

Status of Projects

December 2022

Architecture, Engineering & Construction



Objective

Update the GSD Board and Superintendency on the progress of major construction projects overseen by the Architecture, Engineering & Construction Department on behalf of Granite School District.



Security Upgrades



Security Upgrades Timeline

SECURITY UPGRADES/REMODELS

Completed						In Progress			Future	
Prec.	School	Year	Prec.	School	Year	Prec.	School	Year	Prec.	School
1	Crestview El	2015	6	Oquirrh Hills El	2018	1	Skyline High	2026	1	Churchill Jr
1	Upland Terrace	2015	6	Arcadia El	2018	7	Cyprus High	2025	1	Olympus Jr
2	Moss El	2015	6	Valley Jr	2018	5	West Lake Jr	2024	1	Wasatch Jr.
3	Granger El	2015	7	Bacchus El	2018	1	* Wm Penn El	2022	1	Olympus High
3	Wilson El	2015	7	Copper Hills El	2018	Posted for Bid			2	Cottonwood High
4	Bridger El	2015	1	Driggs El	2019	1	* Oakwood El	2022	2	Granite Peaks
4	Plymouth El	2015	1	Rosecrest El	2019	2	* Woodstock El	2022	2	Bonneville Jr
5	Jackling El	2015	2	Spring Lane El	2019	In Design			3	Eisenhower Jr
5	Redwood El	2015	4	Bennion El	2019	5	* Valley Crest El	2022	4	Westbrook El
6	Academy Park El	2015	7	Diamond Ridge El	2019	6	* Western Hills El	2022	4	Bennion Jr
6	Gourley El	2015	7	Orchard El	2019	6	* West Kearns El	2022	4	Kearns High
7	Magna El	2015	4	Beehive El	2020	7	* Silver Hills El	2022	4	Taylorville High
7	Pleasant Green El	2016	5	Armstrong Ac	2020	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">Elementary</div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">Jr. High</div> <div style="border: 1px solid black; padding: 2px;">High School</div> </div>			5	Granger High
1	Cottonwood El	2016	5	Pioneer El	2020				6	Kearns Jr
2	Roosevelt El	2016	7	Elk Run El	2020				6	Kennedy Jr
2	Twin Peaks El	2016	7	Lake Ridge El	2020				6	Sandburg El
3	Taylorville El	2016	3	Granite Park Jr.	2020				7	Brockbank Jr
5	Monroe El	2016	4	South Kearns El	2020				7	Hunter Jr
7	Hillside El	2018	0	Olene Walker El	2020				7	Jefferson Jr
1	Morningside El	2018	5	Stansbury El	2021				7	Matheson Jr
1	Evergreen Jr	2018	6	Truman El	2021				7	Hunter High
2	Lincoln El	2018	1	Eastwood El	2021				7	Jones Center
2	Mill Creek El	2018	5	Wright El	2021	<div style="border: 1px solid black; padding: 5px;"> <p>* In the interim, until the security remodel is complete, we are installing video intercom doorbells at the front entrance to control access.</p> </div>				
3	Fremont El	2018	6	Frost El	2021					
4	Fox Hills El	2018	7	Whittier El	2021					
4	Smith El	2018	5	West Valley El	2021					
4	Vista El	2018	2	Hartvigsen	2022					
5	Farnsworth El	2018	1	Oakridge El	2022					
5	Hillsdale El	2018	5	Rolling Meadows El	2022					
6	Hunter El	2018								

Summer 2023 Construction



Elementary School

Security Remodels

Oakwood Elementary security remodel out for bid 12/01/22. Construction to begin April 2023.

Woodstock Elementary security remodel out for bid 12/01/22. Construction to begin April 2023.



William Penn Elementary School

Security Remodels

Working through punch list.



Construction Remodels



Fremont Elementary School

Pillar Repair

Project is 70% complete.

Patchwork and pours are progressing in the south end.

Demolition is progressing in north end.

We have found more concrete damage in the walls which we are addressing.

A change order to repair this damage is in this evening's board packet.



Pillar Repairs



Concrete patch and repairs



Magna Elementary School

HVAC Control Replacement

Project is 60% complete.

Contractor is focusing on the heating valves first to get control of the overheating in classrooms.

Controls on the boiler, chiller, and unit ventilators have been fully updated.

Work on the air handlers to begin the first of December.



HVAC Control Replacement



Digital controller and actuators



Temperature sensor



Hunter Elementary School

Boiler Replacement

Project is 80% complete.

Boilers are installed and one is currently working to keep heat in the building.

Variable frequency drives, buffer tank, and other components have been installed.

Dominion Energy to increase the gas meter to meet the needs of the new boilers.



Boiler Replacement



Buffer tank



Drives, pumps, meters, and valves



Hunter High School

HVAC Control Upgrades

Project is 70% complete.

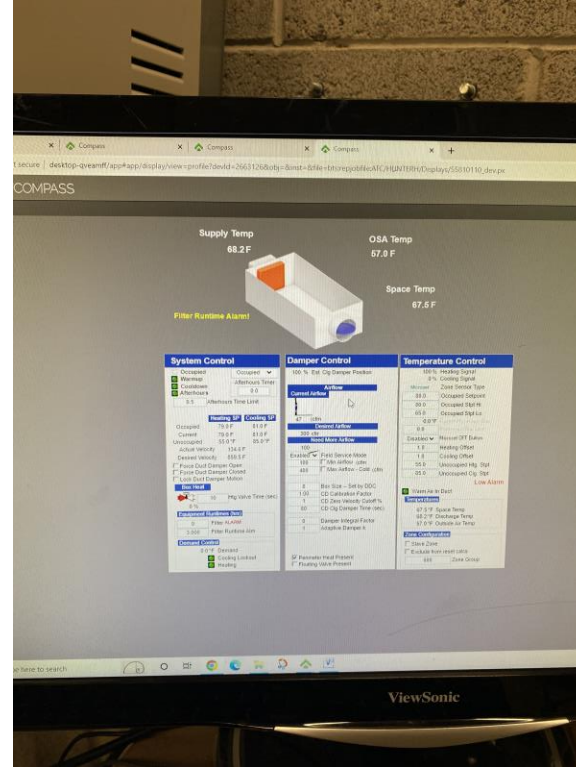
Balancing technician commissioned hydronic flow through the new heating valves to adjust the air into the classrooms.



HVAC Control Upgrades



Digital valve and actuator



Online monitoring software



New Construction



Skyline High School

Athletics Complex



Administration and commons floor slabs have been placed.

Administration tilt panels being stood beside courtyard.

North property line trees on stairway are being installed. Once handrails can be installed, walkway can be opened.

Tennis courts concrete is installed, and tensioning cables have been tightened.

Softball field "red" dirt has been installed. Press box has been insulated and is ready for drywall.

Old Gymnasium asbestos abatement is finished. Demolition and separation from auditorium of building is underway.

Skyline Campus



Administration area slab





Softball press box insulation



Red dirt on softball field





North property line





Tennis court post-tension slab



Tilt panels formed and placed



Skyline High School Cost Summary

Construction Management Fees		PO #070055
Construction Payments to Date	\$ 6,833,493.32	
Change Orders Requiring Board Authorization Owner Request	\$5,827,842.00	
Change Order Sub Total	\$5,827,842.00	
Phase 1 - Baseball Field		PO #070441
Construction Payments to Date	\$ 3,215,045.66	PHASE COMPLETE
Phase 2 - Athletics		PO #170038
Construction Payments to Date	\$ 41,024,287.42	
Change Orders Requiring Board Authorization Owner Request	\$2,513,634.43	
Advancing Work Into Earlier Phase	\$654,253.71	
Unknown Conditions	\$107,237.02	
Errors & Omission	\$305,449.44	
Staff Level Change Orders	-\$2,585,518.09	
Change Order Sub Total	\$995,056.51	
Phase Advancement Sub Total	\$654,253.71	
Phase 3 - Site Package		PO #270113
Construction Payments to Date	\$9,763,341.16	
Change Orders Requiring Board Authorization Owner Request	\$0.00	
Advancing Work Into Earlier Phase	\$193,225.74	
Unknown Conditions	\$71,537.66	
Errors & Omission	\$48,139.45	
Staff Level Change Orders	-\$1,590,104.04	



Change Order Sub Total	-\$1,277,201.19
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Phase Advancement Sub Total	\$193,225.74
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Phase 4 - Academic Building	PO #270306
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Construction Payments to Date	\$15,629,280.52
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Change Orders Requiring Board Authorization Owner Request	
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Advancing Work Into Earlier Phase	
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Unknown Conditions	\$1,010.00
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Errors & Omission	\$59,089.87
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Staff Level Change Orders	-\$2,110,196.76
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Change Order Sub Total	-\$2,050,096.89
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Phase Advancement Sub Total	
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Summary	
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Payments to Date - Grand Total	\$76,465,448.08
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Change Order - Grand Total	\$3,498,452.09
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Phase Advancement - Grand Total	\$1,056,371.44
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Bid Price approved by board 11/2021	\$173,736,642.48
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Revised Cost	\$174,262,478.61
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Cyprus High School

Building Construction

Auditorium walls being stood.

Gymnasium steel being installed, decking for track being welded. Framing and HVAC being installed in north end locker rooms.

Pool surge tank room concrete being placed.

Kitchen and Academics underground electrical and plumbing being installed.

Storm chambers installed; earth is now being back filled around the chambers.



Cyprus Building Construction



Site view





Auditorium tilt walls





Softball Storage and Score/Announcers Booth

Dugouts

Concessions

Baseball Storage and Score/Announcers Booth



Outbuilding foundations



Gymnasium/ pool building





Storm chambers back-filled



Cyprus High School Cost Summary

Phase 1 Mass Grading	PO #170253
Construction Payments	\$4,170,965.69
Change Orders Requiring Board Authorization Owner Request	\$167,624.60
Staff Level Change Orders	\$116,091.09
Change Order Sub Total	\$283,715.69
Phase 2 Construction	PO #270185
Construction Payments to Date	\$50,106,992.49
Change Orders Requiring Board Authorization Owner Request	\$117,489.00
Advancing Work Into Earlier Phase	\$0.00
Unknown Conditions	\$259,712.42
Errors & Omission	\$287,643.70
Staff Level Change Orders	\$83,579.86
Change Order Sub Total	\$748,424.98
Phase Advancement Sub Total	
Summary	
Payments to Date - Grand Total	\$54,277,958.18
Change Order - Grand Total	\$1,032,140.67



West Lake STEM Junior High School

Building Construction

Second floor interior framing of the southwest classroom wing in progress.

Masonry walls for gymnasium are topped out. Locker room is 20' above finished floor.

85% of the concrete slab is complete.

Placement of structural steel for southeast wing is 75% complete.



West Lake Building Construction



Academic southwest wing ducts, piping, and framing





Academic wing 2nd floor framing





Heated enclosure for masonry on locker rooms





Southern view of academic building in progress



West Lake High School Cost Summary

Demolition Fees		PO #270183
Demolition Payments to Date	\$ 1,251,749.00	
Staff Level Change Orders	\$12,903.00	
Change Order Sub Total	\$12,903.00	
Construction Fees		PO #270409
Construction Payments to Date	\$ 17,980,416.71	
Change Orders Requiring Board Authorization Owner Request		
Advancing Work Into Earlier Phase		
Unknown Conditions	\$320,458.89	
Errors & Omission		
Staff Level Change Orders	\$46,803.88	
Change Order Sub Total	\$367,262.77	
Phase Advancement Sub Total	\$0.00	
Summary		
Payments to Date - Grand Total	\$19,232,165.71	
Change Order - Grand Total	\$380,165.77	
Phase Advancement - Grand Total	\$0.00	

