

Partners in Progress



Rebuilding Cedarbrook Middle School

Project Update

Facility Committee Meeting

September 1, 2015

The Month in Review

Land Development – August/September

- Preliminary/Final Land Development Submission: August 2015

Boundary and Topographic Information Traffic Study Report Environmental Impact Study

- Shade Tree Commission Meeting: August 27
- Planning Commission Meeting: September 24

Data Collection Pending

- Geotechnical Report for Additional Test Borings: Results Pending
- Geothermal Conductivity Test Complete: Results Pending

Cost Estimate

- Reconciled the Schematic Design Cost Estimate
- Revised scope to meet the targeted \$50,000,000

 Total Project Cost budget



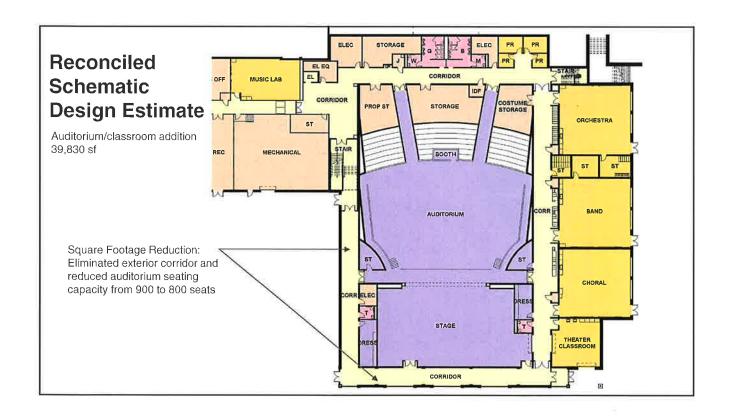
Geothermal Life Cycle Cost Analysis identifies approximately \$500,000 savings over 20 years

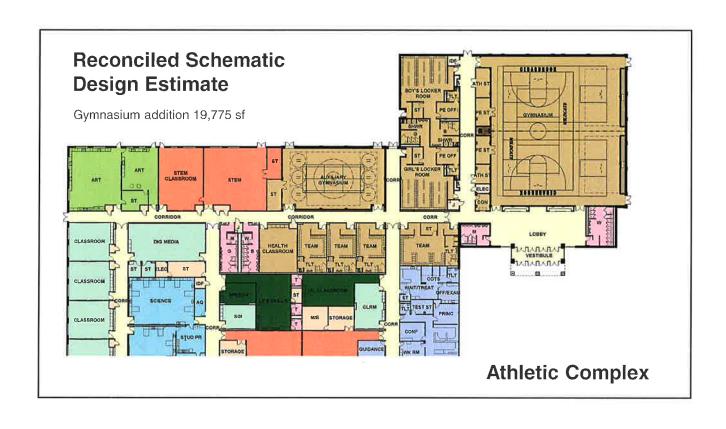
Reconciled Schematic Design (SD) Estimate

- Includes the new 800-seat Auditorium and music classroom addition
- Includes the gymnasium addition and courtyard infill
- Includes geothermal
- Itemized list of soft costs
- Total square footage: 202,875 sf (67,110 sf new floor area)
- Total project cost (construction + soft costs) =

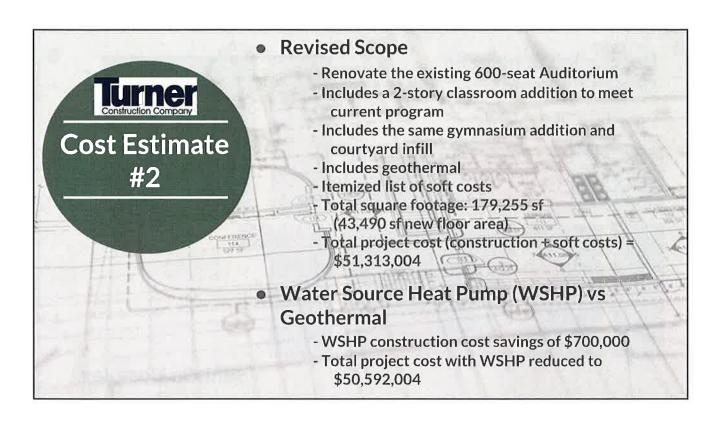
Water Source Heat Pump (WSHP) vs Geothermal

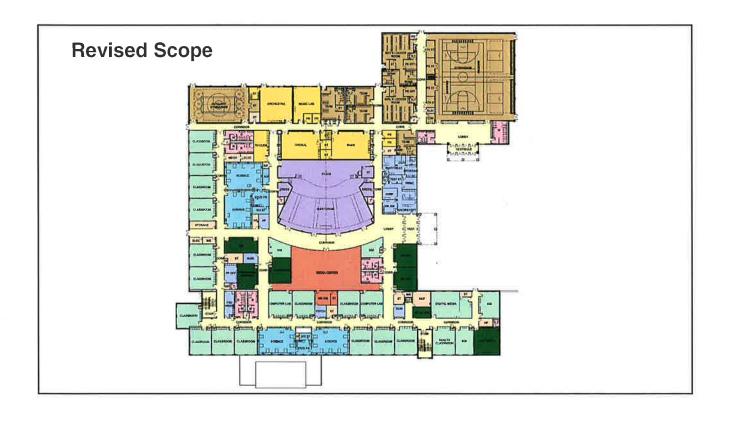
- WSHP: less expensive first cost heating/cooling system; savings of \$700,000 in construction costs
- WSHP used on the 3 elementary schools
- Total project cost with WSHP reduced to \$57,239,152

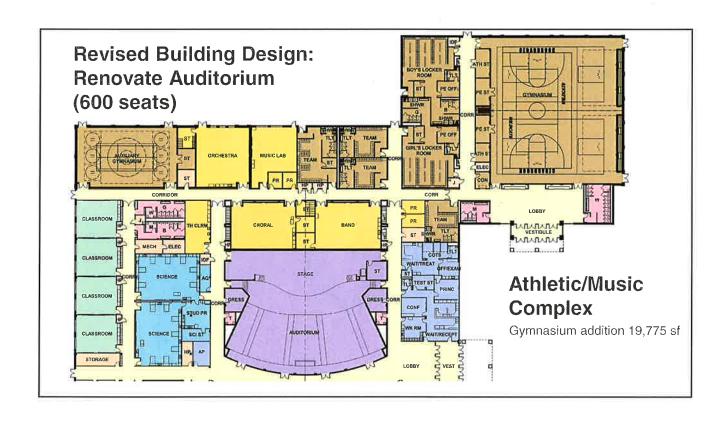


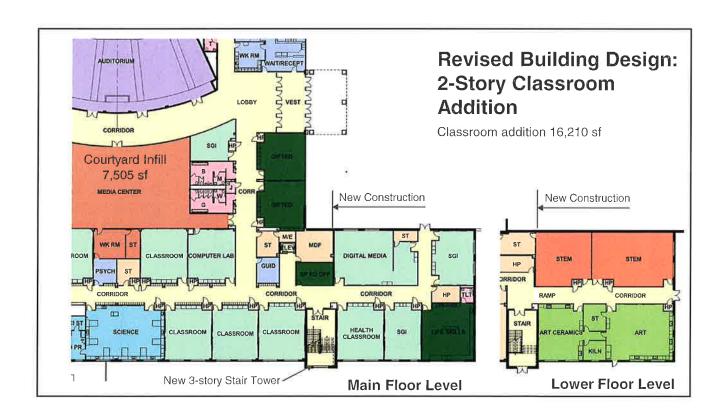


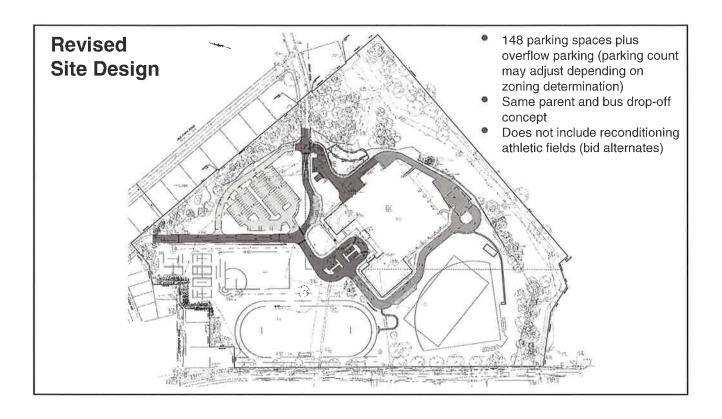




















Cedarbrook Middle School						ι	Jpdated: Septer	nber 1, 201
Project Cost Estimate Comparison Summary								
	CONCEPT PHASE				DESIGN PHASE			
ESTIMATES OF PROBABLE COSTS	Option 1 - Rebuild Cedarbrook HIGH		Conceptual Design Estimate HIGH		Turner Construction Co. Reconciled Schematic Design Estimate (New 800 seat Auditorium)		Turner Construction Co. Design Development Estimate - Revised Plan (Renov. Ext'g Auditorium)	
CONSTRUCTION COSTS								
Demolition:								
Existing Building Demolition	\$0		\$0		\$1,227,042		\$1,227,042	
Demolition of Gymnasium	50		\$117,020		\$292,313		\$292,313	
Sub-total of Demolition:	\$0		\$117,020		\$1,519,355		\$1,519,355	
Building Construction:								
Renovations	\$27,742,225	\$175/sf	\$22,532,310	\$170/sf	\$25,486,696	\$192.63/sf	\$26,035,092	\$200.64/s
Auxilliary Gym			\$589,965	\$185/sf	\$894,086	\$259,16/sf		
Auxilliary Gym & Orchestra							\$1,421,761	\$236,76/s
New Construction:	\$5,000,000	\$250/sf						
Gymnasium and Locker Room Addition			\$4,043,215	\$205/sf	\$5,877,463	\$297.22/sf	\$5,877,463	\$297.22/s
Auditorium and Music Room Addition			\$6,918,180	Avg.\$210/sf	\$11,419,924	\$286.72/sf		
(8) Classroom Addition							\$3,895,640	\$240.32/s
Enclose Courtyard			\$1,085,700	\$150/sf	\$1,883,955	\$251.03/sf	\$1,878,626	\$250.32/s
Sub-total of Building Construction:	\$32,742,225		\$35,169,370		\$45,562,124		\$39,108,582	
Site Construction:	\$0		\$3,600,000		4.857,529		\$4,857,529	
Design Contingency/Escalation:	\$2,762,200		\$1,555,456					
Total Construction Costs:	\$35,504,425		\$40,441,846		\$51,939,008		\$45,485,466	

	CONCE	PT PHASE	DESIGN PHASE			
ESTIMATES OF PROBABLE COSTS	Option 1 - Rebuild Cedarbrook	Conceptual Design Estimate	Turner Construction Co. Reconciled Schematic Design Estimate (New 800 seat Auditorium)		Turner Construction Co. Design Development Estimate - Revised Plan (Renov. Ext'g Auditorium)	
SOFT COSTS						
Construction Contingency			\$1,558,170		\$1,364,564	
Design Services			1,555,000		1,555,000	
Consultants:						
Construction Manager			591,860		591,860	
Asbestos Consultant			55,000		55,000	
Traffic Consultant			6,900		6,900	
Commissioning			69,700		69,700	
Surveys:						
Geotechnical Testing			18,000		18,000	
Conductivity test (geothermal test well)			9,900		9,900	
Boundary and topo			17,300		17,300	
Fees:						
Testing/Inspection			90,000	(allowance)	90,000 (allowance	
3rd Party Inspector			80,000	(allowance)	80,000 (allowance	
Engineer Review for Land Development			14,000		14.000	
Asbestos Remediation:				in in		
Abatement/Monitoring			620,000		620,000	
Underground storage tank			150,000	(allowance)	150,000 (allowance	
Advertising Costs			1,000	(allowance)	1,000 (allowance	
Act 34 Hearing Legal Fees and Stenographer			2,500	(allowance)	2,500 (allowance	
Builder's Risk Insurance			37,000	(allowance)	37,000 (allowance	
LEED Certification Fees			9,814	Sec. 270-1	9,814	
Building Code Review			75,000	(allowance)	75,000 (allowance	
FF&E			750,000	(allowance)	750,000 (allowance	
Moving Expenses			10,000	(allowance)	10,000 (allowance	
Fechnology			300,000	(allowance)	300,000 (allowance	
Total Soft Costs:	\$13,398,422	\$8,088,369	\$6,021,144		\$5,827,538	

	CONCE	PT PHASE	DESIGN PHASE		
ESTIMATES OF PROBABLE COSTS	Option 1 - Rebuild Cedarbrook	Conceptual Design Estimate	Turner Construction Co. Reconciled Schematic Design Estimate (New 800 seat Auditorium)	Turner Construction Co. Design Development Estimate - Revised Plan (Renov. Ext'g Auditorium)	
TOTAL PROJECT COSTS	\$48,902,847	\$48,530,215			
TOTAL PROJECT COSTS WITH GEOTHERMAL	\$57,960,152	\$51,313,004			
(Construction Costs + Soft Costs; not inclu	iding Financing Costs)				
Design Directive (September 2015):			\$51,939,008	\$45,485,466	
Water Source Heat Pump versus Geothern	-\$700,000	-\$700,000			
Total Construction	\$51,239,008	\$44,785,466			
Total Soft	\$6,000,144	\$5,806,538			
TOTAL PROJECT COSTS WITHOUT GEOTHER	MAL		\$57,239,152	\$50,592,004	
Add Alternates (to be determined upon rec	eipt of bids): Sub-Tota	of Proposed Add Alternates:	\$2,483,140	\$2,483,140	
Terrazzo in all corridors & cafeteria			\$1,180,000	\$1,180,000	
Add Athletic Storage Building			\$210,600	\$210,600	
Include Refurbishing of Existing Athletic Fie	lds (Refer to Turner Construc. Co.	Summary Sheet Breakout)	\$996,540	\$996,540	
Include Solar Heating of Domestic Water	\$96,000	\$96,000			

