

LABORATORY TEST RATES  
County of Humboldt  
Department of Public Works  
Materials Testing Division  
Calendar Year 2009

Caltrans Test Method	Type of Test	Weighted Average Hours	Weighted Average an-hour Rate	Direct Labor	Indirect Costs (50%)	Rate Rounded To \$.50
201.1	Sample Processing (Special)	1.50	51.08	76.61	38.31	108.50
201.2	Sample Processing (Routine)	0.70	51.08	35.75	17.88	50.50
202.1	Sieve Analysis (coarse/seal coat)	0.80	51.08	40.86	20.43	57.50
202.2	Sieve Analysis (fine)	0.75	51.08	38.31	19.15	54.00
202.3	Sieve Analysis (after asphalt extract)	1.00	51.08	51.08	25.54	72.00
203	Mechanical Analysis	1.75	51.08	89.38	44.69	126.50
204	Plasticity Index	3.00	51.08	153.23	76.61	216.50
205	% Crushed Particles	1.70	51.08	86.83	43.41	122.50
206	Sp. Gravity & Absorption (coarse)	0.65	51.08	33.20	16.60	47.00
208	Apparent Sp. Gravity (fine agg.)	0.70	51.08	35.75	17.88	50.50
211	LA Rattler Test	1.40	51.08	71.51	35.75	101.00
212	Unit Weight of Aggregate	1.30	51.08	66.40	33.20	94.00
213	Org. Impurities (concrete sand)	0.35	51.08	17.88	8.94	25.50
214	Sodium Sulfate/Soundness Test	4.75	51.08	242.61	121.31	343.00
216.2	Max. Density (moisture/density curve)	2.50	51.08	127.69	63.85	180.50
216.3	Maximum Density (1st core)	0.40	51.08	20.43	10.22	29.00
217	Sand Equivalent	0.70	51.08	35.75	17.88	50.50
226	Moisture % Soils (oven dry)	0.20	51.08	10.22	5.11	14.50
227	Cleanness Value	1.25	51.08	63.85	31.92	90.00
229.1	Durability Index (fine aggregate)	0.75	51.08	38.31	19.15	54.00
229.2	Durability Index (coarse aggregate)	1.25	51.08	63.85	31.92	90.00
231	Nuclear Density (per hole)	0.30	51.08	15.32	7.66	21.50
301	Resistance (R) Value	3.75	51.08	191.54	95.77	270.50
303	Centrifuge Kerosene Equivalent	1.00	51.08	51.08	25.54	72.00
306	Cohesimeter	0.50	51.08	25.54	12.77	36.00
307	Moisture Vapor Susceptibility	1.70	51.08	86.83	43.41	122.50
308	Method B for Bulk Sp. Gravity	0.20	51.08	10.22	5.11	14.50
310	Hot Solvent Extr. (202.3 not inc.)	1.25	51.08	63.85	31.92	90.00
366.1	Stabilometer Value (control)	1.50	51.08	76.61	38.31	108.50
366.2	Stabilometer Value (design)	6.25	51.08	319.23	159.61	451.00
367	Optimum Bitumen Content	0.75	51.08	38.31	19.15	54.00
375	Asphalt Compaction	0.50	51.08	25.54	12.77	36.00
379	Asphalt % by Nuclear Gauge	2.10	51.08	107.26	53.63	151.50
504	Air Content Fresh Concrete (pressure)	1.15	51.08	58.74	29.37	83.00
518	Unit Weight of Concrete	1.95	51.08	99.60	49.80	141.00
ASTM C-143	Slump Cone Test for Concrete	0.25	51.08	12.77	6.38	18.00
521	Comp. Strength Molded Concrete	0.35	51.08	17.88	8.94	25.50
533	Kelly Ball Penetration	0.25	51.08	12.77	6.38	18.00
ASTM D-2041	Rice Gravity for AC	0.50	51.08	25.54	12.77	36.00
ASTM D-698	Moisture/Density Soil 5.5 lb. Hammer	2.75	51.08	140.46	70.23	198.50
ASTM D-1557	Moisture/Density Soil 10 lb. Hammer	3.00	51.08	153.23	76.61	216.50
HUM CO DR-2	Concrete and AC Diamond Bit Coring	0.53	51.08	27.07	13.54	38.50