

Event 449 – Structural Engineering Services Contract

HBC Engineering Company



Item #	Description	Unit of Measure	Final Rates
	CADD/Computer Technician	Hour	\$ 115.00
	CEI Project Admin/CEI Project Engineer	Hour	\$ 150.00
	CEI Senior Inspector	Hour	\$ 115.00
	CEI Inspector	Hour	\$ 85.00
	CEI Senior Project Engineer	Hour	\$ 200.00
	Chief Engineer 2	Hour	\$ 250.00
	Chief Planner	Hour	\$ 250.00
	Chief Utility Coordinator	Hour	\$ 150.00
	Community Outreach Specialist	Hour	\$ 120.00
	Electrical Engineer	Hour	\$ 180.00
	Engineer 1	Hour	\$ 150.00
	Engineer 2	Hour	\$ 195.00
	Engineering Intern - Roadway	Hour	\$ 120.00
	Engineering Intern	Hour	\$ 120.00
	Engineering Intern	Hour	\$ 120.00
	Engineering Intern	Hour	\$ 120.00
	Engineering Technician	Hour	\$ 110.00
	GIS Specialist	Hour	\$ 119.00
	Project Manager 1	Hour	\$ 160.00
	Senior Engineer 1	Hour	\$ 180.00
	Senior Engineer 2	Hour	\$ 220.00
	Senior Electrical Engineer	Hour	\$ 200.00
	QA/QC Reviewer	Hour	\$ 150.00
	Principal-in-Charge	Hour	\$ 220.00
	Senior Engineering Technician	Hour	\$ 115.00
	Transportation Data Analyst	Hour	\$ 84.61
	Transportation Data Scientist	Hour	\$ 170.00
	Transportation Data Technician	Hour	\$ 90.00
	Utility Coordinator	Hour	\$ 115.00
	Cost Estimation, Schedule and Project Control	Hour	\$ 125.00
	Compliance Specialist	Hour	\$ 110.00
	Administrative Assistant	Hour	\$ 70.00

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 President 

EAC Consulting, Inc.



Item #	Description	Unit of Measure	Final Rates
	Senior Engineer 1	Hour	\$ 189.00
	Senior Engineer 2	Hour	\$ 210.00
	Engineer Intern	Hour	\$ 110.00
	Engineer 2	Hour	\$ 196.90
	Project Manager 2	Hour	\$ 210.00

EV Services, Inc. (EVS)

Item #	Description	Unit of Measure	Final Rates
	Communication, Public Outreach, Grant Funding Ordinances	Hour	\$ 210.00

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Geosol, Inc. (GEO)



Item #	Description	Unit of Measure	Final Rates
212	Asphalt Pvmnt Coring - 6in dia without Base Depth Check	Each	\$ 149.52
305	Concrete Pavement Coring - 4in Dia	Each	\$ 160.00
306	Concrete Pavement Coring - 6in Dia	Each	\$ 245.00
401	Geo Auger Borings-H& & Truck/Mud Bug	LF	\$ 10.50
413	Geo Crosshole Sonic Logging (CSL)*	Day	\$ 145.00
415	Geo Double Ring Infiltration ASTM D3385	Each	\$ 570.00
418	Geo Drill Crew Support Vehicle	Day	\$ 225.00
421	Geo Dynamic Pile Testing/Pile Driving Analyzer*	Day	\$ 350.00
422	Geo Extra SPT Samples-Barge/Track/Amphib 0-50 Ft	Each	\$ 60.00
423	Geo Extra SPT Samples-Barge/Track/Amphib 50-100 Ft	Each	\$ 71.50
424	Geo Extra SPT Samples-Barge/Track/Amphib 100-150 Ft	Each	\$ 84.70
427	Geo Extra SPT Samples-Truck/Mud Bug 0-50 Ft	Each	\$ 53.30
428	Geo Extra SPT Samples-Truck/Mud Bug 50-100 Ft	Each	\$ 60.00
429	Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 71.80
432	Geo Field Perm 0-10 Ft Open-End Borehole Method	Each	\$ 385.00
433	Geo Field Perm 10-25Ft Open-End Borehole Method	Each	\$ 525.00
435	Geo Grout Boreholes- Barge/Track/Amphib 0-50 Ft	LF	\$ 9.50
436	Geo Grout Boreholes- Barge/Track/Amphib 50-100 Ft	LF	\$ 11.40
437	Geo Grout Boreholes- Barge/Track/Amphib 100-150 Ft	LF	\$ 13.80
440	Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	LF	\$ 7.30
441	Geo Grout Boreholes- Truck/Mud Bug 50-100 Ft	LF	\$ 8.70
442	Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 10.30
445	Geo Grouted Monitor Well 2in 0-50 Ft	LF	\$ 40.00
450	Geo Piezometer 2in 0-50 Ft	LF	\$ 45.00
451	Geo Pile Integrity Testing*	Day	\$ 140.00
452	Geo Rock Coring Brg/Track/Amph 0-50 Ft 4in ID & over	LF	\$ 80.00

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Item #	Description	Unit of Measure	Final Rates
454	GeoRocCoring Brg/Track/Amph 50-100 Ft 4in ID & over	LF	\$ 95.00
456	GeoRocCoring Brg/Track/Amph 100-150 Ft 4in ID & over	LF	\$ 106.70
462	Geo Rock Coring Truck/Mud Bug 0-50 Ft 4in ID & over	LF	\$ 62.75
464	Geo Rock Coring Truck/Mud Bug 50-100 Ft 4in ID over	LF	\$ 72.50
466	GeoRocCoring Truck/MudBug 100-150 Ft 4in ID & over	LF	\$ 82.00
472	Geo Saximeter Testing	Hour	\$ 155.00
473	Geo SPT Barge/Track/Amphib 0-50 Ft	LF	\$ 25.20
474	Geo SPT Barge/Track/Amphib 50-100 Ft	LF	\$ 31.75
475	Geo SPT Barge/Track/Amphib 100-150 Ft	LF	\$ 51.00
478	Geo SPT Truck/Mud Bug 0-50 Ft	LF	\$ 16.50
479	Geo SPT Truck/Mud Bug 50-100 Ft	LF	\$ 20.50
480	Geo SPT Truck/Mud Bug 100-150 Ft	LF	\$ 30.50
483	Geo Temp Casing 3in Barge/Track/Amphib 0-50 Ft	LF	\$ 14.04
484	Geo Temp Casing 3in Barge/Track/Amphib 50-100 Ft	LF	\$ 16.56
485	Geo Temp Casing 3in Barge/Track/Amphib 100-150 Ft	LF	\$ 20.00
488	Geo Temp Casing 3in Truck/Mud Bug 0-50 Ft	LF	\$ 9.79
489	Geo Temp Casing 3in Truck/Mud Bug 50-100 Ft	LF	\$ 10.85
490	Geo Temp Casing 3in Truck/Mud Bug 100-150 Ft	LF	\$ 12.80
493	Geo Temp Casing 4in Barge/Track/Amphib 0-50 Ft	LF	\$ 19.00
494	Geo Temp Casing 4in Barge/Track/Amphib 50-100 Ft	LF	\$ 23.00
495	Geo Temp Casing 4in Barge/Track/Amphib 100-150 Ft	LF	\$ 30.00
498	Geo Temp Casing 4in Truck/Mud Bug 0-50 Ft	LF	\$ 13.50
499	Geo Temp Casing 4in Truck/Mud Bug 50-100 Ft	LF	\$ 15.00
500	Geo Temp Casing 4in Truck/Mud Bug 100-150 Ft	LF	\$ 19.00
513	Geo Thermal Integrity Tester (TI)*	Day	\$ 290.00
514	Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 570.00
515	Geo Undisturbed Samples Barge/Track/Amphib 0-50 Ft	Each	\$ 215.00
516	Geo Undisturbed Samples Barge/Track/Amphib 50-100Ft	Each	\$ 255.00

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Item # Description Unit of Measure Final Rates



Item #	Description	Unit of Measure	Final Rates
517	Geo Undisturbed Samples Brg/Track/Amph 100-150 Ft	Each	\$ 270.00
519	Geo Undisturbed Samples Truck/Mud Bug 0-50 Ft	Each	\$ 164.80
520	Geo Undisturbed Samples Truck/Mud Bug 50-100 Ft	Each	\$ 195.00
521	Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 221.20
523	Geo Noise Monitoring*	Day	\$ 65.00
524	Geo Vibration Monitoring*	Day	\$ 65.00
525	Geo Well Development	Hour	\$ 195.00
600	Mobilization - Crosshole Sonic Logging (CSL) Equipment	Each	\$ 250.00
602	Mobilization - Vibration Monitoring Equipment	Each	\$ 250.00
605	Mob Barge Small w/o Crane (permit not required)	Each	\$ 9,600.00
610	Mobilization Drill Rig Track Mount	Each	\$ 2,300.00
612	Mobilization Drill Rig Truck Mount	Each	\$ 530.00
614	Mobilization Mudbug/All Terrain Vehicle	Each	\$ 1,000.00
618	Mobilization Support Boat	Each	\$ 600.00
619	Mobilization Tri-Pod	Each	\$ 850.00
700	MOT Arrow Board	Each	\$ 35.00
701	MOT Attenuator Truck	Hour	\$ 145.00
702	MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 2.00
704	MOT Portable Changeable Message Sign (PCMS)	Each	\$ 160.00
706	MOT Portable Sign	Each	\$ 25.00
708	MOT Provide Channelizing Devices - Cone	Each	\$ 150.00
712	MOT Support Vehicle	Hour	\$ 45.00
805	Soils Corrosion Series FM 5-550 through 5-553	Test	\$ 180.00
809	Soils Hydrometer Only AASHTO T88	Test	\$ 130.00
810	Soils Limerock Bearing Ratio (LBR) FM 5-515	Test	\$ 350.00
811	Soils Liquid Limit AASHTO T89	Test	\$ 60.00
812	Soils Materials Finer than 200 Sieve FM 1-T011	Test	\$ 20.00
817	Soils Moisture Content Laboratory AASHTO T265	Test	\$ 19.60
819	Soils Organic Content Ignition FM 1 T-267	Test	\$ 50.00
822	Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	Test	\$ 70.00

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Item # Description Unit of Measure Final Rates



826	Soils Plastic Limit & Plasticity Index AASHTO T90	Test	\$ 69.00
831	Soils Specific Gravity AASHTO T100	Test	\$ 75.00
832	Soils Split Tensile Strgth of Rock Cores ASTM D3967	Test	\$ 150.00
838	Soils Unconfined Compression - Rock ASTM D7012, Method C	Test	\$ 153.00
	MAT CADD/Computer Technician Home	Hour	\$ 90.00
	MAT Chief Engineer Home	Hour	\$ 220.00
	MAT Engineer Home	Hour	\$ 115.00
	MAT Engineer Intern Home	Hour	\$ 85.00
	MAT Secretary/Clerical Home	Hour	\$ 70.00
	MAT Senior Engineer Home	Hour	\$ 140.00
	MAT Senior Engineering Technician Home	Hour	\$ 110.00

HADONNE CORP

Item #	Description	Unit of Measure	Final Rates
	Chief Surveyor	Hour	\$ 200.00
	Survey Crew Chief	Hour	\$ 80.00
	Survey Crew Chief	Hour	\$ 80.00
	Survey Instrument Operator	Hour	\$ 75.00
	Survey Instrument Operator	Hour	\$ 75.00
	Survey Instrument Operator	Hour	\$ 75.00
	Mobile Survey Analyst 1	Hour	\$ 85.00
	Mobile Survey Analyst 1	Hour	\$ 80.00
	Mobile Survey Analyst 2	Hour	\$ 100.00
	Mobile Survey Analyst 2	Hour	\$ 100.00
	Mobile Survey Analyst 3	Hour	\$ 120.00
	Survey Rod Person	Hour	\$ 60.00
	Survey Rod Person	Hour	\$ 60.00
	Clerical	Hour	\$ 70.00
	Senior Surveyor	Hour	\$ 180.00
	SUE Technician 1	Hour	\$ 60.00
	SUE Technician 3	Hour	\$ 110.00
	Survey Project Manager	Hour	\$ 210.00
	Surveyor	Hour	\$ 175.00
	Survey/GIS/SUE Analyst 3	Hour	\$ 130.00

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KCI

Item #	Description	Unit of Measure	Final Rates
	Senior Landscape Architect	Hour	\$ 220.00
	Landscape Architect	Hour	\$ 150.00
	Landscape Designer/Landscape Planner	Hour	\$ 95.00

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Item #	Description	Unit of Measure	Final Rates
	Senior Engineer	Hour	\$ 225.00
	Engineer II	Hour	\$ 130.00
	Senior Scientist	Hour	\$ 220.00
	Supervisory Engineer	Hour	\$ 245.00
	Senior Engineer Structural	Hour	\$ 220.00
	Enginner III	Hour	\$ 135.00

UWH

Item #	Description	Unit of Measure	Final Rates
	3 Diver Crew	Hour	\$ 375.00
	3 Diver Crew prevailing wage	Hour	\$ 495.00
	Added diver	Hour	\$ 95.00

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Ter Rates

Item #	Description	Unit of Measure	Final Rates
	Project Industrial Hygienist	Hour	\$ 120.00
	Senior Staff Scientist	Hour	\$ 130.00
	Senior Project Manager	Hour	\$ 219.38
	Staff Scientist	Hour	\$ 105.00
	Assistant Scientist	Hour	\$ 90.00
	Regional Services Specialist	Hour	\$ 200.00
	Staff Industrial Hygienist	Hour	\$ 75.00
	Senior Engineering Consultant	Hour	\$ 210.00
	GIS Analyst I	Hour	\$ 120.00
	Department Manager III	Hour	\$ 220.00
	Group Manager	Hour	\$ 140.00
	Senior Environmental Engineer (Part Time)	Hour	\$ 160.00
	GIS Analyst I	Hour	\$ 100.00
	Staff Industrial Hygienist	Hour	\$ 75.00
	Senior Project Manager	Hour	\$ 150.00
	Assistant Scientist	Hour	\$ 93.50
	Senior Scientist	Hour	\$ 155.00
	Program Manager	Hour	\$ 220.00
	Senior Engineer	Hour	\$ 189.26
	Senior Cad Operator	Hour	\$ 85.00
	GIS Manager	Hour	\$ 110.00
	Senior Local Office Administrator	Hour	\$ 90.00
	Manager Regional Services	Hour	\$ 250.00

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TFS Rates

Item #	Description	Unit of Measure	Final Rates
	Principal Engineer	Hour	\$ 250.00
	Senior Engineer	Hour	\$ 189.26
	CADD	Hour	\$ 95.00
	Sr. Engineering Tech.	Hour	\$ 100.64
Field & Laboratory Testing Fees			
Soil Testing			
	Field Density Test (five [5] minimum)	Test	\$ 35.00
	Proctors	Test	\$ 130.00
	Limerock Bearing Ratio Test	Test	\$ 325.00
	Atterberg Limit Test	Test	\$ 85.50
	Carbonate Content Test	Test	\$ 110.00
	Organic Content Test	Test	\$ 65.00
	Corrosion Series	Test	\$ 225.00
	Soil Observation (On Site)	Hour	\$ 65.00
	Natural Sample Moisture Content	Test	\$ 40.00
	Unit Weight and Moisture Content (Undisturbed Sample)	Test	\$ 60.00
Concrete & Masonry Materials			
	Concrete Compression test (Min. four [4] cylinders per trip)	Set	\$ 155.00
	Additional Concrete cylinders	Cyl	\$ 19.00
	Concrete Compression test only [delivered to lab)	Cyl	\$ 19.00
	Slump test	Each	\$ 19.00
	Air Content Test	Each	\$ 20.00
	Stand-by	Hour	\$ 75.00
	Grout Prism (Six [6] per set) - Includes preparation of Prism on site	Set	\$ 85.00
	2" x 2 Mortar Cubes (Six [6] per set) - Includes preparation of Cubes	Set	\$ 85.00
	Additional Mortar cubes	Each	\$ 25.00
	Masonry Units: Compressive Strength	Unit	\$ 85.00
	Masonry Units: Absorption	Unit	\$ 60.00
	Concrete Cores (Min. 3) - Secure, trim & test	Core	\$ 105.00
	Concrete Cores (Min. 3) - Testing of core [delivered to lab (Incl.	Core	\$ 60.00
	Swiss Hammer Testing	Hour	\$ 65.00
	Windsor Probe Test (Min. 3 shots)	Test	\$ 175.00
	Additional Windsor Probe Tests	Test	\$ 105.00



Item #	Description	Unit of Measure	Final Rates
Aggregate Testing			
	Grain size determination: Full grain size (8 sieves)	Test	\$ 78.00
	Grain size determination: Wash through (#200)	Test	\$ 50.00
	Sieve Analysis - Coarse Aggregate	Test	\$ 50.00
	Specific Gravity & Absorption of Fine or Coarse Aggregate	Test	\$ 75.00
Asphalt Testing			
	Asphalt Cores (obtaining core samples)	Each	\$ 200.00
	Asphalt Extraction & Gradation	Each	\$ 180.00
	Asphalt Density and Thickness	Each	\$ 35.00
	Marshall Stability (Incl. density, flow and stability of 3 specimens) (SO)	Each	\$ 170.00
	Coring Machine plus Generator Rental	Trip	\$ 425.00
	Superpave Resolution Testing - Gyratory Compaction, bulk specific	Each	\$ 145.00
	Superpave Resolution Testing - Rice Testing	Each	\$ 120.00
FIELD EXPLORATIONS/ INVESTIGATIONS			
	Auger Borings	Ft	\$ 12.00
	Hand Augers	Ft	\$ 12.00
	Standard Penetration Test Borings - Truck Rig (0' - 50')	Ft	\$ 13.50
	Standard Penetration Test Borings - Truck Rig (51' - 100')	Ft	\$ 18.00
	Grout-Seal Boreholes - 0' - 50'	Ft	\$ 6.50
	Grout-Seal Boreholes - 51' - 100'	Ft	\$ 9.00
	Casing Allowance - 0' - 50'	Ft	\$ 9.00
	Casing Allowance - 51' - 100'	Ft	\$ 11.00
	Support Truck	Day	\$ 200.00
	Muck Probing (4 hr. min.) (2-man crew)	Hour	\$ 165.00
	Mobilization of Truck rig to project (Min. Charge) - 50-mile travel	Each	\$ 500.00
	Mobilization of Truck rig to project (Min. Charge) - 100-mile travel	Each	\$ 500.00
	Mobilization of Track rig to project (Min. Charge)	Each	\$ 1,550.00
MISCELLANEOUS SERVICES			
Percolation Test			
	Double Ring Infiltrometer test	Test	\$ 850.00
	Install Monitoring Well, 25' Depth	LF	\$ 50.00
	Plug & Abandon Monitoring Well, 25' depth	Well	\$ 2,200.00
	MOT (Maintenance of Traffic)	Set-up	\$ 1,800.00

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V3 Architectural Group, Inc.



Item #	Description	Unit of Measure	Final Rates
	Principal;	Hour	\$ 130.00
	Senior Designer	Hour	\$ 120.00
	Project Manager 1	Hour	\$ 120.00
	Project Manager 2	Hour	\$ 90.00
	Senior Architect	Hour	\$ 90.00
	Designer	Hour	\$ 85.00
	CADD/Computer Technician	Hour	\$ 60.00

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