

ASPHALT TESTING - 2012

ITEM		CGC	Great Lakes	Premier	RVT	SES
Asphalt Plant and Equipment Inspection	per test	\$470.00	\$600.00	\$450.00	\$1,300.00	\$540.00
Redi-Mix Plant and Equipment Inspection	per test	\$470.00	\$600.00	\$450.00	\$1,300.00	\$540.00
Aggregate suitability	per test	\$480.00	\$600.00	\$450.00	\$745.00	\$540.00
Aggregate Gradation						
Aggregate Gradation (1 week turnaround)	per test	\$75.00	\$75.00	\$70.00	\$65.00	\$90.00
Aggregate Gradation (express service)	per test	\$90.00	\$100.00	\$80.00	\$75.00	\$110.00
Asphalt Paving Mixtures						
Laboratory Control Check	per test	\$350.00	\$500.00	\$325.00	\$350.00	\$440.00
Laboratory Control Check (air void only)		\$230.00	\$300.00	\$325.00	\$250.00	\$440.00
Mix Design Analysis	per test	\$350.00	\$400.00	\$325.00	\$2,200.00	\$440.00
Extraction (1 week turnaround)	per test	\$120.00	\$150.00	\$120.00	\$150.00	\$320.00
Extraction (express service)	per test	\$115.00	\$175.00	\$100.00	\$180.00	\$340.00
Additional personnel and equipment						
Professional Engineer	per hour	\$99.00	\$95.00	\$85.00	\$85.00	\$115.00
Senior Technician-weekdays 6:00 a.m.-7:00 p.m.	per hour	\$67.00	\$52.00	\$60.00	\$45.00	\$78.00
Senior Technician-weekdays after 7:00 p.m. & weekends	per hour	\$67.00	\$65.00	\$60.00	\$60.00	\$90.00
Technician II	per hour	\$47.00	\$50.00	\$45.00	\$40.00	\$60.00
Technician I	per hour	\$29.00	\$46.00	\$29.00	\$36.00	\$50.00
Asphalt Testing Equipment						
Pavement saw	per day	\$75.00	\$75.00	\$40.00	\$35.00	\$70.00
Electric generator for power to core drill	per day	\$75.00	\$75.00	\$40.00	\$65.00	\$50.00
4" diameter diamond bituminous coring	per core	\$11.00	\$25.00	\$10.00	\$36.00	\$12.00
Nuclear meter rental	per test	\$9.00	\$9.00	\$5.00	\$5.00	\$9.00
Sand cond materials	per test	\$0.00	\$0.00	\$0.00	\$7.00	\$16.00
Concrete Testing Equipment						
Compressive test-molded sample	per test	\$12.00	\$12.00	\$10.00	\$11.00	\$12.00
Saved cylinders for moist curing	each	\$12.00	\$6.00	\$10.00	\$9.50	\$11.00
Compressive test-core sample	per test	\$25.00	\$18.00	\$15.00	\$25.00	\$28.00
Cylinder molds	per mold	\$2.50	\$1.50	\$1.00	\$2.00	\$1.50
Equipment for air content tests	per test	\$0.00	\$0.00	\$5.00	\$7.00	\$12.00
Equipment for core drilling-diamond bit	per inch dia.	\$1.00	\$1.00	\$1.00	\$5.75	\$1.00
	per inch ht.					

Soil Costs 2012

A. General.

	CGC	Great Lakes	Premier	RVT	SES	
Laboratory Technician	\$0.00	\$40.00	\$0.00	\$0.00	\$0.00	per Hour
Field Technician	\$29 - \$54	\$46.00	\$28-\$45	\$45.00	\$44-\$68	per Hour
Field Engineer	\$68-\$77	\$65.00	\$60-\$70	\$65.00	\$70-\$84	per Hour
Professional Engineer	\$87-\$99	\$95.00	\$70-\$80	\$85.00	\$95-\$130	per Hour

Note: The above rates apply to the position and services performed regardless of the status of classification of the person performing the services.

B. Equipment for Compaction Testing

	\$9.00	\$9.00	\$5.00	\$7.50	\$9.00	per Field Density Test
--	--------	--------	--------	--------	--------	------------------------

C. Soil Investigations and Monitoring Well/Probe Installations. Mobilization of Equipment and Drilling or Coring Crew for each Project Site

Truck Mounted Drill Rig	\$290.00	\$300.00	\$275.00	\$275.00	\$200.00	Each
Track Mounted Drill Rig	\$330.00	\$400.00	\$300.00	\$320.00	\$300.00	Each
Equipment Decontamination	\$200.00	\$200.00	\$175.00	\$165.00	\$150.00	Day
Traffic Control	\$110.00					

Standard Soil Borings (ASTM D 1586)

0' - 10' No Bentonite Backfill	\$13.00	\$13.00	\$12.00	\$11.00	\$12.00	V.F.
0' - 20' Bentonite Backfill	\$16.00	\$16.00	\$15.00	\$14.00	\$16.00	V.F.
20' - 40' Bentonite Backfill	\$17.00	\$17.00	\$16.00	\$16.00	\$17.00	V.F.
Casing for Rotary Drilling	\$7.00	\$7.00	\$6.00	\$6.50	\$4.00	
Additional Split Spoon Sample	\$25.00	\$25.00	\$20.00	\$10.00	\$25.00	V.F.

Machine Auger Borings

No Bentonite Backfill	\$10.50	\$10.00	\$10.00	\$9.00	\$10.00	V.F.
Bentonite Backfill	\$14.00	\$14.00	\$12.00	\$12.00	\$14.00	V.F.

Soil Costs 2012

	CGC	Great Lakes	Premier	RVT	SES	
Rotary Wash Drill Casing		\$7.00				V.F.
Asphalt Patch Borehole	\$25.00	\$25.00	\$20.00	\$13.00	\$25.00	Each
Concrete Patch Borehole	\$30.00	\$30.00	\$25.00	\$16.00	\$35.00	Each
Continuous Tube Sampling, 3" Tube	\$130.00	\$125.00	\$125.00	\$110.00	\$120.00	Five Ft. of Depth
Drill Concrete Pavement in Excess of 4" Thickness	\$260.00	\$250.00	\$250.00	\$230.00	\$240.00	Ten Ft. of Depth
	\$50.00	\$50.00	\$45.00	\$30.00	\$50.00	Test Hole

Direct Push Sampling

0' - 20' Depth	\$11.50	\$11.00	\$10.00	\$10.00	\$10.00	L.F.
20' - 40' Depth	\$11.50	\$11.00	\$10.00	\$11.00	\$11.00	L.F.
Water Sample Collection (peristaltic)	\$40.00	\$50.00	\$35.00	\$35.00	\$38.00	Each
Shallow Water Sediment Cores	\$300.00	\$300.00	\$275.00	\$80.00	\$260.00	V.F.

Deep Water Sediment Cores:

5'-10' Depth	\$375.00	\$350.00	\$350.00	\$280.00	\$360.00	V.F.
10'-20' Depth	\$450.00	\$450.00	\$425.00	\$320.00	\$460.00	V.F.
20'-30' Depth	\$500.00	\$550.00	\$475.00	\$490.00	\$510.00	V.F.

Monitoring Well/Probe Installation

Boring (2.25" I.D. Auger), 0' - 40' Depth	\$13.00	\$12.00	\$11.50	\$10.00	\$14.00	L.F.
Boring (3.25" I.D. Auger), 0' - 40' Depth	\$14.50	\$13.00	\$12.50	\$10.00	\$14.00	L.F.
Boring (6.25" I.D. Auger), 0' - 40' Depth	\$17.50	\$18.00	\$15.00	\$16.00	\$18.00	L.F.
Boring (6.25" I.D. Auger), 40' - 80' Depth	\$20.00	\$25.00	\$17.50	\$20.00	\$25.00	L.F.

Soil Costs 2012

	CGC	Great Lakes	Premier	RVT	SES
Boring (6.25" I.D. Auger), 80' - 120' Depth	\$26.50	\$30.00	\$25.00	\$27.00	\$35.00 L.F.
Boring (8.25" I.D. Auger), 0' - 40' Depth	\$32.50	\$30.00	\$30.00	\$31.00	\$24.00 L.F.
Generator	\$60.00	\$60.00	\$50.00	\$60.00	\$50.00 Day
Rock Drilling - Air Rotary (6-inch dia.)	\$33.00	\$35.00	\$30.00	\$33.00	\$28.00 L.F.
Air Compressor - Air Rotary (750 cfm)	\$375.00	\$375.00	\$350.00	\$365.00	\$450.00 Day
Rock Drilling - Casing/Mud (6-inch dia.)	\$30.00	\$30.00	\$28.50	\$27.00	\$22.00 L.F.
1.0 Inch Schedule 40 PVC Well Casing, incl. installation and backfill	\$16.00	\$15.00	\$15.00	\$15.00	\$14.00 L.F.
2.5 Inch Schedule 40 PVC Well Casing, incl. installation and backfill	\$16.00	\$15.00	\$15.00	\$15.00	\$16.00 L.F.
2.5 Inch Schedule 80 PVC Well Casing, incl. installation and backfill	\$20.00	\$20.00	\$18.50	\$20.00	\$18.00 L.F.
6.0 Inch Schedule 80 PVC Well Casing, incl. installation and backfill	\$48.00	\$50.00	\$45.00	\$46.00	\$40.00 L.F.
Sand and Bentonite (Various Gradation)	\$11.00	\$10.00	\$10.00	\$10.00	\$8.00 Bag
Protective Casing (6" Aluminum) (w/ cap)	\$200.00	\$200.00	\$175.00	\$195.00	\$200.00 Each
Protective Casing (10" Steel) (w/ cap)	\$250.00	\$250.00	\$225.00	\$230.00	\$220.00 Each
Protective Casing (PVC Flush Mount)	\$70.00	\$70.00	\$60.00	\$68.00	\$48.00 Each
Well Development	\$75.00	\$75.00	\$70.00	\$70.00	\$80.00 Hour
Water Haul	\$120.00	\$120.00	\$115.00	\$110.00	\$100.00 Each
Soil Classification and WDNR Logs	\$11.00	\$20.00	\$10.00	\$10.00	\$35.00 Each
Hydraulic Conductivity Testing (Well Slug Test)	\$165.00	\$150.00	\$150.00	\$99.00	\$125.00 Hour
Rock Coring	\$48.00	\$50.00	\$45.00	\$45.00	\$52.00 L.F.
Well Repair Crew	\$175.00	\$175.00	\$165.00	\$160.00	\$170.00 Hour

Soil Costs 2012

Well Repair Parts (fill in the % charge)

CGC	Great Lakes	Premier	RVT	SES	Cost plus %
5.00%	5.00%	4.50%	5%	15%	

D. Laboratory Tests

Atterberg Limits	\$55.00	\$60.00	\$50.00	\$52.00	\$60.00	per Set
Wash and Dry Sieve Analysis	\$50.00	\$50.00	\$50.00	\$48.00	\$55.00	Each
Unconfined Compressive Strength	\$50.00	\$35.00	\$50.00	\$40.00	\$50.00	Each
Wet and Dry Densities	\$25.00	\$25.00	\$20.00	\$21.00	\$25.00	Each
Loss on Ignition	\$30.00	\$30.00	\$25.00	\$30.00	\$38.00	Each
Natural Moisture Content	\$5.00	\$5.00	\$4.00	\$4.00	\$5.00	Each
Particle size distribution by hydrometer (with curve)	\$99.00	\$100.00	\$95.00	\$85.00	\$105.00	per Sample
Hydraulic conductivity by falling head method	\$175.00	\$200.00	\$150.00	\$165.00	\$180.00	per Sample
Hydraulic conductivity by ASTM D 5084	\$400.00	\$400.00	\$375.00	\$330.00	\$420.00	per Sample

Optimum Moisture/Maximum Density

Test Curve (Check Point Curve)

Clay soils	\$50.00	\$50.00	\$45.00	\$45.00	\$50.00	per Sample
Granular soils	\$50.00	\$50.00	\$45.00	\$45.00	\$50.00	per Sample

Test Curve (3-point Proctor)

Clay Soils	\$150.00	\$150.00	\$125.00	\$135.00	\$150.00	per Sample
Granular Soils	\$150.00	\$150.00	\$125.00	\$135.00	\$150.00	per Sample

E. Sampling Equipment

2-inch diameter Shelby tubes, 30-inches long, with end caps

\$53.00	\$50.00	\$50.00	\$26.75	\$30.00	Each
---------	---------	---------	---------	---------	------

Soil Costs 2012

	CGC	Great Lakes	Premier	RVT	SES
2-inch diameter Shelby tubes, 36-inches long, with end caps	\$53.00	\$50.00	\$50.00	\$28.75	\$30.00 Each
3-inch diameter Shelby tubes, 12-inches long, with end caps	\$48.00	\$50.00	\$45.00	\$21.00	\$40.00 Each
3-inch diameter Shelby tubes, 18-inches long, with end caps	\$50.00	\$50.00	\$45.00	\$23.50	\$40.00 Each
3-inch diameter Shelby tubes, 24-inches long, with end caps	\$53.00	\$50.00	\$50.00	\$25.00	\$40.00 Each
3-inch diameter Shelby tubes, 30-inches long, with end caps	\$60.00	\$60.00	\$50.00	\$28.00	\$40.00 Each
3-inch diameter Shelby tubes, 36-inches long, with end caps	\$60.00	\$60.00	\$50.00	\$41.00	\$40.00 Each
Chipped bentonite, 50-pound bags	\$11.00	\$10.00	\$10.00	\$10.00	\$8.00 per Bag
Granular bentonite, 50-pound bags	\$11.00	\$10.00	\$10.00	\$10.00	\$8.00 per Bag

Organic Compounds	CGC			Great Lakes			Premier			RVT			SES		
	Full VOC Scan*	EPA 8260	\$83	\$83	SW 8260B	\$95	\$95	\$100	\$100	\$100	\$80	\$80	8260	\$68	\$66
Benzene	0.0055														
1,2-Dichloroethane	0.0049														
Ethylbenzene	2.9	\$33	\$33	SW 8260B	\$50	\$50	\$85	\$85	\$100	\$100	\$100	8021	\$26	\$26	
Toluene	1.5														
Xylenes, Total	4.1														
DRO	100	WI 8015	\$38	WDNR	\$45	\$45	\$35	\$35	\$100	\$100	\$100	WDNR MOD	\$32	\$32	
GRO	100	WI 8021	\$31	WDNR	\$30	\$30	\$30	\$30	\$100	\$100	\$100	8015	\$28	\$28	
Hexane Extractable Material (Oil and Grease)	--		\$66	EPA 1664	\$42	\$42	\$85	\$85	\$100	\$100	\$100	SW 9071A	\$68	\$68	
Pesticides															
Aldrin	0.38														
Dieldrin	0.04														
Endrin	23														
Heptachlor	0.14														
Lindane	--														
Toxaphene	0.58														
Trans-Chlordane	0.49														
Cis-Chlordane	0.49	EPA 808	\$155	SM 8081	\$125	\$125	\$150	\$150	\$60	\$60	\$130	SW 8081	\$125	\$125	
o,p-DDT	1.9														
p,p-DDT	1.9														
o,p-DDD	1.9														
p,p-DDD	1.9														
o,p-DDE	1.9														
p,p-DDE	1.9														
Miscellaneous															
Total Cyanide	--	EPA 9012	\$42	SW 9010/9014	\$24	\$24	\$40	\$40	\$40	\$40	\$68	335.3	\$40	\$40	
PCBs, Total	0.1	EPA 8082	\$138	SW 8082	\$64	\$64	\$125	\$125	\$75	\$75	\$135	8082	\$105	\$105	
pH	--	EPA 9045	\$12	SM 4500H	\$6	\$6	\$10	\$10	\$10	\$10	\$15	150.1	\$8	\$8	
Total Organic Carbon	--	EPA 9060	\$66	SUB	\$50	\$50	\$75	\$75	\$75	\$75	\$44	9060	\$88	\$88	
Electrical Conductivity	--	EPA 9050	\$20	SM 2510	\$25	\$25	\$80	\$80	\$80	\$80	\$45	ASTM D5334	\$680	\$680	
Fecal Coliform	--	SM 9222D	\$32	SUB	\$35	\$35	\$40	\$40	\$40	\$40	\$50	SM 9222D	\$64	\$64	