

November 1, 2022

U.		conversations
02	2	Respect the person speakingvalue the input of others
GROUP 03	3	Listen with an open mind and a desire to learndo not assume you know
NORMS 04	4	Share ideas freely in a safe environmentdo not be afraid to voice your honest opinion
0.5	5	It's not personal, it's collectivefocus on the district as a whole
0	3	Honor the groups' time commitmentattend all meetings, be on time, stay on topic

Only one speaker at a time...no side

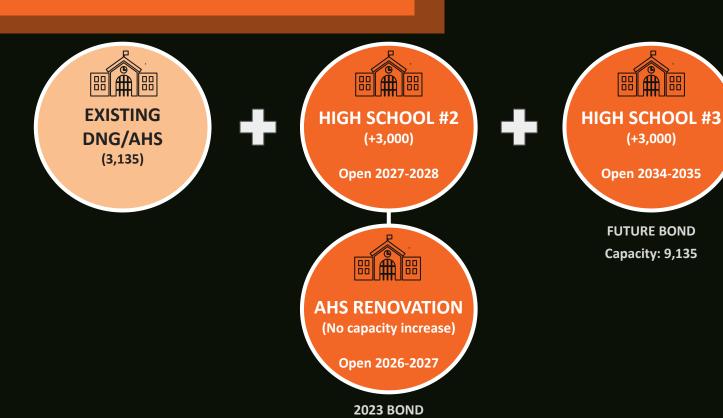


Assumptions for starting high school options

- This is only a starting point for the purposes of discussion
- Any other options created by the committee will be added & studied
- Assumes medium growth projections
- ±3000 student capacity (grades 9-12) can be adjusted
- Built only on capacity/programming for students; does not consider any other factors
- Only high school; does not consider elementary school or middle school needs
- "Possible bond" based only on projected timeline for design/construction and capacity
- How a new high school building is used (what grade levels) varies



OPTION A: AISD would build a comprehensive HS #2 (grades 9-12) and complete a renovation of AHS.



Capacity: 6,135



OPTION A

Assumptions

- DNG/AHS combined campus serves 9-12
- HS #2 doesn't have a 9th grade campus
- AHS/DNG and HS #2 will have identical offerings
- All spaces at AHS will be duplicated or expanded at HS #2 except for varsity competition stadium (not all DNG spaces will be duplicated, i.e., 2nd cafeteria)
- HS #2 includes competition gym: 3,000± capacity
- Renovations at AHS will not increase capacity
- Renovations at AHS: update finishes, LED lighting



OPTION B: AISD would construct an addition and renovation to AHS.



2023 BOND

Capacity: 4,135

FUTURE BOND

Capacity : **6,135**

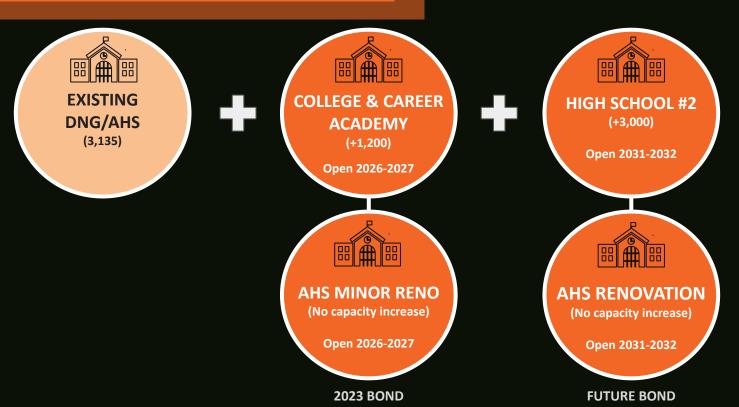


OPTION B Assumptions

- Aledo High School Addition & Renovation:
 - Expansion: Library, Kitchen/Cafeteria,
 Classrooms, Band, Administration, Athletics,
 Dance, CTE
 - Renovation for collaboration spaces, updated finishes (paint, ceilings, flooring, lighting)
 - Competition gym: 3,000± capacity
- Total 9-12 capacity/enrollment could reach 4135 on the AHS/DNG campus for a period of time, then could shrink to 3135



OPTION C: AISD would construct a college & career academy and complete a minor renovation to AHS to repurpose some spaces for student programs.



Capacity: 4,335

Capacity: 7,335

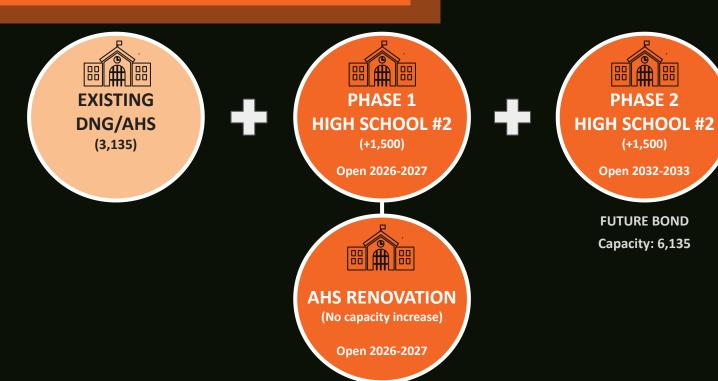
OPTION C

Assumptions

- Students move betw. AHS/DNG, College & Career Academy
- College & Career Academy:
 - Flex Labs, Collaboration Spaces, Cafe/Commons
 - Programs: all College Credit Courses (dual credit, OnRamps), all CTE (incl. Ag Mech), Performing Arts, Fine Arts, etc.
 - Could be master planned for possible future addition
- Aledo High School Minor Renovation:
 - Ag Building Renovation for Additional Fine Arts/Athletic Space (Dance, Wrestling), Additional Locker Rooms
 - Interior Renovation for Performing Arts: Ensemble, Dressing
 & Storage
 - Expand Ag Barn
 - Add Athletic Field House Space



OPTION D: AISD would construct phase 1 of a new comprehensive HS #2 and complete a renovation of AHS.



2023 BOND Capacity: 4,635

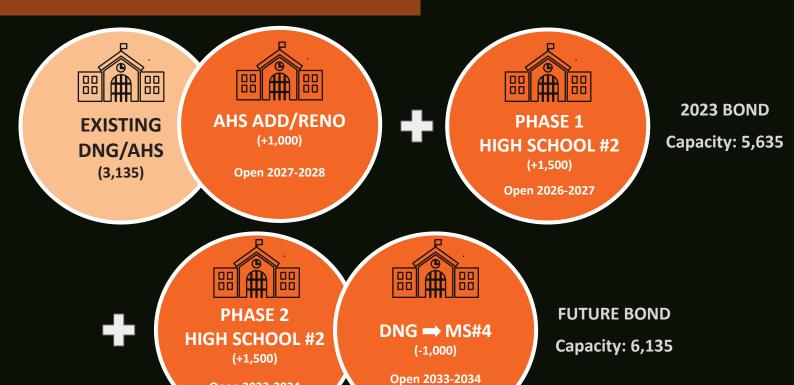


OPTION D Assumptions

- High School #2 Phase 1 (1,500 capacity):
 - 55% of total (PH1/PH2) square footage accounted for in Phase 1
 - Circulation (hallways) sized for 3,000 student capacity
 - Core spaces (Library, Kitchen, Cafeteria, etc.) sized for 1,500 capacity with planned expansion in Phase 2
 - Baseball, Softball, Practice Fields, Tennis Courts, Indoor Practice Facility, Field Events included
 - Master Planned for expansion
 - Varsity competition stadium not included
- Renovations at AHS will not increase capacity
- Renovations at AHS: update finishes, LED lighting



OPTION E: AISD would construct an addition and renovation to AHS and phase 1 of a new comprehensive HS #2



Open 2033-2034



OPTION EAssumptions

- AHS/DNG be 4000 9-12 for period of time
- Aledo High School Addition & Renovation:
 - Expansion: Library, Kitchen/Cafeteria, Classrooms, Band, Administration, Athletics, Dance, CTE
 - Renovation for collaboration spaces, updated finishes (paint, ceilings, flooring, lighting)
 - Competition gym: 3,000± capacity
- High School #2 Phase 1 (1,500):
 - 55% of total (PH1/PH2) square footage accounted for in Phase 1
 - Circulation sized for 3,000 student capacity
 - Core spaces (Library, Kitchen, Cafeteria, etc.) sized for 3,000 student capacity with planned expansion in Phase 2
 - Baseball, Softball, Practice Fields, Tennis Courts, Indoor Practice Facility, Field Events included
 - Master Planned for expansion



OPTION?

WHAT OPTIONS SHOULD BE ADDED AND STUDIED?

WHAT ELEMENTS SHOULD BE RECONSIDERED/REORGANIZED?





INTRODUCTIONS



Chris Campbell
Chief Facilities +
Construction Officer
Aledo ISD



Joshua Cogburn
Principal
Huckabee Architects



Casey Casstevens

Director of Design

Huckabee Architects



Mike King
Planner
Huckabee Architects



Agenda

- Current State of the Construction Industry
- High School Project Planning



- Trends: Addition & Renovations vs. New High Schools
- ES/MS: Ideal timing of bids
- Escalation out to 2024+
- Cyclical: 2008/09 Crash, Spike, Level off



CURRENT STATE

New High School Cost Comparison						
District	Approximate Square Footage	Bid Date	Approximate Cost/ SF	Approximate Total Construction Cost		
Prosper ISD New HS #3	530K ±	June 2021	\$378 ±	\$200.5M ±		
Wichita Falls ISD Legacy HS	391K ±	September 2021	\$358 ±	\$140.2M ±		
Wichita Falls ISD Memorial HS	391K ±	September 2021	\$363 ±	\$142.5M ±		
Katy ISD HS #10	625K±	January 2022	\$304 ±	\$189.9M ±		
Eagle Mountain Saginaw HS #4	650K±	January 2022	\$405 ±	\$264.5M ±		



CURRENT STATE

High School Addition/Renovation Cost Comparison					
District	Approximate Square Footage	Bid Date	Approximat e Cost/ SF	Approximate Total Construction Cost	
Friendswood ISD Friendswood HS Add. + Reno.	138,200	February 2022	\$434±	\$59.9M±	
Godley ISD HS Add. Phase 2 (CTE & Comp. Arena)	144,674	February 2022	\$461±	\$66.7M±	
Galena Park ISD HS Add. (CTE & Dining) + Reno.	97,221	July 2022	\$434±	\$42.2M±	
Austin Area HS Addition + Renovation	67,794	July 2022	\$388±	\$26.3M±	
Austin Area HS Addition + Renovation	123,028	October 2022	\$445±	\$54.7M±	
Godley ISD HS Add. Phase 3 (F.A., Kitchen, Cafe)	48,102	October 2022	\$602±	\$29M±	

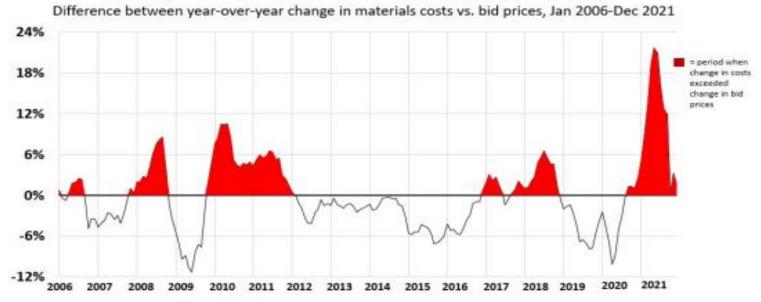


- Trends: Addition & Renovations vs. New High Schools
- ES/MS: Ideal timing of bids
- Escalation out to 2024
- Cyclical: 2008/09 Crash, Spike, Level off



Figure 3

Cost squeeze on contractors can last two years or more



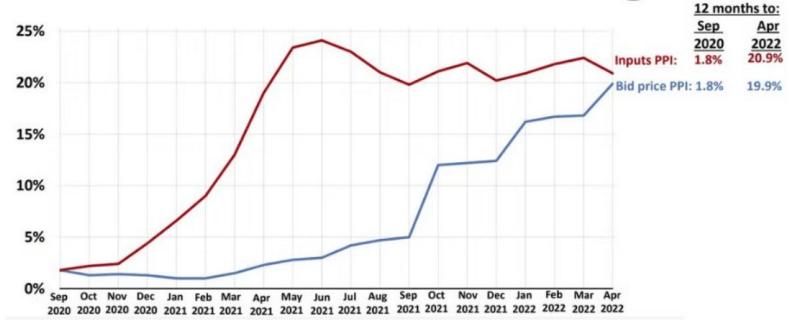
Source: Source: Bureau of Labor Statistics, www.bls.gov/ppi, producer price indexes for goods inputs to construction (material costs) and new warehouse construction (bid prices)



Costs vs. bid prices for new nonresidential construction

Year-over-year change in PPIs, Sep 2020-Apr 2022, not seasonally adjusted







CURRENT STATE

Inflation Schedule

Year	% Inflation Per Year
2023	12%
2024	12%
2025	8%
2026	6%
2027	6%
2028	6%
2029	6%
2030	6%
2031	6%

Opinion of Construction Cost

Elementary School

• \$325 - \$450 per sqft

Middle School

• \$350 - \$500 per sqft

High School

• \$425 - \$600 per sqft

Soft Cost

25%



CURRENT STATE

SD	Schematic Design
DD	Design Development
CD	Construction Documents
JR	Jurisdictional Review (Permits)
BD	Bidding
CA	Construction

Pre-2019 "Traditional" High School Project Schedule (Approximate)

 7 m.o.
 3 m.o.
 4 m.o.
 2 m.o.
 26 m.o.

 SD
 DD
 CD
 JR/BD
 CA

Total Process 42 Months

Post-2019 "Traditional" High School Project Schedule (Approximate)

6 M.O. SD 4 M.O. DD 4 M.O. CD 2 M.O. JR/BD 32 M.O. CA

Total Process 48 Months



HIGH SCHOOL OPTIONS



Option	Building Components	Year Open	Total HS Capacity	Capacity Exceeded	Possible Bond
	AISD would build a comprehensive HS #2 (grades 9-12) and complete a renovation of AHS.				
Α	DNG/AHS (3,135) + HS #2 (+3,000) + AHS Renovation (+0)	2026-2028	6,135	2034-2035	2023
	HS #3 (+3000)	2034-2035	9,135	?	2029
	AISD would construct an addition and renovation to AHS.				
В	DNG/AHS (3,135) + AHS Addition & Renovation (+1,000)	2027-2028	4,135	2030-2031*	2023
	HS #2 (+3,000) + DNG Converted to MS #4 (-1000)	2030-2031	6,135	2034-2035	2026
С	AISD would construct a College & Career Academy and complete a minor renovation to AHS to repurpose some spaces for student programs.				
	DNG/AHS (3,135) + College & Career Academy (+1,200) + AHS Minor Reno. (+0)	2026-2027	4,335	2031-2032*	2023
	HS #2 (+3,000) + AHS Renovation (+0)	2031-2032	7,335	?	2027
	AISD would construct Phase 1 of a new comprehensive HS #2 and complete a renovation of AHS.				
D	DNG/AHS (3,135) + Phase 1 of HS #2 (+1,500) + AHS Renovation (+0)	2026-2027	4,635	2032-2033	2023
	Phase 2 of HS #2 (+1,500)	2032-2033	6,135	?	2026
	AISD would construct an addition and renovation of AHS and Phase 1 of a new comprehensive HS #2.				
E	DNG/AHS (3,135) + AHS Addition & Reno. (+1,000) + Phase 1 of HS #2 (+1,500)	2026-2028	5,635	2033-2034	2023
	Phase 2 of HS #2 (+1,500) + DNG Converted to MS #4 (-1,000)	2033-2034	6,135	2034-2035	2028

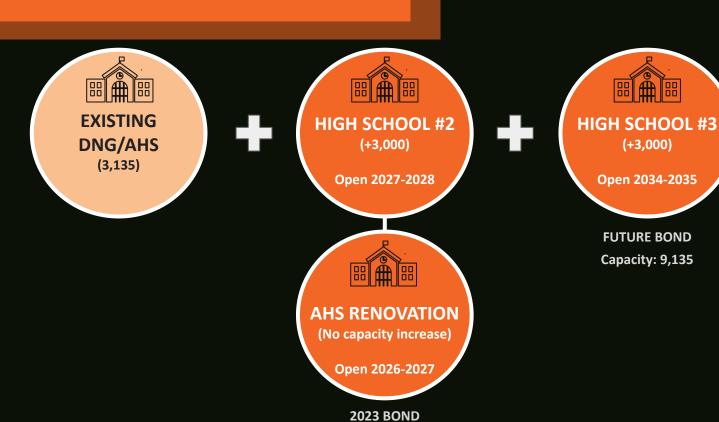
^{*} Capacity projected to be exceeded by only 20 students



OPTION A: AISD would build a comprehensive

HS #2 (grades 9-12) and complete a renovation of AHS.





Capacity: 6,135

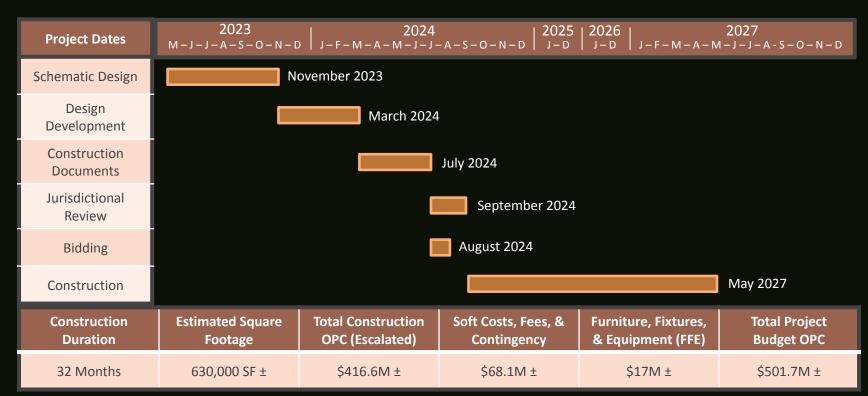


OPTION A Assumptions

- DNG/AHS combined campus serves 9-12
- HS #2 doesn't have a 9th grade campus
- AHS/DNG and HS #2 will have identical offerings
- All spaces at AHS will be duplicated or expanded at HS #2 except for varsity competition stadium (not all DNG spaces will be duplicated, i.e., 2nd cafeteria)
- HS #2 includes competition gym: 3,000± capacity
- Renovations at AHS will not increase capacity
- Renovations at AHS: update finishes, LED lighting

OPTION A

High School #2



^{*}Bids in 2024

OPTION A

AHS Renovation



^{*}Bids in 2024

OPTION B: AISD would construct an addition and renovation to AHS.



2023 BOND

Capacity: 4,135

FUTURE BOND

Capacity : 6,135

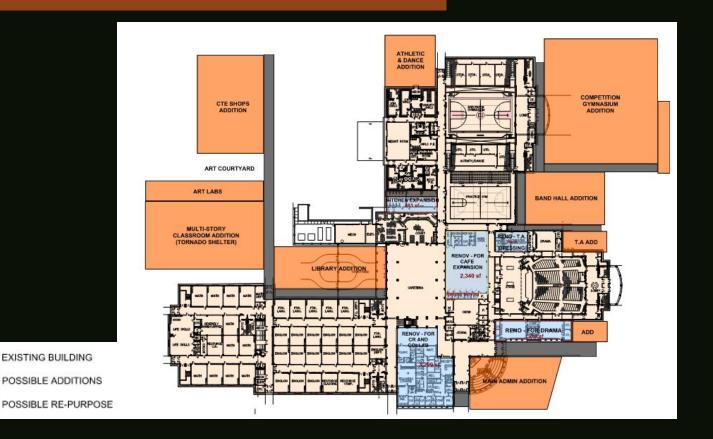


OPTION B Assumptions

- Aledo High School Addition & Renovation:
 - Expansion: Library, Kitchen/Cafeteria,
 Classrooms, Band, Administration, Athletics,
 Dance, CTE
 - Renovation for collaboration spaces, updated finishes (paint, ceilings, flooring, lighting)
 - Competition gym: 3,000± capacity
- Total 9-12 capacity/enrollment could reach 4135 on the AHS/DNG campus for a period of time, then could shrink to 3135

OPTION B

AHS Addition & Renovation: Concept

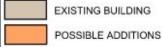




OPTION B

AHS Addition & Renovation: Concept

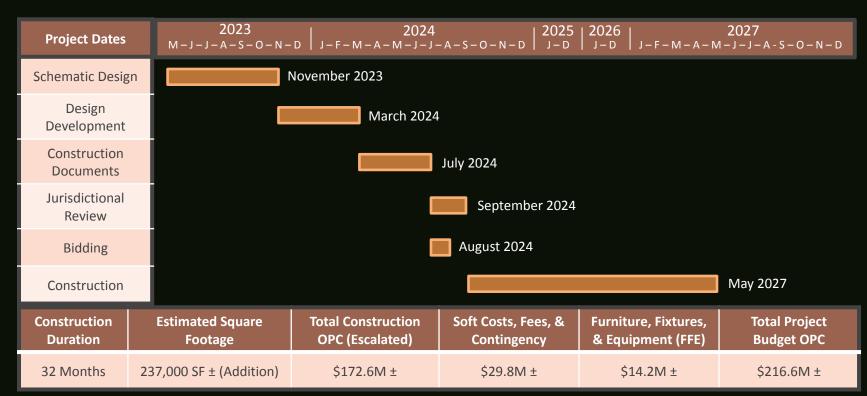






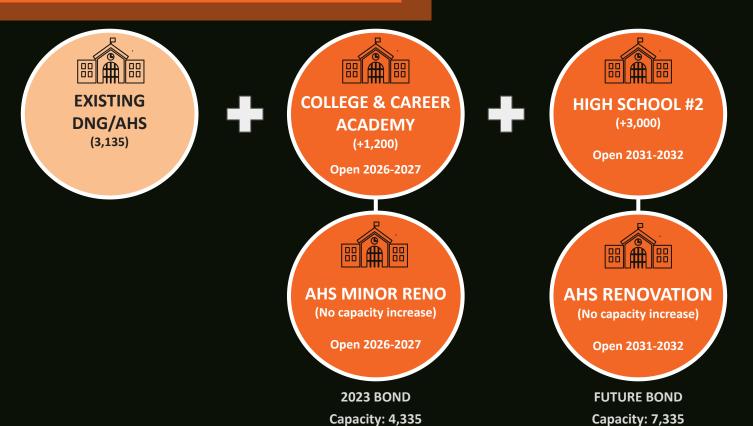
OPTION B

AHS Addition & Reno



^{*}Bids in 2024

OPTION C: AISD would construct a college & career academy and complete a minor renovation to AHS to repurpose some spaces for student programs.





OPTION C Assumptions

- Students move betw. AHS/DNG, College & Career Academy
- College & Career Academy:
 - Flex Labs, Collaboration Spaces, Cafe/Commons
 - Programs: all College Credit Courses (dual credit, OnRamps), all CTE (incl. Ag Mech), Performing Arts, Fine Arts, etc.
 - Could be master planned for possible future addition
- Aledo High School Minor Renovation:
 - Ag Building Renovation for Additional Fine Arts/Athletic Space (Dance, Wrestling), Additional Locker Rooms
 - Interior Renovation for Performing Arts: Ensemble, Dressing & Storage
 - Expand Ag Barn
 - Add Athletic Field House Space



College & Career Academy: Concept





College & Career Academy: Concept





College & Career Academy



^{*}Bids in 2024

AHS Minor Renovation: Concept



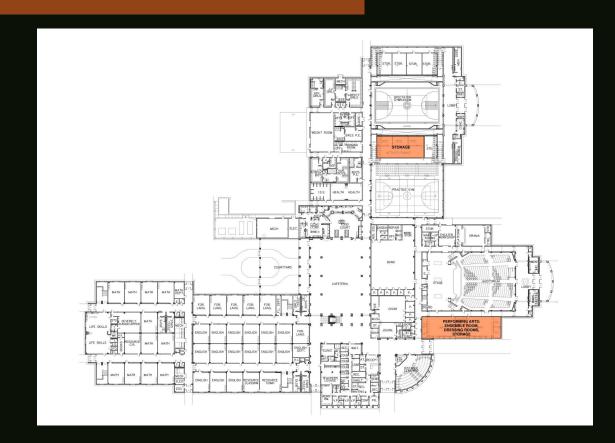


AHS Minor Renovation: Concept





AHS Minor Renovation: Concept



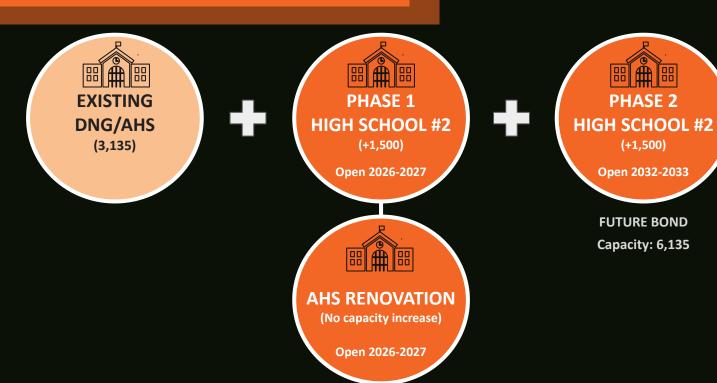


AHS Minor Renovation



^{*}Bids in 2024

OPTION D: AISD would construct phase 1 of a new comprehensive HS #2 and complete a renovation of AHS.



2023 BOND Capacity: 4,635



OPTION D Assumptions

- High School #2 Phase 1 (1,500 capacity):
 - 55% of total (PH1/PH2) square footage accounted for in Phase 1
 - Circulation (hallways) sized for 3,000 student capacity
 - Core spaces (Library, Kitchen, Cafeteria, etc.) sized for 1,500 capacity with planned expansion in Phase 2
 - Baseball, Softball, Practice Fields, Tennis Courts, Indoor Practice Facility, Field Events included
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 - Varsity competition stadium not included
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- Renovations at AHS: update finishes, LED lighting



OPTION D

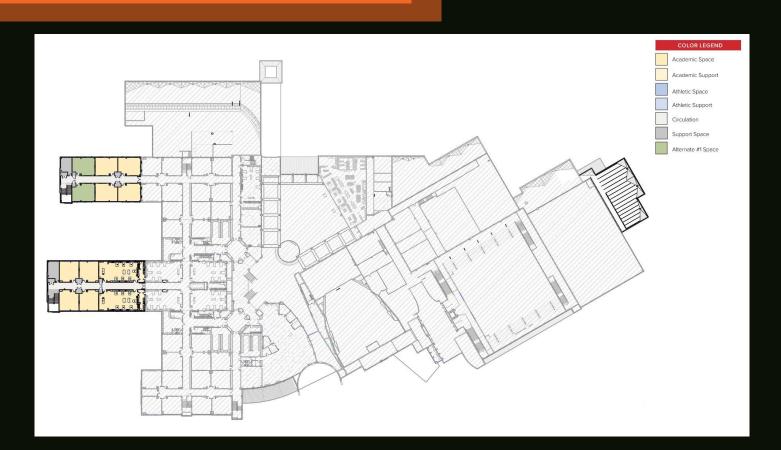
Phase 1 High School #2: Concept





OPTION D

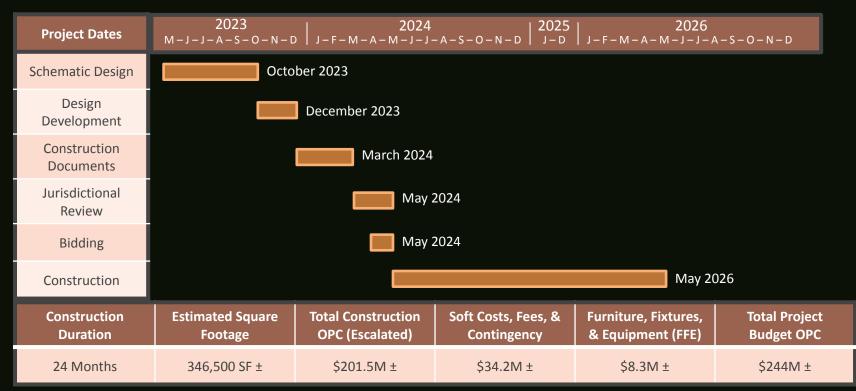
Phase 1 High School #2: Concept





OPTION D

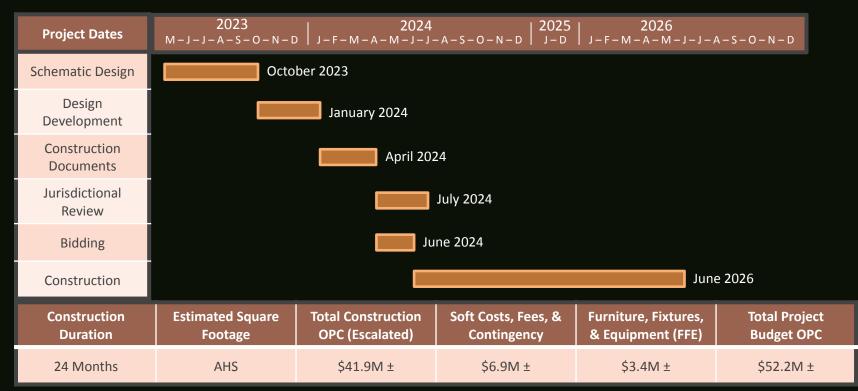
Phase 1 High School #2



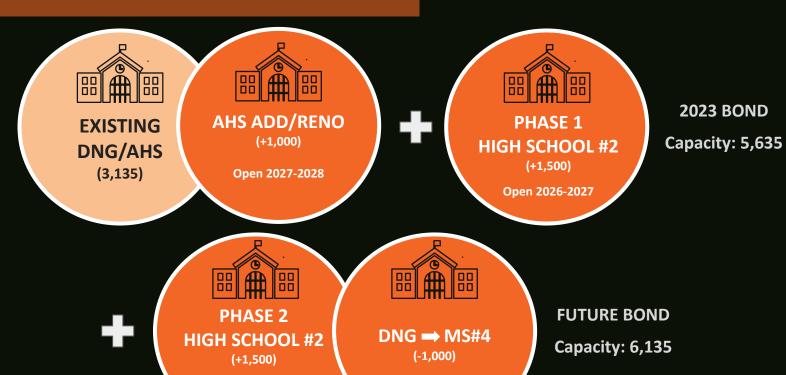
^{*}Bids in 2024

<u>OPTION D</u>

AHS Renovation



^{*}Bids in 2024



Open 2033-2034

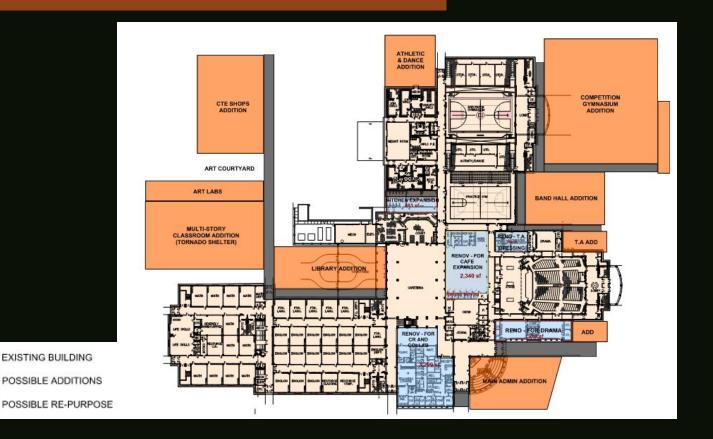
Open 2033-2034



OPTION E Assumptions

- AHS/DNG be 4000 9-12 for period of time
- Aledo High School Addition & Renovation:
 - Expansion: Library, Kitchen/Cafeteria, Classrooms, Band, Administration,
 Athletics, Dance, CTE
 - Renovation for collaboration spaces, updated finishes (paint, ceilings, flooring, lighting)
 - Competition gym: 3,000± capacity
- High School #2 Phase 1 (1,500):
 - 55% of total (PH1/PH2) square footage accounted for in Phase 1
 - Circulation sized for 3,000 student capacity
 - Core spaces (Library, Kitchen, Cafeteria, etc.) sized for 3,000 student capacity with planned expansion in Phase 2
 - Baseball, Softball, Practice Fields, Tennis Courts, Indoor Practice Facility, Field Events included
 - Master Planned for expansion

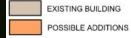
AHS Addition & Renovation: Concept





AHS Addition & Renovation: Concept

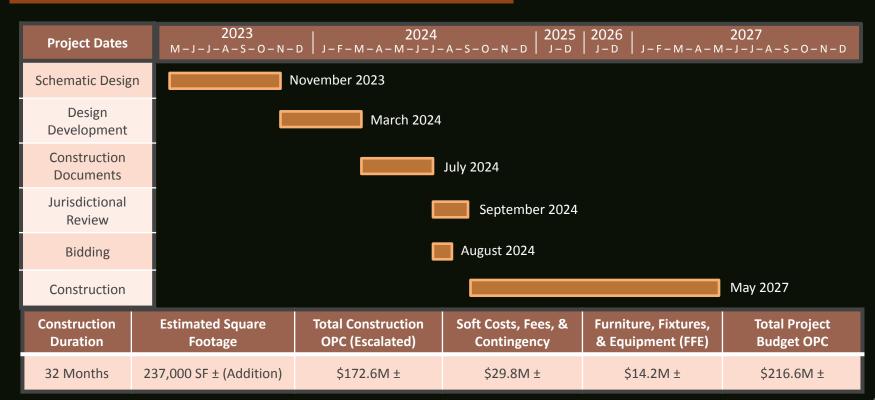






<u>OPTION E</u>

AHS Addition & Reno



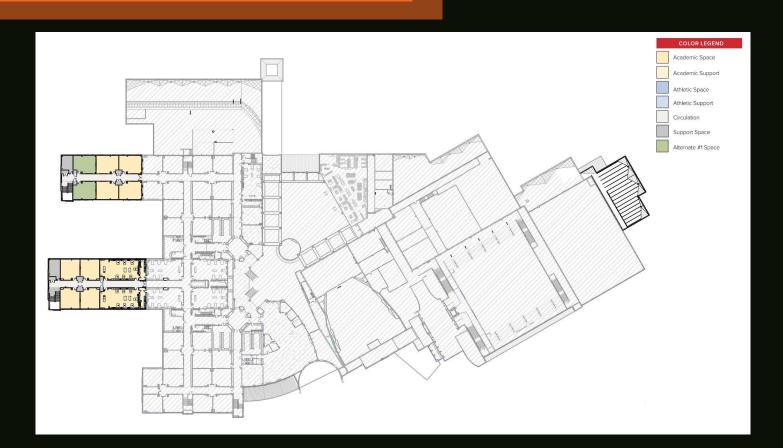
^{*}Bids in 2024

Phase 1 High School #2: Concept





Phase 1 High School #2: Concept





Phase 1 High School #2



^{*}Bids in 2024

High School Options: Summary



High School Options: Summary			
Option	Building Components	Year of Bond Election	Total Project Budget OPC
Α	High School #2 + Aledo High School Renovation	2023	\$553.9M ±
В	Aledo High School Addition & Renovation	2023	\$216.6M±
С	New College & Career Academy + Aledo High School Minor Renovation	2023	\$134.3M±
D	Phase 1 of High School #2 + Aledo High School Renovation	2023	\$296.2M ±
E	Aledo High School Addition & Renovation + Phase 1 of High School #2	2023	\$460.6M±

Process will take 2 meetings

Reminder:

Any other options created by the committee will be added and studied (add, combine, create, delete)



- 1. Individual reflection
- 2. Group discussion
- 3. Group report
- 4. Individual rethink



Considering each option through each of 4 lenses, then as a whole

- 1. Academic opportunities
- 2. Co-curricular opportunities
- 3. Capacity/growth
- 4. Finance



Roles:

- Facilitator
- Reporters (2)
- Time keeper



We will ask you to repeat the RDRR process for each of the 4 lenses:

- 1. Academic opportunities
- 2. Co-curricular opportunities
- 3. Capacity/growth
- 4. Finance

Then we will ask you to review the options broadly



Tonight's lenses:

- capacity/growth
- finance



capacity/growth lens



RDRR Process (STEP 1)



1. Individual reflection

- 10 minutes
- Consider each option through one lens at a time.
- Consider these through the capacity/growth lens:
 - creating the most capacity for the longest period of time
 - providing the most flexibility to handle growth
- Record the score and provide written feedback
- You will be able to revise if you'd like after the group discussion
- Want to see another option? Write it on the "other option" worksheet.



RDRR Process (STEP 2)



2. Group discussion

- o 20 minutes
- Facilitator will record
- Answer these questions related to capacity/growth as a group:
 - Which option creates the most capacity for the longest period of time? Why?
 - Which model provides the most flexibility to handle growth? Why?
- Share any questions for recording by facilitator
- Share any other options or adjustments to the options that you would like more info about



RDRR Process (STEP 3)



3. Group report

- 10 minutes
- Choose 2 reporters (1 for each question)
- Each group will report to the large group the answers to these questions related to capacity/growth:
 - Which option creates the most capacity for the longest period of time? Why?
 - Which model provides the most flexibility to handle growth? Why?



RDRR Process (STEP 4)



4. Individual rethink

- 5 minutes
- Individually, look back at the ratings and comments that you marked on your worksheet and indicate if you made any adjustments after discussions/reports in the box marked
- We will synthesize the individual reports and provide that synthesized information to the group



finance lens



RDRR Process (STEP 1)



1. Individual reflection

- 10 minutes
- Consider each option through one lens at a time
- Consider these through the finance lens:
 - providing the most value as related to cost
 - What is realistic given project cost and potentially available funding?
- Record the score and provide written feedback
- You will be able to revise if you'd like after the group discussion
- Want to see another option? Write it on the "other option" worksheet.



RDRR Process (STEP 2)



2. Group discussion

- o 20 minutes
- Facilitator will record
- Answer these questions related to finance as a group:
 - Which option provides the most value as related to the cost? Why?
 - Which option is most realistic given project cost and potentially available funding? Why?
- Share any questions for recording by facilitator
- Share any other options or adjustments to the options that you would like more info about



RDRR Process (STEP 3)



3. Group report

- 10 minutes
- Choose 2 reporters (1 for each question)
- Each group will report to the large group the answers to these questions related to *finance*:
 - Which option provides the most value as related to the cost? Why?
 - Which option is most realistic given project cost and potentially available funding? Why?



RDRR Process (STEP 4)



4. Individual rethink

- 5 minutes
- Individually, look back at the ratings and comments that you marked on your worksheet and indicate if you made any adjustments after discussions/reports in the box marked
- We will synthesize the individual reports and provide that synthesized information to the group



NEXT MEETING: November 7th

