\$5,576,836.42
SP1	Provide exhaust at locker room sport areas.	1	CA	MECH	\$27,000.00
SP2	Replace all interior doors and repaint all frames. Replace for boys' gym. Provide new doors for weight room.	2.1	CA	DR	\$93,150.00
SP3	Provide new lockers at all areas. Existing dressing and shower facilities for football and baseball are insufficient. Revise layout existing lockers (currently on top of one another).	2.1	CA	LOC	\$71,415.00
SP4	Provide large laundry space for sports and new machines.	2.1	CA	ADD	\$144,180.00
SP5	Provide new coaches offices. (Need office space for coaches – area is congested.) Provide new shower facilities and lockers for male coaches.	2.1	CA	ADD	\$432,540.00
SP6	Replace softball backstop netting with new 40' tall back-tensioned system extending to the end of each dugout.	2.1	CA	AEQ	\$82,309.50
SP7	Renovate hitting cage facility (netting and turf).	2.1	CA	AEQ	\$94,500.00
SP9	Recoat tennis courts and reseal joints.	2.1	CA	TC	\$86,400.00
SP10	Provide new bullpens with concrete pad and nylon synthetic turf.	2.1	DP	AF	\$121,500.00
SP11	Strip, till in 2" of sand rootzone, regrade and resod baseball and softball fields and add drainage.	2.1	DP	AF	\$990,225.00
SP12	Replace ceiling tiles at scoreboard room. (Roof is leaking.)	2.1	CA	CLG	\$1,890.00
SP13	Repaint boys' locker room.	2.1	CA	PTG	\$18,900.00
SP14	Renovate the visitors locker area (locker area for soccer, cross country and track) to be future storage.	2.1	CA	REN	\$624,375.00
SP15	Renovate trainer's room.	2.1	CA	REN	\$624,375.00
SP16	Renovate gymnasium and boys' locker room.	2.1	CA	REN	\$2,164,076.92



PROPOSED PROJECT: FRIENDSWOOD HS RENOVATIONS & ADDITIONS

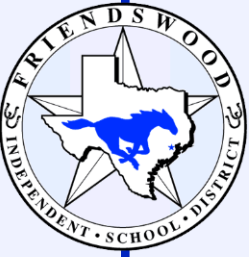


Friendswood

Independent School District

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

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



PROPOSED PROJECT: FRIENDSWOOD HS RENOVATIONS & ADDITIONS

The following items are included in the estimated Project Cost:

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



PROPOSED PROJECT:

FRIENDSWOOD HS RENOVATIONS & ADDITIONS

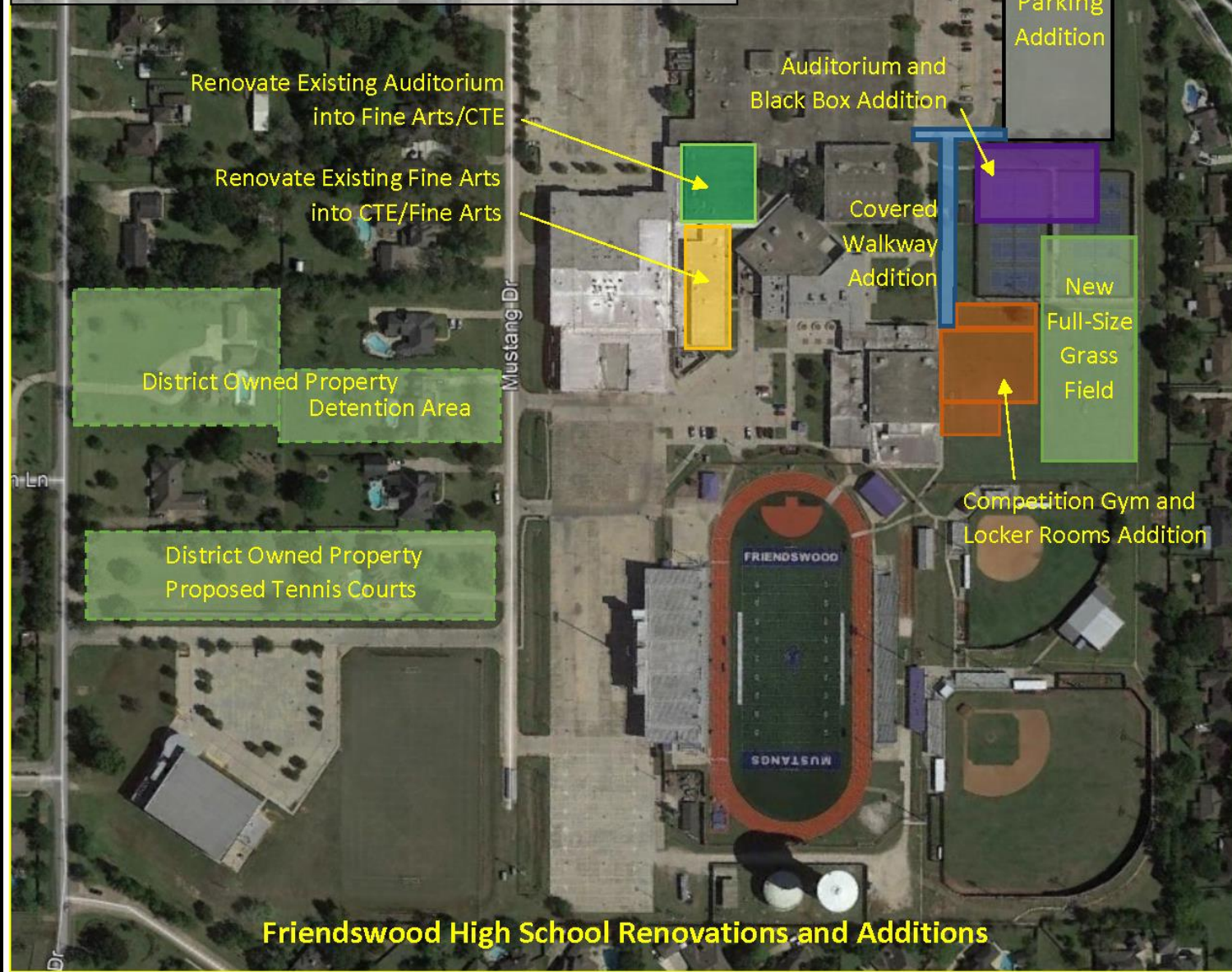
• New locker room addition to allow existing gym to remain with two full size cross-courts. No work at existing main gym.	\$1,860,000
• New Student and Event Parking Lot at existing Practice Field	\$468,000
• New covered walkways connecting the new Fine Arts addition to the existing school and to the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

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

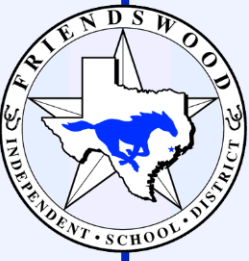
• Add for Wrestling Mat Room for two Mats (<i>includes soft cost</i>)	\$1,173,000
---	-------------

Concept Notes:

1. Concepts shown on this sheet are conceptual in nature and require further investigation.
2. Not all components are required, however some components are dependent on others.



Friendswood High School Renovations and Additions



EXISTING VS. PROPOSED SQUARE FOOTAGE PER PROGRAM

BAND/CHOIR/CTE

- Existing Square Footage: 34,800 SF
- Renovated Auditorium:
16,000 SF GAIN = OVER 40% INCREASE IN SPACE

ATHLETICS

- Existing Interior Square Footage: 48,600 SF
- New Competition Gymnasium:
33,200 SF GAIN = OVER 60% INCREASE IN SPACE



QUESTIONS?





SEE YOU NEXT TIME!

MEETING #5

Saturday, November 9, 2019

9:00am – 11:00am

Additional Site Tours – Meet at the Annex