



BOND PROJECTS UPDATE

October 12, 2022

Presenter: Erik Oden, Director of Maintenance and Operations
Adrian Bica, Executive Director of Technology



Index – Projects Completed 2016-2019



Abraham Lincoln ES

- Marquee Sign
- Roof Replacement
- HVAC Replacement



Helen Lehman ES

- Marquee Sign



Luther Burbank ES

- Marquee Sign



Albert Biella ES

- Marquee Sign
- Roof Replacement
- HVAC Replacement



Hidden Valley ES

- Classroom Portables
- Roof Replacement
- HVAC Replacement



Proctor Terrace ES

- Restroom Portable



Brook Hill ES

- Marquee Sign



James Monroe ES

- Marquee Sign
- Roof Replacement & Upgrade
- HVAC Replacement



Steele Lane ES

- Marquee Sign
- Lunch Plaza

Index – Projects Completed 2016-2019



Herbert Slater MS

- Marquee Sign
- Roof Replacement & Upgrade
- HVAC Replacement



Santa Rosa MS

- Roof Replacement
- HVAC Replacement



Montgomery HS

- Track and Field Projects
- Roof Replacement
- HVAC Replacement



Hillard Comstock MS

- Roof Replacement & Upgrade
- HVAC Replacement



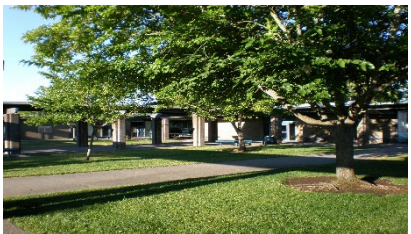
Elsie Allen HS

- Marquee Sign
- Track and Field Projects
- Roof Replacement & Upgrade
- HVAC Replacement



Piner HS

- Marquee Sign
- Track and Field Projects
- Roof Replacement
- HVAC Replacement



Rincon Valley MS

- HVAC controls upgrade



Maria Carrillo HS

- Track and Field Projects
- Roof Replacement & Upgrade
- HVAC Replacement



Santa Rosa HS

- Track and Field Projects
- Roof Replacement
- HVAC Replacement

Site Improvements



Steele Lane Lunch Plaza

- New Lunch Eating/Courtyard Area
- New walkways and seating
- Fencing at Perimeter
- Landscape Improvements
- Improved Bus Waiting Area

Steele Lane ES Lunch Shelter project was completed in 2019. This project provided additional shaded seating areas for students. Benched planters were installed along with new grass and fencing to allow students and staff to have access to the front entry with a separation from the main street.



Marquee Signs

2018	2019	2020
• Lincoln	• Steele Lane	• Proctor
• Slater	• Brookhill	• RVMS
• Lehman	• Burbank	• SRMS
• Biella	• Elsie Allen	• HCMS
• Monroe	• Piner	• HVES

Over the last five years, 15 new electronic marquee style signs have been installed. Both Ridgway and CCLA will be completed this fall. The site-work portion of this project is complete, with tentative sign delivery and final installation scheduled for mid-November.

New Building Additions



Proctor Terrace Restrooms

- New Portable Restrooms

A new restroom building was added at Proctor Terrace ES. The new restroom is a portable building, containing both girls and boys restrooms.



Hidden Valley ES New Portables

- Three New Portable Classrooms
- New Walkway at classrooms
- Improvements at play area

Three new portable buildings were installed to accommodate students arriving from Hidden Valley Satellite Campus (displaced from fires)

Site Improvements

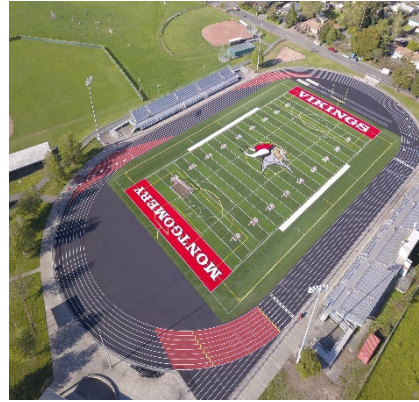
Track and Field Projects



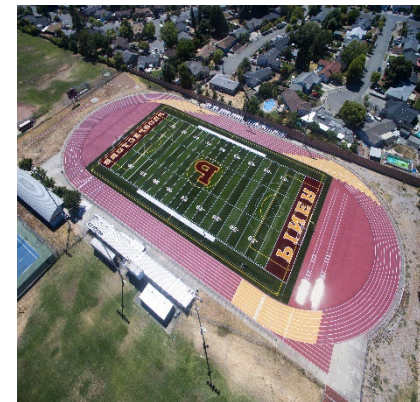
Santa Rosa HS



Elsie Allen HS



Montgomery HS

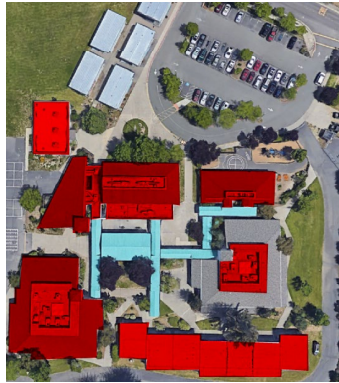


Piner HS

- Maria Carrillo HS
- Montgomery HS
- Piner HS
- Elsie HS
- Santa Rosa HS

Roof and HVAC Replacement

Elementary Schools



Albert Biella Elementary

- 41,303 SF of Roof Replaced
- 19 Rooftop HVAC Units Replaced
- \$1,440,000 Original Cost Estimate
- \$1,771,250 Bid Price
- **\$385,752 Deductive Change Orders**
- \$1,385,498 Final Construction Cost

*This site had easy access to each building but limited access to rooftop units in the mechanical wells, with equipment being replaced with like kind units. Existing structure had adequate slope with approximately 60% of the campus consisting of steep slope composite shingle. This allowed additional insulation be installed with the new title 24 roof system and will help reduce energy consumption.



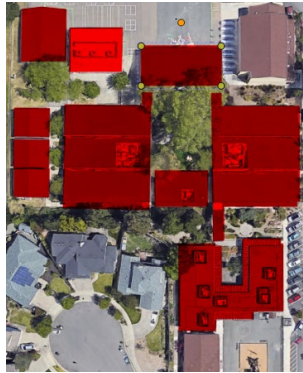
Abraham Lincoln Elementary

- 71,500 SF Roof Replaced
- 34 Rooftop HVAC Units Replaced
- \$4,197,500 Original Cost Estimate
- \$3,525,893 Bid Price
- **\$208,728 Deductive Change Orders**
- \$3,317,165 Final Construction Cost

*This site has very minimal access to several of the building on campus, with minimal access to the rooftop units in the center of each building, with equipment being replaced with like kind units. 90% of the roof structure has adequate slope with 10% of the roof needing tapered insulation to create additional drainage capability. Approximately 40% of the campus consisting of steep slope standing seam metal roof panels. Additional insulation will be installed with the new title 24 roof system and will help reduce energy consumption.

Roof and HVAC Replacement

Elementary Schools



Hidden Valley Elementary

- 58,861 SF Roof Replaced
- 16 Rooftop HVAC Units Replaced
- \$1,485,000 Original Cost Estimate
- \$1,888,444 Bid Price
- **\$606,373 Deductive Change Order**
- \$1,282,071 Final Construction Cost

*This site was difficult to access majority of the buildings on campus, with minimal access to rooftop units in the mechanical wells. HVAC equipment was replaced with like kind units. Existing structure had adequate slope with approximately 80% of the campus consisting of steep slope composite shingle. This allowed additional insulation be installed with the new title 24 roof system and will help reduce energy consumption.



James Monroe Elementary

- 62,797 SF Roof Replaced
- 2,330 SF Roof Upgraded
- 32 Rooftop HVAC Units Replaced
- \$3,467,270 Original Cost Estimate
- \$3,400,419 Bid Price
- **\$277,191 Deductive Change Order**
- \$3,123,228 Final Construction Cost

*This site has easy access to each of the building on campus, with easy access to the rooftop units that are spread out across each building. HVAC equipment was replaced with like kind units. 75% of the roof structure had poor slope requiring tapered insulation to be installed to create additional drainage capability, raising of equipment curbs, electrical/gas/condensate lines to accommodate new roof slope. Additional insulation was installed with the new title 24 roof system and will help reduce energy consumption.

Roof and HVAC Replacement

Elementary Schools



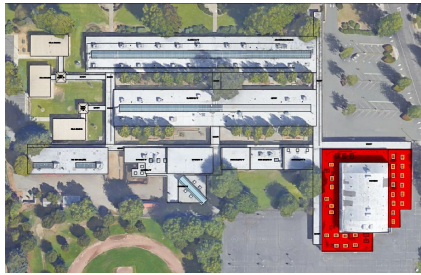
Steele Lane ES

- 71,853 SF Roof Replacement
- 39 Rooftop HVAC Units Replaced
- 850 SF Skylight Replacement
- \$5,663,750 Original Cost Estimate
- \$6,327,352 Bid Price
- **\$528,080 Deductive Change Order**
- \$5,799,271 Final Construction Cost

*This site has difficult access to several of the building on campus. Existing equipment will be replaced with a new type of HVAC equipment requiring additional utilities to be added at both the roof level and classroom locations. The removal most of the duct work from the roof will make for a more energy efficient system. 90% of the roof structure has good slope with 10% of the roof needing tapered insulation to create additional drainage capability. Additional insulation will be installed with the new title 24 roof system and will help even more to reduce the overall energy consumption.

Roof and HVAC Replacement

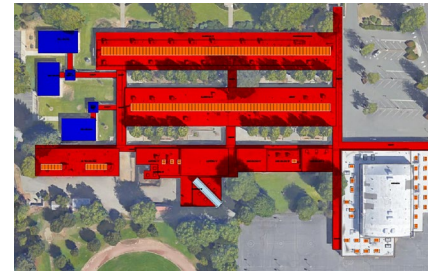
Middle Schools



Herbert Slater Middle Phase I

- 18,073 SF Roof Replaced
- \$660,000 Original Cost Estimate
- \$605,614 Bid Price
- **\$46,216 Deductive Change Order**
- \$559,398 Final Construction Cost

* This phase had easy access to each of the building for the replacement of the roof system only. Existing roof structure had poor slope requiring tapered insulation to be installed to create additional drainage minimal equipment needed to be raised to accommodate new roof slope. Additional insulation was installed with new title 24 roof system and will help reduce energy consumption.



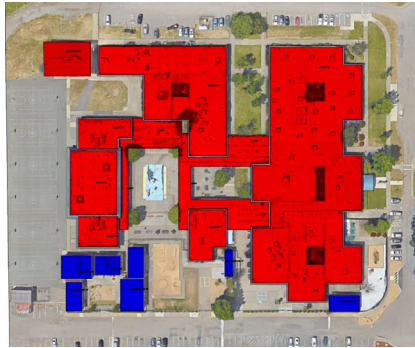
Herbert Slater Middle Phase II

- 112,347 SF Roof Replaced
- 14,111 SF Skylight Replacement
- 40 Rooftop HVAC Units Replaced
- \$6,900,498 Original Cost Estimate
- \$5,830,000 Bid Price
- \$160,261 Increase Change Order
- \$5,990,261 Final Construction Cost

*This phase is difficult to access to each of the building, with minimal access to the rooftop units that are spread out across each building. Existing equipment is being replaced with a new type of HVAC equipment requiring additional utilities to be added. Existing structural skylights are also being replaced along with DSA required scope of work to provide proper access to each building. Additional insulation was installed with the new title 24 roof system and will help reduce energy consumption.

Roof and HVAC Replacement

Middle Schools



Hilliard Comstock Middle

- 116,165 SF Roof Replaced
- 10,000 SF Roof Upgraded
- 68 Rooftop HVAC Units Replaced
- \$5,743,704 Original Cost Estimate
- \$5,822,814 Bid Price
- **\$758,864 Deductive Change Order**
- \$5,063,950 Final Construction Cost

*This site has easy access to each of the building on campus, with easy access to the rooftop units that are spread out across each building. HVAC equipment was replaced with like kind units. 75% of the roof structure had poor slope requiring tapered insulation to be installed to create additional drainage capability, raising of equipment curbs, electrical/gas/condensate lines to accommodate new roof slope. Additional insulation was installed with the new title 24 roof system and will help reduce energy consumption.



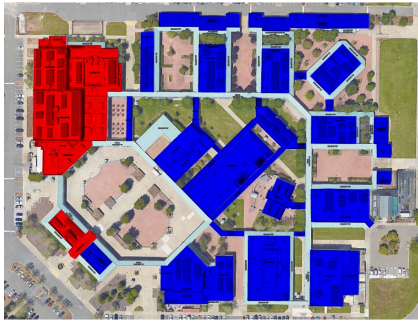
Santa Rosa Middle

- 129,000 SF Roof Replacement
- 51 Rooftop HVAC Units Replaced
- \$7,671,650 Original Cost Estimate
- \$7,996,404 Bid Price
- **\$458,291 Deductive Change Order**
- \$7,538,113 Final Construction Cost

*This site has decent access to each of the building on campus, with easy access to majority of the rooftop units that are spread out across each building. HVAC equipment was replaced with like kind units, along with added air flow in the gymnasium with BAF. 90% of the roof structure had low slope requiring tapered insulation in a few locations to create additional drainage capability, raising of equipment curbs, electrical/gas/condensate lines to accommodate new roof slope. Additional insulation was installed with the new title 24 roof system and will help reduce energy consumption. 5% of the roof is a steep slope clay tile that was removed to install new underlayment and reinstalled.

Roof and HVAC Replacement

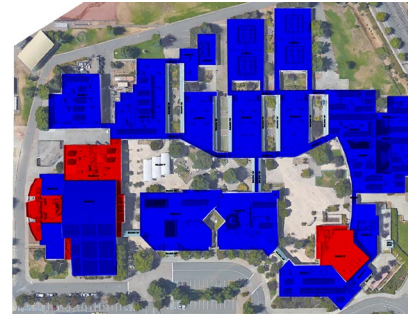
High School



Elsie Allen High

- 96,984 SF of Roof Replaced
- 344,873 SF Roof Upgraded
- 90 Rooftop HVAC Units to be Replaced
- \$7,608,415 Original Cost Estimate
- \$7,885,187 Bid Price
- **\$1,465,326 Deductive Change Order**
- \$6,419,861 Final Construction Cost

*This site has easy access to each of the building on campus, with easy access to the rooftop units that are spread out across each building. HVAC equipment was replaced with like kind units. Roof upgrades included the replacement of flashing at penetrations and isolated leak locations to prolong the life of the roof system. Canopy and mansard roof areas were not addressed in this project. Roof structure at replacement locations had adequate slope allowing additional insulation to be installed with the new title 24 roof system and will help reduce energy consumption.



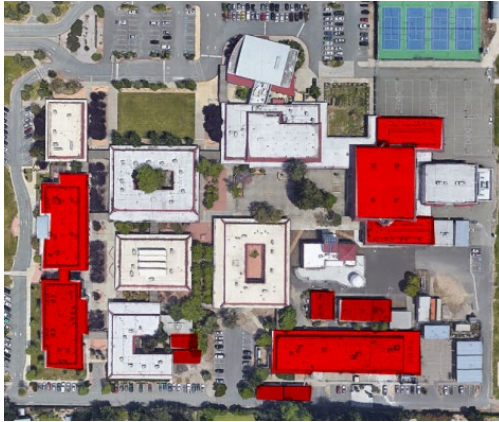
Maria Carrillo High

- 56,895 SF of Roof Replaced
- 214,441 SF Roof Upgraded
- 100 Rooftop HVAC Units to be Replaced
- \$5,730,140 Original Cost Estimate
- \$5,309,616 Bid Price
- **\$604,139 Deductive Change Order**
- \$4,705,477 Final Construction Cost

*This site has easy access to each of the building on campus, with easy access to the rooftop units that are spread out across each building. HVAC equipment was replaced with like kind units. Roof upgrades included the replacement of flashing at penetrations and isolated leak locations to prolong the life of the roof system. Canopy and mansard roof areas were not addressed in this project. Roof structure at replacement locations had adequate slope allowing additional insulation to be installed with the new title 24 roof system and will help reduce energy consumption.

Roof and HVAC Replacement

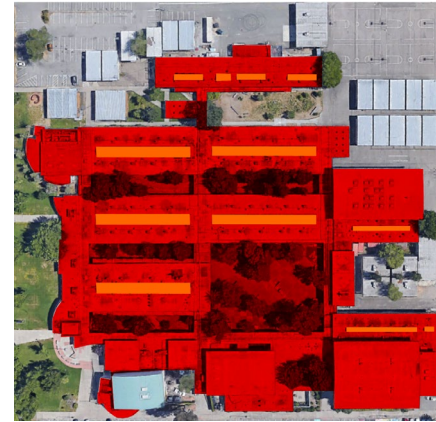
High School



Piner High

- 93,951 SF Roof Replaced
- 35 Rooftop HVAC Units Replaced
- \$4,150,000 Original Cost Estimate
- \$3,996,264 Bid Price
- **\$45,446 Deductive Change Order**
- \$3,950,818 Final Construction Cost

*This site has easy access to each of the building on campus, with easy access to the rooftop units that are spread out across each building. HVAC equipment was replaced with like kind units. Roof structure at replacement locations had adequate slope allowing additional insulation to be installed with the new title 24 roof system and will help reduce energy consumption.



Montgomery High

- 226,704 SF Roof Replacement
- 10,500 SF Skylight Replacement or infill
- 80 Rooftop HVAC Units Replaced
- \$13,472,250 Original Cost Estimate
- \$17,872,900 Revised Estimate for DSA required scope
- \$18,672,891 Bid Price
- **\$245,471.43 Deductive Change Order**
- \$18,427,419.97 Final Construction Cost

*This phase is difficult to access to each of the building, with minimal access to the rooftop units that are spread out across each building. Existing equipment is being replaced with a new type of HVAC equipment requiring additional utilities to be added. Existing structural skylights are also being replaced along with DSA required scope of work to provide proper access to each building. Additional insulation was installed with the new title 24 roof system and will help reduce energy consumption.

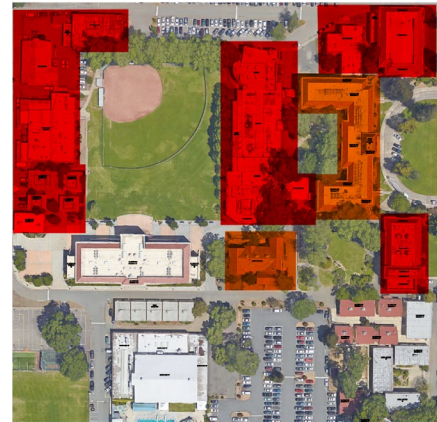
Roof and HVAC Replacement

High School



Santa Rosa High Phase I

- 34,290 SF Roof Replaced
- 44 Rooftop HVAC Units to be Replaced
- \$4,500,000 Original Cost Estimate
- \$5,340,958 Bid Price
- **\$338,474 Deductive Change Order**
- \$5,002,484 Final Construction Cost



Santa Rosa High Phase II

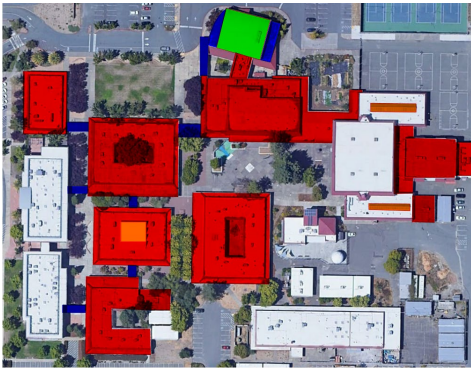
- 110,738 SF Roof Replacement
- 43 Rooftop HVAC Units Replaced
- 2,500 SF Skylight Replacement
- \$12,245,713 Original Cost Estimate
- \$14,250,750 Revised Estimate for DSA required scope
- \$11,671,773 Bid Price
- **\$995,639.43 Deductive Change Order**
- 10,676,133.47 Final Construction Cost

*This phase was difficult to access the building, with minimal access to rooftop units in the mechanical wells. Existing equipment was replaced with a new type of HVAC equipment requiring additional utilities to be added at both the roof level and classroom locations. Existing structure had adequate slope with approximately 50% of the campus consisting of steep slope clay tile.

*This phase access was easy to each of the building, but with AB300 structural upgrades to several of the buildings the work locations are very difficult to perform. Existing equipment was replaced with a new type of HVAC equipment requiring additional utilities to be added at both the roof level and classroom locations. Additional insulation was installed with the new title 24 roof system and will help reduce energy consumption.

Roof and HVAC Replacement

High School



Piner HS Phase II

- 166,572 SF Roof Replacement
- 78 Rooftop HVAC Units Replaced
- 3,227 SF Skylight Replacement
- \$12,155,500 Original Cost Estimate
- \$9,719,000 Bid Price
- \$TBD Deductive Change Order
- \$TBD Final Construction Cost

*This phase has limited access to each of the building on campus, with difficult access to the rooftop units that are spread out across each building. HVAC equipment was replaced with like kind units. 50% of the roof structure had poor slope requiring tapered insulation to be installed to create additional drainage capability, raising of equipment curbs, electrical/gas/condensate lines and base of metal wall panels to accommodate new roof slope. Additional insulation was installed with the new title 24 roof system and will help reduce energy consumption.

Roof and HVAC Replacement

Proposed Schools 2023



Brook Hill ES

- +/- 45,000 SF Roof Replacement
- 28 HVAC Rooftop Units Replaced
- \$4,956,500 Original Cost Estimate



CCLA

- 138,558 SF Roof Replacement
- 64 Rooftop HVAC Units Replaced
- 17,990 SF Solar Panel Remove and Reinstall
- \$12,822,500 Original Cost Estimate

Roof and HVAC Replacement

Proposed Schools 2023



Santa Rosa High Phase 3

- +/- 34,000 SF Roofing Replaced
- 18 Rooftop Mounted HVAC Units Replaced
- \$6,641,250 Original Cost Estimate

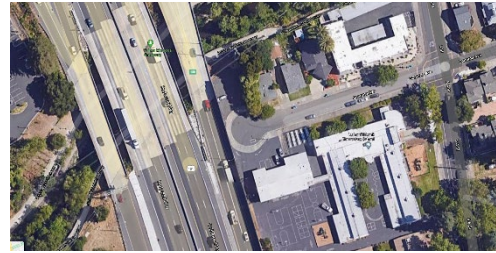
Roof and HVAC Replacement

Proposed Schools 2024



Rincon Valley Middle School

*Est. Cost \$8,700,000



Luther Burbank Elementary School

*Est. Cost \$3,100,000



Helen Lehman Elementary School

*Est. Cost \$3,700,000



Proctor Terrace Elementary School

*Est. Cost \$4,300,000

Technology Updates

District Office Data Center Refresh

- 90% Completed – on schedule
- Last applications to be migrated by the end of September
- Full failover testing during the Thanksgiving break

1:1 Chromebook Program

- Chromebooks for the refresh cycle configured and distributed (TK-K,3rd,7th and 9th Grades)
- Old 1:1 Chromebook replacement in progress

Wide Area Network

- Dark fiber installed at majority of sites
- Dark fiber testing in progress
- Majority of the equipment installed
- New solution testing to start during the Thanksgiving break
- To follow: Lewis Learning Center and Alba Lane

Classroom Technology Project (ON HOLD)

- Audio/Video upgrades and Voice Amplification
- On hold until funding is released to SRCS from Emergency Connectivity Fund



THANK YOU!!
QUESTIONS?

