



RSMeans[®] Heavy Construction Cost Data

Large civil projects including marine,
waterways, airports, highways, and tunnels

29th annual edition

2015

Cost data from the most trusted
source in North America

01 54 | Construction Aids

01 54 33 | Equipment Rental

			UNIT	HOURLY OPER. COST	RENT PER DAY	RENT PER WEEK	RENT PER MONTH	EQU COS
50	4700	4 track, 165 H.P.	Ea.	41.50	740	2,220	6,650	
	4800	Median barrier, 215 H.P.		60.50	1,050	3,150	9,450	
	4901	Trailer, low bed, 75 ton capacity		10.10	235	705	2,125	
	5000	Road planer, walk behind, 10" cutting width, 10 H.P.		3.70	33.50	100	300	
	5100	Self-propelled, 12" cutting width, 64 H.P.		10.40	113	340	1,025	
	5120	Traffic line remover, metal ball blaster, truck mounted, 115 H.P.		47.95	730	2,190	6,575	
	5140	Grinder, truck mounted, 115 H.P.		54.60	790	2,375	7,125	
	5160	Walk-behind, 11 H.P.		4.20	53.50	160	480	
	5200	Pavement profiler, 4' to 6' wide, 450 H.P.		254.50	3,325	9,960	29,900	
	5300	8' to 10' wide, 750 H.P.		399.20	4,350	13,055	39,200	
	5400	Roadway plate, steel, 1" x 8' x 20'		.08	13.35	40	120	
	5600	Stabilizer, self-propelled, 150 H.P.		49.30	600	1,795	5,375	
	5700	310 H.P.		99.05	1,675	5,030	15,100	
	5800	Striper, truck mounted, 120 gallon paint, 460 H.P.		64.20	485	1,455	4,375	
	5900	Thermal paint heating kettle, 115 gallons		8.20	25.50	77	231	
	6000	Tar kettle, 330 gallon, trailer mounted		12.25	56.50	170	510	
	7000	Tunnel locomotive, diesel, 8 to 12 ton		31.85	585	1,750	5,250	
	7005	Electric, 10 ton		26.00	665	1,995	5,975	
	7010	Muck cars, 1/2 C.Y. capacity		2.00	24.50	73	219	
	7020	1 C.Y. capacity		2.25	32.50	97	291	
	7030	2 C.Y. capacity		2.35	36.50	110	330	
	7040	Side dump, 2 C.Y. capacity		2.60	45	135	405	
	7050	3 C.Y. capacity		3.45	50	150	450	
	7060	5 C.Y. capacity		4.95	63.50	190	570	
	7100	Ventilating blower for tunnel, 7-1/2 H.P.		2.05	51.50	155	465	
	7110	10 H.P.		2.28	51.50	155	465	
	7120	20 H.P.		3.48	67.50	202	605	
	7140	40 H.P.		5.76	96.50	290	870	
	7160	60 H.P.		8.77	152	455	1,375	
	7175	75 H.P.		11.66	207	620	1,850	
	7180	200 H.P.		23.65	305	910	2,725	
	7800	Windrow loader, elevating		55.00	1,300	3,935	11,800	
60	0010	LIFTING AND HOISTING EQUIPMENT RENTAL without operators						
	0120	Aerial lift truck, 2 person, to 80'	R015433 -10 Ea.	26.30	705	2,120	6,350	
	0140	Boom work platform, 40' snorkel	R015433 -15	12.00	275	825	2,475	
	0150	Crane, flatbed mounted, 3 ton capacity	R312316 -45	16.35	188	565	1,700	
	0200	Crane, climbing, 106' jib, 6000 lb. capacity, 410 fpm		39.35	1,650	4,960	14,900	
	0300	101' jib, 10,250 lb. capacity, 270 fpm		45.95	2,100	6,280	18,800	
	0500	Tower, static, 130' high, 106' jib, 6200 lb. capacity at 400 fpm		43.20	1,900	5,730	17,200	
	0600	Crawler mounted, lattice boom, 1/2 C.Y., 15 tons at 12' radius		36.98	625	1,870	5,600	
	0700	3/4 C.Y., 20 tons at 12' radius		49.31	780	2,340	7,025	
	0800	1 C.Y., 25 tons at 12' radius		65.75	1,050	3,120	9,350	
	0900	1-1/2 C.Y., 40 tons at 12' radius		65.75	1,050	3,150	9,450	
	1000	2 C.Y., 50 tons at 12' radius		69.70	1,225	3,680	11,000	
	1100	3 C.Y., 75 tons at 12' radius		74.70	1,425	4,305	12,900	
	1200	100 ton capacity, 60' boom		84.60	1,650	4,950	14,900	
	1300	165 ton capacity, 60' boom		107.75	1,925	5,785	17,400	
	1400	200 ton capacity, 70' boom		130.55	2,400	7,210	21,600	
	1500	350 ton capacity, 80' boom		182.90	3,625	10,845	32,500	
	1600	Truck mounted, lattice boom, 6 x 4, 20 tons at 10' radius		37.11	1,075	3,260	9,775	
	1700	25 tons at 10' radius		40.09	1,175	3,550	10,700	
	1800	8 x 4, 30 tons at 10' radius		43.61	1,250	3,780	11,300	
	1900	40 tons at 12' radius		46.70	1,325	3,950	11,900	
	2000	60 tons at 15' radius		53.07	1,400	4,180	12,500	
	2050	82 tons at 15' radius		59.80	1,475	4,460	13,400	
	2100	90 tons at 15' radius		67.36	1,625	4,860	14,600	
	2200	115 tons at 15' radius		76.11	1,800	5,430	16,300	
	2300	150 tons at 18' radius		83.65	1,900	5,720	17,200	

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EQUIPMENT COST/DAY

776
1,114
221.80
49.60
151.20
821.60
911.80
65.60
4,028
5,805
8.65
753.40
1,798
804.60
81
132
604.80
607
30.60
37.40
40.80
47.80
57.60
77.60
47.40
49.25
68.25
104.10
161.15
217.30
371.20
1,227
634.40
261
243.80
1,307
1,624
1,492
669.85
862.50
1,150
1,156
1,294
1,459
1,667
2,019
2,486
3,632
948.90
1,031
1,105
1,164
1,261
1,370
1,511
1,695
1,813

	UNIT	HOURLY OPER. COST	RENT PER DAY	RENT PER WEEK	RENT PER MONTH	EQUIPMENT COST/DAY	
165 tons at 18' radius	Ea.	90.05	2,025	6,060	18,200	1,932	60
Truck mounted, hydraulic, 12 ton capacity		42.60	520	1,565	4,700	653.80	
25 ton capacity		44.95	630	1,885	5,650	736.60	
33 ton capacity		45.50	645	1,930	5,800	750	
40 ton capacity		58.85	750	2,250	6,750	920.80	
55 ton capacity		76.80	855	2,570	7,700	1,128	
80 ton capacity		100.45	1,375	4,105	12,300	1,625	
100 ton capacity		94.20	1,425	4,250	12,800	1,604	
120 ton capacity		100.05	1,525	4,575	13,700	1,715	
150 ton capacity		127.60	2,000	5,995	18,000	2,220	
Self-propelled, 4 x 4, with telescoping boom, 5 ton		17.55	225	675	2,025	275.40	
12-1/2 ton capacity		32.30	360	1,075	3,225	473.40	
15 ton capacity		33.00	375	1,130	3,400	490	
20 ton capacity		35.95	445	1,335	4,000	554.60	
25 ton capacity		37.55	500	1,495	4,475	599.40	
40 ton capacity		46.00	560	1,675	5,025	703	
Derricks, guy, 20 ton capacity, 60' boom, 75' mast		27.55	405	1,214	3,650	463.20	
100' boom, 115' mast		43.21	695	2,090	6,275	763.70	
Stiffleg, 20 ton capacity, 70' boom, 37' mast		30.11	525	1,580	4,750	556.90	
100' boom, 47' mast		46.29	845	2,530	7,600	876.30	
Helicopter, small, lift to 1250 lb. maximum, w/pilot		103.70	5	9,800	29,400	2,790	
Hoists, chain type, overhead, manual, 3/4 ton		.10	.33	1	3	1	
10 ton		.70	6	18	54	9.20	
Hoist and tower, 5000 lb. cap., portable electric, 40' high		4.95	233	699	2,100	179.40	
For each added 10' section, add		.11	18.35	55	165	11.90	
Hoist and single tubular tower, 5000 lb. electric, 100' high		6.70	325	976	2,925	248.80	
For each added 6'-6" section, add		.19	31.50	95	285	20.50	
Hoist and double tubular tower, 5000 lb., 100' high		7.19	360	1,075	3,225	272.50	
For each added 6'-6" section, add		.21	35	105	315	22.70	
Hoist and tower, mast type, 6000 lb., 100' high		7.76	370	1,115	3,350	285.10	
For each added 10' section, add		.13	21.50	65	195	14.05	
Hoist and tower, personnel, electric, 2000 lb., 100' @ 125 fpm		16.31	990	2,970	8,900	724.50	
3000 lb., 100' @ 200 fpm		18.62	1,125	3,360	10,100	820.95	
3000 lb., 150' @ 300 fpm		20.62	1,250	3,760	11,300	916.95	
4000 lb., 100' @ 300 fpm		21.38	1,275	3,840	11,500	939.05	
6000 lb., 100' @ 275 fpm		23.06	1,350	4,030	12,100	990.50	
For added heights up to 500', add	L.F.	.01	1.67	5	15	1.10	
Jacks, hydraulic, 20 ton	Ea.	.05	2	6	18	1.60	
100 ton		.40	11.65	35	105	10.20	
Jacks, hydraulic, climbing w/50' jackrods, control console, 30 ton cap.		2.01	134	402	1,200	96.50	
For each added 10' jackrod section, add		.05	3.33	10	30	2.40	
50 ton capacity		3.23	215	646	1,950	155.05	
For each added 10' jackrod section, add		.06	4	12	36	2.90	
125 ton capacity		8.45	565	1,690	5,075	405.60	
For each added 10' jackrod section, add		.58	38.50	115	345	27.65	
Cable jack, 10 ton capacity with 200' cable		1.68	112	336	1,000	80.65	
For each added 50' of cable, add		.20	13.35	40	120	9.60	
WELLPOINT EQUIPMENT RENTAL without operators							70
Based on 2 months rental	R015433 -10						
Combination jetting & wellpoint pump, 60 H.P. diesel	Ea.	18.40	330	996	3,000	346.40	
High pressure gas jet pump, 200 H.P., 300 psi	"	44.06	284	851	2,550	522.70	
Discharge pipe, 8" diameter	L.F.	.01	.54	1.62	4.86	.40	
12" diameter		.01	.79	2.38	7.15	.55	
Header pipe, flows up to 150 GPM, 4" diameter		.01	.49	1.47	4.41	.35	
400 GPM, 6" diameter		.01	.57	1.72	5.15	.40	
800 GPM, 8" diameter		.01	.79	2.38	7.15	.55	
1500 GPM, 10" diameter		.01	.84	2.51	7.55	.60	

Location Factors

Costs shown in RSMean cost data publications are based on national averages for materials and installation. To adjust these costs to a specific location, simply multiply the base cost by the factor and divide

by 100 for that city. The data is arranged alphabetically by state and postal zip code numbers. For a city not listed, use the factor for a nearby city with similar economic characteristics.

STATE/ZIP	CITY	MAT.	INST.	TOTAL
ALABAMA				
350-352	Birmingham	100.6	76.7	90.2
354	Tuscaloosa	99.8	61.2	83.0
355	Jasper	100.2	57.5	81.6
356	Decatur	99.8	57.9	81.5
357-358	Huntsville	99.8	72.1	87.8
359	Gadsden	99.9	60.0	82.5
360-361	Montgomery	99.9	57.1	81.2
362	Anniston	98.6	61.8	82.6
363	Dothan	99.0	49.4	77.4
364	Evergreen	98.6	50.7	77.7
365-366	Mobile	99.9	65.4	84.9
367	Selma	98.7	49.9	77.4
368	Phenix City	99.5	54.6	79.9
369	Butler	98.9	49.4	77.3
ALASKA				
995-996	Anchorage	121.1	115.6	118.7
997	Fairbanks	121.0	116.4	119.0
998	Juneau	121.3	115.6	118.8
999	Ketchikan	132.0	115.6	124.8
ARIZONA				
850,853	Phoenix	99.2	73.8	88.1
851,852	Mesa/Tempe	98.6	72.8	87.4
855	Globe	98.8	70.0	86.3
856-857	Tucson	97.4	72.4	86.5
859	Show Low	98.9	72.5	87.4
860	Flagstaff	101.3	71.8	88.4
863	Prescott	99.2	68.9	86.0
864	Kingman	97.6	72.0	86.4
865	Chambers	97.6	71.5	86.2
ARKANSAS				
716	Pine Bluff	99.4	63.3	83.6
717	Camden	97.1	50.1	76.6
718	Texarkana	98.2	49.2	76.8
719	Hot Springs	96.4	51.8	76.9
720-722	Little Rock	98.5	64.0	83.4
723	West Memphis	96.1	62.4	81.4
724	Jonesboro	96.7	59.1	80.3
725	Batesville	94.6	54.6	77.1
726	Harrison	95.9	50.4	76.0
727	Fayetteville	93.4	52.0	75.4
728	Russellville	94.6	53.7	76.8
729	Fort Smith	97.2	61.6	81.7
CALIFORNIA				
900-902	Los Angeles	99.2	117.5	107.2
903-905	Inglewood	94.8	114.1	103.2
906-908	Long Beach	96.2	114.1	104.0
910-912	Pasadena	96.4	114.6	104.3
913-916	Van Nuys	99.1	114.6	105.9
917-918	Alhambra	98.3	114.8	105.5
919-921	San Diego	100.5	109.6	104.5
922	Palm Springs	97.2	112.0	103.6
923-924	San Bernardino	95.1	111.3	102.1
925	Riverside	99.4	114.6	106.0
926-927	Santa Ana	96.9	111.8	103.4
928	Anaheim	99.4	114.9	106.2
930	Oxnard	99.6	114.4	106.0
931	Santa Barbara	98.9	115.1	106.0
932-933	Bakersfield	100.7	113.6	106.3
934	San Luis Obispo	99.4	112.0	104.9
935	Mojave	96.8	109.8	102.5
936-938	Fresno	100.1	115.3	106.7
939	Salinas	100.2	121.6	109.5
940-941	San Francisco	105.2	145.4	122.7
942,956-958	Sacramento	100.5	119.3	108.7
943	Palo Alto	98.9	134.5	114.4
944	San Mateo	100.9	134.6	115.6
945	Vallejo	100.1	127.2	111.9
946	Oakland	103.1	134.3	116.7
947	Berkeley	102.7	135.1	116.8
948	Richmond	101.8	133.1	115.4
949	San Rafael	103.5	136.7	118.0
950	Santa Cruz	104.5	121.8	112.0

STATE/ZIP	CITY	MAT.	INST.	TOTAL
CALIFORNIA (CONT'D)				
951	San Jose	102.5	136.6	117.4
952	Stockton	100.9	117.2	108.0
953	Modesto	100.8	115.7	107.3
954	Santa Rosa	100.8	134.7	115.6
955	Eureka	102.1	116.4	108.4
959	Marysville	101.3	115.9	107.7
960	Redding	107.8	117.7	112.1
961	Susanville	106.8	118.1	111.7
COLORADO				
800-802	Denver	100.8	81.7	92.5
803	Boulder	97.8	81.3	90.6
804	Golden	99.8	78.9	90.7
805	Fort Collins	101.3	79.0	91.6
806	Greeley	98.9	75.5	88.7
807	Fort Morgan	98.3	79.0	89.9
808-809	Colorado Springs	100.4	84.0	93.2
810	Pueblo	101.1	80.3	92.0
811	Alamosa	102.2	73.7	89.8
812	Salida	101.9	75.3	90.3
813	Durango	102.7	75.7	90.9
814	Montrose	101.4	75.4	90.1
815	Grand Junction	104.8	75.3	91.9
816	Glenwood Springs	102.3	78.1	91.8
CONNECTICUT				
060	New Britain	100.1	120.6	109.1
061	Hartford	101.4	120.8	109.8
062	Willimantic	100.8	120.2	109.2
063	New London	97.1	120.7	107.4
064	Meriden	98.9	120.7	108.4
065	New Haven	101.6	120.7	109.9
066	Bridgeport	101.3	120.8	109.8
067	Waterbury	100.9	120.7	109.5
068	Norwalk	100.8	128.7	113.0
069	Stamford	100.9	128.7	113.0
D.C.				
200-205	Washington	101.1	91.9	97.1
DELAWARE				
197	Newark	98.8	109.2	103.3
198	Wilmington	99.3	109.2	103.6
199	Dover	99.3	109.2	103.6
FLORIDA				
320,322	Jacksonville	98.8	66.4	84.7
321	Daytona Beach	99.0	72.9	87.6
323	Tallahassee	100.8	56.9	81.7
324	Panama City	100.2	57.8	81.7
325	Pensacola	102.7	61.2	84.6
326,344	Gainesville	100.3	66.7	85.7
327-328,347	Orlando	100.5	70.0	87.2
329	Melbourne	101.7	76.3	90.6
330-332,340	Miami	99.8	73.1	88.2
333	Fort Lauderdale	98.6	72.6	87.2
334,349	West Palm Beach	97.4	71.1	85.9
335-336,346	Tampa	100.1	78.4	90.6
337	St. Petersburg	102.6	63.3	85.5
338	Lakeland	99.4	77.8	90.0
339,341	Fort Myers	98.6	72.6	87.3
342	Sarasota	100.8	74.3	89.2
GEORGIA				
300-303,399	Atlanta	97.6	74.4	87.5
304	Statesboro	97.3	55.8	79.2
305	Gainesville	96.0	61.6	81.0
306	Athens	95.5	63.9	81.7
307	Dalton	97.2	59.0	80.5
308-309	Augusta	96.3	63.6	82.1
310-312	Macon	97.2	64.7	83.0
313-314	Savannah	99.2	60.9	82.5
315	Waycross	98.3	59.4	81.4
316	Valdosta	98.5	61.4	82.3
317,398	Albany	98.5	61.3	82.3
318-319	Columbus	98.4	65.4	84.0



WATER AND SEWAGE PLANT SUPERVISOR, CORRECTIONAL FACILITY (CF)

Final Filing Date: CONTINUOUS

OPEN

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER	The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.						
EXAMINATION BASE	DEPARTMENTAL FOR: CALIFORNIA DEPARTMENT OF CORRECTIONS AND REHABILITATION (CDCR)						
WHO SHOULD APPLY	Applicants who meet the minimum qualifications as stated below and who have not previously tested with CDCR for this classification in the past 12 months. Applications will not be accepted on a promotional basis.						
HOW TO APPLY	Submit Examination Application (Std. Form 678) and Qualifications Assessment. <table border="0"><tr><td style="text-align: center;">By mail to:</td><td style="text-align: center;">or</td><td style="text-align: center;">In person at:</td></tr><tr><td style="text-align: center;">Department of Corrections and Rehabilitation Office of Workforce Planning P.O. Box 942883 Sacramento, CA 94283-0001</td><td></td><td style="text-align: center;">Department of Corrections and Rehabilitation 1515 S Street Sacramento, CA 95811-7243 Attn: Office of Workforce Planning, 101N</td></tr></table> If you are personally delivering your application and Qualifications Assessment, you must do so between the hours of 8:00 a.m. and 5:00 p.m. , Monday through Friday, to the street address listed above. The Qualifications Assessment for the Water and Sewage Plant Supervisor, CF examination is available from the CDCR website at: http://www.cdcr.ca.gov/Career_Opportunities/HR/OPS/Exams/Exams_Continuous/PDFs/WaterSewagePlantSupvQA-O-C.pdf for in person at the street address listed above. NOTE: Only applications with an original signature will be accepted.	By mail to:	or	In person at:	Department of Corrections and Rehabilitation Office of Workforce Planning P.O. Box 942883 Sacramento, CA 94283-0001		Department of Corrections and Rehabilitation 1515 S Street Sacramento, CA 95811-7243 Attn: Office of Workforce Planning, 101N
By mail to:	or	In person at:					
Department of Corrections and Rehabilitation Office of Workforce Planning P.O. Box 942883 Sacramento, CA 94283-0001		Department of Corrections and Rehabilitation 1515 S Street Sacramento, CA 95811-7243 Attn: Office of Workforce Planning, 101N					
APPLICATION DEADLINE/ REQUIREMENTS	Applications will be accepted on a continuous basis. All applicants must meet the education and/or experience requirements for this examination at the time he or she files his or her application.						
TEST DATE	To learn more about examination date(s), contact the Office of Workforce Planning at (916) 322-2545. CDCR reserves the right to modify the examination dates as needs warrant.						
SALARY RANGE(S)	As of: <u>April 11, 2016</u> \$5,661 - \$5,945						
MINIMUM QUALIFICATIONS	Three years of engineering or operating experience in a water filtration plant or a sewage treatment plant serving a population of at least 2000; and Possession of an appropriate State of California Certification for Sewage Treatment Plant Operator and/or Water Treatment Plant Operator is required at the time of appointment. Certificates are issued by the California Department of Public Health and Water Resources Control Board. (Applicants who are within six months of obtaining the required certification will be admitted to the examination but must produce evidence of certification before they can be considered eligible for appointment.) Special Physical Characteristics: Persons appointed to positions in this class must be reasonably expected to have and maintain sufficient strength, agility, and endurance to perform during stressful (physical, mental, and emotional) situations encountered on the job without compromising their health and well-being or that of their fellow employees or that of inmates. Assignments during tour of duty may include sole responsibility for the supervision of inmates and/or the protection of personal and real property. Additional Desirable Qualifications: Education equivalent to completion of the twelfth grade. NOTE: High School Equivalence: Equivalence to completion of the 12 th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis						
EXAMINATION PLAN	INTERVIEWS WILL NOT BE HELD. This examination will consist of a Qualifications Assessment weighted 100%. To obtain a position on the eligible list, applicants must achieve a minimum rating of 70% on the Qualifications Assessment.						

**EXAMINATION
PLAN
(CONTINUED)**

The Qualification Assessment is designed to elicit a range of specific information regarding each candidate's knowledge, skill, abilities, and potential to effectively perform the duties relative to the classification. Candidates who meet their "Minimum Qualifications" will have their qualifications Assessment rated and successful candidates will be placed on an eligible list. **SUBMISSION OF THE EXAMINATION APPLICATION AND QUALIFICATIONS ASSESSMENT IS MANDATORY.** Candidates who do not submit a completed Examination Application and Qualifications Assessment will be eliminated from this examination.

Qualifications Assessment -- Weighted 100.00%

Scope: Emphasis in the examination will be on measuring competitively, relative to job demands, each candidate's:

A. Knowledge of:

1. Water, sewage and other mechanical systems and equipment, and methods, materials and tools used in the operation, maintenance, and repair of such equipment.
2. Principles of water and sewage treatment.
3. The Department's Equal Employment Opportunity program objectives.
4. A manager's role in the Equal Employment Opportunity program and the processes available to meet Equal Employment Opportunity objectives.

B. Ability to:

1. Communicate effectively.
2. Make and interpret chemical and physical laboratory tests to determine effectiveness of water and sewage treatment.
3. Prepare routine reports and keep accurate records.
4. Train and supervise employees engaged in operating water and sewage treatment plants.
5. Read, interpret, and work from plans, drawings, and specifications.
6. Think and act quickly in emergencies.
7. Analyze situations accurately and take effective action.
8. Effectively contribute to the Department's Equal Employment Opportunity program objectives.

**ELIGIBLE LIST
INFORMATION**

The resulting eligible list will be established to fill vacancies for CDCR. Names of successful candidates are merged onto the list in order of final scores, regardless of date. Eligibility expires **12** months after establishment, unless the needs of the service and conditions of the list warrant a change in this period.

**POSITION
DESCRIPTION AND
LOCATION(S)**

The **Water and Sewage Plant Supervisor, CF**, under general direction in a State correctional facility in the CDCR, has responsibility for the operation of a water treatment and sewage treatment plant, or for the operation of a large and complex plant of either type; maintains and repairs facility treatment equipment; directs the taking of daily tests of water and sewage in the various stages of treatment and personally makes the more involved analyses; interprets tests and determines necessary changes in dosage and treatment processes; supervises or performs the cleaning, painting, and upkeep of equipment; adjusts and repairs mechanical equipment such as pumps, chlorinators, gas engines, and metering devices; operates or directs the operation of related equipment at swimming pools and other mechanical equipment; operates equipment as a relief operator when necessary; may supervise assistants; may perform minor plumbing duties in connection with water and sewage systems; maintains order and supervises the conduct of inmates, youthful offenders, residents, or patients; protects and maintains the safety of persons and property; may instruct, lead or supervise inmates, and does other related work.

Position(s) exist in CDCR institution(s) on the attached list.

**SPECIAL TESTING
ARRANGEMENTS**

If you have a disability and need special testing arrangements, mark the appropriate box on the "Examination Application." You will be contacted to make specific arrangements.

**VETERANS'
PREFERENCE/
CAREER CREDITS**

Veterans' Preference will be granted in this examination. Veterans who have achieved permanent civil service status are not eligible to receive Veterans' Preference. Career Credits will not be granted in this examination.

GENERAL INFORMATION

Applications are available at CDCR offices, California Department of Human Resources (CalHR) offices, local offices of the Employment Development Department, and online at <https://jobs.ca.gov/pdf/std678.pdf>.

Veterans' Preference: California law allows the granting of Veterans' Preference in any **Open** examination. In accordance with Government Code sections 18973.1 and 18973.5, Veterans Preference will be awarded as follows: 1) any veteran, widow or widower of a veteran, or spouse of a 100% disabled veteran, who achieves a passing score in an open examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for Veterans' Preference; 2) Veterans' Preference is not granted once a person achieves permanent civil service status.

Directions to apply for Veterans' Preference are available at the CalHR's website by clicking on the following link: <https://jobs.ca.gov/Public/Jobs/Veterans.aspx>. Additional information can also be found at the California Department of Veterans Affairs at www.calvet.ca.gov/veteran-services-benefits/employment.

The Department of Corrections and Rehabilitation reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned changed. Such revisions will be in accordance with civil service laws and rules and all competitors will be notified.

Examination Locations: If this examination requires a written test and/or oral interview, they will be scheduled throughout the State at the correctional institutions, youth facilities, and/or parole regions. However, locations of the written test and/or oral interview may be limited or extended as conditions warrant.

**GENERAL INFORMATION
(CONTINUED)**

Eligible Lists: Eligible lists established by a competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional; 2) departmental promotional; 3) multidepartmental promotional; 4) servicewide promotional; 5) departmental open; 6) open. When there are two lists of the same kind, the older must be used first.

If you meet the requirements stated in this bulletin, you may take this examination. Possession of the entrance requirement(s) does not assure success in the examination or placement on the employment list. All candidates who pass the examination described in this bulletin will be ranked according to their scores.

General Qualifications: Competitors must possess essential personal qualifications including integrity, initiative, dependability, good judgment, ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination and fingerprinting may be required. In open examinations, an investigation may be made of employment records and personal history.

IT IS AN OBJECTIVE OF THE STATE OF CALIFORNIA TO ACHIEVE A DRUG-FREE WORK PLACE. ANY APPLICANT FOR STATE EMPLOYMENT WILL BE EXPECTED TO BEHAVE IN ACCORDANCE WITH THIS OBJECTIVE BECAUSE THE USE OF ILLEGAL DRUGS IS INCONSISTENT WITH THE LAW OF THE STATE, THE RULES GOVERNING CIVIL SERVICE AND THE SPECIAL TRUST PLACED IN PUBLIC SERVANTS.

ONLY INDIVIDUALS LAWFULLY AUTHORIZED TO WORK IN THE UNITED STATES WILL BE HIRED

FOR CURRENT CDCR TESTING INFORMATION CALL (916) 322-2545
Telecommunications Relay Service (TRS): DIAL 7-1-1
www.cdcr.ca.gov

THIS CANCELS AND SUPERSEDES ALL PREVIOUSLY ISSUED BULLETINS

EXISTING POSITION LOCATION(S)

1802 CALIFORNIA CORRECTIONAL CENTER
Susanville, Lassen County
Water Plant Grade: II

1503 CALIFORNIA CORRECTIONAL INSTITUTION
Tehachapi, Kern County
Water Plant Grade: I
Waste Plant Grade: III

3612 CALIFORNIA INSTITUTION FOR MEN
Chino, San Bernardino County
Water Plant Grade: II
Waste Plant Grade: II

4005 CALIFORNIA MEN'S COLONY
San Luis Obispo, San Luis Obispo County
Water Plant Grade: II
Waste Plant Grade: III

1606 CALIFORNIA STATE PRISON, CORCORAN
Corcoran, Kings County
Water Plant Grade: II

4811 CALIFORNIA STATE PRISON, SOLANO
Vacaville, Solano County
Water Plant Grade: II

1308 CENTINELA STATE PRISON
Imperial, Imperial County
Water Plant Grade: II
Waste Plant Grade: II

2003 CENTRAL CALIFORNIA WOMEN'S FACILITY
Chowchilla, Madera County
Water Plant Grade: I
Waste Plant Grade: II

3313 CHUCKAWALLA VALLEY STATE PRISON
Blythe, Riverside County
Water Plant Grade: II
Waste Plant Grade: II

2701 CORRECTIONAL TRAINING FACILITY
Soledad, Monterey County
Water Plant Grade: III

3901 DEUEL VOCATIONAL INSTITUTION
Tracy, San Joaquin County
Water Plant Grade: I
Waste Plant Grade: II

3404 FOLSOM STATE PRISON
Represa, Sacramento County
Water Plant Grade: I

1805 HIGH DESERT STATE PRISON
Susanville, Lassen County
Water Plant Grade: I

1522 KERN VALLEY STATE PRISON
Delano, Kern County
Water Plant Grade: I
Waste Plant Grade: II

0309 MULE CREEK STATE PRISON
Ione, Amador County
Water Plant Grade: I
Waste Plant Grade: II

0802 PELICAN BAY STATE PRISON
Crescent City, Del Norte County
Water Plant Grade: III

1015 PLEASANT VALLEY STATE PRISON
Coalinga, Fresno County
Water Plant Grade: II

2708 SALINAS VALLEY STATE PRISON
Soledad, Monterey County
Water Plant Grade: II

5505 SIERRA CONSERVATION CENTER
Jamestown, Tuolumne County
Water Plant Grade: II
Waste Plant Grade: II

1513 WASCO STATE PRISON RECEPTION CENTER
Wasco, Kern County
Water Plant Grade: I
Waste Plant Grade: II