

Attachment 1b-321 Materials Testing Schedule

Test Method	Type of Test	hours	Rates	Labor	0.5 Rate	to next \$
201.1	Sample Processing (Special)	1.50	63.32	94.98	47.49	142.47 143.00
201.2	Sample Processing (Routine)	0.70	63.32	44.32	22.16	66.49 67.00
202.1	Sieve Analysis (coarse/seal coat)	0.80	63.32	50.66	25.33	75.98 76.00
202.2	Sieve Analysis (fine)	1.00	63.32	63.32	31.66	94.98 95.00
203	Mechanical Analysis	1.75	63.32	110.81	55.41	166.22 167.00
204	Plasticity Index	3.00	63.32	189.96	94.98	284.94 285.00
205	% Crushed Particles	1.70	63.32	107.64	53.82	161.47 162.00
206	Sp. Gravity & Absorption (coarse)	0.65	63.32	41.16	20.58	61.74 62.00
207	Bulk Sp. Gravity (fine aggregate)	1.00	63.32	63.32	31.66	94.98 95.00
208	Apparent Sp. Gravity (fine agg.)	0.70	63.32	44.32	22.16	66.49 67.00
211	LA Rattler Test	1.40	63.32	88.65	44.32	132.97 133.00
212	Unit Weight of Aggregate	1.30	63.32	82.32	41.16	123.47 124.00
213	Org. Impurities (concrete sand)	0.35	63.32	22.16	11.08	33.24 34.00
214	Sodium Sulfate/Soundness Test	4.75	63.32	300.77	150.39	451.16 452.00
216.2	Max. Density (moisture/density curve)	2.50	63.32	158.30	79.15	237.45 238.00
216.3	Maximum Density (1st core)	0.40	63.32	25.33	12.66	37.99 38.00
217	Sand Equivalent	1.00	63.32	63.32	31.66	94.98 95.00
226	Moisture % Soils (oven dry)	0.20	63.32	12.66	6.33	19.00 19.00
227	Cleanness Value	1.25	63.32	79.15	39.58	118.73 119.00
229.1	Durability Index (fine aggregate)	1.00	63.32	63.32	31.66	94.98 95.00
229.2	Durability Index (coarse aggregate)	1.25	63.32	79.15	39.58	118.73 119.00
231	Nuclear Density (per hole)	0.30	63.32	19.00	9.50	28.49 29.00
301	Resistance (R) Value	3.75	63.32	237.45	118.73	356.18 357.00
304	Preparation of HMA for Test Specimens	4.00	63.32	253.28	-	253.28 254.00
308	Method A for Bulk Sp. Gravity	0.50	63.32	31.66	15.83	47.49 48.00
308	Method C for Bulk Sp. Gravity	0.20	63.32	12.66	6.33	19.00 19.00
309	Theoretical Max Sp. Gravity HMA	1.25	63.32	79.15	39.58	118.73 119.00
366.1	Stabilometer Value (control)	1.50	63.32	94.98	47.49	142.47 143.00
366.2	Stabilometer Value (design)	6.25	63.32	395.75	197.88	593.63 594.00
367	Optimum Bitumen Content	0.75	63.32	47.49	23.75	71.24 72.00
370	HMA Moisture Content	0.75	63.32	47.49	23.75	71.24 72.00
375	Asphalt Compaction per site	0.50	63.32	31.66	15.83	47.49 48.00
382	HMA Binder Content by Ignition Method	1.75	63.32	110.81	55.41	166.22 167.00
384	HMA with RAP Gradation by Ignition Method	1.75	63.32	110.81	55.41	166.22 167.00
504	Air Content Fresh Concrete (pressure)	0.20	63.32	12.66	6.33	19.00 19.00
518	Unit Weight of Concrete	0.20	63.32	12.66	6.33	19.00 19.00
521	Comp. Strength Molded Concrete	0.75	63.32	47.49	23.75	71.24 72.00
533	Kelly Ball Penetration	0.25	63.32	15.83	7.92	23.75 24.00
539	Sampling Fresh Concrete	0.20	63.32	12.66	6.33	19.00 19.00
540	Making and Handling Concrete Specimens	0.45	63.32	28.49	14.25	42.74 43.00
556	Slump Cone Test for Concrete	0.20	63.32	12.66	6.33	19.00 19.00
557	Temperature of Fresh Concrete	0.20	63.32	12.66	6.33	19.00 19.00
HUM CO DR-4	Concrete and AC Diamond Bit Coring	0.53	63.32	33.56	16.78	50.34 51.00