

Bid #20-03
Materials and Field Testing Services - Annual Contract
Bid Price Sheet
(Estimated Annual Cost)

			Materials Managers and Engineers		Construction Material Services		Nova Engineering & Environmental		United Consulting Group Norcross, GA		GeoHydro Engineers Kennesaw, GA	
Item No.	Item Description	Estimated Annual Quantity	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
Section 1 - Field Testing Services												
A	Compaction Testing - Provide experienced field technician and all equipment to perform field determination of in-place density and percent compaction in accordance with the following ASTM methods											
1	ASTM D2937 - Drive Cylinder Method (3 min)	75	\$24.00	\$1,800.00	\$10.00	\$750.00	\$90.00	\$6,750.00	\$195.00	\$14,625.00	\$350.00	\$26,250.00
2	ASTM D2922 - Nuclear Method (3 min)	200	\$24.00	\$4,800.00	\$20.00	\$4,000.00	\$75.00	\$15,000.00	\$195.00	\$39,000.00	\$225.00	\$45,000.00
B	Securing Hardened Specimens - Provide an experienced operator and all equipment for securing three or four inch diameter cores from asphalt paving or hardened concrete:											
1	Core charges up to 8 locations, 4" diameter cores, at 4" depth (asphalt and/or concrete)	200	\$15.00	\$3,000.00	\$20.00	\$4,000.00	\$365.00	\$73,000.00	\$590.00	\$118,000.00	\$300.00	\$60,000.00
2	Additional 4" Cores	50	\$12.00	\$600.00	\$20.00	\$1,000.00	\$30.00	\$1,500.00	\$25.00	\$1,250.00	\$50.00	\$2,500.00
3	Additional depth (4" cores) greater than 4"	50	\$10.00	\$500.00	\$20.00	\$1,000.00	\$40.00	\$2,000.00	\$25.00	\$1,250.00	\$9.00	\$450.00
4	Core charges up to 8 locations, 6" diameter cores, at 8" depth (asphalt and/or concrete)	100	\$30.00	\$3,000.00	\$25.00	\$2,500.00	\$395.00	\$39,500.00	\$690.00	\$69,000.00	\$600.00	\$60,000.00
6	Additional 6" Cores	50	\$20.00	\$1,000.00	\$30.00	\$1,500.00	\$35.00	\$1,750.00	\$25.00	\$1,250.00	\$100.00	\$5,000.00
6	Additional depth (6" cores) greater than 8"	50	\$15.00	\$750.00	\$30.00	\$1,500.00	\$45.00	\$2,250.00	\$25.00	\$1,250.00	\$18.00	\$900.00
Section 2 - Materials Testing												
A	Concrete Testing											
1	Curing and compression testing of cylinders	500	\$7.00	\$3,500.00	\$9.00	\$4,500.00	\$50.00	\$25,000.00	\$12.00	\$6,000.00	\$10.00	\$5,000.00
2	Preparation of, curing and compression testing of three or four inch diameter cores	50	\$10.00	\$500.00	\$6.00	\$300.00	\$45.00	\$2,250.00	\$25.00	\$1,250.00	\$50.00	\$2,500.00
3	Concrete mix design verification including compression testing of four cylinders	25	\$35.00	\$875.00	\$20.00	\$500.00	\$600.00	\$15,000.00	\$160.00	\$4,000.00	\$425.00	\$10,625.00
4	Sieve analysis for fine and coarse aggregates ASTM C136	100	\$30.00	\$3,000.00	\$40.00	\$4,000.00	\$100.00	\$10,000.00	\$40.00	\$4,000.00	\$150.00	\$15,000.00
5	Unit weight and voids in aggregate ASTM C 29	100	\$2.00	\$200.00	\$2.00	\$200.00	\$75.00	\$7,500.00	\$40.00	\$4,000.00	\$150.00	\$15,000.00
6	Material finer than 75 um (No. 200) Sieve ASTM C 117	100	\$25.00	\$2,500.00	\$30.00	\$3,000.00	\$75.00	\$7,500.00	\$40.00	\$4,000.00	\$150.00	\$15,000.00
7	Pick up cylinders at job site	200	\$9.00	\$1,800.00	\$10.00	\$2,000.00	\$90.00	\$18,000.00	\$100.00	\$20,000.00	\$150.00	\$30,000.00
B	Soil Testing											
1	Natural moisture content	100	\$10.00	\$1,000.00	\$10.00	\$1,000.00	\$15.00	\$1,500.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00
2	Grain Size	100	\$40.00	\$4,000.00	\$40.00	\$4,000.00	\$95.00	\$9,500.00	\$40.00	\$4,000.00	\$100.00	\$10,000.00
3	Washed 200	100	\$40.00	\$4,000.00	\$40.00	\$4,000.00	\$70.00	\$7,000.00	\$60.00	\$6,000.00	\$50.00	\$5,000.00
4	Washed 200 + Hydrometer	100	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$160.00	\$16,000.00	\$80.00	\$8,000.00	\$140.00	\$14,000.00
5	Consolidation Test	100	\$60.00	\$6,000.00	\$50.00	\$5,000.00	\$225.00	\$22,500.00	\$250.00	\$25,000.00	\$450.00	\$45,000.00
6	Undisturbed sample	100	\$3.00	\$300.00	\$3.00	\$300.00	\$150.00	\$15,000.00	\$200.00	\$20,000.00	\$450.00	\$45,000.00
7	Remolded sample	100	\$2.00	\$200.00	\$3.00	\$300.00	\$200.00	\$20,000.00	\$40.00	\$4,000.00	\$100.00	\$10,000.00
8	Triaxial Shear Test	50	\$75.00	\$3,750.00	\$100.00	\$5,000.00	\$600.00	\$30,000.00	\$600.00	\$30,000.00	\$950.00	\$47,500.00
9	Unconfined compressive strength test (to calculate shear strength of soil)	100	\$3.00	\$300.00	\$3.00	\$300.00	\$100.00	\$10,000.00	\$65.00	\$6,500.00	\$50.00	\$5,000.00
10	Standard Proctor – ASTM D 698 Method	200	\$60.00	\$12,000.00	\$50.00	\$10,000.00	\$110.00	\$22,000.00	\$100.00	\$20,000.00	\$110.00	\$22,000.00
11	Modified Proctor – ASTM D 1557 Method	200	\$20.00	\$4,000.00	\$20.00	\$4,000.00	\$125.00	\$25,000.00	\$110.00	\$22,000.00	\$115.00	\$23,000.00
12	Specific gravity of soils ASTM D 854	200	\$4.00	\$800.00	\$5.00	\$1,000.00	\$90.00	\$18,000.00	\$90.00	\$18,000.00	\$100.00	\$20,000.00
13	GDOT 3 gradation of soil-aggregate	100	\$10.00	\$1,000.00	\$10.00	\$1,000.00	\$90.00	\$9,000.00	\$40.00	\$4,000.00	\$200.00	\$20,000.00
14	GDOT 4 gradation of soils to determine % of clay including GDOT 2, GDOT 3 and	100	\$90.00	\$9,000.00	\$100.00	\$10,000.00	\$95.00	\$9,500.00	\$80.00	\$8,000.00	\$200.00	\$20,000.00
15	GDOT 6 volume change of soils - for classification	50	\$90.00	\$4,500.00	\$100.00	\$5,000.00	\$115.00	\$5,750.00	\$50.00	\$2,500.00	\$250.00	\$12,500.00
C	Asphalt Testing											
1	Density of compacted specimen, GDOT 83	50	\$18.00	\$900.00	\$18.00	\$900.00	\$25.00	\$1,250.00	\$21.00	\$1,050.00	\$100.00	\$5,000.00
2	GDOT 3 gradation of fine and coarse aggregate	50	\$2.00	\$100.00	\$2.00	\$100.00	\$120.00	\$6,000.00	\$45.00	\$2,250.00	\$200.00	\$10,000.00
3	GDOT 56 test method for heat stable anti-strip additive for attached specifications	25	\$2.00	\$50.00	\$1.00	\$25.00	\$95.00	\$2,375.00	\$60.00	\$1,500.00	\$500.00	\$12,500.00
4	Extraction, gradation and asphalt content, GDT 83 and or GDT 125 and GDT 38 – shall include travel to project or asphalt plant	60	\$160.00	\$9,600.00	\$180.00	\$10,800.00	\$225.00	\$13,500.00	\$90.00	\$5,400.00	\$500.00	\$30,000.00
5	Moisture susceptibility test, GDT 66 (field mix set of 6 specimens)	50	\$3.00	\$150.00	\$5.00	\$250.00	\$250.00	\$12,500.00	\$250.00	\$12,500.00	\$500.00	\$25,000.00
6	Asphalt rolling pattern per mix design	60	\$90.00	\$5,400.00	\$120.00	\$7,200.00	\$250.00	\$15,000.00	\$250.00	\$15,000.00	\$400.00	\$24,000.00
Total Cost				\$99,875.00		\$105,925.00		\$498,375.00		\$505,575.00		\$699,725.00