



Interior Light Fixture Replacement, DISTRICT-WIDE

October 19, 2018

Topics:

- Contract & Scope of Work Purpose
- Snapshot of Technical Specifications
- The Bid Form
- The Scenario
- Subcontractors

Purpose of Such a Contract & Scope of Work

- Interior light fixture installation/replacement under Proposition 39 K-12 Program
 - 40,000 light fixtures (approximately)
 - Contract duration: 365 Days
 - The amount of contract: \$6,500,000
 - If bidding **other than the specified light fixtures** listed in the Technical Specifications, samples/substitutions **MUST** be submitted at time of bid submittal. (Page 8)
- May requires various trades

Snapshot of Technical Specifications

- Individual project proposals
- Materials per (page 30)
- The District's Design Standard
 - <http://measurek.net/fds/list.html>
- Submitting proposals within 72 hours (page27)
 - liquidated damages



MEASURE K SCHOOL BONDS
Building for 21st Century Learning

Long Beach Unified School District Measure K Facilities Design Standards

Click here to submit file(s) for upload to this repository.

Volume 1 - Design Standards

Volume 2 - Specifications

Volume 3 - Document Standards

Volume 4 - Planning Standards

Snapshot of Technical Specifications *(Continue)*

<https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>

- Proposals Shall Include:

- Durations; liquidated damages may be applied
- Number of **labor hours** and **rates** (assigned to the project), categorized per craft and based on journey level, and per GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS ; PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1; FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS (see APPENDIX "A").

UPDATED 03-05-18				BASIC HOURLY RATE (A)	FRINGE BENEFITS (B)					STRAIGHT TIME HOURLY RATE (A+B)	OVER TIME HOURLY RATE		
CRAFT (JOURNEY LEVEL)	ISSUE DATE	EXPIRATION DATE	HEALTH AND WELFARE		PENSION	VACATION/HOLIDAY	TRAINING AND/OR OTHER	OTHER PAYMENTS	DAILY / SATURDAY		SUNDAY / HOLIDAY		
COLUMNS TO BE USED													
ASBESTOS WORKER													
MECHANIC ASBESTOS WORKER, HEAT AND FROST INSULATOR	08/22/17	07/01/18 **	100	39,720	9,140	8,610	2,990	0,840	-	51,260	80,000	100,000	
HAZARDOUS MATERIAL HANDLER	08/22/18	07/02/17 *	104	18,380	4,540	6,060	-	0,220	-	29,200	38,39	38,39	
ASBESTOS AND CERAMIC TILE WORKER (LABORER)	02/22/18	06/30/18 *		33,190	7,000	7,460	F 4,460	0,750	108	0,390	53,24	88,84	95,43
BRICKLAYER, STONEMASON													
TERRAZZO MASON, CEMENT BLOCKLAYER, POINTER, CALLKER, CLEANER	08/22/17	04/30/18 **	A	39,910	8,000	7,430	-	0,870	0,450	56,66	76,62	96,57	
BRICK TENDER	08/22/17	06/30/18 **		31,360	7,120	7,530	F 4,100	0,850	0,440	51,20	66,88	82,56	
FORKLIFT OPERATOR	08/22/17	06/30/18 **		31,810	7,120	7,530	F 4,100	0,650	0,440	51,65	67,56	83,46	
CARPENTER AND RELATED TRADES													
CARPENTER, CABINET INSTALLER, INSULATION INSTALLER, HARDWOOD FLOOR WORKER, ACoustICAL INSTALLER	08/22/17	06/30/18 **	112	41,250	7,100	4,910	F 5,600	0,570	0,390	59,82	80,45	101,07	
MELWRIGHT	08/22/17	06/30/18 **	100	41,750	7,100	4,910	F 5,600	0,570	0,590	60,52	81,40	102,27	
PNEUMATIC NAILER OR POWER STAPLER	08/22/17	06/30/18 **		41,500	7,100	4,910	F 5,600	0,570	0,390	60,07	80,82	101,57	
ROOF LOADER OF SHINGLES	08/22/17	06/30/18 **		28,970	7,100	4,910	F 5,600	0,570	0,390	47,54	62,63	76,51	
SCAFFOLD BUILDER	08/22/17	06/30/18 **		32,450	7,100	4,910	F 5,600	0,570	0,390	51,02	67,25	83,47	
SHINGLER	08/22/17	06/30/18 **	100	41,380	7,100	4,910	F 5,600	0,570	0,390	59,95	80,64	101,33	
TABLE POWER SAW OPERATOR	08/22/17	06/30/18 **		41,350	7,100	4,910	F 5,600	0,570	0,390	59,92	80,60	101,27	
CARPET, LINOLEUM													
RESILIENT TILE LAYER	08/22/17	04/30/18 **	0	32,350	5,330	6,550	2,050	0,630	0,280	47,19	63,37	79,54	
CEMENT MASON													
CEMENT MASON, CURB AND GUTTER MACHINE OPERATOR, CLAY AND SIMILAR TYPE OF SCREED OPERATOR (CEMENT ONLY), GRINDING MACHINE OPERATOR (ALL TYPES), JACKSON VIBRATORY, TEXAS SCREED AND SIMILAR TYPE SCREED OPERATOR, SCORING MACHINE OPERATOR	08/22/17	06/30/18 **		34,500	7,770	8,860	F 6,710	0,640	0,270	58,75	76,00	93,25	
MAGNESITE, MAGNESITE-TERRAZZO AND MASTIC COMPOSITION, EPOXY, URETHANES AND EXOTIC COATINGS, DEWOTEX	08/22/17	06/30/18 **		34,620	7,770	8,860	F 6,710	0,640	0,270	58,87	76,18	93,49	
FLOATING AND TROWELLING MACHINE OPERATOR	08/22/17	06/30/18 **		34,750	7,770	8,860	F 6,710	0,640	0,270	59,00	76,38	93,75	
DRIVER (NON-LOADING TO/FROM CONSTRUCTION SITE)													

APPENDIX A

UPDATED 03-05-18

CRAFT (JOURNEY LEVEL)	ISSUE DATE	EXPIRATION DATE	BASIC HOURLY RATE (A)	FRINGE BENEFITS (B)					STRAIGHT TIME HOURLY RATE (A+B)	OVER TIME HOURLY RATE	
				HEALTH AND WELFARE	PENSION	VACATION/HOLIDAY	TRAINING AND/OR OTHER	OTHER PAYMENTS		DAILY / SATURDAY	SUNDAY / HOLIDAY
ASBESTOS WORKER										COLUMNS TO BE USED	
# MECHANIC: ASBESTOS WORKER, HEAT AND FROST INSULATOR	08/22/17	07/01/18 **	30 39,720	31 9,140	40 8,010	2,990	0,640	-	50,70	50,50	100,62
# HAZARDOUS MATERIAL HANDLER MECHANIC	08/22/18	07/02/17 *	34 18,390	32 4,540	6,080	-	0,220	-	29,20	38,39	116 38,39
# ASBESTOS AND LEAD ABATEMENT WORKER (LABORER)	02/22/18	09/30/18 *	33,190	7,000	7,460	F 4,460	0,750	38 0,390	53,24	69,84	86,43
# BRICKLAYER, STONEMASON, MARBLE MASON, CEMENT BLOCKLAYER, POINTER, CALLKER, CLEANER	08/22/17	04/30/18 **	A 39,910	8,000	7,430	-	B 0,870	0,450	C 56,66	D 76,62	96,57
# BRICK TENDER	08/22/17	06/30/18 **	31,360	7,120	7,530	F 4,100	0,650	0,440	C 51,20	66,88	82,56
FORKLIFT OPERATOR	08/22/17	06/30/18 **	31,810	7,120	7,530	F 4,100	0,650	0,440	C 51,65	67,56	83,46
# CARPENTER AND RELATED TRADES											
# CARPENTER, CABINET INSTALLER, INSULATION INSTALLER, HARDWOOD FLOOR WORKER, ACOUSTICAL INSTALLER	08/22/17	06/30/18 **	18 41,250	7,100	4,910	F 5,600	0,570	0,390	59,62	117 80,45	101,07
MILLWRIGHT	08/22/17	06/30/18 **	110 41,750	7,100	4,910	F 5,600	0,570	0,590	60,52	117 81,40	102,27
PNEUMATIC NAILER OR POWER STAPLER	08/22/17	06/30/18 **	41,500	7,100	4,910	F 5,600	0,570	0,390	60,07	117 80,82	101,57
ROOF LOADER OF SHINGLES	08/22/17	06/30/18 **	28,970	7,100	4,910	F 5,600	0,570	0,390	47,54	117 62,03	76,51
SCAFFOLD BUILDER	08/22/17	06/30/18 **	32,450	7,100	4,910	F 5,600	0,570	0,390	51,02	117 67,25	83,47
SHINGLER	08/22/17	06/30/18 **	110 41,380	7,100	4,910	F 5,600	0,570	0,390	59,95	117 80,64	101,33
TABLE POWER SAW OPERATOR	08/22/17	06/30/18 **	41,350	7,100	4,910	F 5,600	0,570	0,390	59,92	117 80,60	101,27
# CARPET, LINOLEUM, RESILIENT TILE LAYER	08/22/17	04/30/18 **	G 32,350	5,330	6,550	2,050	0,630	0,280	47,19	H 63,37	79,54
# CEMENT MASON											
CEMENT MASON, CURB AND GUTTER MACHINE OPERATOR; CLARY AND SIMILAR TYPE OF SCREED OPERATOR (CEMENT ONLY); GRINDING MACHINE OPERATOR (ALL TYPES); JACKSON VIBRATORY, TEXAS SCREED AND SIMILAR TYPE SCREED OPERATOR; SCORING MACHINE OPERATOR	08/22/17	06/30/18 **	34,500	7,770	8,860	F 6,710	0,640	0,270	58,75	118 76,00	93,25
MAGNESITE, MAGNESITE-TERRAZZO AND MASTIC COMPOSITION, EPOXY, URETHANES AND EXOTIC COATINGS, DEXO-TEX	08/22/17	06/30/18 **	34,620	7,770	8,860	F 6,710	0,640	0,270	58,67	118 76,18	93,49
FLOATING AND TROWELLING MACHINE OPERATOR	08/22/17	06/30/18 **	34,750	7,770	8,860	F 6,710	0,640	0,270	59,00	118 76,38	93,75
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)											

Snapshot of Technical Specifications *(Continue)*

- Equipment Costs:
 - Rental, plus Contractor's overhead and profit
 - Contractor's Owned
 - latest update of California State Transportation Agency (CALTRANS)'s Labor Surcharge and Equipment Rental Rates (Cost of Equipment Ownership) Handbook (<http://www.dot.ca.gov/hq/construc/equipmnt.html>), plus Contractor's overhead and profit
- Material costs (per submitted invoices), plus Contractor's overhead and profit
- Contractor's Overhead & Profit, and Subcontractor Markup Percentage



The screenshot shows the CALTRANS website page for "Equipment Rental Rates and Labor Surcharge". The page header includes the CALTRANS logo, the text "CALTRANS DIVISION OF CONSTRUCTION", and the "DEPARTMENT OF TRANSPORTATION" logo. A breadcrumb trail reads "Caltrans > Business > Construction >". The main heading is "Equipment Rental Rates and Labor Surcharge". Below the heading, a paragraph states: "Full page versions of the Labor Surcharge & Equipment Rental Rate Book are available in Adobe PDF format below. The Acrobat Viewer, needed to view this document, can be downloaded directly from Adobe's software site. We strongly recommend that you configure your browser to be linked directly to the Acrobat Reader, to make viewing of these documents a seamless process." There is a "Get ADOBE READER" button. Below this, there are two sections: "FREQUENTLY ASKED QUESTIONS" with a link to "Frequently Asked Questions [pdf]", and "LABOR SURCHARGE & EQUIPMENT RENTAL RATE INFORMATION IN PDF FORMAT" with five links to PDF books for different time periods: "Rental Rate Book April 1, 2016 through March 31, 2017 [PDF]", "Rental Rate Book April 1, 2015 through March 31, 2016 [PDF]", "Rental Rate Book April 1, 2014 through March 31, 2015 [PDF]", "Rental Rate Book April 1, 2013 through March 31, 2014 [PDF]", and "Rental Rate Book April 1, 2012 through March 31, 2013 [PDF]".

Snapshot of Technical Specifications *(Continue)*

- Bond Costs
- No Change Order – Approved Revised Proposal (Page 27)
- Revisions and Additions to General Conditions and Supplementary General Conditions

The Bid Form (including the scenario)

BID FORM						
Item	Contractor's Cost (O&P not included)		Contractor's O&P (%)		Total Contractor's O&P (\$)	TOTAL (Including O&P)
	A		B		C	A + C
Labor**	\$28,074.98	x	%	=	\$	\$
Materials	\$96,140.00	x	%	=	\$	\$
Equipment	\$3,850.00	x	%	=	\$	\$
Subcontractors	\$9,900.00	x	%	=	\$	\$
Total Projected Scenario Cost						\$

The Scenario

- **Labor Costs: \$28,074.98 (from page 52)**
 - Sample of calculations, per “Labor Costs” table (page 26)
- **Materials Costs: \$96,140.00 (from page 52)**
- **Equipment Costs: \$3,850.00 (from page 52)**
- **Subcontractors Costs: \$9,900.00 (from page 52)**
- **Total Project Scenario Cost: (from page 52)**

Labor Costs

Journeyperson	Straight Hours			Overtime Hourly Rate					
	(1) No. of Hours	(2) Hourly Rate (\$)	Cost (\$) (1) X (2)	Saturday			Sunday & Holiday		
				(5) No. of Hours	(6) Hourly Rate (\$)	Cost (\$) (5) X (6)	(7) No. of Hours	(8) Hourly Rate (\$)	Cost (\$) (7) X (8)
Carpenter, Cabinet Installer, Insulation Installer, Hardwood Floor Worker, Acoustical Installer	17	\$59.82	\$1,016.94	7	\$80.45	\$563.15	0	\$101.07	\$0.00
Drywall Installer/ Lather	18	\$60.10	\$1,081.80	0	\$80.73	\$0.00	0	\$101.35	\$0.00
Electrician (NECA Member) INSIDE WIREMAN, RADIO MONITOR TECHNICIAN	27	\$73.45	\$1,983.15	45	\$96.00	\$4,320.00	9	\$118.54	\$1,066.86
Painter, Lead Abatement	18	\$45.27	\$814.86	14	\$60.83	\$851.62	0	\$60.83	\$0.00
Plasterer	0	\$56.70	\$0.00	0	\$74.51	\$0.00	14	\$92.31	\$1,292.34
Sheet Metal Worker (HVAC)	9	\$71.41	\$642.69	0	\$92.80	\$0.00	0	\$114.19	\$0.00
Laborer, Group 1	17	\$53.73	\$913.41	83	\$70.33	\$5,837.39	11	\$86.92	\$956.12
Asbestos & Lead Abatement Worker (Laborer)	14	\$53.24	\$745.36	0	\$69.84	\$0.00	18	\$86.43	\$1,555.74
Drywall Finisher	22	\$57.82	\$1,272.04	41	\$77.11	\$3,161.51	0	\$96.40	\$0.00
Labor Costs Subtotal (\$):			\$8,470.25			\$14,733.67			\$4,871.06

(I)

(II)

(III)

Total Labor Costs (O&P*) (\$): (I) + (II) + (III)	\$28,074.98
--	--------------------

(A)

SAMPLE BID FORM

Item	Contractor's Cost (O&P* not included)	x	Contractor's O&P* (%)	=	Total Contractor's O&P (\$)	TOTAL (Including O&P*)
	A	x	B	=	C	A + C
Labor**	\$28,074.98	x	55%	=	\$15,441.24	\$43,516.22
Materials	\$96,140.00	x	7%	=	\$6,729.80	\$102,869.80
Equipment	\$3,850.00	x	5%	=	\$192.50	\$4,042.50
Subcontractors	\$9,900.00	x	6%	=	\$594.00	\$10,494.00
Total Bid Amount						\$160,922.52

*** Overhead & Profit (O&P)**

****Labor scenario cost as per calculations in table below**

DESIGNATION OF SUBCONTRACTORS

This information must be provided at the time of submission of bid or must be provided within 24 hours after the time set for the opening of bids. Bidders who choose to provide this information within 24 hours after the time set for the opening of bids are solely responsible to ensure the District receives this information in a timely manner. The District is not responsible for any problems or delays associated with emails, faxes, delivery, etc. Absent a verified fax or email receipt date and time by the District, the District's determination of whether the information was received timely shall govern and be determinative. Bidder shall not revise or amend any other information in this form submitted at the time of bid. The information submitted at the time of bid shall govern over any conflicts, discrepancies, ambiguities or other differences in any subsequent Subcontractor Designation Forms submitted by the bidder.

Portion of Work (Trade)	Subcontractor Name	Location of Business (City, State)	Contractor License Number	DIR Registration Number	O&P Markup on Laborer* (%)	O&P Markup on Materials* (%)	O&P Markup on Equipment* (%)
Asbestos & Lead abatement/stabilization (limited to the areas for performing tasks, related to categories below)							
Carpentry							
Cement Mason							
Drywall							
Electrical							
Low Voltage Systems							
Painting							
Plastering							
Roofing							
Sheet Metal							

*O&P refer to each subcontractor's Overhead and Profit. The bidder's O&P markup percentages from the bid form will apply to O&P related cells in this form if the bidder leaves O&P related cells blank in this form, or substitute any subcontractor and / or hire a new subcontractor after award of the contract. NOTE: The O&P% markup for subcontractors are for informational purposes only, they will have NO effect on award.

Proper Name of Bidder:

Name: _____

Signature of Bidder

Representative: _____

Address: _____

Phone: _____

?

Questions