



Mountain View
Whisman
School District

Crittenden and Theuerkauf Electrical Upgrades

March 4, 2021



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School District

Scope of Work

Scope of Work

- Crittenden Middle School
 - Installation of new main breaker in main switchboard
 - Installation of new distribution breakers in main switchboard
- Theuerkauf Elementary School
 - Installation of new 2,000-amp main switchboard at new location to move switchboard outside of building G.
 - Includes block wall enclosure with ornamental metal gate to conceal electrical equipment.
 - Splice existing feeders to new equipment.



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Proposed Plans

Theuerkauf Elementary School Site Plan



Theuerkauf Elementary School Enlarged Site Plan





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Proposed Budget

Schematic Design Budget

Construction

| Description | Quantity | Unit | Unit \$ | Total |
|--|----------|------|------------|-------------------|
| Crittenden | | | | |
| New Distribution Breakers | 7 | ea | \$ 4,000 | \$ 28,000 |
| New Main Breaker | 1 | ls | \$ 10,000 | \$ 10,000 |
| Test and Service Panel | 1 | ls | \$ 2,500 | \$ 2,500 |
| Repair Allowance | 1 | alw | \$ 7,500 | \$ 7,500 |
| Theuerkauf | | | | |
| New 2000A Switchboard | 1 | ls | \$ 125,000 | \$ 125,000 |
| New Enclosure (Block w/ Gates 10'x15') | 1 | ls | \$ 35,000 | \$ 35,000 |
| Splice Feeders | 6 | ea | \$ 2,500 | \$ 15,000 |
| Extend Feeders | 600 | lf | \$ 100 | \$ 60,000 |
| Cut & Patch Existing Elec. Room | 1 | alw | \$ 7,500 | \$ 7,500 |
| | | | | |
| Total Direct Cost | | | | \$ 290,500 |
| Contractor General Conditions | 10 | % | \$ 290,500 | \$ 29,050 |
| Contractors Fee | 10 | % | \$ 290,500 | \$ 29,050 |
| Bonds and Insurance | 2 | % | | \$ 6,972 |
| Anticipated Bid Amount | | | | \$ 355,572 |

Project Cost

| Description | Quantity | Unit Cost | Subtotal |
|---------------------------------|----------|-----------|-------------------|
| Construction Budget | 1 | ls | \$ 355,572 |
| Design Contingency | 5 | % | \$ 17,779 |
| Construction Contingency | 5 | % | \$ 17,779 |
| Architect Fees | 1 | ls | \$ 48,000 |
| Architect Reimbursable Expenses | 1.5 | % | \$ 720 |
| PG&E Fees | 1 | al | \$ 35,000 |
| Topographic Survey | 1 | ls | \$ 3,500 |
| Soils Report & Testing | 1 | % | \$ 3,556 |
| CM Fees | 4.5 | % | \$ 16,001 |
| DSA Inspector (Part Time) | 2 | mos. | \$ 8,000 |
| Testing Laboratory | 1 | % | \$ 1,500 |
| Bid Advertisements | 1 | ls | \$ 1,500 |
| DSA Fees | 1.2 | % | \$ 391,129 |
| CEQA | 1 | ls | \$ 1,000 |
| Legal | 1 | ls | \$ 1,000 |
| Estimated Project Cost | | | \$ 523,599 |



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Schedule

Schedule

| | | | |
|--|-----------------|---------------------|-------------------|
| Crittenden Middle School and Theuerkauf Elementary School Electrical Upgrades | 189 days | Mon 11/16/20 | Thu 8/5/21 |
| Schematic Design | 60 days | Mon 11/16/20 | Fri 2/5/21 |
| BOT Action SD Approval | 1 day | Thu 3/4/21 | Thu 3/4/21 |
| Construction Documents | 30 days | Fri 3/5/21 | Thu 4/15/21 |
| PGE Application and Review | 60 days | Fri 3/5/21 | Thu 5/27/21 |
| Bid and Award | 30 days | Fri 4/30/21 | Thu 6/10/21 |
| Construction | 40 days | Fri 6/11/21 | Thu 8/5/21 |



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Thoughts and Questions