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MEMORANDUM

To: Mayor and City Council

From: Todd Meadows, Public Works Construction Manager

Date: November 12, 2024

Subject: **Approval of Unit Price Contracts for Construction Materials Testing (CMT), Environmental & Geotechnical Services**

ACTION

Approval of unit price contracts with Nova Engineering and Environmental, LLC (Nova), Geo-Hydro Engineering (Geo-Hydro) and United Consulting to provide engineering, construction materials testing, and environmental services on an as-needed basis for capital projects.

SUMMARY

The city recently issued a Request for Qualifications (RFQ) for geotechnical engineering, construction materials testing and environmental services on an as-needed basis. The main services required include quality assurance testing for construction materials, soil testing, and engineering recommendations for building foundations, retaining walls and pavement. Additionally, the RFQ seeks environmental sampling and analysis for hazardous materials in soil, water and building materials.

DETAILS

The city received seven proposals in response to RFQ 24-04 and evaluated each firm based on their experience, extent and depth of services and qualifications of proposed personnel. Based on these considerations, Nova, Geo-Hydro and United Consulting firms were determined to be the most responsive to the RFQ.

Funding for this contract will be included in the specific capital project's budget for which these services are needed.

RECOMMENDED ACTION

Staff recommends award of unit price contracts to Nova Engineering and Environmental, LLC, Geo-Hydro Engineers and United Consulting. The term of the contracts will be for three years with a one-year optional renewal that will be based upon performance.

**STAND-BY CONSTRUCTION MATERIALS
TESTING / ENVIRONMENTAL SERVICES /
GEOTECHNICAL SERVICES UNIT PRICE
CONTRACT**

Firm	Average	RANK ORDER
2MNext	82	7
Geo Hydro Engineers	92	2
United Consulting	89	3
Nova Engineering & Environmental	95	1
S&ME, Inc.	89	4
GMC	84	6
Oasis Consulting Services	88	5

RFQ 24-04 WEIGHTED RANKING

CRITERIA	MAX RATING
Firm Qualifications	25
Staff Qualifications	25
Approach	10
Capabilities	20
References	10
Quality Assurance	10
	100

RFQ 24-04 Rate Sheet/Bid Tabulation
Stand-by CMT/Environmental/Geotechnical Services for City of Dunwoody

RFQ 24-04 Rate sheet	JULY 2021			
	Previous Contract	NOVA BnF	Geo-Hydro BnF	United BnF
Description:	Unit Rate (\$\$)	Unit Rate (\$\$)	Unit Rate (\$\$)	
Professional Services				
Principal Engineer / Geologist	150	\$175.00	\$250	\$292/hour
Project Manager		\$125.00	\$200	\$205/hour
Project Engineer / Geologist		\$115.00	\$115	\$205/hour
Staff Engineer / Geologist		\$95.00	\$115	\$157/hour
Clerical / Drafting Support		\$55.00	\$75	\$76/hour
ICC Commercial Building Inspector	110	\$135.00	\$190	\$157/hour
ICC Special Inspector for MEP trades		\$135.00	\$190	\$157/hour
ASNT Level II inspector	95	\$125.00	\$190	\$157/hour
Concrete Technician, Level I	60	\$65.00	\$85	\$86/hour
Asphalt Technician, Level III	60	\$75.00	\$85	\$99/hour
Soil Technician, Level II	60	\$75.00	\$85	\$95/hour
Engineering Aide		\$85.00	\$80	\$95/hour
Weld Inspector		\$95.00	\$190	\$157/hour
Laboratory Services				
Concrete				
Compressive strength cylinder	12	\$18.00	\$30	\$21/each
Flexural Strength Beam		\$50.00	\$150	\$54/each
Compressive Strength Core		\$50.00	\$85	\$62/each
Grout Prism	15	\$30.00	\$35	\$27/each
Cube Specimens	15	\$20.00	\$35	\$23/each
Concrete Masonry Unit Compression Test		\$275.00	\$220	\$80/each
Concrete Mix Design Verification	175	\$500.00	\$3,000	\$195/each
Fine Aggregate Sieve Analysis	45	\$100.00	\$140	\$169/each
Coarse Aggregate Sieve Analysis	50	\$100.00	\$175	\$128/each
Aggregate Specific Gravity	35	\$125.00	\$155	\$171/each
Soils				
Sieve Analysis		\$125.00	\$140	\$128/each
Atterberg limits	70	\$110.00	\$140	\$124/each
Moisture content	10	\$17.00	\$40	\$49/each
Organic content	55	\$50.00	\$140	\$113/each
Sieve analysis Wash 200	70	\$75.00	\$100	\$169/each
Sieve analysis hydrometer	100	\$175.00	\$200	\$200/each
Standard proctor	120	\$125.00	\$250	\$164/each
modified proctor	145	\$135.00	\$300	\$185/each
Specific gravity test	35	\$125.00	\$155	\$169/each
triaxial shear test [UU]		\$1,300.00	\$400	\$360/each
triaxial shear test [CU]		\$1,300.00	\$3,075	\$1284/each
triaxial shear test [CU with pore pressure]		\$1,400.00	\$3,075	\$1388/each
Add for remold		\$60.00	\$100	\$128/each
Cosolidation Test		\$675.00	\$1,050	\$771/each
Corrosivity Series		\$350.00	\$1,255	\$237/each
Asphalt				
Extraction Gradation Test	152	\$185.00	\$385	\$247/each
Marshall Stability and density Test	155	\$350.00	\$325	\$333/each
Core Thickness and Density	24	\$45.00	\$40	\$99/each
Bitumen Content and Gradation		\$185.00	\$385	\$285/each
Core density and Thickness with splitting		\$90.00	\$65	\$346/each
Theoretical Voidless Density		\$185.00	\$165	\$380/each
Drilling Services				
Auger Boring		\$9.00	\$12	\$14/l.f.
Auger boring over 50 ft		\$10.00	\$15	\$17/l.f.
Soil test boring <50 ft		\$18.00	\$16.0	\$18/l.f.

RFQ 24-04 Rate Sheet/Bid Tabulation
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RFQ 24-04 Rate sheet	Previous Contract	NOVA BnF	Geo-Hydro BnF	United BnF
Soil test boring >50 ft		\$19.00	\$20	\$19/l.f.
Rock Coring Setup		\$250.00	\$260	\$463/each
Rock coring less than 50 ft		\$60.00	\$65	\$113/l.f.
Casing less than 50 ft		\$20.00	\$12.0	\$21/l.f.
Rock coring over 50 ft		\$75.00	\$65	\$121/l.f.
Difficult Moving		\$250.00	\$250	\$395/hour
Undisturbed Sampling		\$110.00	\$115	\$164/each
Asphalt patch		\$50.00	\$40	\$128/each
Mobilization		\$750.00	\$800	\$719/each
Drilling Services (Continued)				
ATV Mobilization		\$850 / Each	\$800	\$822/each
Water Hauling		\$250 / HR	\$250	\$395/hour
Bulk Sample		\$50 / Each	\$75	\$90/each
Grout borehole		\$15 / LF	\$12	\$395/hour
Groundwater well installation-temporary		\$25 / LF	\$32	\$47/l.f.
Decontamination of Drilling/Sampling		\$250 / Each	\$430	\$395/l.f.
Bailers		\$20 / Each	\$23	\$31/each
Drilling crew and equipment		\$250 / HR	\$345/hr	\$395/l.f.
Minimum Daily rate (8 hours)		\$2500 / Each	\$3,450	\$252/hour
Extra split spoon sampling		\$35 / Each	\$38	\$52/each
Clearing		\$250 / HR	\$2,450	\$2328/day
Temporary observation well		\$30 / LF	\$28	\$47/l.f.
Type I Monitoring Well		\$50 / LF	\$56	\$47/foot
Well pad and manhole		\$350 / Each	\$380	\$285/each
Steam cleaner rental		\$250 / Day	\$460	\$395/hour
Hole covers		\$150 / Each	\$145	\$285/each
Additional Charges				
Sub-Contractors/Supplies and Expenses	+10%	+10%		15%
Asphalt/Concrete Coring Services				
Asphalt cores - 4 inch diameter (each)			\$25	
Asphalt cores - 8 inch diameter (each)			\$70	
Concrete Cores (each)			\$70	
Stand-by Time (per hour)			\$85	
Full Depth Reclamation / Soil Cement Mix Design			\$3,000	
Vehicle transportation	no charge	\$0		\$0.67/mile
Level A SUE, 0-10 holes		N/A		\$903.00/hole
Level A SUE, 10-20 holes		N/A		\$879.00/hole
Level A SUE, 20-30 holes		N/A		\$855.00/hole
Survey Crew		N/A		\$185.00/hour
Level B SUE / 1/2-day field		N/A	\$850	
Level B SUE / day field		N/A	\$1,650	
Overtime				1.5

NOTE 1: All SUE pricing to include mobilization, spoils disposal, backfill and final report.

NOTE 2: For any other services provided by your firm, but not listed above, you may attach a unit rate sheet