

# MEMORANDUM

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Public Works Department

**To:** Honorable Mayor and City Council

**Date:** April 13, 2022

**From:** Todd Capurso, Public Works Director

**Via:** Brian Loventhal, City Manager

**Subject** Informational Update – Police Operations Building Construction Documents

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## PURPOSE

To provide the City Council with an update regarding the Measure O funded Police Operations Building, including the Construction Documents – Plan Check Submittal, and corresponding updates regarding the cost estimate, project schedule, and review status.

## BACKGROUND

In the November 2018 general election, the City of Campbell (City) voters passed Measure O, a \$50 million general obligation (GO) bond measure to fund the Civic Center Improvement Project (Project). This Project includes removal of the existing Police Department Annex structure (a portable building); construction of a new, two-story Police Operations Building in the northwest corner area of the Civic Center site; upgrades to the current space occupied by the Police Department; renovation of the existing Campbell Library Building; and, alteration of parking lots and pedestrian walkways within the Civic Center complex for an improved and more inviting layout.

On May 19, 2020, the City Council awarded the building design services contract for the new Police Operations Building to LPA Designs Studios (LPA, Inc.).

On May 4, 2021, the City Council approved the schematic design for the interior layout of the new Police Operations Building and directed staff to add a second driveway to the parking lot; re-evaluate the front entrance plaza and stairway; and consider re-evaluating the proposed floorplan of the current space occupied by the Police Department. The City Council also discussed a preference for the design option that included a stucco base and an aluminum composite for the new Police Operations Building.

On July 2, 2021, City staff issued an Informational memorandum to the City Council providing Design Development updates for the entire Project. The updates included revisions to the schematic design for the Project as directed by the City Council.

On July 21, 2021, per California Environmental Quality Act (CEQA) guidelines, the City published an Initial Study and Mitigated Negative Declaration for the Project with a 20-day review period for both public review and comments. The recommended mitigation measures included various “best management practices” for protecting cultural resources, and addressing construction-related air quality (dust, exhaust), and hazardous material (asbestos, lead-based paint) impacts. Additional

mitigation measures included: completing a Phase II Environmental Site Assessment prior to construction; protecting nesting birds from construction activities; and selecting appropriate mechanical equipment for the new Police Operations Building to minimize noise levels to the surrounding residential neighbors.

On August 17, 2021, the City Council approved the Mitigated Negative Declaration for the Project.

On September 7, 2021, the City Council authorized City staff to utilize the traditional Design-Bid-Build process to complete the construction of the new Police Operations Building and updates to the current Police Department facilities. The City Council also authorized City staff to execute an amendment to the agreement with LPA, Inc., allowing LPA, Inc. to complete the construction drawings and prepare the documents for a public bid process (the Construction Documents phase).

On September 21, 2021, during a City Council study session, City staff and LPA, Inc. presented an update on the Design Development phase for the Project, which was now at the 30% completion point in the design level for the process. At a City Council meeting following the study session, the City Council requested that LPA, Inc. finalize the design for the parking lot, ramps, and walkways to the new Police Operations Building, and the lower level to City Hall, with the flexibility of losing one or two parking spaces and an existing tree if required for a more effective design.

## **DISCUSSION**

Since the City Council study session, the Project design has been modified to reflect City Council discussion and direction. As a result, the design proposes to maximize parking while preserving existing trees and providing a second driveway access point. Additionally, underground fueling tanks and pumps are proposed to remain in place to maximize project funding and leverage existing resources. The ramps to the lower level of City Hall are also proposed to be addressed to improve ADA accessibility to the existing facility. Lastly, to achieve compliance with state water conservations regulations, various paving solutions are proposed to be used around the building to capture, channel, and treat as much storm water on site as possible.

### ***Project Costs***

When the 65% Construction Documents were completed, City staff continued its efforts to track changes in the corresponding cost estimates, especially in light of the recent world-wide supply chain challenges. In that regard, City staff is having continuous dialog with both the Library and Police design teams, including the cost estimating firms.

Earlier this month, both the Library and Police design teams informed City staff that the Construction Cost Index for the first quarter of calendar year 2022 was showing increasing volatility and abnormally high rates of construction cost escalation. These cost escalations are predicted to continue through the remainder of the calendar year. (See Q1 2022 market report from ENR.com, “Attachment A” to this memorandum.)

As a result of the trends in the Construction Cost Index, both designers are currently re-evaluating their cost estimates to reflect and account for the significant jump in the rate of escalation. City staff and the design teams will update the City Council with a revised cost estimate and corresponding strategy at the next phase of design review with a possible reduction or elimination

of certain design elements, a reduction in the quality/performance of certain finishes, and/or the removal of items from the base package and identification of them as additional bid alternates.

The following is the current estimated budget and expenditures for the new Police Operations Building and the updates to the existing Police Operations Building:

<b>Police Building Funding Sources</b>	<b>Amount</b>
Original Measure O Allocation	\$20,000,000
Shared Site Improvements (50% Allocation)	\$500,000
Police Site Improvements – Allocation	\$2,000,000
Existing PD Space – Allocation	\$2,500,000
State Resiliency Grant (Non-Measure O)	\$3,900,000
Silicon Valley Clean Energy Grant (Non-Measure O)	\$200,000
<b>Police Budget</b>	<b>\$29,100 000</b>

The proposed construction expenditures (which does not yet factor in recent increases to the escalation rate) can be broken down into further detail as follows:

<b>Police Building Expenditure Plan</b>	<b>Amount</b>
Construction	\$20,914,009
Rooftop PV – Resiliency	\$200,000
Construction Contingency	\$2,060,000
Utilities - PG&E, Sewer, Water	\$150,000
Design and Planning	\$2,300,000
Testing & Inspections	\$312,594
FF&E	\$3,287,943
Permitting	\$50,000
Potential Deductive Alternates	(191,009)
<b>Construction Cost Estimate</b>	<b>\$29,083,537</b>

For a comprehensive break-down of estimated costs, see “Campbell Police Building 65% CD Cost Estimate,” dated January 7, 2022, “Attachment B” to this memorandum.

***Plan Review***

Since the 65% Construction Documents have been developed, several rounds of plan review have been conducted by staff and outside service providers. To date, the plans have been reviewed (and comments provided) by the following work groups:

- Public Works Engineering (Engineers, Inspectors, and Maintenance Staff)
- Building Maintenance
- Parks and Landscape Maintenance
- Building Division
- Police Department
- Information Technology (IT) Division
- Santa Clara County Fire Department
- Third-Party Plan/Code Review (via the Building Division)

### ***Redaction Process***

During this round of review, it was determined that the 65% Construction Documents contained highly sensitive information regarding the proposed building layout as well as associated security information. In preparation of sharing this information with Council, and therefore making this a public document, staff requested that LPA produce a redacted set of the 65% plans. LPA expressed that the task would be extremely difficult as the design information did not easily lend itself to editing/redacting after the fact. A more efficient alternative was to redact the set that was being prepared as the Plan Check Submittal set.

With that in mind, LPA has prepared a fully redacted Plan Check Submittal set for the Council (and public) to review. A full-size set has been placed at the City Clerk's Office. It may be helpful for the Council to know that this set has not yet been fully reviewed by staff and the corresponding cost estimate has not yet been received. As an alternative, staff is attaching the cost estimate that was received with the 65% Construction Documents and will send an update to Council once the revised cost estimate is received and reviewed.

### ***Next Steps***

#### ***Construction Documents***

The next step in the process is for staff to review comments related to the 65% Construction Documents and ensure that the feedback has been incorporated into the Plan Check Submittal. This review is currently underway. Upon completion, LPA, Inc. will move to the next task of preparing the Final Construction Documents and routing them for plan check comments from staff and outside service providers, with the final step of obtaining building permits and other associated approvals.

#### ***Pre-Qualification Process***

The prequalification of contractors is scheduled to begin in May 2022 and will be similar to a Request for Qualifications (RFQ) process. To that end, criteria will be used to identify contractors that are best suited to bid on each component of the Project based on previous experience with constructing similar facilities; working with public entities; and demonstrations of quality for previously completed projects. To be sure that the most qualified potential candidates submit bids for the unique areas of the Project, one prequalification process will be used for the renovations to the Library and a separate one will be used for the construction of the new Police Operations Building and renovations to the space currently occupied by the Police Department.

**Schedule**

The following is the revised tentative project schedule; with the tentative grand opening of the new Police Operations Building and renovations of the current Police Operations Building proposed for Spring 2024.

<b>Police Project Milestones</b>	<b>Anticipated Completion</b>
Construction Documents Completion	May 2022
Pre-Qualify Bidders Process	June 2022
Authorize Bid Process – Council <ol style="list-style-type: none"> <li>1. Approve Plans, Specs &amp; Engineer’s Estimate</li> <li>2. Approve Engineer's Estimate, Construction Contingency and Funding</li> <li>3. Authorize Soliciting Bids from prequalified contractors</li> <li>4. Authorize City Manager to execute contract with the lowest responsible &amp; responsive bidder</li> </ol>	July 2022
Award Construction Contract - Council	August 2022
Construction Start	September 2022
Construction Completion	Spring 2024

Attachments:

- A: ENR Report – Q1 2022
- B: Campbell Police Building 65% CD Cost Estimate

## ENR's 20-city average cost indexes, wages and material prices. Historical data for ENR's 20 cities can be found at [ENR.com/economics](https://enr.com/economics)

### Construction Cost Index

**+8.0%**

ANNUAL INFLATION RATE

**JAN. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
CONSTRUCTION COST	12555.55	+0.6%	+8.0%
COMMON LABOR	24365.52	0.0%	+1.4%
WAGE \$/HR.	46.82	0.0%	+1.4%

The Construction Cost Index's annual escalation rose 8%, while the monthly component rose 0.6%.

### Building Cost Index

**+13.9%**

ANNUAL INFLATION RATE

**JAN. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
BUILDING COST	7359.09	+1.0%	+13.9%
SKILLED LABOR	11055.72	0.0%	+2.6%
WAGE \$/HR.	60.99	0.0%	+2.6%

The Building Cost Index was up 13.9% on an annual basis, while the monthly component increased 1%.

### Materials Cost Index

**+2.2%**

MONTHLY INFLATION RATE

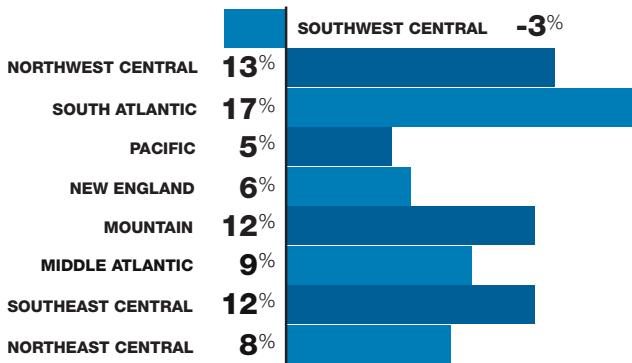
**JAN. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
MATERIALS COST	5073.87	+2.2%	+33.7%
CEMENT \$/TON	151.44	-0.5%	+3.1%
STEEL \$/CWT	79.47	+3.8%	+41.2%
LUMBER \$/MBF	949.70	-0.3%	+26.9%

The MCI rose 2.2% since last month, while the annual escalation rate increased 33.7%.

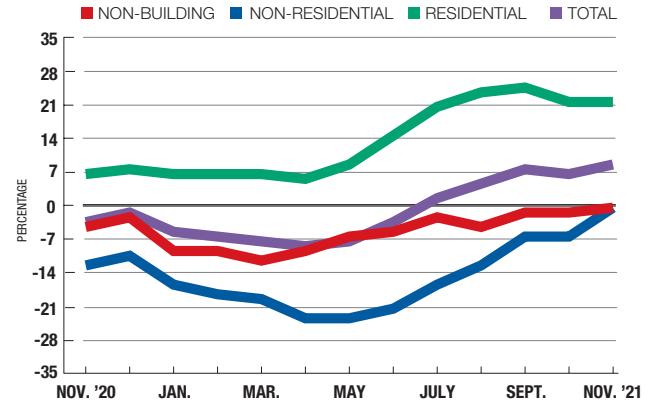
## Construction Starts Regional growth trends vs. national trends

### SOUTHEAST CENTRAL STARTS UP 12%



SOURCE: DODGE DATA & ANALYTICS. YEAR-TO-YEAR PERCENT CHANGE IN VALUE OF TOTAL PROJECTS STARTED MARCH 2021 FOR 12-MONTH ROLLING TOTALS.

### RESIDENTIAL STARTS ON THE RISE



SOURCE: DODGE DATA & ANALYTICS. YEAR-TO-YEAR PERCENT CHANGE FOR 12-MONTH ROLLING NATIONAL TOTAL STARTS.

The total dollar value of new construction starts in New Mexico in September was 19.4% below September 2020's level, according to Dodge Data & Analytics. The residential sector increased 23.8%, while non-residential fell 42.5% from the same time last year. Non-building construction decreased 23% in the same period.

NEW MEXICO CONSTRUCTION STARTS: \$/MIL	2021 SEPT.	2021 AUG.	2020 SEPT.	% CHG. MONTH	% CHG. YEAR
<b>TOTAL CONSTRUCTION</b>	<b>4,288,693</b>	<b>4,345,955</b>	<b>5,320,285</b>	<b>-1.3</b>	<b>-19.4</b>
<b>NON-RESIDENTIAL</b>	<b>1,155,232</b>	<b>1,166,036</b>	<b>2,008,880</b>	<b>-0.9</b>	<b>-42.5</b>
COMMERCIAL, MANUFACTURING	524,715	517,909	1,322,716	+1.3	-60.3
STORES, SHOPPING CENTERS	91,130	89,089	69,073	+2.3	+31.9
OFFICE, BANK BUILDINGS	176,820	195,651	1,069,263	-9.6	-83.5
HOTELS, MOTELS	19,011	13,011	6,800	+46.1	179.6
MANUFACTURING BUILDINGS	13,915	13,915	19,800	0.0	-29.7
INSTITUTIONAL	630,517	648,127	686,164	-2.7	-8.1
EDUCATIONAL BUILDINGS	247,851	263,313	190,238	-5.9	30.3
HEALTH CARE FACILITIES	300,970	303,769	323,463	-0.9	-7.0
<b>RESIDENTIAL</b>	<b>1,545,826</b>	<b>1,530,673</b>	<b>1,248,422</b>	<b>+1.0</b>	<b>+23.8</b>
<b>NON-BUILDING</b>	<b>1,587,635</b>	<b>1,649,246</b>	<b>2,062,983</b>	<b>-3.7</b>	<b>-23.0</b>
HIGHWAYS, BRIDGES	580,755	604,028	391,380	-3.9	+48.4
ENVIRONMENTAL PUBLIC WORKS	379,204	418,665	251,787	-9.4	+50.6
POWER, UTILITIES	380,755	379,370	1,275,241	+0.4	-70.1

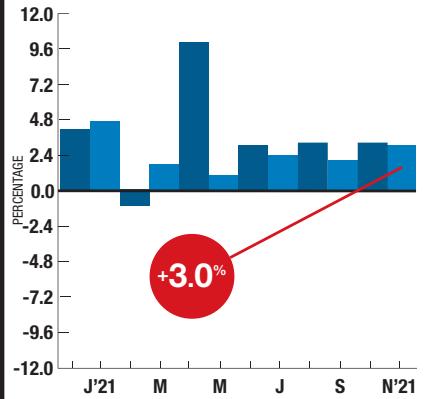
SOURCE: DODGE DATA & ANALYTICS CONSTRUCTION STARTS. TOTALS MAY NOT ADD UP DUE TO EXCLUSION OF OTHER CATEGORIES. 12-MONTH ROLLING TOTALS FOR NEW MEXICO.

The price for aluminum sheet rose 3% in November after increasing 3.9% in October, according to the Bureau of Labor Statistics' producer price index. The annual index sits at 40.9%, up from 37.4%. ENR's 20-city average monthly price for aluminum sheet increased 2.9%, with yearly prices 28.6% above January 2021's level. The average price for standard structural shapes increased 43.1% from January 2021's prices, while monthly prices increased 2.3%. Both types of stainless-steel plate experienced monthly and yearly increases, as did all types of stainless-steel sheet.

## PRODUCER PRICE INDEX

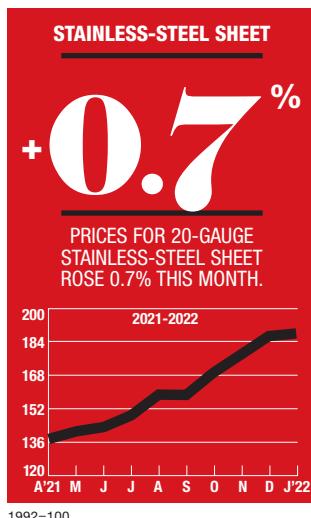
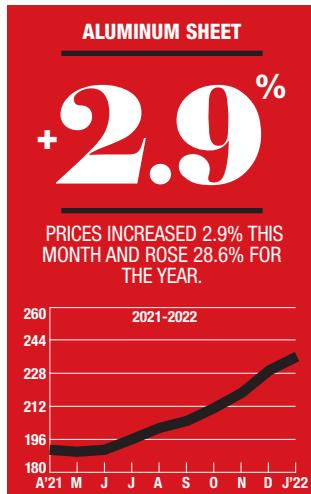
### ALUMINUM SHEET

Monthly Percent Change



SOURCE: BUREAU OF LABOR STATISTICS

## ENR's Materials Prices For January 2022



## 20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
<b>STANDARD STRUCTURAL SHAPES</b>				
Average	CWT	81.29	+2.3	+43.1
Channel beams, 6" Deep, 8.2 LB/LF	CWT	76.44	+2.0	+34.9
I-beams, 6" Deep, 12.5 LB/LF	CWT	85.95	+1.2	+45.6
Wide-flange, 8" Deep, 31 LB/LF	CWT	81.23	<b>+2.3</b>	+48.5
<b>REINFORCING BARS</b>				
Grade 60, No. 4	CWT	67.28	<b>+1.6</b>	+28.2
<b>HOT-ROLLED CARBON-STEEL PLATE</b>				
12 gauge, 48" x 10'	CWT	90.16	+1.9	+74.9
<b>ALUMINUM SHEET</b>				
3003H14, 36" x 96"	CWT	306.13	<b>+2.9</b>	+28.6
<b>STAINLESS-STEEL SHEET</b>				
14 gauge	CWT	282.35	+2.1	+52.0
16 gauge	CWT	279.37	+0.6	+45.0
20 gauge	CWT	267.78	<b>+0.7</b>	+43.5
<b>STAINLESS-STEEL PLATE</b>				
304, 1/4", 72" x 240"	CWT	278.15	+3.3	+34.9
316, 1/4", 96" x 140"	CWT	332.48	+0.8	+20.8
<b>STEEL PILING (H-PILE)</b>				
HP10 x 42	CWT	37.27	-0.2	+1.8

SOURCE: ENR

## PLATTS\* STEEL SPOT MARKET PRICES: DEC. 2021

Reinforcing bar, No. 5	TON	1033.00	+3.3	+48.6
Plate	TON	1895.00	+0.8	+141.1
Hot-rolled coil	TON	1634.09	-10.2	+76.0

SOURCE: \*PLATTS S&P GLOBAL REBAR SOUTHERN U.S.; PLATE PRICES U.S. SOUTHEAST AVERAGE; HOT-ROLLED COIL PRICES INDIANA

## Structural Steel, Rebar, Building Sheet, Piling For January 2022

City prices reflect quotes from single sources and can be volatile. They are not meant to be the prevailing price for a city. Data are a mix of list and transaction prices and may include ENR estimates. Do not compare prices between locations. Use city information to analyze national trends.

ITEM	UNIT	ATLANTA	BALTIMORE	BIRMINGHAM	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS	DENVER	DETROIT
<b>STANDARD STRUCTURAL SHAPES</b>											
AVERAGE	CWT	68.77	50.99	60.08	+79.39	78.14	57.68	48.18	+72.42	64.49	+141.78
CHANNEL BEAMS, 6" DEEP, 8.2 LB/LF	CWT	65.09	49.48	59.75	+75.69	73.45	77.73	49.82	67.92	60.49	+120.55
I-BEAMS, 6" DEEP, 12.5 LB/LF	CWT	73.42	56	67.29	+82.12	82.94	47.8	48.4	72.80	69.25	154.50
WIDE-FLANGE, 8" DEEP, 31 LB/LF	CWT	67.81	47.5	53.21	+80.37	+78.02	47.5	46.32	+76.54	63.74	+150.30
<b>REINFORCING BARS</b>											
GRADE 60, No. 4	CWT	61.50	+71.30	+59.86	+66.20	64.95	+70.65	+69.20	+67.18	-64.00	+70.40
<b>HOT-ROLLED CARBON-STEEL PLATE</b>											
12 GAUGE, 48" x 10'	CWT	74.68	46.12	+63.57	72.56	76.68	46.12	44.8	+75.33	75.18	+181.40
<b>BUILDING SHEET AND PLATE</b>											
ALUM. SHEET, 3003H14, 36" x 96"	CWT	272.41	173.8	+268.20	301.80	+305.72	190	186	+289.91	+301.92	+488.90
<b>STAINLESS-STEEL SHEET</b>											
14 GAUGE	CWT	225.39	166.42	+209.92	252.45	+246.84	266.54	162	230.35	261.76	+668.30
16 GAUGE	CWT	224.82	169.67	+215.45	251.32	+240.19	285.27	164	238.00	259.00	610.60
20 GAUGE	CWT	212.75	173.44	+200.89	249.61	+235.47	152	167	227.92	256.49	576.30
<b>STAINLESS-STEEL PLATE</b>											
304, 1/4", 72" x 240"	CWT	+240.68	157	197.23	236.94	244.52	154	176.76	256.00	248.90	+543.20
316, 1/4", 96" x 140"	CWT	+297.58	320	268.09	315.37	301.66	349	238	311.74	318.32	-480.72
<b>STEEL PILING: H-PILE</b>											
HP10 x 42	CWT	+34.70	44	32.62	-38.15	38.09	33.44	30.22	32.54	-38.15	30.42

ITEM	UNIT	KANSAS CITY	LOS ANGELES	MINNEAPOLIS	NEW ORLEANS	NEW YORK	PHILADELPHIA	PITTSBURGH	ST. LOUIS	SAN FRANCISCO	SEATTLE
<b>STANDARD STRUCTURAL SHAPES</b>											
AVERAGE	CWT	44.33	+142	-141.51	66.47	77.47	+77.82	52.33	44.7	176	+79.16
CHANNEL BEAMS, 6" DEEP, 8.2 LB/LF	CWT	46.82	+142	-118.40	65.05	75.30	+77.16	49.48	49	127.00	+75.68
I-BEAMS, 6" DEEP, 12.5 LB/LF	CWT	42.84	+142	-158.00	68.42	80.00	+79.51	60	43.1	211.00	+83.70
WIDE-FLANGE, 8" DEEP, 31 LB/LF	CWT	43.33	+142	-148.12	65.93	77.12	+76.80	47.5	42	190.00	+78.09
<b>REINFORCING BARS</b>											
GRADE 60, No. 4	CWT	+71.50	50	+70.88	+63.87	66.39	+68.95	71.10	+71.25	81.08	-65.31
<b>HOT-ROLLED CARBON-STEEL PLATE</b>											
12 GAUGE, 48" x 10'	CWT	43.88	+167	189.40	68.74	70.55	69.28	44	42.5	276.00	+73.55
<b>BUILDING SHEET AND PLATE</b>											
ALUM. SHEET, 3003H14, 36" x 96"	CWT	194.88	+349	+505.20	268.36	+287.89	275.45	189	183.88	797.00	293.38
<b>STAINLESS-STEEL SHEET</b>											
14 GAUGE	CWT	160.8	+432	-674.35	229.55	+251.40	224.68	166	156.25	400.60	261.42
16 GAUGE	CWT	167.1	+433	-642.50	225.17	+254.32	219.59	170	157.6	400.00	259.84
20 GAUGE	CWT	169.68	+454	-610.90	205.86	+242.74	225.15	173	175.36	401.40	245.60
<b>STAINLESS-STEEL PLATE</b>											
304, 1/4", 72" x 240"	CWT	202.1	+480	+589.24	+230.24	246.08	229.47	192	197.1	482.00	259.58
316, 1/4", 96" x 140"	CWT	234.1	+519	-506.72	+300.97	307.15	305.33	220	202	521.00	332.75
<b>STEEL PILING: H-PILE</b>											
HP10 x 42	CWT	30.42	96	30.56	-35.81	36.00	34.51	30.22	30	34.6	35.00

+ OR - DENOTES PRICE HAS RISEN OR FALLEN SINCE PREVIOUS REPORT. ALL PRICES ARE FOR WAREHOUSE OR CITY. STAINLESS-STEEL SHEET PRICES ARE FOR TYPE 304, 2B FINISH, 48 X 120-IN. STEEL PILES ARE HIGH-STRENGTH A572. SOME PRICES MAY INCLUDE TAXES OR DISCOUNTS. PRODUCT SPECIFICATIONS MAY VARY DEPENDING ON WHAT IS MOST COMMONLY USED OR MOST ACCESSIBLE IN A CITY. QUANTITIES ARE GENERALLY TRUCKLOADS.

## ENR's 20-city average cost indexes, wages and material prices. Historical data for ENR's 20 cities can be found at [ENR.com/economics](https://enr.com/economics)

**Construction Cost Index** **+8.4%**

ANNUAL INFLATION RATE **FEB. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
CONSTRUCTION COST	12683.97	+1.0%	+8.4%
COMMON LABOR	24511.71	+0.6%	+1.5%
WAGE \$/HR.	47.10	+0.6%	+1.5%

**Building Cost Index** **+14.9%**

ANNUAL INFLATION RATE **FEB. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
BUILDING COST	7457.68	+1.3%	+14.9%
SKILLED LABOR	11112.05	+0.5%	+2.9%
WAGE \$/HR.	61.37	+0.5%	+2.9%

**Materials Cost Index** **+2.2%**

MONTHLY INFLATION RATE **FEB. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
MATERIALS COST	5185.50	+2.2%	+35.2%
CEMENT \$/TON	153.72	+1.5%	+3.6%
STEEL \$/CWT	81.29	+2.3%	+43.1%
LUMBER \$/MBF	972.4	+2.4%	+28.0%

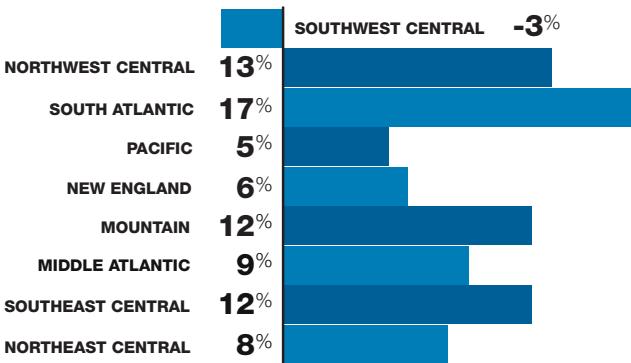
The Construction Cost Index's annual escalation rose 8.4%, while the monthly component rose 1%.

The Building Cost Index was up 14.9% on an annual basis, while the monthly component increased 1.3%.

The MCI rose 2.2% since last month, while the annual escalation rate increased 35.2%.

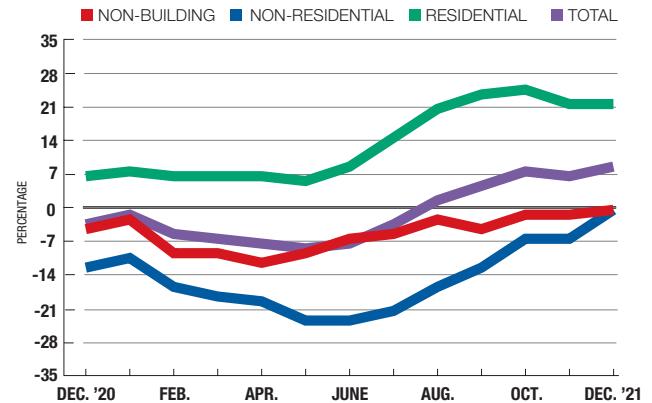
## Construction Starts Regional growth trends vs. national trends

### SOUTHEAST CENTRAL STARTS UP 12%



SOURCE: DODGE DATA & ANALYTICS. YEAR-TO-YEAR PERCENT CHANGE IN VALUE OF TOTAL PROJECTS STARTED MARCH 2021 FOR 12-MONTH ROLLING TOTALS.

### RESIDENTIAL STARTS ON THE RISE



SOURCE: DODGE DATA & ANALYTICS. YEAR-TO-YEAR PERCENT CHANGE FOR 12-MONTH ROLLING NATIONAL TOTAL STARTS.

The total dollar value of new construction starts in Kansas in September was 20.5% above September 2020's level, according to Dodge Data & Analytics. The residential sector increased 33.3%, while non-residential rose 8.6% from the same time last year. Non-building construction increased 21.4% in the same period.

KANSAS CONSTRUCTION STARTS: \$/MIL.	2021 SEPT.	2021 AUG.	2020 SEPT.	% CHG. MONTH	% CHG. YEAR
<b>TOTAL CONSTRUCTION</b>	<b>8,696,823</b>	<b>8,801,065</b>	<b>7,219,261</b>	<b>-1.2</b>	<b>+20.5</b>
<b>NON-RESIDENTIAL</b>	<b>2,850,525</b>	<b>3,017,315</b>	<b>2,624,966</b>	<b>-5.5</b>	<b>+8.6</b>
COMMERCIAL, MANUFACTURING	1,758,981	1,878,502	1,558,863	-6.4	+12.8
STORES, SHOPPING CENTERS	141,089	145,257	155,157	-2.9	-9.1
OFFICE, BANK BUILDINGS	194,368	187,766	292,714	+3.5	-33.6
HOTELS, MOTELS	25,330	43,830	85,090	-42.2	-70.2
MANUFACTURING BUILDINGS	413,482	444,707	256,485	-7.0	+61.2
INSTITUTIONAL	1,091,544	1,138,813	1,066,103	-4.2	+2.4
EDUCATIONAL BUILDINGS	553,429	595,573	495,894	-7.1	+11.6
HEALTH CARE FACILITIES	198,463	200,991	312,132	-1.3	-36.4
<b>RESIDENTIAL</b>	<b>3,024,000</b>	<b>2,939,156</b>	<b>2,269,208</b>	<b>+2.9</b>	<b>+33.3</b>
<b>NON-BUILDING</b>	<b>2,822,298</b>	<b>2,844,594</b>	<b>2,325,087</b>	<b>-0.8</b>	<b>+21.4</b>
HIGHWAYS, BRIDGES	981,563	985,124	979,312	-0.4	+0.2
ENVIRONMENTAL PUBLIC WORKS	1,097,022	1,110,363	317,311	-1.2	+245.7
POWER, UTILITIES	587,682	587,384	593,292	+0.1	-0.9

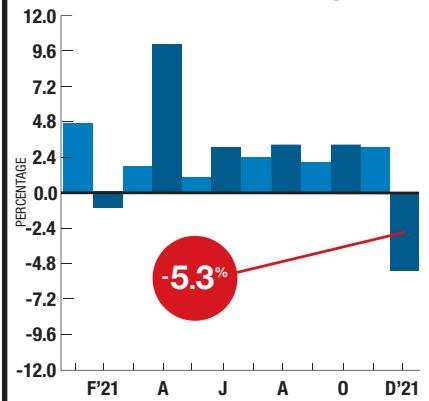
SOURCE: DODGE DATA & ANALYTICS CONSTRUCTION STARTS. TOTALS MAY NOT ADD UP DUE TO EXCLUSION OF OTHER CATEGORIES. 12-MONTH ROLLING TOTALS FOR KANSAS.

The price for aluminum sheet fell 5.3% in December after increasing 2.8% in November, according to the Bureau of Labor Statistics' producer price index. The annual index fell to 28.3%. ENR's 20-city average monthly price for aluminum sheet increased 1.6%, with yearly prices 29.9% above February 2021's level. The average price for standard structural shapes increased 41.1% from February 2021's level. The average price for standard structural shapes increased 41.1% from February 2021's prices, while monthly prices increased 0.5%. Both types of stainless-steel plate experienced monthly and yearly increases, as did all types of stainless-steel sheet.

## PRODUCER PRICE INDEX

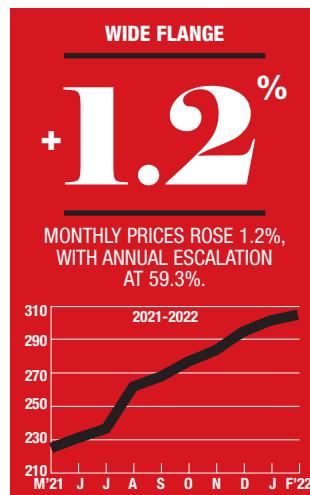
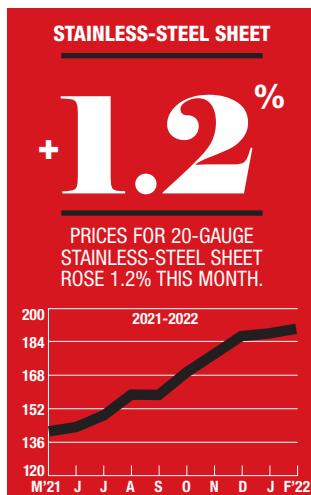
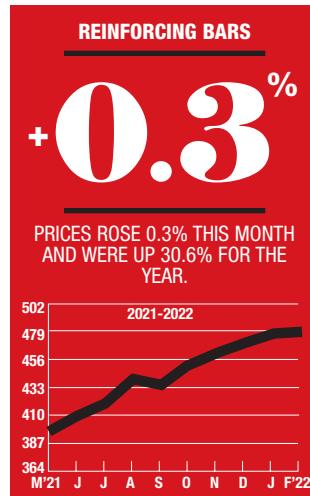
### ALUMINUM SHEET

Monthly Percent Change



SOURCE: BUREAU OF LABOR STATISTICS

## ENR's Materials Prices For February 2022



## 20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
<b>STANDARD STRUCTURAL SHAPES</b>				
Average	CWT	81.66	+0.5	+41.1
Channel beams, 6" Deep, 8.2 LB/LF	CWT	77.03	+0.8	+33.1
I-beams, 6" Deep, 12.5 LB/LF	CWT	85.48	-0.5	+41.8
Wide-flange, 8" Deep, 31 LB/LF	CWT	82.22	<b>+1.2</b>	<b>+59.3</b>
<b>REINFORCING BARS</b>				
Grade 60, No. 4	CWT	67.49	<b>+0.3</b>	<b>+30.6</b>
<b>HOT-ROLLED CARBON-STEEL PLATE</b>				
12 gauge, 48" x 10'	CWT	90.00	-0.2	+72.3
<b>ALUMINUM SHEET</b>				
3003H14, 36" x 96"	CWT	311.01	<b>+1.6</b>	<b>+29.9</b>
<b>STAINLESS-STEEL SHEET</b>				
14 gauge	CWT	283.76	+0.5	+50.4
16 gauge	CWT	280.82	+0.5	+43.9
20 gauge	CWT	270.96	<b>+1.2</b>	<b>+43.4</b>
<b>STAINLESS-STEEL PLATE</b>				
304, 1/4", 72" x 240"	CWT	281.38	+1.2	+35.2
316, 1/4", 96" x 140"	CWT	335.11	+0.8	+21.5
<b>STEEL PILING (H-PILE)</b>				
HP10 x 42	CWT	37.45	+0.5	+2.0

SOURCE: ENR

## PLATTS\* STEEL SPOT MARKET PRICES: JAN. 2021

Reinforcing bar, No. 5	TON	1035.00	+0.2	+34.2
Plate	TON	1890.00	-0.3	+93.7
Hot-rolled coil	TON	1398.00	-14.4	+29.4

SOURCE: \*PLATTS S&P GLOBAL REBAR SOUTHERN U.S.; PLATE PRICES U.S. SOUTHEAST AVERAGE; HOT-ROLLED COIL PRICES INDIANA

## Structural Steel, Rebar, Building Sheet, Piling For February 2022

City prices reflect quotes from single sources and can be volatile. They are not meant to be the prevailing price for a city. Data are a mix of list and transaction prices and may include ENR estimates. Do not compare prices between locations. Use city information to analyze national trends.

ITEM	UNIT	ATLANTA	BALTIMORE	BIRMINGHAM	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS	DENVER	DETROIT
<b>STANDARD STRUCTURAL SHAPES</b>											
AVERAGE	CWT	68.77	50.99	60.08	+80.71	+80.32	57.68	48.18	72.42	+72.95	+143.08
CHANNEL BEAMS, 6" DEEP, 8.2 LB/LF	CWT	65.09	49.48	59.75	75.69	+77.27	77.73	49.82	67.92	+65.76	120.55
I-BEAMS, 6" DEEP, 12.5 LB/LF	CWT	73.42	56	67.29	82.12	+85.54	47.8	48.4	72.80	+74.29	+158.40
WIDE-FLANGE, 8" DEEP, 31 LB/LF	CWT	67.81	47.5	53.21	+84.33	+78.15	47.5	46.32	76.54	+78.81	150.30
<b>REINFORCING BARS</b>											
GRADE 60, No. 4	CWT	61.50	71.30	59.86	+68.08	64.95	-70.10	-68.60	67.18	+65.20	-69.90
<b>HOT-ROLLED CARBON-STEEL PLATE</b>											
12 GAUGE, 48" x 10'	CWT	+80.79	46.12	63.57	+81.26	76.68	46.12	44.8	+82.36	-71.52	181.40
<b>BUILDING SHEET AND PLATE</b>											
ALUM. SHEET, 3003H14, 36" x 96"	CWT	+291.45	173.8	268.20	301.80	305.72	190	186	+310.63	301.92	+512.44
<b>STAINLESS-STEEL SHEET</b>											
14 GAUGE	CWT	+248.30	166.42	209.92	252.45	246.84	266.54	162	+254.28	261.76	-645.20
16 GAUGE	CWT	+231.58	169.67	215.45	251.32	240.19	285.27	164	+251.31	259.00	-604.30
20 GAUGE	CWT	212.75	173.44	200.89	249.61	235.47	152	167	+237.92	256.49	+590.40
<b>STAINLESS-STEEL PLATE</b>											
304, ¼", 72" x 240"	CWT	240.68	157	+210.41	236.94	+265.35	154	176.76	+261.59	248.90	+556.30
316, ¼", 96" x 140"	CWT	297.58	320	+279.80	315.37	+326.20	349	238	+332.45	318.32	480.72
<b>STEEL PILING: H-PILE</b>											
HP10 x 42	CWT	34.70	44	-31.02	38.15	38.09	33.44	30.22	+35.20	38.15	30.42

ITEM	UNIT	KANSAS CITY	LOS ANGELES	MINNEAPOLIS	NEW ORLEANS	NEW YORK	PHILADELPHIA	PITTSBURGH	ST. LOUIS	SAN FRANCISCO	SEATTLE
<b>STANDARD STRUCTURAL SHAPES</b>											
AVERAGE	CWT	44.33	142	+144.48	-64.42	+78.44	77.82	52.33	44.7	-168.33	79.16
CHANNEL BEAMS, 6" DEEP, 8.2 LB/LF	CWT	46.82	142	+122.10	-62.15	75.30	77.16	49.48	49	+129.00	75.68
I-BEAMS, 6" DEEP, 12.5 LB/LF	CWT	42.84	142	+163.22	-67.32	80.00	79.51	60	43.1	-186.00	83.70
WIDE-FLANGE, 8" DEEP, 31 LB/LF	CWT	43.33	142	148.12	-63.78	+80.02	76.80	47.5	42	190.00	78.09
<b>REINFORCING BARS</b>											
GRADE 60, No. 4	CWT	-70.70	50	+71.13	+68.00	66.39	68.95	71.10	-70.50	81.08	65.31
<b>HOT-ROLLED CARBON-STEEL PLATE</b>											
12 GAUGE, 48" x 10'	CWT	43.88	167	189.40	-65.87	70.55	+71.73	44	42.5	-255.00	73.55
<b>BUILDING SHEET AND PLATE</b>											
ALUM. SHEET, 3003H14, 36" x 96"	CWT	194.88	349	+524.62	268.36	287.89	+290.20	189	183.88	797.00	293.38
<b>STAINLESS-STEEL SHEET</b>											
14 GAUGE	CWT	160.8	432	-639.07	229.55	251.40	+245.67	166	156.25	400.60	+280.11
16 GAUGE	CWT	167.1	433	-610.85	225.17	254.32	+238.95	170	157.6	400.00	+275.24
20 GAUGE	CWT	169.68	454	610.90	205.86	242.74	+227.81	173	175.36	401.40	+263.60
<b>STAINLESS-STEEL PLATE</b>											
304, ¼", 72" x 240"	CWT	202.1	480	589.24	230.24	+257.90	229.47	192	197.1	482.00	259.58
316, ¼", 96" x 140"	CWT	234.1	519	-490.10	300.97	+319.52	305.33	220	202	521.00	332.75
<b>STEEL PILING: H-PILE</b>											
HP10 x 42	CWT	30.42	96	30.56	35.81	+38.39	34.51	30.22	30	34.6	35.00

+ OR - DENOTES PRICE HAS RISEN OR FALLEN SINCE PREVIOUS REPORT. ALL PRICES ARE FOR WAREHOUSE OR CITY. STAINLESS-STEEL SHEET PRICES ARE FOR TYPE 304, 2B FINISH, 48 X 120-IN. STEEL PILES ARE HIGH-STRENGTH A572. SOME PRICES MAY INCLUDE TAXES OR DISCOUNTS. PRODUCT SPECIFICATIONS MAY VARY DEPENDING ON WHAT IS MOST COMMONLY USED OR MOST ACCESSIBLE IN A CITY. QUANTITIES ARE GENERALLY TRUCKLOADS.

## ENR's 20-city average cost indexes, wages and material prices. Historical data for ENR's 20 cities can be found at [ENR.com/economics](https://enr.com/economics)

### Construction Cost Index

**+8.9%**

ANNUAL INFLATION RATE

**MAR. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
CONSTRUCTION COST	12791.43	+0.8%	+8.9%
COMMON LABOR	24511.71	0.0%	+1.5%
WAGE \$/HR.	47.10	0.0%	+1.5%

### Building Cost Index

**+15.6%**

ANNUAL INFLATION RATE

**MAR. 2022**

1913=100	INDEX VALUE	MONTH	YEAR
BUILDING COST	7565.14	+1.4%	+15.6%
SKILLED LABOR	11112.05	0.0%	+2.9%
WAGE \$/HR.	61.37	0.0%	+2.9%

### Materials Cost Index

**+3.3%**

MONTHLY INFLATION RATE

**MAR. 2022**

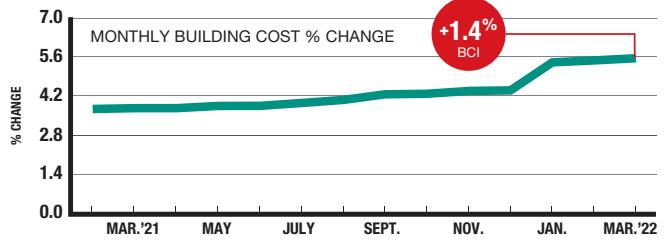
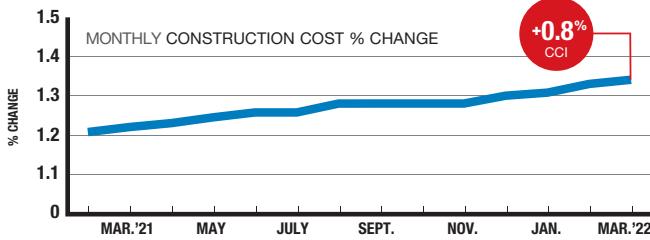
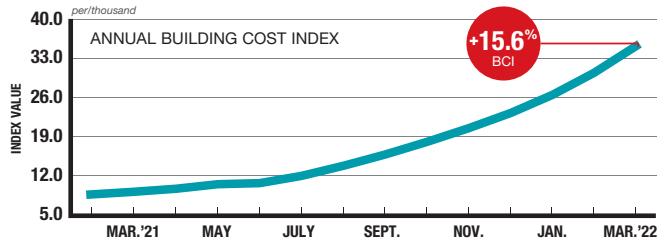
1913=100	INDEX VALUE	MONTH	YEAR
MATERIALS COST	5356.62	+3.3%	+36.8%
CEMENT \$/TON	155.31	+1.0%	+3.8%
STEEL \$/CWT	81.66	+0.5%	+41.1%
LUMBER \$/MBF	1061.03	+9.1%	+35.9%

The Construction Cost Index's annual escalation rose 8.9%, while the monthly component rose 0.8%.

The Building Cost Index was up 15.6% on an annual basis, while the monthly component increased 1.4%.

The MCI rose 3.3% since last month, while the annual escalation rate increased 36.8%.

## Inflation's Pulse Year-to-year and monthly percent changes for ENR's cost indexes



SOURCE: ENR

## Cost Index Review

BASE YEAR	CONSTRUCTION		BUILDING		SKILLED WAGES		COMMON WAGES		
	1913	1967	1913	1967	1913	1967	1913	1967	
2021	Feb.	11698.80	1089.11	6493.19	961.11	10797.45	1058.78	24157.25	1165.88
	Mar.	11749.75	1093.85	6545.22	968.81	10800.69	1059.05	24157.25	1165.88
	Apr.	11849.31	1103.12	6612.50	978.77	10805.01	1059.49	24253.88	1170.25
	May	11989.91	1116.21	6754.51	999.79	10805.01	1059.49	24253.88	1170.25
	June	12112.05	1127.58	6876.96	1017.91	10815.82	1060.41	24256.31	1170.40
	July	12237.69	1139.28	7006.95	1037.15	10826.64	1061.48	24256.31	1170.40
	Aug.	12463.13	1160.26	7201.88	1066.01	10848.29	1063.55	24353.34	1175.33
	Sept.	12464.55	1160.40	7214.29	1067.84	10880.83	1066.67	24355.78	1175.39
	Oct.	12464.94	1160.43	7244.90	1072.38	10978.76	1075.78	24355.78	1175.39
	Nov.	12467.32	1160.65	7255.67	1073.97	11000.72	1078.06	24355.78	1175.39
Dec.	12481.82	1162.00	7289.50	1078.98	11055.72	1083.53	24355.78	1175.39	
2022	Jan.	12555.55	1168.87	7359.09	1089.28	11055.72	1083.53	24365.52	1175.83
	Feb.	12683.97	1180.82	7457.68	1103.87	11112.05	1090.40	24511.71	1182.52
	Mar.	12791.43	1190.83	7565.14	1119.78	11112.05	1090.40	24511.71	1182.52

### INFLATION

**+1.5%**

### Common Labor Index

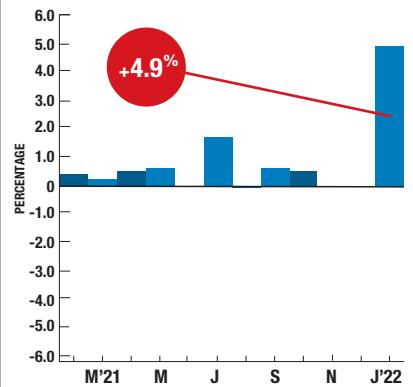
ANNUAL ESCALATION FOR COMMON LABOR REACHED 1.5% IN MARCH WHILE SKILLED LABOR EXPERIENCED A 2.9% ESCALATION IN THE SAME PERIOD.

**Cement prices rose 4.9% in January following a 0.2% increase in December**, according to the Bureau of Labor Statistics' producer price index. Annual escalation for the index sits at 9.1%. ENR's 20-city average monthly price for masonry cement increased 1.5% in March, with a yearly rise of 2.8%. All types of asphalt paving experienced increases since March 2021, while all types of crushed stone had both monthly and yearly boosts. Prices for masonry sand rose 0.2% since February, with an increase of 16% since March of last year.

## PRODUCER PRICE INDEX

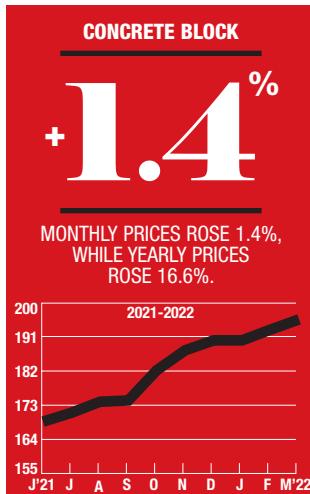
### CEMENT

Monthly Percent Change



SOURCE: BUREAU OF LABOR STATISTICS

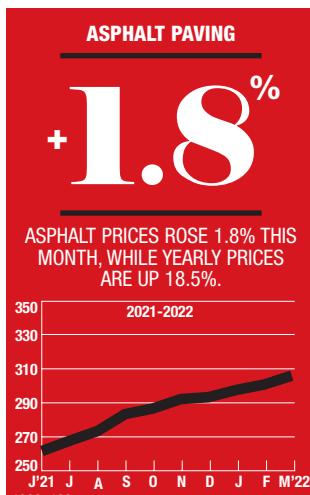
## ENR's Materials Prices For March 2022



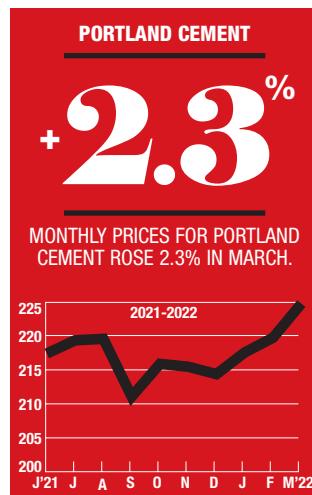
1992=100



1992=100



1992=100



1992=100

## 20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
<b>ASPHALT PAVING</b>				
PG 58	TON	484.43	<b>+1.8</b>	+18.5
Cutback, MC800	TON	394.06	+1.2	+6.7
Emulsion, RAPID SET	TON	366.42	+0.6	+3.7
Emulsion, SLOW SET	TON	381.77	+0.6	+4.7
<b>PORTLAND CEMENT</b>				
Type one	TON	158.90	<b>+2.3</b>	+5.2
<b>MASONRY CEMENT</b>				
70-lb bag	TON	11.30	+1.5	+2.8
<b>CRUSHED STONE</b>				
Base course	TON	15.37	+0.3	+22.3
Concrete course	TON	15.59	+1.8	+32.8
Asphalt course	TON	16.52	+1.1	+19.7
<b>SAND</b>				
Concrete	TON	14.30	+1.3	+35.4
Masonry	TON	14.56	+0.2	+16.0
<b>READY-MIX CONCRETE</b>				
3,000 psi	CY	138.91	<b>+1.6</b>	+9.7
4,000 psi	CY	147.84	+1.1	+4.4
5,000 psi	CY	185.37	+1.0	-1.7
<b>CONCRETE BLOCK</b>				
Normal weight: 8" x 8" x 16"	C	184.64	<b>+1.4</b>	+16.6
Lightweight: 8" x 8" x 16"	C	172.55	+1.4	+8.1
12" x 8" x 16"	C	266.74	+1.6	+45.8

SOURCE: ENR

## Asphalt, Cement, Aggregate, Concrete, Block For March 2022

City prices reflect quotes from single sources and can be volatile. They are not meant to be the prevailing price for a city. Data are a mix of list and transaction prices and may include ENR estimates. Do not compare prices between locations. Use city information to analyze national trends.

ITEM	UNIT	ATLANTA	BALTIMORE	BIRMINGHAM	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS	DENVER	DETROIT
<b>ASPHALT PAVING</b>											
PG 58	TON	450.26	+551	+445.95	475.48	476.64	+492	+495	+503.36	+467.85	+515
CUTBACK, MC800	TON	398.8	—	+393.74	437.91	385.15	—	378	+405.00	+392.54	388
EMULSION, RAPID SET	TON	362.56	—	+346.48	396.55	380.27	—	369	379.09	+379.72	355.5
EMULSION, SLOW SET	TON	380.19	—	+375.36	428.83	388.91	—	388	412.40	+403.18	411
<b>PORTLAND CEMENT</b>											
TYPE ONE	TON	+159.82	+168.82	140.11	165.52	+157.65	-142.34	+144.10	+168.33	162.50	147.66
<b>MASONRY CEMENT</b>											
70-LB BAG	TON	+12.91	-10.87	10.70	11.33	-11.82	+12.37	-10.28	+11.69	11.02	11.78
<b>CRUSHED STONE</b>											
BASE COURSE	TON	+12.02	12.25	10.69	13.85	14.37	12.75	13.00	13.90	14.26	+12.40
CONCRETE COURSE	TON	+13.76	14.15	10.90	13.69	12.98	11.45	+10.70	13.71	13.89	+11.10
ASPHALT COURSE	TON	+13.98	14.35	12.78	15.00	13.12	—	12.10	15.64	14.90	+12.65
<b>SAND</b>											
CONCRETE	TON	+10.83	14.60	10.02	12.97	10.69	12.00	12.45	11.78	10.62	+12.80
MASONRY	TON	+13.25	16.50	11.88	14.36	12.51	14.25	14.5	14.02	12.58	14.10
<b>READY-MIX CONCRETE</b>											
3,000 PSI	CY	133.81	+138.12	121.67	+148.90	+145.72	+134.16	129.40	140.37	146.74	+130.80
4,000 PSI	CY	142.30	+144.10	135.22	+170.38	+142.05	136	138.0	149.22	152.10	140.5
5,000 PSI	CY	178.75	174.80	160.51	+210.62	+196.41	172	177.3	188.65	205.71	178.10
<b>CONCRETE BLOCK</b>											
NORMAL WEIGHT: 8" x 8" x 16"	C	185.87	-189.00	155.40	+185.22	178.93	-181	-197	193.54	175.28	+180.00
LIGHTWEIGHT: 8" x 8" x 16"	C	170.65	172.00	148.94	+179.51	168.45	-144	178	169.09	183.5	+157
12" x 8" x 16"	C	225.53	321.00	189.16	+242.35	238.17	340	343	240.25	202.1	234

ITEM	UNIT	KANSAS CITY	LOS ANGELES	MINNEAPOLIS	NEW ORLEANS	NEW YORK	PHILADELPHIA	PITTSBURGH	ST. LOUIS	SAN FRANCISCO	SEATTLE
<b>ASPHALT PAVING</b>											
PG 58	TON	+524	370	+520	442.38	475.45	471.90	-528	+531	—	468.86
CUTBACK, MC800	TON	342	380	378	379.02	382.73	396.21	377.04	388.5	+457	433.52
EMULSION, RAPID SET	TON	322	350	328	365.45	373.89	358.56	314.2	378	+442	394.30
EMULSION, SLOW SET	TON	338	325	312.7	372.53	385.62	372.33	314.2	404	+442	417.61
<b>PORTLAND CEMENT</b>											
TYPE ONE	TON	125.32	+250.30	-140.74	+153.62	+163.10	159.82	162.10	-155.34	155	155.71
<b>MASONRY CEMENT</b>											
70-LB BAG	TON	9.88	+6.95	+10.90	11.18	+11.45	11.36	10.98	13.88	12.97	+11.60
<b>CRUSHED STONE</b>											
BASE COURSE	TON	11.50	34	12.10	11.44	13.62	13.41	12.2	11.70	44.75	+12.97
CONCRETE COURSE	TON	16.4	39.97	10.10	11.08	12.37	12.92	11.25	+10.45	48.65	+12.31
ASPHALT COURSE	TON	16.4	39.97	+10.10	14.45	14.89	15.70	10.60	+11.20	42.65	+13.48
<b>SAND</b>											
CONCRETE	TON	11.35	29.15	+12.95	-12.06	+11.48	11.91	11.90	+12.10	40.75	+13.56
MASONRY	TON	14.40	10.56	13.50	-13.49	+13.03	14.28	13.80	13.15	32.93	+14.15
<b>READY-MIX CONCRETE</b>											
3,000 PSI	CY	+136.30	+174.69	-126.68	140.66	128.80	+140.59	-132.10	143.20	165	131.83
4,000 PSI	CY	+143.10	+180.68	137.60	148.72	145.61	+147.45	-138.40	140.90	172	150.26
5,000 PSI	CY	182.50	+196.39	179.00	196.05	186.46	+195.33	-176.60	197.00	177	194.94
<b>CONCRETE BLOCK</b>											
NORMAL WEIGHT: 8" x 8" x 16"	C	+198.00	+176	+167	181.42	169.98	+181.08	196	190	217	188.00
LIGHTWEIGHT: 8" x 8" x 16"	C	+170	+163	+141	173.87	180.52	+177.12	170	168	257	179.36
12" x 8" x 16"	C	338	+394	181	229.25	246.02	+259.34	225	218	400	267.58

+ OR - DENOTES PRICE HAS RISEN OR FALLEN SINCE PREVIOUS REPORT. QUOTES ARE DELIVERED PRICES FOR PORTLAND AND MASONRY CEMENT, CONCRETE BLOCK AND READY-MIX CONCRETE. PRICES FOR CRUSHED STONE AND SAND ARE FOB PLANT. SOME PRICES MAY INCLUDE TAXES OR DISCOUNTS. FURTHER PRODUCT SPECIFICATIONS INCLUDE RAPID-SET EMULSION, CRS2; SLOW-SET EMULSION, CSS1H; BASE COURSE, 1½" DOWN TO DUST, UNWASHED; CONCRETE COURSE, 1½" THROUGH #4, WASHED; ASPHALT COURSE, ½" THROUGH #4, UNWASHED; CONCRETE SAND, 2NS MEDIUM CLEAN; MASONRY SAND, 2NS FINE CLEAN; CONCRETE BLOCK, 2 CORE. QUANTITIES ARE GENERALLY TRUCKLOADS.



**City of Campbell**  
**Campbell Police Operations Building**  
Campbell, CA

65% Construction Documents Cost Estimate  
January 7, 2022

**Prepared for LPA Design Studios, Inc.**

## INTRODUCTION

### BASIS OF ESTIMATE

This Cost Estimate is based upon 65% Construction Documents drawings dated 12/15/2021, prepared by LPA Design Studios, Inc., along with verbal and written guidance from the design / engineering team.

### ESTIMATE MARK UPS

The following markups are included in this estimate:

1) General Conditions	9.00%
2) Overhead and Profit (OH&P)	4.00%
3) Bonds & Insurance	2.40%
4) Design Contingency	2.50%
5) Phasing / Occupancy Premium	4.00% Only at existing PD building
6) Escalation to MOC, 04/29/23	6.61%

### EXCLUSIONS

The following items are excluded in this estimate.

- 1) Professional fees, inspections and testing.
- 2) Escalation beyond midpoint of construction. The anticipated construction start is Dec 2022, with a 16 month schedule.
- 3) FF and E, unless specifically referenced in this estimate. Refer to FFE Budget schedule included in the drawing package..
- 4) Plan check fees and building permit fees.
- 5) Construction/Owner's contingency costs.
- 6) Construction management fees.
- 7) Soft costs.
- 8) Off-site work
- 9) Night time and weekends work.
- 10) Interim housing.
- 11) Accelerated construction schedule.
- 12) Emergency DAS system.

### ITEMS AFFECTING COST ESTIMATE

Items that may change the estimated construction cost may include but are not limited to the following:

- 1) Unforeseen sub-surface condition.
- 2) Any changes to the scope of work not included in this report. We recommend updating the estimate to capture the value of any changes.
- 3) Sole source procurement.
- 4) Any changes or delay from the projected construction schedule.

### CLARIFICATIONS

- 1) This estimate is based on the assumption of a competitive bid environment by a minimum of four at the General Contractor and the Subcontractor level.
- 2) This estimate assumes the use of prevailing wages. The estimate does not include a PLA or CSWPA.
- 3) This estimate assumes design-bid-build delivery method.
- 4) This estimate does not include the prequalification process for the General Contractor and Subcontractor. If prequalification will be required and implemented, this will have a cost impact on the project.

**CONSTRUCTION COST SUMMARY**

Base Scope Elements	Area	Cost / SF	Total
NEW CAMPBELL POLICE OPERATIONS BUILDING	24,087 SF	\$596.96	\$14,378,991
EXISTING POLICE DEPARTMENT RENOVATION	6,780 SF	\$305.57	\$2,071,768
SITework	63,839 SF	\$69.91	\$4,463,250
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>			<b>\$20,914,009</b>

**ADDITIONAL DEDUCTIVE ALTERNATES:**

ALT #2: TRASH ENCLOSURE	(\$174,333)
ALT #4: DOUBLE STOREFRONT DOOR IN LIEU OF SLIDING DOORS WITH BREAKAWAY PANEL	(\$12,219)
ALT #5: USE CL-1 (2'-0" X 4'-0" SUSPENDED ACOUSTIC TILE) IN LIEU OF CL-2 (HIGH NRC ACOUSTIC TILES)	(\$4,457)

**ADD ALTERNATES:**

ALT #1: PROVIDE ALUM. COMPOSITE METAL PANEL FAÇADE IN LIEU OF POLYMER MODIFIED PLASTER WITH INTEGRAL COLOR	\$240,504
ALT #2: PV CANOPIES IN THE PARKING LOT (INFRASTRUCTURE STILL INCLUDED)	\$1,419,982
ALT #5: CMU WALL VS BOARD FORM CONCRETE	\$118,158
ALT #6: CANOPY OVER PARKING SPACE	\$38,295

**Main CSI Summary**

Element	Total	
01 General Requirements	Included in General Conditions	
02 Existing Conditions	\$247,167	\$10.26
03 Concrete	\$1,052,505	\$43.70
04 Masonry	\$600,267	\$24.92
05 Metals	\$1,598,084	\$66.35
06 Woods, Plastics, and Composites	\$115,272	\$4.79
07 Thermal and Moisture Protection	\$742,952	\$30.84
08 Openings	\$1,040,382	\$43.19
09 Finishes	\$2,534,533	\$105.22
10 Specialties	\$102,294	\$4.25
11 Equipment		
12 Furnishings	\$7,964	\$0.33
13 Special Construction		
14 Conveying Equipment	\$154,440	\$6.41
21 Fire Suppression	\$199,101	\$8.27
22 Plumbing	\$754,939	\$31.34
23 Heating, Ventilating, and Air Conditioning (HVAC)	\$1,686,736	\$70.03
26 Electrical	\$2,396,909	\$99.51
27 Communications	\$245,004	\$10.17
28 Electronic Safety and Security	\$276,939	\$11.50
31 Earthwork	\$181,102	\$7.52
32 Exterior Improvements	\$1,923,304	\$79.85
33 Utilities	\$539,244	\$22.39
34 Transportation	\$25,000	\$1.04
41 Material Processing and Handling Equipment		
44 Pollution and Waste Control Equipment		
46 Water and Waste Water Equipment		
48 Electric Power Generation		
Subtotal	\$16,424,139	\$681.87
General Conditions	9.00%	\$1,478,173
Subtotal	\$17,902,312	\$743.24
Overhead and Profit (OH&P)	4.00%	\$716,092
Subtotal	\$18,618,404	\$772.96
Bonds & Insurance	2.40%	\$446,842
Subtotal	\$19,065,246	\$791.52
Design Contingency	2.50%	\$476,631
Subtotal	\$19,541,877	\$811.30
Phasing / Occupancy Premium	4.00%	\$74,740
Subtotal	\$19,616,617	\$814.41
Escalation to MOC, 04/29/23	6.61%	\$1,297,392

*Main CSI Summary*

Element	Total	
TOTAL ESTIMATED CONSTRUCTION COST	\$20,914,009	\$868.27

**New Campbell Police Operations Building**

***New Campbell Police Operations Building Summary***

Element	Gross Floor Area	24,087 SF	Total	Cost/SF
01	General Requirements		Included in General Conditions	
02	Existing Conditions			
03	Concrete		\$1,013,486	\$42.08
04	Masonry		\$593,027	\$24.62
05	Metals		\$1,523,939	\$63.27
06	Woods, Plastics, and Composites		\$101,526	\$4.21
07	Thermal and Moisture Protection		\$684,262	\$28.41
08	Openings		\$942,413	\$39.13
09	Finishes		\$2,080,538	\$86.38
10	Specialties		\$71,649	\$2.97
11	Equipment			
12	Furnishings		\$7,964	\$0.33
13	Special Construction			
14	Conveying Equipment		\$154,440	\$6.41
21	Fire Suppression		\$199,101	\$8.27
22	Plumbing		\$588,231	\$24.42
23	Heating, Ventilating, and Air Conditioning (HVAC)		\$1,475,920	\$61.27
26	Electrical		\$1,476,534	\$61.30
27	Communications		\$170,117	\$7.06
28	Electronic Safety and Security		\$232,117	\$9.64
31	Earthwork		\$19,997	\$0.83
48	Electric Power Generation			
	Subtotal		<b>\$11,335,262</b>	<b>\$470.60</b>
	General Conditions	9.00%	<b>\$1,020,174</b>	<b>\$42.35</b>
	Subtotal		<b>\$12,355,436</b>	<b>\$512.95</b>
	Overhead and Profit (OH&P)	4.00%	<b>\$494,217</b>	<b>\$20.52</b>
	Subtotal		<b>\$12,849,653</b>	<b>\$533.47</b>
	Bonds & Insurance	2.40%	<b>\$308,392</b>	<b>\$12.80</b>
	Subtotal		<b>\$13,158,045</b>	<b>\$546.27</b>
	Design Contingency	2.50%	<b>\$328,951</b>	<b>\$13.66</b>
	Subtotal		<b>\$13,486,996</b>	<b>\$559.93</b>
	Escalation to MOC, 04/29/23	6.61%	<b>\$891,995</b>	<b>\$37.03</b>
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>			<b>\$14,378,991</b>	<b>\$596.96</b>

**Campbell Police Operations Building**  
**New Campbell Police Operations Building**  
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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
<b>03 Concrete</b>				
Construction layout, 2 person crew	3	day	\$2,436.74	\$7,310
Spread footings				
Concrete, 4000 psi	45	cy	\$252.76	\$11,399
Concrete placement	45	cy	\$50.43	\$2,274
Formwork	606	sf	\$14.41	\$8,733
Reinforcement	5,638	lbs	\$2.15	\$12,131
Excavation	79	cy	\$23.86	\$1,883
Backfill, common material	34	cy	\$8.80	\$298
Haul excess	45	cy	\$22.01	\$993
Continuous footing				
Concrete, 4000 psi	150	cy	\$252.76	\$37,813
Concrete placement	150	cy	\$47.08	\$7,044
Formwork	1,394	sf	\$15.61	\$21,766
Reinforcement	53,856	lbs	\$2.15	\$115,891
Excavation	281	cy	\$23.86	\$6,692
Backfill	131	cy	\$8.80	\$1,151
Haul excess	150	cy	\$22.01	\$3,293
Grade beam				
Concrete, 4000 psi	468	cy	\$252.76	\$118,165
Concrete placement	468	cy	\$42.03	\$19,649
Formwork	2,093	sf	\$15.17	\$31,756
Reinforcement	93,500	lbs	\$2.15	\$201,200
Excavation	678	cy	\$23.86	\$16,172
Backfill	210	cy	\$8.80	\$1,850
Haul excess	468	cy	\$22.01	\$10,292
Slab on grade, 5" thick				
Concrete, 4000 psi	250	cy	\$252.76	\$63,114
Concrete placement	250	cy	\$58.01	\$14,485
Edge formwork	527	lf	\$8.96	\$4,722
Sand base - 4"	14,687	sf	\$1.91	\$27,979
Gravel sub base - 4"	14,687	sf	\$1.48	\$21,741
Reinforcing steel	24,828	lb	\$2.15	\$53,502
Finish to slab	14,687	sf	\$1.00	\$14,678
Vapor barrier	14,687	sf	\$0.49	\$7,265
Add for thickened edges	16	cy	\$310.77	\$5,004
Premium for slab depressions	2,950	sf	\$5.21	\$15,355

**Campbell Police Operations Building**  
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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Floor deck concrete fill				
3-1/4" thick lightweight concrete deck topping, incl. reinforcing, second floor	14,901	sf	\$6.39	\$95,212
Finish to slab	14,901	sf	\$0.90	\$13,340
Depressed slab form	75	lf	\$15.62	\$1,171
Miscellaneous				
Concrete bench, 2'-0" wide x 18" high, at holding cells	46	lf	\$171.77	\$7,901
Elevator pit including waterproofing	1	ea	\$18,217.50	\$18,218
Miscellaneous concrete	24,087	sf	\$0.50	\$12,044
			<b>Subtotal - Concrete</b>	<b><u>\$1,013,486</u></b>

**04 Masonry**

Reinforced CMU walls, fully grouted				
Exterior, burnished, 12" thick	1,799	sf	\$49.08	\$88,300
Exterior, burnished, 8" thick, exterior	6,728	sf	\$42.03	\$282,810
Interior	2,310	sf	\$42.03	\$97,100
Lintels, embeds and detailing, etc.	10,837	sf	\$3.38	\$36,664
Recess framed opening for side arm locker, allowance	1	ea	\$450.00	\$450
Scaffolding including erection, dismantle and rental	10,837	sf	\$8.09	\$87,703
			<b>Subtotal - Masonry</b>	<b><u>\$593,027</u></b>

**05 Metals**

Structural steel				
Braced framed columns and beams	26.22	tn	\$6,081.21	\$159,449
Floor framing	55.94	tn	\$6,081.21	\$340,183
Roof framing	29.94	tn	\$6,081.21	\$182,072
Steel column	9.38	tn	\$6,081.21	\$57,042
Buckling restrained brace frame, BRBF	18.00	ea	\$8,779.39	\$158,029
Miscellaneous bolts and connections	24	tn	\$7,760.32	\$188,545
Steel decking				
Floor decking, 3" x 20 ga	14,901	sf	\$10.67	\$158,984
Roof decking, 1-1/2" x 16 ga	9,673	sf	\$8.33	\$80,557
Deck edging	1,118	lf	\$15.14	\$16,926
Shear studs, allowance	931	ea	\$7.16	\$6,670

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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Stairs including rail				
Metal pan landing, concrete infill not included	85	sf	\$216.16	\$18,373
Metal pan stair tread with picket rail, 4'-6" W, concrete infill not included	56	ea	\$1,305.81	\$73,125
Handrail	133	lf	\$78.08	\$10,384
Metal pan landing concrete infill	85	sf	\$10.15	\$863
Metal pan stair tread concrete infill	56	sf	\$40.60	\$2,274
Miscellaneous metal fabrication and supports				
Aluminum clad canopy over HSS steel frame	420	sf	\$130.13	\$54,653
Chain-link fence divider, 15'-0" H	12	lf	\$156.15	\$1,874
Wall mounted steel access roof ladder	1	ea	\$1,893.87	\$1,894
Miscellaneous metal fabrication and supports, allowance	24,087	gsf	\$0.50	\$12,044

***Subtotal - Metals***      **\$1,523,939**

**06 Woods, Plastics, and Composites**

Building casework				
Fiberglass planter, wall area, allowance	251	sf		FF&E
Base cabinet with solid surface top	65	lf	\$516.63	\$33,581
Transaction counter with dip tray, 2 tier	34	lf	\$468.45	\$15,927
Vanity counter, solid surface	35	lf	\$255.05	\$8,927
Wall cabinet	13	lf	\$189.35	\$2,462
Cantilevered worktop with solid surface countertop	66	lf	\$223.82	\$14,772
Millwork				
Decorative wall cap	65	lf	\$78.08	\$5,075
Sheathing				
Fire rated plywood, 3/4" thick	2,340	sf	\$5.28	\$12,353
Miscellaneous rough carpentry and blocking, allowance	24,087	gsf	\$0.35	\$8,430

***Subtotal - Woods, Plastics, and Composites***      **\$101,526**

**07 Thermal and Moisture Protection**

Fireproofing, not required				
Fireproofing to structural steel	146	tn		Excluded
Fireproofing to underside of metal deck	24,574	sf		Excluded

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***New Campbell Police Operations Building Detail Elements***

<b>Element</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total</b>
Roofing system				
TPO single ply roof membrane	15,015	sf	\$4.58	\$68,836
Back of parapet	3,907	sf	\$4.09	\$15,992
Roof ballast, allow 2" thick	24	ton	\$244.56	\$5,952
Roof insulation				
Rigid roof insulation, polyisocyanurate, 5" thick	15,015	sf	\$4.96	\$74,517
Tapered insulation	2,988	sf	\$5.99	\$17,893
Cover board, 1/4" thick	15,015	sf	\$1.42	\$21,373
Roof paver				
Concrete paver on pedestal	1,425	sf	\$19.85	\$28,288
Damproofing / waterproofing / air barrier				
Water barrier sheet	11,632	sf	\$6.10	\$70,977
Wall and ceiling insulation				
Exterior, sound batt insulation, unbacked	11,632	sf	\$1.41	\$16,429
Exterior, 1" rigid insulation	8,060	sf	\$2.20	\$17,698
Interior, sound batt insulation, 2-1/2" thick, unbacked	17,115	sf	\$1.08	\$18,508
Interior, sound batt insulation, 3-1/2" thick, unbacked	27,718	sf	\$1.25	\$34,562
Interior, sound batt insulation, 5-1/2" thick, unbacked	1,395	sf	\$1.70	\$2,371
Spray-applied thermal and acoustical insulation	1,270	sf	\$2.84	\$3,602
Exterior wall finishes				
Aluminum composite metal panel including sub framing	325	sf	\$62.46	\$20,300
Plaster reveal	1,287	lf	\$6.77	\$8,708
Exterior ceiling finishes				
Plastered ceiling including framing and insulation	1,183	sf	\$30.83	\$36,472
ACM panel soffit @ canopy	420	sf	\$67.67	\$28,419
Sheet metal				
Parapet coping, 12" wide	799	lf	\$29.67	\$23,705
Parapet coping, 36" wide including framing	80	lf	\$108.26	\$8,661
Base flashing and counter flashing	1,321	lf	\$26.03	\$34,379
Sheet metal, allowance	24,087	sf	\$0.50	\$12,044
Miscellaneous				
36" x 36" roof access hatch	1	ea	\$3,137.67	\$3,138
Acoustic wall sealant with backer rod	8,548	lf	\$5.23	\$44,709
Firestop and sealant	736	lf	\$8.85	\$6,512
Miscellaneous caulking and sealants, allowance	24,087	gsf	\$2.50	\$60,218

***Subtotal - Thermal and Moisture Protection***      **\$684,262**

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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
<b>08 Openings</b>				
Exterior glazing				
Storefront window and wall system, 1" insulated glass with low E coating, tinted color outside	2,469	sf	\$139.51	\$344,451
Storefront window and wall system, spandrel panel	57	sf	\$142.10	\$8,100
Aluminum frames insulated window	54	sf	\$81.35	\$4,393
Exterior doors				
Multi-sliding glass door, 15'-10" W x 9'-11" opening	1	ea	\$22,308.46	\$22,308
Automatic sliding door with breakaway panel, 7'-9" W x 9'-0" H	3	ea	\$21,596.23	\$64,789
Sliding door with breakaway panel, 7'-10" W x 8'-0" H	2	ea	\$8,882.73	\$17,765
Storefront door including hardware, pair	1	pr	\$7,293.54	\$7,294
Insulated HM door and frame including hardware, single	4	ea	\$2,411.63	\$9,647
HM door and frame including hardware, single with vision glass, detention grade	3	ea	\$5,180.50	\$15,542
Premiums				
Door premium for increase security door, frame and hardware assembly, allowance	3	ea	\$3,123.00	\$9,369
Panic hardware, per leaf	3	ea	\$1,087.22	\$3,262
Louver/vent	21	sf	\$96.29	\$2,022
Skylights				
Solatube, daylighting device, 2'-0" Ø	5	ea	\$2,758.65	\$13,793
Interior glazing and doors				
Interior storefront wall system	967	sf	\$85.88	\$83,048
Clerestory window	45	sf	\$78.08	\$3,513
Ballistic rated glazing, level 3	160	sf	\$279.34	\$44,695
Premium for sound reduction, allowance	967	sf	\$21.14	\$20,445
Interior doors				
HM door and frame including hardware, single	3	ea	\$2,151.13	\$6,453
HM door and frame including hardware, single with glass panel	1	ea	\$2,515.48	\$2,515
HM door and frame including hardware, double	1	pr	\$3,476.52	\$3,477
SC wood door panel and HM frame incl. hardware, single	50	ea	\$1,980.80	\$99,040
SC wood door panel and HM frame incl. hardware, single with glass panel	2	ea	\$2,345.15	\$4,690
Wood framed glass door and alum frame including hardware, single	11	ea	\$3,299.69	\$36,297
SC wood door panel and HM frame incl. hardware, double	1	pr	\$3,073.66	\$3,074
Steel door and frame, detention grade	2	ea	\$8,126.70	\$16,253
Sliding door with breakaway panel, 5'-0" W x 8'-0" H	2	ea	\$5,551.70	\$11,103
Sliding door with breakaway panel, 5'-0" W x 8'-0" H with breakaway	2	ea	\$7,217.22	\$14,434
SC wood door panel and Al frame incl. hardware, single	1	ea	\$2,975.00	\$2,975
Storefront door including hardware, single	5	ea	\$3,533.02	\$17,665

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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Premiums				
Detention grade door hardware	1	ea	\$1,925.85	\$1,926
Slide lock	2	ea	\$468.45	\$937
Digital keypad	2	ea	\$765.14	\$1,530
Film on door, per door	7	ea	\$790.81	\$5,536
Internal blind, per door	4	ea	\$468.45	\$1,874
Door seal and sweep, per door	14	ea	\$594.40	\$8,322
Door premium for increase security door, frame and hardware assembly, allowance	7	ea	\$3,123.00	\$21,861
Privacy lock	2	ea	\$884.85	\$1,770
Privacy shades on glass door, per door	5	ea	\$1,249.20	\$6,246
<b>Subtotal - Openings</b>				<b><u>\$942,413</u></b>

**09 Finishes**

Exterior walls and parapets				
Exterior wall framing, 6" 18 ga at 16" oc	11,024	sf	\$14.05	\$154,919
Exterior wall densglas sheathing	3,572	sf	\$4.21	\$15,032
Exterior wall sheathing, 5/8" with water resistive air barrier coating	8,060	sf	\$4.38	\$35,307
Back of parapet wall densglas sheathing	3,907	sf	\$4.21	\$16,442
Cement board, 1/2" T	3,572	sf	\$8.44	\$30,153
High impact security mesh reinforcement	3,572	sf	\$5.02	\$17,934
Gypsum wall board, type x finished, interior of exterior	5,183	sf	\$4.53	\$23,468
Exterior plaster				
Polymer modified plaster with integral color, 3 coat	8,060	sf	\$22.72	\$183,084
Plaster finish @ mechanical enclosure	3,572	sf	\$14.76	\$52,729
Interior partitions				
Partition wall, 8", 18 ga at 16" oc	855	sf	\$14.83	\$12,683
Partition wall, 6", 18 ga at 16" oc	1,125	sf	\$14.05	\$15,810
Partition wall, 4", 18 ga at 16" oc	33,956	sf	\$12.70	\$431,248
Furring wall, 2-1/2", 18 ga at 24" oc	5,325	sf	\$9.52	\$50,672
Furring channel, 7/8" with sound isolation clips	270	sf	\$9.96	\$2,690
Additional blocking, support backing, stiffeners, etc.	52,285	sf	\$0.68	\$35,378

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***New Campbell Police Operations Building Detail Elements***

<b>Element</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total</b>
5/8" thick gypsum board, type X, finished	53,414	sf	\$4.53	\$241,877
5/8" thick sound dampening gypsum board, finished	270	sf	\$7.07	\$1,910
5/8" thick high impact gypsum board, finished	3,840	sf	\$5.47	\$20,987
5/8" thick acoustic gypsum board, finished	11,985	sf	\$5.52	\$66,125
Ballistic panel	1,140	sf	\$40.90	\$46,627
1" thick coreboard at shaft walls	1,125	sf	\$5.51	\$6,195
5/8" thick gypsum board, type X, unfinished, allowance	3,810	sf	\$2.86	\$10,907
5/8" thick acoustic gypsum board, unfinished	11,985	sf	\$3.96	\$47,410
<b>Interior finishes</b>				
<b>Floors</b>				
Carpet tile	9,440	sf	\$5.38	\$50,775
Carpet tile, high abusive	1,032	sf	\$6.32	\$6,524
Static dissipative rubber tile	310	sf	\$11.67	\$3,619
Porcelain / ceramic tile	25	sf	\$17.00	\$425
Rubber sports flooring	1,270	sf	\$8.73	\$11,085
Sealed concrete	6,635	sf	\$1.82	\$12,087
Luxury vinyl tiles	4,906	sf	\$10.25	\$50,305
Sheet vinyl	469	sf	\$4.01	\$1,879
<b>Base</b>				
Rubber base	5,670	lf	\$4.49	\$25,451
Ceramic tile base	30	lf	\$18.22	\$547
<b>Walls</b>				
Cementitious backerboard at tiled walls, 1/2" thick	240	sf	\$7.00	\$1,679
Ceramic tile	240	sf	\$18.80	\$4,513
Wall protection panel	2,625	sf	\$15.62	\$40,989
FRP	1,560	sf	\$7.57	\$11,809
Acoustical wall covering	1,309	sf	\$16.78	\$21,970
Murals	160	sf	\$28.63	\$4,580
Paint walls	61,334	sf	\$1.30	\$79,811
<b>Ceilings</b>				
Acoustic tile ceiling, 2'-0" x 4'-0"	7,621	sf	\$7.34	\$55,950
Acoustic ceiling premium for NCR 0.90	5,980	sf	\$2.34	\$14,007
Gypsum board ceilings, including framing	607	sf	\$15.09	\$9,162
Gypsum board ceilings, including framing, mold resistant	1,571	sf	\$22.90	\$35,979
Gypsum board ceilings, including framing, impact resistant with 3/4" fire rated plywood	506	sf	\$20.22	\$10,229

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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Security plaster ceiling, allowance	627	sf	\$36.44	\$22,845
Exposed painted structure	7,175	sf	\$2.24	\$16,059
Gypsum board soffit drop, allowance	1,949	sf	\$29.15	\$56,809
Painted gypsum board ceilings and drop soffits	4,633	sf	\$1.72	\$7,958
Frame around solatube, allowance	5	loc	\$780.75	\$3,904
			<b>Subtotal - Finishes</b>	<b><u>\$2,080,538</u></b>

**10 Specialties**

Building specialties

Full wall mirror	258	sf	\$26.16	\$6,748
Corner guard, 2" x 2" x 8'-0", stainless steel	35	ea	\$342.69	\$11,994
Lockers, 12" x 24" x 72", ventilated	17	ea		FF&E
Lockers, 24" x 24" x 72", ventilated	81	ea		FF&E
Locker room bench	154	lf		FF&E
Changing room bench	22	lf		FF&E
Ballistic parcel pass	1	ea	\$3,643.50	\$3,644
Exterior gear bag locker, stainless steel	9	ea		FF&E
Vacuum cleaning system	1	ls		FF&E
Property locker	6	ea		FF&E
Stainless steel table with fixed stools, allowance	1	ea		FF&E
Recessed weapon locker, 4 capacity	1	ea		FF&E
Sidearm gun locker, 4 capacity	1	ea		FF&E
Surface mounted weapon locker, 10 capacity	1	ea		FF&E
Recessed water bottle filling station	2	ea	\$1,837.16	\$3,674
TV / monitor wall mount	15	ea	\$468.45	\$7,027
TV / monitor	15	ea		FF&E
Miscellaneous building specialties	24,087	sf	\$0.50	\$12,044

Signage and wayfindings, FF&E FF&E

Toilet cubicles

Toilet partition, ADA	2	ea	\$1,394.45	\$2,789
Toilet partition, standard	2	ea	\$1,301.84	\$2,604
Urinal screen	1	ea	\$552.66	\$553

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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Toilet / restroom specialties				
Bathroom mirrors	84	sf	\$33.10	\$2,781
Coat hook	11	ea	\$28.44	\$313
Grab bars	14	ea	\$184.18	\$2,578
Grab bars, l-shape	2	ea	\$331.52	\$663
Janitor mop sink rack	2	ea	\$125.77	\$252
Paper towel dispenser combo unit, recessed	7	ea	\$316.00	\$2,212
Sanitary napkin dispenser	3	ea	\$351.96	\$1,056
Sanitary napkin disposal	8	ea	\$158.00	\$1,264
Seat cover dispenser	11	ea	\$122.06	\$1,343
Soap dispenser	6	ea	\$91.33	\$548
Toilet paper dispenser	11	ea	\$81.75	\$899
Diaper changing station	1	ea	\$1,405.35	\$1,405
Shower ADA grab bars	6	ea	\$184.17	\$1,105
ADA shower seat	2	ea	\$702.68	\$1,405
Shower surround	3	ea	\$916.27	\$2,749
<b>Subtotal - Specialties</b>				<b><u>\$71,649</u></b>

**11 Equipment**

Residential equipment, OFOI	Excluded
Laboratory cabinets, OFOI	FF&E
Detention equipment, OFOI	<u>FF&amp;E</u>
<b>Subtotal - Equipment</b>	

**12 Furnishings**

Window covering				
Vertical blinds, manual				FF&E
Metal casework				
Fixed to floor island casework, stainless steel with shelving	9	lf	\$884.85	\$7,964
Furniture, OFOI				<u>Excluded</u>
<b>Subtotal - Furnishings</b>				<b><u>\$7,964</u></b>

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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
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**14 Conveying Equipment**

Elevators				
Passenger, 3500 lbs, hydraulic, 2-stops	1	ea	\$154,440.48	\$154,440
			<b>Subtotal - Conveying Equipment</b>	<b><u>\$154,440</u></b>

**21 Fire Suppression**

Wet pipe sprinkler system	24,087	sf	\$8.00	\$192,696
Pre-action fire suppressant system, allowance	305	sf	\$21.00	\$6,405
			<b>Subtotal - Fire Suppression</b>	<b><u>\$199,101</u></b>

**22 Plumbing**

Equipment				
Water heater, electric, 112 gallon	1	ea	\$7,850.00	\$7,850
Storage tank, 119 gallon	1	ea	\$2,000.00	\$2,000
Circulation pump	1	ea	\$1,200.00	\$1,200
Fixtures, including pipe and rough-in				
Water closet	4	ea	\$7,488.00	\$29,952
Lavatory	7	ea	\$7,363.20	\$51,542
Urinal	2	ea	\$7,176.00	\$14,352
Drinking fountain / Bottle Filler	2	ea	\$8,424.00	\$16,848
Water closet (single user restroom)	9	ea	\$9,984.00	\$89,856
Lavatory (single user restroom)	7	ea	\$9,859.20	\$69,014
Shower	4	ea	\$11,044.80	\$44,179
Sink	2	ea	\$9,859.20	\$19,718
Double sink	2	ea	\$10,296.00	\$20,592
Janitor sink	3	ea	\$5,616.00	\$16,848
Floor drains	12	ea	\$2,489.76	\$29,877
Hose bibb	6	ea	\$2,227.68	\$13,366
Condensate drain pipe distribution	24,087	sf	\$1.40	\$33,722
Roof drain				
Roof and over flow drain	11	ea	\$1,100.00	\$12,100
Drainage pipe	605	lf	\$125.00	\$75,625
Downspout cover	11	ea	\$145.00	\$1,595

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Element	Quantity	Unit	Unit Cost	Total
Miscellaneous				
Water meter	1	ea	\$5,375.00	\$5,375
Access panels	18	ea	\$345.00	\$6,210
Clean and test	1	ls	\$3,250.00	\$3,250
Noise and vibration control	1	ls	\$2,700.00	\$2,700
Firestopping	24,087	sf	\$0.30	\$7,226
Seismic supports	24,087	sf	\$0.37	\$8,912
Test and balance	24	hr	\$120.00	\$2,880
Commissioning assistance only	12	hr	\$120.00	\$1,440
				\$588,231
			<b>Subtotal - Plumbing</b>	<b><u>\$588,231</u></b>

**23 Heating, Ventilating, and Air Conditioning (HVAC)**

Equipment				
VRF condensing units				
42 ton	1	ea	\$77,760.00	\$77,760
20 ton	4	ea	\$40,200.00	\$160,800
VRF fan coils				
5.5 ton	2	ea	\$11,100.00	\$22,200
5 ton	1	ea	\$10,200.00	\$10,200
4 ton	1	ea	\$8,630.00	\$8,630
3 ton	6	ea	\$6,700.00	\$40,200
2.5 ton	3	ea	\$5,740.00	\$17,220
2 ton	11	ea	\$4,780.00	\$52,580
1.5 ton	3	ea	\$3,820.00	\$11,460
1 ton	15	ea	\$2,860.00	\$42,900
ROAS units				
16 ton	2	ea	\$25,820.00	\$51,640
SOAS units				
12 ton	2	ea	\$18,480.00	\$36,960
Mini split system condensing unit				
1 ton	1	ea	\$3,400.00	\$3,400
Mini split system indoor unit				
1 ton	1	ea	\$2,800.00	\$2,800
Energy recovery ventilator				
1100 cfm	1	ea	\$2,510.00	\$2,510
800 cfm	2	ea	\$1,990.00	\$3,980
400 cfm	1	ea	\$1,030.00	\$1,030
Heat recovery unit				
5 ton, 3 port	3	ea	\$8,430.00	\$25,290
5 ton, 6 port	4	ea	\$8,890.00	\$35,560
5 ton, 8 port	2	ea	\$9,360.00	\$18,720

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Element	Quantity	Unit	Unit Cost	Total
Exhaust fan				
2800 cfm	1	ea	\$5,570.00	\$5,570
500 cfm	1	ea	\$1,370.00	\$1,370
120 cfm	1	ea	\$480.00	\$480
120 cfm, snorkel for exam lab	1	ea	\$860.00	\$860
Ceiling fans	2	ea	\$2,000.00	\$4,000
Dehumidification units, 8369 cubic feet, 115 volt	1	ea	\$2,740.00	\$2,740
Air distribution				
Ductwork, galvanized steel	16,259	lb	\$15.00	\$243,881
Duct insulation, wrap	7,154	sf	\$6.50	\$46,500
Refrigerant pipe	2,730	lf	\$52.00	\$141,960
Diffusers / registers / grilles	152	ea	\$465.00	\$70,680
Louver, 42" x 30"	2	ea	\$867.00	\$1,734
Sound traps / acoustical treatments	1	ls	\$9,945.00	\$9,945
HVAC controls	24,087	sf	\$9.97	\$240,147
Test / balance	100	hr	\$135.00	\$13,500
Commissioning assist	40	hr	\$135.00	\$5,400
Rigging	1	ls	\$30,000.00	\$30,000
Seismic bracing	24,087	sf	\$0.70	\$16,861
Penetrations and fire stopping	24,087	sf	\$0.60	\$14,452

***Subtotal - Heating, Ventilating, and Air Conditioning (HVAC)***      **\$1,475,920**

**26 Electrical**

Distribution equipment				
Main switchboard, 1600 amp, 480/277v, 3ph, 4w	1	ea	\$71,669.56	\$71,670
Distribution board, 400 amp, 480/277v, 3ph, 4w	1	ea	\$23,323.73	\$23,324
Panelboard, 100 amp, 120/208v, 3ph, 4w	3	ea	\$2,289.28	\$6,868
Panelboard, 100 amp, 480/277v, 3ph, 4w	5	ea	\$2,661.02	\$13,305
Panelboard, 200 amp, 120/208v, 3ph, 4w	2	ea	\$2,583.29	\$5,167
Panelboard, 200 amp, 480/277v, 3ph, 4w	3	ea	\$2,955.03	\$8,865
Panelboard, 400 amp, 120/208v, 3ph, 4w	2	ea	\$3,399.09	\$6,798
Panelboard, 400 amp, 480/277v, 3ph, 4w	2	ea	\$3,770.83	\$7,542
Transformer, 45kVA, 480-120/208v, 3ph, 4w	1	ea	\$4,364.68	\$4,365
Transformer, 75kVA, 480-120/208v, 3ph, 4w	3	ea	\$5,994.85	\$17,985
Transformer, 112.5kVA, 480-120/208v, 3ph, 4w	1	ea	\$9,665.17	\$9,665
Transformer, 150kVA, 480-120/208v, 3ph, 4w	2	ea	\$11,558.51	\$23,117
UPS, bypass maintenance switch	1	ea	\$26,173.45	\$26,173
Uninterruptable power supply, 120kVA	1	ea	\$151,040.40	\$151,040
Disconnect switch, 400/3 fused N3R	1	ea	\$5,154.46	\$5,154

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***New Campbell Police Operations Building Detail Elements***

<b>Element</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total</b>
Feeder, 100 amp, 3P, 4W, emt	600	lf	\$51.60	\$30,961
Feeder, 200 amp, 3P, 4W, emt	490	lf	\$89.25	\$43,734
Feeder, 400 amp, 3P, 4W, emt	125	lf	\$187.70	\$23,462
Transformer primary emt feeder, 45kVA	10	lf	\$43.64	\$436
Transformer primary emt feeder, 75kVA	260	lf	\$60.66	\$15,771
Transformer primary emt feeder, 112.5kVA	110	lf	\$88.75	\$9,763
Transformer primary emt feeder, 150kVA	75	lf	\$154.04	\$11,553
Transformer secondary emt feeder, 45kVA	10	lf	\$62.75	\$628
Transformer secondary emt feeder, 75kVA	50	lf	\$129.08	\$6,454
Transformer secondary emt feeder, 112.5kVA	30	lf	\$513.44	\$15,403
Transformer secondary emt feeder, 150kVA	40	lf	\$263.59	\$10,544
Conduit, 2" emt - future PV / solar system	100	lf	\$22.69	\$2,269
<b>HVAC and equipment connections</b>				
Connection to automatic faucet	12	ea	\$201.36	\$2,416
Connection to bottle filler	2	ea	\$201.36	\$403
Connection to ceiling fan	2	ea	\$201.36	\$403
Connection to condensing unit	1	ea	\$240.00	\$240
Connection to digital clocks	2	ea	\$201.36	\$403
Connection to electric water heater	1	ea	\$217.53	\$218
Connection to elevator cart light	1	ea	\$201.36	\$201
Connection to elevator	1	ea	\$507.64	\$508
Connection to energy recovery ventilator unit	4	ea	\$201.36	\$805
Connection to exhaust fan	3	ea	\$240.00	\$720
Connection to garbage disposal	2	ea	\$201.36	\$403
Connection to heat recovery unit	9	ea	\$201.36	\$1,812
Connection to lobby door entrance	1	ea	\$201.36	\$201
Connection to motorized shade	10	ea	\$201.36	\$2,014
Connection to power lockers	13	ea	\$201.36	\$2,618
Connection to rooftop 100% outside air unit	2	ea	\$240.00	\$480
Connection to split 100% outside air unit	2	ea	\$217.53	\$435
Connection to variable refrigerant condensing unit	2	ea	\$240.00	\$480
Connection to variable refrigerant condensing unit	5	ea	\$356.91	\$1,785
Connection to variable refrigerant fan coil unit	43	ea	\$201.36	\$8,658
Connection to wall mounted dehumidifier	1	ea	\$201.36	\$201
Disconnect elevator switch, 100/3 fused N1	1	ea	\$3,143.18	\$3,143
Disconnect switch, motor rated N1	72	ea	\$136.06	\$9,796
Disconnect switch, 30/3 fused N1	3	ea	\$680.49	\$2,041
Disconnect switch, 30/3 fused N3R	8	ea	\$934.17	\$7,473
Disconnect switch, 60/3 fused N3R	5	ea	\$1,197.64	\$5,988

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***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Equipment feeder, 20 amp	3570	lf	\$17.91	\$63,935
Equipment feeder, 30 amp	715	lf	\$19.70	\$14,085
Equipment feeder, 60 amp	425	lf	\$37.39	\$15,893
Equipment feeder, 100 amp	240	lf	\$57.27	\$13,745
Conduit, 3/4" emt	4,745	lf	\$9.24	\$43,829
<b>Convenience power</b>				
Duplex receptacle, 20 amp	137	ea	\$115.14	\$15,774
Duplex receptacle, 20 amp - controlled	21	ea	\$121.33	\$2,548
Duplex receptacle, 20 amp - dedicated	41	ea	\$115.14	\$4,721
Double duplex receptacle, 20 amp	31	ea	\$151.93	\$4,710
Duplex receptacle, 20 amp GFCI	19	ea	\$132.51	\$2,518
Duplex receptacle, 20 amp GFCI, wp	9	ea	\$141.24	\$1,271
Double duplex receptacle, 20 amp GFCI - controlled	4	ea	\$193.64	\$775
Power/data flush floor	3	ea	\$441.83	\$1,325
Power/tele-data flush floor	14	ea	\$649.87	\$9,098
Power/tele-data flush floor - multiuse	5	ea	\$1,292.08	\$6,460
Junction box	7	ea	\$64.56	\$452
Junction box - furniture connection	7	ea	\$283.94	\$1,988
Branch power, 20 amp	7,450	lf	\$16.82	\$125,275
<b>Lighting and lighting control</b>				
Type P1-23, 23'-6" pendant	5	ea	\$399.08	\$1,995
Type P2, 4'-0" linear pendant industrial	25	ea	\$268.97	\$6,724
Type P3, 4'-0" linear pendant	22	ea	\$249.86	\$5,497
Type P4, linear cross pattern	9	ea	\$2,268.52	\$20,417
Type P5, 12'-0" x 18'-0" rectilinear	1	ea	\$9,074.06	\$9,074
Type P6, 4" pendant cylinder	12	ea	\$244.01	\$2,928
Type R1-2, 2'-0" x 2'-0" recessed LED troffer	70	ea	\$255.22	\$17,866
Type R1-4, 2'-0" x 4'-0" recessed LED troffer	59	ea	\$275.39	\$16,248
Type R3-2, 2'-0" x 2'-0" recessed LED	19	ea	\$255.22	\$4,849
Type R3-4, 2'-0" x 4'-0" recessed LED	5	ea	\$275.39	\$1,377
Type R4-8, 8'-0" recessed linear LED	5	ea	\$811.67	\$4,058
Type R4-12, 12'-0" recessed linear LED	2	ea	\$1,217.50	\$2,435
Type R4-20, 20'-0" recessed linear LED	2	ea	\$2,029.17	\$4,058
Type R4-U, U-shaped LED recessed linear	40	lf	\$151.23	\$6,049
Type R5, 1'-0" x 4'-0" recessed tamper resistant	19	ea	\$1,147.34	\$21,799
Type R6, 2" recessed downlight	11	ea	\$265.07	\$2,916
Type R7, 4" recessed downlight	29	ea	\$286.26	\$8,301
Type R8, 4" recessed downlight	7	ea	\$286.26	\$2,004
Type R9, 32'-0" x 8'-0" recess rectilinear	1	ea	\$8,116.70	\$8,117
Type S1, 1'-0" x 4'-0" surface mounted tamper	7	ea	\$459.07	\$3,213
Type S2, 4'-0" corner mounted tamper resistant	2	ea	\$647.96	\$1,296
Type S3, 4'-0" surface mounted linear strip light	10	ea	\$245.91	\$2,459
Type S4, 4'-0" high lumen vehicle inspection	9	ea	\$404.70	\$3,642

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Element	Quantity	Unit	Unit Cost	Total
Type W1-8, 8'-0" wall mounted	6	ea	\$811.67	\$4,870
Type W1-12, 12'-0" wall mounted	11	ea	\$1,217.50	\$13,393
Type W2, 2'-0" linear mirror light	11	ea	\$257.41	\$2,832
Type W3, 4'-0" wall mounted linear strip	2	ea	\$405.83	\$812
Type W4-6, 6'-0" wall mounted linear wall	1	ea	\$608.75	\$609
Exit sign pendant	2	ea	\$238.43	\$477
Type ZW1, wall mounted linear area light	11	ea	\$270.17	\$2,972
Type ZR1, canopy mounted L-shaped recessed linear	80	lf	\$151.23	\$12,099
Discreet light	3	ea	\$249.69	\$749
Elevator pit light	4	ea	\$462.90	\$1,852
Lighting control panel	1	ea	\$5,365.35	\$5,365
Single pole switch	10	ea	\$124.06	\$1,241
Dimmer switch	44	ea	\$253.11	\$11,137
Key operated switch	1	ea	\$131.44	\$131
Occupancy sensor, ceiling mounted	106	ea	\$294.98	\$31,268
Occupancy sensor, wall mounted	27	ea	\$248.08	\$6,698
Lighting branch power, fixtures	5,745	lf	\$16.82	\$96,605
Lighting branch power, controls	1,400	lf	\$15.72	\$22,011
Conduit, 3/4" emt	3,325	lf	\$9.24	\$30,713
Lighting control cable	3,990	lf	\$3.22	\$12,850
Additional electrical requirements				
Firestopping electrical	24,087	sf	\$0.37	\$8,954
Seismic bracing / miscellaneous supports	24,087	ea	\$0.43	\$10,446
Electrical temporary power	24,087	sf	\$1.55	\$37,309
Equipment rentals	24,087	sf	\$0.62	\$14,923
Commissioning, planning, and coordination	28	ea	\$1,951.18	\$54,633
			<b>Subtotal - Electrical</b>	<b><u>\$1,476,534</u></b>

**27 Communications**

Voice and data system (infrastructure only, excluding devices and head-end equipment)

Tele/data outlet, 1 port	94	ea	\$121.34	\$11,406
Tele/data furniture connection	11	ea	\$223.27	\$2,456
Wireless access point, back box only	13	ea	\$103.75	\$1,349
Fire treated plywood	15	ea	\$230.09	\$3,451
Telecommunication grounding busbar	2	ea	\$2,814.61	\$5,629
Rack, 2 post	3	ea	\$618.69	\$1,856
Rack, 4 post	4	ea	\$1,950.31	\$7,801
Master cabling section	4	ea	\$1,455.53	\$5,822
Conduit, 1" emt	1,180	lf	\$10.90	\$12,866
CAT-6, 4 pair 23 AWG, UTP	38,700	lf	\$1.18	\$45,604

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Element	Quantity	Unit	Unit Cost	Total
Distributed antenna system (infrastructure only, excluding devices and head-end equipment)				
Distributed antenna system - emergency responder, rough-in only	24,087	sf	\$2.00	\$48,174
Audio-video system				
Audio-video outlet, rough-in only	49	ea	\$255.24	\$12,507
Conduit, 1 1/4" emt	735	lf	\$15.23	\$11,195
<b>Subtotal - Communications</b>				<b><u>\$170,117</u></b>

**28 Electronic Safety and Security**

Closed circuit television system (infrastructure only, excluding devices and head-end equipment)				
Camera, fixed - rough-in only	8	ea	\$74.64	\$597
Camera, multi directional - rough-in only	10	ea	\$178.32	\$1,783
Command center base station - rough-in only	1	ea	\$74.64	\$75
Command center communication station - rough-in only	1	ea	\$74.64	\$75
Control panel, interview recording system - rough in only	3	ea	\$74.64	\$224
Intercom master station - rough-in only	1	ea	\$74.64	\$75
Intercom remote station - rough-in only	2	ea	\$74.64	\$149
Video monitor - rough-in only	2	ea	\$74.64	\$149
Conduit, 1 1/4" emt	420	lf	\$15.23	\$6,397
Access control system (infrastructure only, excluding devices and head-end equipment)				
Card reader - rough-in only	33	ea	\$165.13	\$5,449
Card reader, extended range - rough-in only	3	ea	\$165.13	\$495
Door contact - rough-in only	4	ea	\$74.64	\$299
Door release button - rough-in only	6	ea	\$74.64	\$448
Lock down pull station - rough-in only	1	ea	\$74.64	\$75
Conduit, 3/4" emt	3,995	lf	\$9.24	\$36,901
Security system (infrastructure only, excluding devices and head-end equipment)				
Panic button - rough-in only	12	ea	\$74.64	\$896
Conduit, 3/4" emt	1,020	lf	\$9.24	\$9,422
Fire alarm system				
Fire alarm system, addressable - includes fire alarm panel, annunciator, terminal cabinets, speakers, strobes, horns, pull stations, control modules, relay modules tamper and flow switch's, conduit and wire.	24,087	sf	\$7.00	\$168,609
<b>Subtotal - Electronic Safety and Security</b>				<b><u>\$232,117</u></b>

***New Campbell Police Operations Building Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
<b>31 Earthwork</b>				
Earthwork				
Field staking / layout, 2 person crew	1	day	\$2,354.99	\$2,355
Clear and grub site	17,412	sf	\$0.15	\$2,592
Fine grading	17,412	sf	\$0.36	\$6,344
Erosion control	17,412	sf	\$0.50	\$8,706
			<b>Subtotal - Earthwork</b>	<b><u>\$19,997</u></b>

**Existing Police Department Renovation**

**Existing Police Department Renovation Summary**

Element	Gross Floor Area	6,780	SF	Total	Cost/SF
01	General Requirements			Included in General Conditions	
02	Existing Conditions			\$51,734	\$7.63
03	Concrete			\$39,018	\$5.75
04	Masonry			\$7,240	\$1.07
05	Metals			\$74,145	\$10.94
06	Woods, Plastics, and Composites			\$13,745	\$2.03
07	Thermal and Moisture Protection			\$58,690	\$8.66
08	Openings			\$97,969	\$14.45
09	Finishes			\$453,995	\$66.96
10	Specialties			\$30,645	\$4.52
11	Equipment				
12	Furnishings				
21	Fire Suppression				
22	Plumbing			\$166,708	\$24.59
23	Heating, Ventilating, and Air Conditioning (HVAC)			\$210,816	\$31.09
26	Electrical			\$312,168	\$46.04
27	Communications			\$8,706	\$1.28
28	Electronic Safety and Security			\$44,822	\$6.61
	Subtotal			<b>\$1,570,402</b>	<b>\$231.62</b>
	General Conditions		9.00%	<b>\$141,336</b>	<b>\$20.85</b>
	Subtotal			<b>\$1,711,739</b>	<b>\$252.47</b>
	Overhead and Profit (OH&P)		4.00%	<b>\$68,470</b>	<b>\$10.10</b>
	Subtotal			<b>\$1,780,208</b>	<b>\$262.57</b>
	Bonds & Insurance		2.40%	<b>\$42,725</b>	<b>\$6.30</b>
	Subtotal			<b>\$1,822,933</b>	<b>\$268.87</b>
	Design Contingency		2.50%	<b>\$45,573</b>	<b>\$6.72</b>
	Subtotal			<b>\$1,868,506</b>	<b>\$275.59</b>
	Phasing / Occupancy Premium		4.00%	<b>\$74,740</b>	<b>\$11.02</b>
	Subtotal			<b>\$1,943,247</b>	<b>\$286.61</b>
	Escalation to MOC, 04/29/23		6.61%	<b>\$128,521</b>	<b>\$18.96</b>
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				<b>\$2,071,768</b>	<b>\$305.57</b>

**Campbell Police Operations Building**  
**Existing Police Department Renovation**  
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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
<b>02 Existing Conditions</b>				
Building demolition				
Sawcut and demo (E) slab	1,265	sf	\$5.73	\$7,243
Concrete block and window	180	sf	\$7.81	\$1,405
Exterior addition including wall, floors, finishes, ceiling, & roof	1,250	sf	\$8.85	\$11,061
Doors and frame, exterior, double	1	ea	\$230.45	\$230
Doors and frame, interior, double	1	ea	\$230.45	\$230
Doors and frame, interior, single	21	ea	\$210.24	\$4,415
Interior partitions, 12'-0" H	764	lf	\$5.82	\$4,443
Floor and ceiling finishes	6,780	sf	\$1.56	\$10,587
Sawcut and demo (E) CMU wall for new double door opening	1	ea	\$718.29	\$718
Sawcut and demo (E) CMU wall for new single door opening	1	ea	\$484.07	\$484
Sawcut and demo (E) CMU wall for roll-up door opening	1	ea	\$1,186.74	\$1,187
Demo façade top provide pathway to the existing mechanical well	1	ls	\$780.75	\$781
Haul out and disposal, allowance	1	ls	\$5,950.00	\$5,950
Miscellaneous demolition	20	hr	\$75.00	\$1,500
Protection to existing to remain	1	ls	\$1,500.00	\$1,500

**Subtotal - Existing Conditions**      **\$51,734**

**03 Concrete**

Spread footings				
Concrete, 4000 psi	3	cy	\$252.76	\$834
Concrete placement	3	cy	\$50.43	\$166
Formwork	67	sf	\$14.41	\$966
Reinforcement	578	lbs	\$2.15	\$1,243
Excavation	7	cy	\$23.86	\$177
Backfill, common material	4	cy	\$8.80	\$36
Haul excess	3	cy	\$22.01	\$73

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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Slab on grade, 8" thick				
Concrete, 4000 psi	34	cy	\$252.76	\$8,684
Concrete placement	34	cy	\$58.01	\$1,993
Edge formwork	527	lf	\$8.96	\$4,722
Sand base - 4"	694	sf	\$1.91	\$1,322
Gravel sub base - 4"	694	sf	\$1.48	\$1,027
Reinforcing steel	2,244	lb	\$2.28	\$5,107
Finish to slab	694	sf	\$1.00	\$694
Vapor barrier	694	sf	\$0.49	\$343
Add for thickened edges	16	cy	\$310.77	\$5,004
Drilled dowel with epoxy anchor spaced at 12" OC	108	ea	\$61.35	\$6,626
			<b>Subtotal - Concrete</b>	<b><u>\$39,018</u></b>
<b>04 Masonry</b>				
Reinforced CMU walls, fully grouted infill	107	sf	\$67.67	\$7,240
			<b>Subtotal - Masonry</b>	<b><u>\$7,240</u></b>
<b>05 Metals</b>				
Stairs including rail				
Metal pan landing, concrete infill not included	90	sf	\$216.16	\$19,454
Metal pan stair tread with picket rail, 4'-6" W, concrete infill not included	18	ea	\$1,305.81	\$23,505
Handrail	60	lf	\$78.08	\$4,685
Metal pan landing concrete infill	90	sf	\$10.15	\$913
Metal pan stair tread concrete infill	18	sf	\$40.60	\$731
Stair column, HSS4x4x3/8	25	lf	\$62.67	\$1,567
Stair beam, HSS8x8x1/2	18	lf	\$177.51	\$3,195
Stair stiffener, HSS4x2x1/4	13	lf	\$31.99	\$416
Miscellaneous metal fabrication and supports				
Mechanical screen, allowance	123	sf	\$78.08	\$9,564
Roll-up door HSS support, allowance	37	lf	\$132.73	\$4,911
Support / frame to new door opening at CMU wall	2	loc	\$2,602.50	\$5,205
			<b>Subtotal - Metals</b>	<b><u>\$74,145</u></b>

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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
<b>06 Woods, Plastics, and Composites</b>				
Building casework				
Transaction counter, 2 tier	5	lf	\$442.43	\$2,212
Miscellaneous wood framing				
Double existing roof joist and provide base support, allowance	155	sf	\$27.50	\$4,263
Sheathing				
Fire rated plywood, 3/4" thick	250	sf	\$5.28	\$1,320
Plywood, painted	208	sf	\$4.16	\$866
Miscellaneous rough carpentry and blocking, allowance	6,780	gsf	\$0.75	\$5,085
				\$5,085
			<b>Subtotal - Woods, Plastics, and Composites</b>	<b><u>\$13,745</u></b>
<b>07 Thermal and Moisture Protection</b>				
Fireproofing, not included				Excluded
Roofing system, patch and repair pipe vent penetration, allowance	6,780	sf	\$1.00	\$6,780
Wall insulation				
Interior, sound batt insulation, 2-1/2" thick, unbacked	7,811	sf	\$1.08	\$8,447
Interior, sound batt insulation, 3-1/2" thick, unbacked	5,570	sf	\$1.25	\$6,945
Sheet metal, allowance	6,780	gsf	\$1.25	\$8,475
Miscellaneous				
Acoustic wall sealant with backer rod	2,769	lf	\$5.23	\$14,483
Miscellaneous caulking and sealants, allowance	6,780	sf	\$2.00	\$13,560
				\$13,560
			<b>Subtotal - Thermal and Moisture Protection</b>	<b><u>\$58,690</u></b>
<b>08 Openings</b>				
Exterior glazing				No anticipated work
Exterior doors				
HM door and frame including hardware, insulated, double	1	ea	\$4,397.76	\$4,398
HM door and frame including hardware, Insulated, single	2	ea	\$2,411.63	\$4,823

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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Premiums				
Door premium for increase security door, frame and hardware assembly, allowance	1	ea	\$3,123.00	\$3,123
Specialty door, exterior				
Roll up door, 12'-0" wide x 8'-0" high opening, motorized	1	ea	\$9,626.99	\$9,627
Interior glazing				
Ballistic rated glazing, level 3	35	sf	\$275.85	\$9,655
Interior doors				
Security bi-parting folding gate with lock, 12'-0" H	24	lf	\$312.30	\$7,495
HM door and frame including hardware, insulated, double	1	pr	\$3,788.82	\$3,789
HM door and frame including hardware, single	11	ea	\$2,151.13	\$23,662
HM door and frame including hardware, insulated, single	1	ea	\$2,307.28	\$2,307
SC wood door panel and HM frame incl. hardware, single	2	ea	\$1,980.80	\$3,962
HM door and frame including hardware, dutch, single	1	ea	\$2,343.72	\$2,344
Premiums				
Door seal and sweep, per door	2	ea	\$594.40	\$1,189
Panic hardware, per leaf	1	ea	\$1,087.22	\$1,087
Privacy lock	2	ea	\$884.85	\$1,770
Door premium for increase security door, frame and hardware assembly, allowance	6	ea	\$3,123.00	\$18,738
<b>Subtotal - Openings</b>				<b><u>\$97,969</u></b>

**09 Finishes**

Exterior walls and parapets				
Exterior wall infill framing, 6" 18 ga at 16" oc	145	sf	\$20.82	\$3,019
Exterior wall densglas sheathing	145	sf	\$7.29	\$1,057
Exterior plaster				
Polymer modified plaster with integral color, 3 coat	145	sf	\$23.66	\$3,431
Patch and repair existing facade where walls were removed for the new pathway to mechanical well, allowance	1	ls	\$2,500.00	\$2,500

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***Existing Police Department Renovation Detail Elements***

<b>Element</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total</b>
<b>Interior partitions</b>				
Partition wall, 8", 18 ga at 16" oc	88	sf	\$14.83	\$1,305
Partition wall, 6", 18 ga at 16" oc	913	sf	\$14.05	\$12,831
Partition wall, 4", 18 ga at 16" oc	5,675	sf	\$12.70	\$72,074
Furring wall, 2-1/2", 18 ga at 24" oc	5,738	sf	\$9.52	\$54,602
Furring channel, 7/8" with sound isolation clips	281	sf	\$9.96	\$2,800
5/8" thick gypsum board, type X, finished	9,800	sf	\$4.53	\$44,378
5/8" thick acoustic gypsum board, finished	2,075	sf	\$5.52	\$11,448
5/8" thick acoustic gypsum board, unfinished	2,075	sf	\$3.96	\$8,208
5/8" thick high impact gypsum board, finished	5,638	sf	\$5.47	\$30,813
High impact security mesh reinforcement	2,688	sf	\$5.02	\$13,496
Ballistic panel, level 3	425	sf	\$40.90	\$17,383
<b>Interior finishes</b>				
<b>Floors</b>				
Prepare new slab for floor finishes	6,780	sf	\$1.20	\$8,117
Carpet tile	184	sf	\$5.38	\$990
Carpet tile, high abusive	412	sf	\$6.32	\$2,604
Static dissipative rubber tile	229	sf	\$11.67	\$2,673
Epoxy flooring	926	sf	\$8.74	\$8,091
Sealed concrete	5,029	sf	\$1.82	\$9,162
<b>Base</b>				
Rubber base	1,342	lf	\$4.49	\$6,024
<b>Walls</b>				
FRP	208	sf	\$7.57	\$1,575
Wall protection panel	245	sf	\$15.62	\$3,826
Paint walls	15,651	sf	\$1.30	\$20,366
<b>Ceilings</b>				
Acoustic tile ceiling, 2'-0" x 4'-0"	2,668	sf	\$9.20	\$24,553
Acoustic ceiling premium for NRC 0.90	184	sf	\$2.34	\$431
Gypsum board ceilings, including framing	1,145	sf	\$15.09	\$17,283
Gypsum board ceilings, including framing, mold resistant	129	sf	\$15.82	\$2,041
Gypsum board ceilings, including framing, impact resistant with 3/4" fire rated plywood	2,654	sf	\$22.90	\$60,782
Painted gypsum board ceilings and drop soffits	3,928	sf	\$1.56	\$6,134
<b>Subtotal - Finishes</b>				<b><u>\$453,995</u></b>

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**Existing Police Department Renovation Detail Elements**

Element	Quantity	Unit	Unit Cost	Total
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**10 Specialties**

Building specialties

Ballistic parcel passer, allowance	1	ea	\$3,643.50	\$3,644
Corner guard, 2" x 2" x 8'-0", stainless steel	21	ea	\$342.69	\$7,197
Miscellaneous building specialties, and signage	6,780	gsf	\$2.50	\$16,950

Toilet / restroom specialties

Bathroom mirrors	12	sf	\$33.10	\$397
Coat hook	2	ea	\$28.44	\$57
Grab bars	4	ea	\$184.18	\$737
Janitor mop sink rack	1	ea	\$125.77	\$126
Paper towel dispenser combo unit, recessed	2	ea	\$316.00	\$632
Sanitary napkin disposal	2	ea	\$158.00	\$316
Seat cover dispenser	2	ea	\$122.06	\$244
Soap dispenser	2	ea	\$91.33	\$183
Toilet paper dispenser	2	ea	\$81.75	\$163

**Subtotal - Specialties \$30,645**

**11 Equipment**

Vehicle equipment, not included Excluded

High density storage, OFOI Excluded

Fixed stainless steel work table, 3'-6" x 8'-0", allowance 2 ea FF&E

Pass thru evidence storage locker, electronic locks, allowance 4 ea FF&E

Evidence weapon locker 1 ea FF&E

Fire arm storage 1 ea FF&E

**Subtotal - Equipment**

**12 Furnishings**

Window covering, FF&E Excluded

Furniture, OFOI Excluded

**Subtotal - Furnishings**

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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
<b>21 Fire Suppression</b>				
Adjust sprinkler heads to support new layout				<u>Not Required</u>
<b>Subtotal - Fire Suppression</b>				
<b>22 Plumbing</b>				
Demolition				
Remove plumbing fixture, cap pipe	3	ea	\$325.00	\$975
Remove pipe distribution as needed / system identification / misc equipment	16	hr	\$115.00	\$1,840
Equipment				
Water heater, electric, 80 gallon	1	ea	\$6,280.00	\$6,280
Circulation pump	1	ea	\$1,200.00	\$1,200
Instantaneous water heater	3	ea	\$775.00	\$2,325
Air compressor	1	ls	\$7,500.00	\$7,500
Fixtures, including pipe and rough-in				
Water closet (single user restroom)	2	ea	\$9,464.00	\$18,928
Lavatory (single user restroom)	2	ea	\$9,339.20	\$18,678
Urinal	1	ea	\$9,144.72	\$9,145
Sink	3	ea	\$9,339.20	\$28,018
Janitor sink	1	ea	\$5,616.00	\$5,616
Floor drains	2	ea	\$2,489.76	\$4,980
Hose bibb	3	ea	\$2,227.68	\$6,683
Emergency eyewash	2	ea	\$3,744.00	\$7,488
Countertop emergency eyewash	1	ea	\$2,808.00	\$2,808
Emergency shower/eyewash	1	ea	\$5,990.40	\$5,990
Hi-low drinking fountain with bottle filler	1	ea	\$9,568.00	\$9,568
Condensate drain pipe distribution	6,780	sf	\$1.40	\$9,492
Roof drain				
Clean roof drains, to be done by the City				Excluded

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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
Miscellaneous				
Gas meter, pressure regulator, and seismic shut off	1	ea	\$9,500.00	\$9,500
Access panels	4	ea	\$345.00	\$1,380
Clean and test	1	ls	\$1,050.00	\$1,050
Noise and vibration control	1	ls	\$775.00	\$775
Firestopping	6,780	sf	\$0.15	\$1,017
Seismic supports	6,780	sf	\$0.17	\$1,153
Test and balance	24	hr	\$120.00	\$2,880
Commissioning assistance only	12	hr	\$120.00	\$1,440
				\$166,708
			<b>Subtotal - Plumbing</b>	<b><u>\$166,708</u></b>

**23 Heating, Ventilating, and Air Conditioning (HVAC)**

Demolition				
Remove equipment and air distribution as required	6,780	sf	\$1.75	\$11,865
Equipment				
Exhaust fan				
4050 cfm	1	ea	\$7,780.00	\$7,780
450 cfm	1	ea	\$1,160.00	\$1,160
200 cfm	1	ea	\$670.00	\$670
120 cfm	1	ea	\$480.00	\$480
120 cfm, snorkel for exam lab	1	ea	\$860.00	\$860
VAV box	8	ea	\$2,630.00	\$21,040
Dehumidification units, 8369 cubic feet, 115 volt	3	ea	\$2,740.00	\$8,220
Air distribution				
Ductwork, galvanized steel	5,085	lb	\$15.00	\$76,275
Duct insulation, wrap	2,237	sf	\$6.50	\$14,543
Diffusers / registers / grilles	62	ea	\$465.00	\$28,830
Louver, 24" x 18"	1	ea	\$297.08	\$297
Sound traps / acoustical treatments	1	ls	\$3,110.12	\$3,110
Burglar bars	1	ls	\$2,500.00	\$2,500
HVAC controls	6,780	sf	\$1.81	\$12,272
Test / balance	40	hr	\$135.00	\$5,400
Commissioning assist	20	hr	\$135.00	\$2,700
Rigging	1	ls	\$4,000.00	\$4,000
Seismic bracing	6,780	sf	\$0.70	\$4,746
Penetrations and fire stopping	6,780	sf	\$0.60	\$4,068

**Subtotal - Heating, Ventilating, and Air Conditioning (HVAC) \$210,816**

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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
<b>26 Electrical</b>				
Demolition				
Electrical demolition	97	hr	\$92.50	\$8,972
Distribution equipment				
Panelboard, 100 amp, 120/208v, 3ph, 4w	1	ea	\$2,289.28	\$2,289
Feeder, 150 amp, 3P, 4W, emt - panel board relocation	220	lf	\$65.45	\$14,399
Feeder, 250 amp, 3P, 4W, emt - panel board relocation	420	lf	\$119.00	\$49,978
Tie into existing campus distribution board	1	ea	\$1,479.94	\$1,480
HVAC and equipment connections				
Connection to bottle filler	1	ea	\$201.36	\$201
Connection to evidence storage locker	1	ea	\$201.36	\$201
Connection to exhaust fan	2	ea	\$201.36	\$403
Connection to exhaust fan	1	ea	\$223.83	\$224
Connection to exhaust fan	1	ea	\$240.00	\$240
Connection to exhauster	1	ea	\$201.36	\$201
Connection to refrigerated locker	1	ea	\$201.36	\$201
Connection to secure vestibule door	1	ea	\$201.36	\$201
Connection to variable air volume terminal unit	8	ea	\$201.36	\$1,611
Connection to wall mounted dehumidifier	3	ea	\$201.36	\$604
Disconnect switch, motor rated N1	7	ea	\$136.06	\$952
Disconnect switch, motor rated N3R	1	ea	\$240.70	\$241
Disconnect switch, 30/3 fused N3R	1	ea	\$934.17	\$934
Equipment feeder, 20 amp	665	lf	\$17.91	\$11,909
Equipment feeder, 30 amp	65	lf	\$19.70	\$1,280
Conduit, 3/4" emt	4745	lf	\$9.24	\$43,829
Convenience power				
Duplex receptacle, 20 amp	52	ea	\$115.14	\$5,987
Duplex receptacle, 20 amp - dedicated	5	ea	\$115.14	\$576
Double duplex receptacle, 20 amp	6	ea	\$151.93	\$912
Duplex receptacle, 20 amp GFCI	9	ea	\$132.51	\$1,193
Duplex receptacle, 20 amp GFCI, wp	1	ea	\$141.24	\$141
Power/data flush floor	1	ea	\$441.83	\$442
Power/tele-data flush floor	2	ea	\$649.87	\$1,300
Door bell, hardwired, 2-note	1	ea	\$95.54	\$96
Receptacle, 30 amp, twist-lock	1	ea	\$138.13	\$138
Branch power, 20 amp	1,925	lf	\$16.82	\$32,370
Branch power, 30 amp	65	lf	\$19.70	\$1,280

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***Existing Police Department Renovation Detail Elements***

<b>Element</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total</b>
Lighting and lighting control				
Type C1-12, 10'-11" concealed millwork	2	ea	\$1,217.50	\$2,435
Type P2, 4'-0" linear pendant industrial	1	ea	\$268.97	\$269
Type P2-H, 4'-0" linear pendant industrial strip	30	ea	\$290.21	\$8,706
Type R1-2, 2'-0" x 2'-0" recessed LED troffer	21	ea	\$255.22	\$5,360
Type R1-4, 2'-0" x 4'-0" recessed LED troffer	13	ea	\$275.39	\$3,580
Type R4-8, 8'-0" recessed linear LED	3	ea	\$811.67	\$2,435
Type R7, 4" recessed downlight	2	ea	\$286.26	\$573
Type S3, 4'-0" surface mounted linear strip light	17	ea	\$245.91	\$4,180
Type S4, 4'-0" high lumen vehicle inspection	24	ea	\$404.70	\$9,713
Type S5, 4'-0" corrosion resistant surface mounted	3	ea	\$311.76	\$935
Type W1-12, 12'-0" wall mounted	1	ea	\$1,217.50	\$1,218
Type W2, 2'-0" linear mirror light	2	ea	\$257.41	\$515
Type W5, vertical wall mounted 4'-0" high lumen	3	ea	\$493.87	\$1,482
Exit sign pendant	3	ea	\$238.43	\$715
Single pole switch	1	ea	\$124.06	\$124
Dimmer switch	13	ea	\$253.11	\$3,290
Occupancy sensor, ceiling mounted	30	ea	\$294.98	\$8,849
Occupancy sensor, wall mounted	7	ea	\$248.08	\$1,737
Lighting branch power, fixtures	1,875	lf	\$16.82	\$31,529
Lighting branch power, controls	350	lf	\$15.72	\$5,503
Conduit, 3/4" emt	925	lf	\$9.24	\$8,544
Lighting control cable	1,110	lf	\$3.22	\$3,575
Additional electrical requirements				
Firestopping electrical	6,780	sf	\$0.37	\$2,520
Seismic bracing/Miscellaneous supports	6,780	ea	\$0.43	\$2,940
Electrical temporary power	6,780	sf	\$1.55	\$10,502
Equipment rentals	6,780	sf	\$0.62	\$4,201
Commissioning, planning, and coordination	1	ea	\$1,951.18	\$1,951
<b>Subtotal - Electrical</b>				<b><u>\$312,168</u></b>

**27 Communications**

Voice and data system (infrastructure only, excluding devices and head-end equipment)

Tele/data outlet, 1 port	8	ea	\$121.34	\$971
Wireless access point, back box only	2	ea	\$103.75	\$207
Conduit, 1" emt	100	lf	\$10.90	\$1,090
CAT-6, 4 pair 23 AWG, UTP	3,000	lf	\$1.18	\$3,535

**Campbell Police Operations Building  
Existing Police Department Renovation  
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***Existing Police Department Renovation Detail Elements***

Element	Quantity	Unit	Unit Cost	Total
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Audio-video system				
Audio-video outlet, rough-in only	6	ea	\$255.24	\$1,531
Conduit, 1 1/4" emt	90	lf	\$15.23	\$1,371

***Subtotal - Communications***      **\$8,706**

**28 *Electronic Safety and Security***

Closed circuit television system (infrastructure only, excluding devices and head-end equipment)				
Camera, fixed - rough-in only	9	ea	\$74.64	\$672
Camera, multi directional - rough-in only	1	ea	\$178.32	\$178
Intercom master station - rough-in only	1	ea	\$74.64	\$75
Intercom remote station - rough-in only	1	ea	\$74.64	\$75
Video monitor - rough-in only	1	ea	\$74.64	\$75
Conduit, 1 1/4" emt	195	lf	\$15.23	\$2,970

Access control system (infrastructure only, excluding devices and head-end equipment)				
Card reader - rough-in only	11	ea	\$165.13	\$1,816
Card reader, extended range - rough-in only	4	ea	\$165.13	\$661
Card reader, keypad combination - rough-in only	1	ea	\$165.13	\$165
Door release button - rough-in only	2	ea	\$74.64	\$149
Motion detector - rough-in only	3	ea	\$74.64	\$224
Conduit, 3/4" emt	1,785	lf	\$9.24	\$16,488

Security system (infrastructure only, excluding devices and head-end equipment)				
Panic button - rough-in only	1	ea	\$74.64	\$75
Arming station - rough-in only	1	ea	\$74.64	\$75
Conduit, 3/4" emt	85	lf	\$9.24	\$785

Fire alarm system (tie into existing system)				
Fire alarm system, addressable - includes speakers, strobes, horns, conduit and wire.	6,780	sf	\$3.00	\$20,340

***Subtotal - Electronic Safety and Security***      **\$44,822**

**Sitework**

**Sitework Summary**

Element	Gross Site Area	63,839 SF	Total	Cost/SF
01	General Requirements		Included in General Conditions	
02	Existing Conditions		\$195,433	\$3.06
26	Electrical		\$608,207	\$9.53
27	Communications		\$66,182	\$1.04
28	Electronic Safety and Security			
31	Earthwork		\$161,105	\$2.52
32	Exterior Improvements		\$1,923,304	\$30.13
33	Utilities		\$539,244	\$8.45
34	Transportation		\$25,000	\$0.39
48	Electric Power Generation			
	Subtotal		\$3,518,474	\$55.11
	General Conditions	9.00%	\$316,663	\$4.96
	Subtotal		\$3,835,137	\$60.08
	Overhead and Profit (OH&P)	4.00%	\$153,405	\$2.40
	Subtotal		\$3,988,543	\$62.48
	Bonds & Insurance	2.40%	\$95,725	\$1.50
	Subtotal		\$4,084,268	\$63.98
	Design Contingency	2.50%	\$102,107	\$1.60
	Subtotal		\$4,186,374	\$65.58
	Escalation to MOC, 04/29/23	6.61%	\$276,876	\$4.34
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>			<b>\$4,463,250</b>	<b>\$69.91</b>

***Sitework Detail Elements***

<b>Element</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total</b>
<b>02 Existing Conditions</b>				
Site demolition				
Storm drain pipe	338	lf	\$27.41	\$9,264
Storm drain frame and grate only	3	ea	\$234.23	\$703
Electric box	1	ea	\$1,301.25	\$1,301
Remove light standard and footing	4	ea	\$1,093.05	\$4,372
Remove and relocate gas meter	1	ea	\$687.06	\$687
Air conditioning unit	1	ea	\$353.94	\$354
Retaining wall and footing	337	lf	\$36.44	\$12,279
Sign and post	17	ea	\$78.08	\$1,327
Concrete curb	1,230	lf	\$8.13	\$10,003
Concrete curb and gutter	221	lf	\$14.64	\$3,235
Stairway structure	1	ls	\$1,249.20	\$1,249
Chain-link fence gate, double	1	pr	\$273.26	\$273
Chain-link fence gate, single	2	ea	\$117.11	\$234
Chain-link fence and footing	285	lf	\$7.63	\$2,176
Bollard and footing	1	ea	\$117.11	\$117
Concrete pavement, sidewalk	10,069	sf	\$2.08	\$20,964
AC pavement	42,064	sf	\$0.88	\$37,220
Landscape	13,466	sf	\$0.26	\$3,505
Building structure	3,092	sf	\$7.81	\$24,141
Sawcut, AC pavement	715	lf	\$4.68	\$3,349
Sawcut, concrete pavement	109	lf	\$7.81	\$851
Trees	18	ea	\$520.50	\$9,369
Adjust existing electrical vault rim to new finish grade	3	ea	\$1,821.75	\$5,465
Hauling and disposal, allowance	1	ls	\$36,743.47	\$36,743
Hazmat abatement, not included				Excluded
Miscellaneous demolition	50	hr	\$75.00	\$3,750
Protect existing to remain	1	ls	\$2,500.00	\$2,500
<b>Subtotal - Existing Conditions</b>				<b><u>\$195,433</u></b>

**Campbell Police Operations Building**  
**Sitework**  
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**Sitework Detail Elements**

Element	Quantity	Unit	Unit Cost	Total
<b>26 Electrical</b>				
Distribution equipment				
Distribution board, 600 amp, 480/277v, 3ph, 4w	1	ea	\$30,122.06	\$30,122
Generator, diesel, 400kW, 480v, 3ph, 4w	1	ea	\$188,121.46	\$188,121
Portable generator tap box, 400 amp, 480/277v, 3ph, 4w	1	ea	\$10,802.18	\$10,802
Automatic transfer switch, 200/4	1	ea	\$7,613.33	\$7,613
Automatic transfer switch, 400/4	1	ea	\$11,553.15	\$11,553
Load bank, 2000kW	1	ea	\$69,933.39	\$69,933
Feeder, 400 amp, 3P, 4W, emt	110	lf	\$187.70	\$20,647
Feeder, 600 amp, 3P, 4W, emt	120	lf	\$334.05	\$40,086
Feeder, 200 amp, 3P, 4W, PVC	110	lf	\$77.59	\$8,535
Feeder, 5" PVC - Utility Primary	60	lf	\$41.35	\$2,481
Feeder, (4) 5" PVC - Utility Secondary	70	lf	\$165.41	\$11,579
Trenching, backfill and compaction	250	lf	\$56.28	\$14,069
HVAC and equipment connections				
Connection to stormwater lift station	2	ea	\$240.00	\$480
Disconnect switch, 30/3 fused N3R	2	ea	\$934.17	\$1,868
Equipment feeder, 30 amp	200	lf	\$19.70	\$3,940
Convenience power				
Duplex receptacle, 20 amp GFCI, wp	2	ea	\$141.24	\$282
Junction box, wp	2	ea	\$76.95	\$154
Branch power, 20 amp	260	lf	\$16.82	\$4,372
Conduit, 2" pvc	500	lf	\$12.86	\$6,430
Trenching, backfill and compaction	500	lf	\$37.07	\$18,534
Lighting and lighting control				
Type ZS1, surface mounted linear LED	8	ea	\$462.90	\$3,703
Type ZN2-T3, 25'-0" LED single head parking pole	7	ea	\$7,828.09	\$54,797
Type ZN2-T4, 25'-0" LED single head parking pole	5	ea	\$7,828.09	\$39,140
Type ZN3-T3, 25'-0" LED double head parking pole	4	ea	\$8,261.78	\$33,047
Lighting branch power, fixtures	360	lf	\$16.82	\$6,054
Trenching, backfill and compaction	360	lf	\$37.07	\$13,345
Additional electrical requirements				
Equipment rentals	1	ea	\$6,517.80	\$6,518
<b>Subtotal - Electrical</b>				<b><u>\$608,207</u></b>

**Campbell Police Operations Building**  
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**Sitework Detail Elements**

Element	Quantity	Unit	Unit Cost	Total
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**27 Communications**

Site communications

Conduit, 2" pvc	550	lf	\$12.86	\$7,073
Conduit, 4" pvc	1,400	lf	\$27.67	\$38,738
Fiber optic, 24 strand, multi-mode, OM4, OSP	300	lf	\$8.23	\$2,470
Telephone, 25 pair 24 AWG, OSP	300	lf	\$3.39	\$1,017
Trenching, backfill and compaction	300	lf	\$56.28	\$16,883

**Subtotal - Communications** **\$66,182**

**31 Earthwork**

Earthwork

Field staking / layout, 3 person crew	3	day	\$3,052.30	\$9,157
Rough grading, cut (quantity per LPA)	4,600	cy	\$8.85	\$40,703
Rough grading, fill (quantity per LPA)	1,800	cy	\$7.13	\$12,836
Haul excess, 10 mile round trip	2,800	cy	\$20.82	\$58,296
Fine grading	63,839	sf	\$0.21	\$13,291

Erosion control, allowance

Stabilized entrance	450	sf	\$8.85	\$3,982
Corrugated steel panel	371	sf	\$36.44	\$13,517
Gravel bag	270	lf	\$8.85	\$2,389
Inlet protection	11	ea	\$312.30	\$3,435
BMP's maintenance	1	ls	\$3,499.00	\$3,499

**Subtotal - Earthwork** **\$161,105**

**32 Exterior Improvements**

AC paving, heavy duty AC pavement, 4" AC o/ 12" AB	585	sf	\$9.42	\$5,508
AC paving, heavy duty AC pavement, 4" AC o/ 12" AB, trench infill	1,050	sf	\$14.39	\$15,105
Hauling	26	cy	\$19.26	\$505

Hardscape

Pervious vehicular concrete				
Pervious concrete, 8" thick	24,455	sf	\$14.00	\$342,370
3" thick - 3/4" crushed drain rock	24,455	sf	\$0.72	\$17,599
5" thick - #2 crushed stone	24,455	sf	\$2.71	\$66,248
Filter fabric	24,455	sf	\$0.42	\$10,183

# Campbell Police Operations Building

## Sitework

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### Sitework Detail Elements

Element	Quantity	Unit	Unit Cost	Total
Pervious pedestrian concrete				
Pervious concrete, 6" thick	3,065	sf	\$13.00	\$39,845
6" thick - 3/4" crushed drain rock	3,065	sf	\$1.22	\$3,745
Filter fabric	3,065	sf	\$0.42	\$1,276
Impervious concrete				
Vehicular, natural gray, 7" thick o/ 6" AB	6,348	sf	\$16.52	\$104,888
Pedestrian, natural gray, 4" thick o/ 4" AB	1,809	sf	\$10.77	\$19,489
Pedestrian, natural gray, top cast, 4" thick o/ 4" AB	4,035	sf	\$14.20	\$57,301
Pedestrian, top cast with integral color, 4" thick o/ 4" AB	2,513	sf	\$16.35	\$41,076
Pedestrian, natural gray, 4" thick o/ 4" AB including drilled dowel with epoxy anchor, trench infill	116	sf	\$43.08	\$4,997
Concrete tie-in	18	lf	\$31.23	\$562
Concrete curb, gutter and ramp				
Tactile warning tiles	194	sf	\$29.20	\$5,664
Concrete curb and gutter	85	lf	\$38.63	\$3,284
Concrete curb, straight	901	lf	\$16.64	\$14,993
Concrete curb, radius	128	lf	\$33.69	\$4,312
Rolled curb	45	lf	\$23.58	\$1,061
Continuous pedestrian curb ramp	229	sf	\$18.22	\$4,172
Continuous pedestrian curb ramp, top cast with integral color	312	sf	\$23.67	\$7,385
Reconstruct concrete curb and gutter	161	lf	\$15.62	\$2,514
Cross gutter	235	sf	\$13.01	\$3,058
Striping / signage				
Precast concrete wheel stop	30	ea	\$105.91	\$3,177
Parking stall	63	ea	\$41.64	\$2,623
ADA pavement marking	5	ea	\$171.77	\$859
ADA signage including post and foundation	5	ea	\$390.38	\$1,952
Hatched striping	1,566	sf	\$5.62	\$8,803
Sign and post including footing, "DO NOT ENTER/EXIT ONLY"	2	ea	\$468.45	\$937
Site fence and walls				
Torxun bi-folding gate system	1	ls	\$129,412.47	\$129,413
24'-0" bi-folding swing gate operator on each side	1	ea		Included above
20'-0" bi-folding swing gate operator on each side	2	ea		Included above
Installation	320	hr	\$98.90	\$31,647
Perforated metal pedestrian gate, 4'-6" x 8'-0" H	3	ea	\$3,185.46	\$9,557
CMU block with bead blast finish, retaining wall, 3'-0" H	654	sf	\$40.23	\$26,314
Footing, 4'-6" W x 2'-0" T, retaining wall	218	lf	\$327.43	\$71,381
CMU block precision finish, retaining wall, 2'-6" H	395	sf	\$37.27	\$14,721
Footing, 3'-0" W x 2'-0" T, perimeter fence, 2'-6" H	158	lf	\$218.07	\$34,455

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**Sitework Detail Elements**

Element	Quantity	Unit	Unit Cost	Total
CMU block with bead blast finish, perimeter fence, 8'-0" H	1,024	sf	\$40.23	\$41,201
Footing, 4'-6" W x 2'-0" T, retaining wall	128	lf	\$273.76	\$35,041
Precast concrete cap	504	lf	\$30.00	\$15,120
Precast concrete fence/screening wall and pier foundation	2,785	sf	\$67.67	\$188,447
Custom perforated metal fence w/ solid plate backing, steel frame and post, 8'-0" H	136	lf	\$780.75	\$106,182
<b>Trash enclosure</b>				
Concrete pavement, vehicular			Included in hardscape	
Free standing CMU wall	936	sf	\$39.04	\$36,539
CMU wall footing, allow 4'-0" W x 24" T	117	lf	\$227.22	\$26,585
Roofing, HSS steel post and frame with corrugated metal roof, allowance	708	sf	\$68.71	\$48,644
Gutter	34	lf	\$31.23	\$1,062
Metal gate, 2'-6" W opening, single	1	ea	\$1,301.25	\$1,301
Metal gate, 8'-6" W opening, double	2	ea	\$4,007.85	\$8,016
<b>Fuel island</b>				
Underground tanks, existing to remain				Excluded
Adjust fuel tank cover to match new grade	4	ea	\$1,000.00	\$4,000
Relocate pump, allowance	1	ls	\$12,500.00	\$12,500
<b>Site specialties, signage and furnishings</b>				
Stair handrail, steel	40	lf	\$98.90	\$3,956
Ramp handrail, stainless steel	138	lf	\$182.18	\$25,140
Concrete stair cast on ground, top cast with integral color	80	lf nose	\$88.49	\$7,079
Fixed security bollard, steel, concrete filled, 8" Ø, allowance	25	ea	\$1,660.16	\$41,504
Flagpole including foundations	3	ea	\$8,848.50	\$26,546
Cast in place seat wall, 18" W x 48" D, top cast with integral color	18	lf	\$368.98	\$6,642
Site signage, allowance	1	ls	\$6,500.00	\$6,500
<b>Landscape and irrigation</b>				
Boulder slab	9	ea	\$853.50	\$7,681
Soil preparation	10,714	sf	\$0.78	\$8,365
Synthetic turf	824	sf	\$11.29	\$9,307
Stabilized decomposed granite	192	sf	\$5.05	\$969
Metal edging	122	sf	\$11.90	\$1,451
Sod	1,660	sf	\$2.60	\$4,320
Trees, 48" box	3	ea	\$1,025.39	\$3,076
Trees, 36" box	10	ea	\$702.68	\$7,027
Trees, 24" box	4	ea	\$525.00	\$2,100

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**Sitework Detail Elements**

Element	Quantity	Unit	Unit Cost	Total
Shrub, 15 gal	56	ea	\$67.67	\$3,789
Shrub, 5 gal	1,350	ea	\$36.44	\$49,187
Shrub, 1 gal	625	ea	\$20.42	\$12,765
Vines, 5 gal	27	ea	\$50.49	\$1,363
Mulch to shrub area - bark mulch	10,714	sf	\$1.41	\$15,057
Irrigation, planting and sod areas	12,374	sf	\$3.38	\$41,864
			<b>Subtotal - Exterior Improvements</b>	<b><u>\$1,923,304</u></b>

**33 Utilities**

Fire water

Backflow preventer including metal enclosure, 3" Ø	1	ea	\$5,667.16	\$5,667
Backflow preventer, 6" Ø	1	ea	\$7,947.28	\$7,947
Building POC, temp cap and label	2	ea	\$390.38	\$781
Connect to (E) mainline, hot tap	3	ea	\$3,643.50	\$10,931
FDC	1	ea	\$2,320.27	\$2,320
Fire hydrant	1	ea	\$5,048.85	\$5,049
Pipe, 3" pvc, including trench and backfill	45	lf	\$78.08	\$3,513
Pipe, 6" pvc, including trench and backfill	100	lf	\$98.90	\$9,890
Gate valve with valve box extension, 3" Ø, NRS	1	ea	\$2,137.82	\$2,138
Gate valve with valve box extension, 6" Ø, NRS	2	ea	\$4,568.59	\$9,137
PIV	1	ea	\$4,007.85	\$4,008
Thrust block	2	ea	\$364.35	\$729

Domestic water

Backflow preventer, 3" Ø	1	ea	\$4,365.91	\$4,366
Building POC, temp cap and label	1	ea	\$260.25	\$260
Connect to (E) line	2	ea	\$2,602.50	\$5,205
Pipe, 2" pvc, including trench and backfill	70	lf	\$61.47	\$4,303
Pipe, 3" pvc, including trench and backfill	15	lf	\$67.67	\$1,015
Gate valve with valve box extension, 2" Ø, NRS	2	ea	\$1,654.82	\$3,310
Meter, 2" Ø	2	ea	\$859.40	\$1,719

Sanitary sewer

Adjust existing clean-out rim to new finish grade	1	ea	\$364.35	\$364
Bldg. POC, temp cap and label	2	ea	\$260.25	\$521
Connect new line to existing line	3	ea	\$1,301.25	\$3,904
Floor drain	1	ea	\$780.75	\$781
SS cleanout	2	ea	\$1,145.10	\$2,290
Pipe, 4" pvc, including trench and backfill	82	lf	\$81.25	\$6,663
Pipe, 6" pvc, including trench and backfill	32	lf	\$95.81	\$3,066

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**Sitework Detail Elements**

Element	Quantity	Unit	Unit Cost	Total
Natural gas				
Relocate gas meter	1	ea	\$1,301.25	\$1,301
Gas line	60	lf	\$78.08	\$4,685
Connect to existing line	1	ea	\$1,197.15	\$1,197
Irrigation line				
Backflow preventer , allow 3" Ø	1	ea	\$4,365.91	\$4,366
Gate valve with valve box extension, 3" Ø, NRS	1	ea	\$2,137.82	\$2,138
Pipe, 3" pvc, including trench and backfill	30	lf	\$67.67	\$2,030
Meter, 3" Ø	1	ea	\$3,998.88	\$3,999
Connect to existing line	1	ea	\$1,301.25	\$1,301
Storm drain				
Adjust existing manhole rim to new finish grade	1	ea	\$780.75	\$781
Drain inlet, 12" x 12"	5	ea	\$868.30	\$4,342
Bioretention outfall	4	ea	\$520.50	\$2,082
Remove and replace existing drain inlet and reconnect to existing line, 18" x 18"	3	ea	\$1,873.80	\$5,621
Drain inlet, 18" x 18"	3	ea	\$1,249.20	\$3,748
Dual pump storm drain lift station, Model 360D	1	ea	\$93,865.63	\$93,866
Dual pump storm drain lift station, Model 472D	1	ea	\$131,059.69	\$131,060
Bldg. RD POC, temp cap and label	7	ea	\$260.25	\$1,822
Roof drain outfall direct to planter	1	ea	\$312.30	\$312
Cleanout	12	ea	\$1,145.10	\$13,741
Area drain	2	ea	\$468.45	\$937
Connect to (E) main line	2	ea	\$1,821.75	\$3,644
Trench drain	148	lf	\$260.25	\$38,517
Bioretention basin	863	sf	\$15.62	\$13,476
Pipe, 4" pvc, perforated	160	lf	\$46.85	\$7,495
Pipe, 4" pvc, including trench and backfill	175	lf	\$71.84	\$12,572
Pipe, 6" pvc, including trench and backfill	255	lf	\$84.20	\$21,470
Pipe, 8" pvc, including trench and backfill	520	lf	\$86.83	\$45,152
Pipe, 10" pvc, including trench and backfill	170	lf	\$104.21	\$17,716
<b>Subtotal - Utilities</b>				<b><u>\$539,244</u></b>

**34 Transportation**

Traffic control, allowance	1	ls	\$25,000.00	<u>\$25,000</u>
<b>Subtotal - Transportation</b>				<b><u>\$25,000</u></b>