

March 2, 2006

E-04d

To: John M. Lamerato, Acting City Manager

From: Brian P. Murphy, Assistant City Manager/Services  
Jeanette Bennett, Purchasing Director  
Steve Vandette, City Engineer 

Subject: **Agenda Item:** Standard Purchasing Resolution 8 – Best Value Award  
Municipal Testing Services for the 2006-2009 Construction Seasons

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**RECOMMENDATION**

On February 22, 2006, request for proposals were opened for Professional Municipal Testing Services for the City of Troy 2006 – 2009 construction season. City management recommends awarding two, three-year contracts to the firms providing the best value, Professional Service Industries, Inc., (PSI), 1000 North Opdyke Road, Suite C, Auburn Hills, MI and Testing Engineers and Consultants, Inc., (TEC), 1343 Rochester Road, Troy, MI at unit prices contained in the attached bid tabulation and respective rate schedules.

The award is contingent upon contractors' submission of properly executed proposal and contract documents, including the agreement, insurance, and all other specified requirements.

**BACKGROUND INFORMATION**

Whereas all previous contracts have been with one consultant, we are recommending two consultants to better serve our needs and assure high quality and value in all the services that are provided. PSI submitted the lowest overall cost, based on the representative testing services used in the request for proposal. PSI is a large national testing firm with over 125 offices throughout the United States and five (5) offices located in Michigan. The testing services provided by PSI would be performed out of their Auburn Hills location, located within 15 minutes of the City.

TEC's overall cost for these same services ranked second lowest. TEC is located in Troy and has provided testing services to the City of Troy for more than 30 years. Both consultants are well qualified and have the staff and experience to meet the needs of the City. By selecting two consultants, the City will ensure that our testing needs throughout the construction season are met. More importantly, we believe we will benefit from greater availability of all testing services, so that our needs can be met with the most timely, highest quality and cost effective service possible.

The effective date of the resulting contracts will be April 1, 2006, or upon City Council approval whichever is later, through March 31, 2009, with the option to renew the contracts for an additional three (3) years.

March 2, 2006

To: John M. Lamerato, Acting City Manager

Re: Bid Award - Municipal Testing Services for the 2006-2009 Construction Seasons

### **SELECTION PROCESS**

The Request for Proposal (RFP) documents were available from the City of Troy Purchasing department or through the Michigan Intergovernmental Trade Network (MITN) e-procurement website at [www.govbids.com](http://www.govbids.com).

Proposals were received from seven (7) consultants. The seven (7) proposals were rated on a pass / fail criteria. Of the seven (7) proposals, five (5) met the pass / fail criteria established for the Municipal Testing Services. "Appendix 1" details the reasons for firms failing the minimum requirement criteria.

The five (5) remaining firms were analyzed on a combination of price and quality. Cost comparisons between companies are very difficult to make because fee structures and billing methods differ considerably from company to company. To perform the cost comparisons, staff used representative testing services based on services provided in past construction seasons and applied each company's rates to the testing that was required. This cost comparison indicated that the prices submitted by PSI resulted in the lowest overall total cost. TEC is the second lowest overall total cost; 5.11% or \$4,100.00 higher for the representative testing services used. (see attached "Bid Tabulation").

Our testing demands are very erratic and vary drastically from day to day. With one day's notice, we can go from requiring no testing technicians to requiring as many as four or more testing technicians. This requires the testing consultant to have a large flexible staff to draw upon. Both consultants have experienced staff available to meet these needs as requested.

### **BUDGET**

Testing services, completed for capital projects, are funded from the appropriate project account as identified in the budget.

Funds for testing services related to private developments come from a cash deposit for material and construction testing services in the amount of one and one-half (1½) percent of the estimated construction cost.

Additionally, the Engineering Operating Budget includes funds for Consultant Services in the following accounts:

- 442.7816 – Engineering Projects – Consultant Services
- 443.7816 – Engineering Subdivisions – Consultant Services
- 444.7816 – Engineering General – Consultant Services

The funds included in these accounts are used for testing services, as required.

Prepared by: William J. Huotari, Deputy City Engineer

## **EXECUTIVE SUMMARY MUNICIPAL TESTING SERVICES**

### **STATISTICS:**

- ◆ Seven (7) Proposal notices were sent to prospective bidders
- ◆ Seventy- three (73) Vendors notified on the MITN System
- ◆ Seven (7) firms responded to the proposal
- ◆ Five (5) firms met the pass / fail criteria
- ◆ PSI and TEC are the recommended consultants as a result of a best value process

### **Selection Process:**

1. Firms were evaluated on Pass / Fail Criteria
2. Two lowest bidders who pass Phase 1 will be recommended for award

## APPENDIX 1

### MUNICIPAL TESTING SERVICES BIDDERS FAILING MINIMUM REQUIREMENTS

RFP-COT 05-58

#### List of Bidders Not Meeting Evaluation Criteria

COMPANY NAME:	REASON FOR DISQUALIFICATION
G2 Consulting Group, LLC	Bid non-responsive – failed to provide all information requested specifically public project experience.
TTL Associates, Inc	Bid incomplete -- Unit prices for three items were missing and cannot be accepted after the bid closing time.

The Request for Proposal will provide Professional Municipal Testing Services for the 2006 through the 2009 Construction Seasons with an option to renew for three (3) additional years with mutual consent.

The City of Troy reserves the right to award this proposal to the companies considered the most qualified based upon a combination of factors including but not limited to the following:

- A) Compliance with qualifications criteria
- B) Completeness of the proposal
- C) Correlation of the proposal submitted to the needs of the City of Troy
- D) Any other factors which may be deemed to be in the City's best interest
- E) Evaluation of fee proposals
- F) Most effective total package

VENDOR NAME:

Consultant #1	Consultant #2
PROFESSIONAL SERVICES	TESTING ENGINEERS &
INDUSTRIES, INC	CONSULTANTS, INC
- PSI -	- TEC -

**PROPOSAL: PROVIDE PROFESSIONAL MUNICIPAL TESTING SERVICES FOR THE CITY OF TROY ENGINEERING DEPARTMENT FOR THE 2006 THROUGH 2009 CONSTRUCTION SEASONS**

FIRM QUESTIONNAIRE: Y or N

**PROPOSAL:**

EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total
25 Hrs	Professional Engineer	\$ 93.00	\$ 2,325.00	\$ 90.00	\$ 2,250.00
250 Hrs	Senior Engineering Technician	\$ 27.00	\$ 6,750.00	\$ 31.00	\$ 7,750.00
450 Miles	Mileage Charge (If any)	NC	\$ -	NC	\$ -
30 Hrs	Senior Engineer Review	\$ 70.00	\$ 2,100.00	\$ 75.00	\$ 2,250.00
50 Hrs	Field or Engineering Technician	\$ 27.00	\$ 1,350.00	\$ 28.00	\$ 1,400.00
40 Hrs	Project Manager	\$ 70.00	\$ 2,800.00	\$ 85.00	\$ 3,400.00

**Additional Required Services:**

4-hour minimum for Engineering/  
 Field Technician Only

**Optional / Services etc:**

\$ 70.00 per hour

**FIELD TESTING**

EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total
40 Hrs	Pick Up Samples	\$ 25.00	\$ 1,000.00	\$ 28.00	\$ 1,120.00
280 Miles	Mileage Charge (If any)	NC	\$ -	NC	\$ -
110 Hours	Nuclear Density Gauge	\$ 5.00	\$ 550.00	\$ 5.00	\$ 550.00
	Equipment Charge (If any)	N/A	\$ -	\$ -	\$ -
240 Miles	Mileage Charge (If any)	NC	\$ -	NC	\$ -
940 Feet	Soil Borings (0'-25' typical)	\$ 9.00	\$ 8,460.00	\$ 9.50	\$ 8,930.00
	Mobilization Charge (If any)	\$ 275.00	\$ 275.00	\$ 300.00	\$ 300.00
30 Hrs	Concrete Field Test	\$ 27.00	\$ 810.00	Included-Tech Rate	
15 Hrs	Pavement Cores	\$ 40.00	\$ 600.00	\$ 50.00	\$ 750.00

**Additional Required Services:**

**Optional / Services etc:**

\$ 10.00 per inch

**LAB ANALYSIS**

EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total
240 each	Concrete Cylinders	\$ 8.75	\$ 2,100.00	\$ 9.50	\$ 2,280.00
330 each	Proctor Test	\$ 85.00	\$ 28,050.00	\$ 90.00	\$ 29,700.00
20 each	Sieve Analysis	\$ 45.00	\$ 900.00	\$ 50.00	\$ 1,000.00
210 each	Extractions	\$ 90.00	\$ 18,900.00	\$ 90.00	\$ 18,900.00

**Additional Required Services:**

\$ 45.00 unit wt

**Optional / Services etc:**

\$ 3.50 each

VENDOR NAME:

		Consultant #1		Consultant #2	
		PSI		TEC	
EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total
20 each	Asbestos	\$ 15.00	\$ 300.00	\$ 17.00	\$ 340.00
20 each	Lead Based Paint	\$ 17.00	\$ 340.00	\$ 20.00	\$ 400.00
5 each	Presence of PCB's	\$ 65.00	\$ 325.00	\$ 65.00	\$ 325.00
5 each	Presence of Mercury	\$ 12.00	\$ 60.00	\$ 40.00	\$ 200.00
50 Hrs	Air Quality Monitoring In Accordance w/Asbestos Abatement	\$ 45.00	\$ 2,250.00	\$ 50.00	\$ 2,500.00
<b>Additional Required Services:</b>				\$ 45.00	per hour
				\$ 110.00	per hour
				\$ 60.00	per hour
<b>Optional / Services etc:</b>		\$ 45.00	per hour		
<b>TOTALS</b>			\$ 80,245.00		\$ 84,345.00
<b>OVERTIME RATES:</b>		1.3		1.35	
<b>SUNDAY RATES:</b>		1.5		1.7	
<b>HOLIDAY RATES:</b>		1.7		1.7	
<b>INSURANCE:</b> Can meet Cannot meet		XX		XX	
<b>TERMS:</b>		Attached to Bid - Remarks		Net 30 Days	
<b>WARRANTY:</b>		NA		NA	
<b>DELIVERY DATES:</b>		As Requested		City of Troy Schedule	
<b>EXCEPTIONS:</b>		None		Rates are subject to an annual 3% increase or annual CPI whichever is less	
<b>ACKNOWLEDGEMENT:</b> Y or N		Yes		Yes	

**INSURANCE:** Can meet  
Cannot meet

**TERMS:**

**WARRANTY:**

**DELIVERY DATES:**

**EXCEPTIONS:**

**ACKNOWLEDGEMENT:** Y or N

**DMS:**

G2 Consulting Group LLC (\$73,165) Reason: Bid non-responsive

TTL Associates Inc (\$124,235) Reason: Incomplete bid

**ATTEST:**

Cheryl Stewart

William Huotari

Linda Bockstanz

**BOLDFACE TYPE DENOTES BEST VALUE PROPOSALS**

Jeanette Bennett  
Purchasing Director

VENDOR NAME:

CTI & Associates, Inc.	SOIL & MATERIALS	Schleede Hampton
	ENGINEERS, INC	Associates, Inc.
	SME	

**PROPOSAL: PROVIDE PROFESSIONAL MUNICIPAL TESTING SERVICES FOR THE CITY OF TROY ENGINEERING DEPARTMENT FOR THE 2006 THROUGH 2009 CONSTRUCTION SEASONS**

FIRM QUESTIONNAIRE: Y or N

Yes Yes Yes

**PROPOSAL:**

EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total	Unit Price	Total
25 Hrs	Professional Engineer	\$ 90.00	\$ 2,250.00	\$ 100.00	\$ 2,500.00	\$ 105.00	\$ 2,625.00
250 Hrs	Senior Engineering Technician	\$ 42.00	10,500.00	* \$55.00	13,750.00	\$ 55.00	13750.00
450 Miles	Mileage Charge (If any)	\$ 0.25	\$ 112.50	\$ 0.50	\$ 225.00	\$ -	\$ -
30 Hrs	Senior Engineer Review	\$ 75.00	\$ 2,250.00	\$ 100.00	\$ 3,000.00	\$ 75.00	\$ 2,250.00
50 Hrs	Field or Engineering Technician	\$ 34.00	\$ 1,700.00	* \$45.00	\$ 2,250.00	\$ 50.00	\$ 2,500.00
40 Hrs	Project Manager	\$ 75.00	\$ 3,000.00	\$ 120.00	\$ 4,800.00	\$ 95.00	\$ 3,800.00

**Additional Required Services:**

* Minimum 4hr/day	\$ 40.00	per day
\$ 795.76	commun fees	Veh/Commun charge
3% of prof fees		

**Optional / Services etc:**

See Fee Schedule  
 FS:0 in Attachmt A

**FIELD TESTING**

EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total	Unit Price	Total
40 Hrs	Pick Up Samples	\$ 30.00	\$ 1,200.00	\$ 35.00	\$ 1,400.00	\$ 50.00	\$ 2,000.00
280 Miles	Mileage Charge (If any)	\$ 0.25	\$ 70.00	\$ 0.50	\$ 140.00	\$ -	\$ -
110 Hours	Nuclear Density Gauge	\$ 34.00	\$ 3,740.00	\$ 45.00	\$ 4,950.00	\$ 55.00	\$ 6,050.00
	Equipment Charge (If any)	\$ -	\$ -	\$ 50.00	\$ 550.00	\$ 45.00	\$ 45.00
240 Miles	Mileage Charge (If any)	\$ 0.25	\$ 60.00	\$ 0.50	\$ 120.00	\$ -	\$ -
940 Feet	Soil Borings (0'-25' typical)	\$ 15.00	14,100.00	\$ 13.00	12,220.00	\$ 12.00	11,280.00
	Mobilization Charge (If any)	\$ 275.00	\$ 275.00	\$ 400.00	\$ 400.00	\$ 250.00	\$ 250.00
30 Hrs	Concrete Field Test	\$ 34.00	\$ 1,020.00	\$ 45.00	\$ 1,350.00	\$ 55.00	\$ 1,650.00
15 Hrs	Pavement Cores	\$ 60.00	\$ 900.00	\$ 140.00	\$ 1,960.00	\$ 75.00	\$ 1,125.00

**Additional Required Services:**

\$ 40.00	per day
See Attachment A.1	Veh/Commun charge

**Optional / Services etc:**

See Fee Schedules  
 FS1 & FS4 in Attachmt A

**LAB ANALYSIS**

EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total	Unit Price	Total
240 each	Concrete Cylinders	\$ 10.50	\$ 2,520.00	\$ 14.00	\$ 3,360.00	\$ 16.00	\$ 3,840.00
330 each	Proctor Test	\$ 85.00	28,050.00	\$ 60.00	19,800.00	\$ 125.00	41,250.00
20 each	Sieve Analysis	\$ 50.00	\$ 1,000.00	* \$120.00	\$ 2,400.00	\$ 75.00	\$ 1,500.00
210 each	Extractions	\$ 100.00	21,000.00	\$ 150.00	31,500.00	\$ 125.00	26,250.00

**Additional Required Services:**

\$ 42.00	per hour
Admin Asst	
* Inc loss by wash	

**Optional / Services etc:**

See Fee Schedules  
 FS1 & FS4 in Attachmt A

CITY OF TROY  
REQUEST FOR PROPOSAL  
PROFESSIONAL TESTING SERVICES

Opening Date -- 2-22-06  
Date Prepared -- 3/1/06

VENDOR NAME:

CTI & Associates, Inc.	SME	Schleede Hampton Associates, Inc.
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<b>PRE-DEMOLITION HAZARDOUS MATERIAL SURVEY WORK:</b>							
EST. QTY.	SERVICE	Unit Price	Total	Unit Price	Total	Unit Price	Total
20 each	Asbestos	* \$25.00	\$ 500.00	\$ 8.40	\$ 168.00	\$ 50.00	\$ 1,000.00
20 each	Lead Based Paint	* \$35.00	\$ 700.00	\$ 7.20	\$ 144.00	\$ 50.00	\$ 1,000.00
5 each	Presence of PCB's	* \$70.00	\$ 350.00	\$ 84.00	\$ 420.00	\$ 75.00	\$ 375.00
5 each	Presence of Mercury	* \$25.00	\$ 125.00	\$ 120.00	\$ 600.00	\$ 50.00	\$ 250.00
50 Hrs	Air Quality Monitoring In Accordance w/Asbestos Abatement	\$ 85.00	\$ 4,250.00	\$ 58.00	\$ 2,900.00	\$ 95.00	\$ 4,750.00

<b>Additional Required Services:</b>	* Analytical Testing Only						
Travel/Mobilization	\$ 120.00 per trip			See Attachment A.2			
Sampling	\$ 75.00 per sample						

<b>Optional / Services etc:</b>				See Attachment A.2			
				FS1 & FS11 in Attachmt A		See Fee Schedule	

<b>TOTALS</b>		<b>99,672.50</b>		<b>112,587.00</b>		<b>127,540.00</b>	
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<b>OVERTIME RATES:</b>	1.2	1.33	1.4
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<b>SUNDAY RATES:</b>	1.6	1.33	1.4
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<b>HOLIDAY RATES:</b>	1.6	1.33	1.4
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<b>INSURANCE:</b> Can meet	XX	XX	XX
Cannot meet			

<b>TERMS:</b>	Blank	Net 30 Days	Blank
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<b>WARRANTY:</b>	Blank	NA	Blank
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<b>DELIVERY DATES:</b>	Blank	To be Determined	Blank
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<b>EXCEPTIONS:</b>	Blank	Blank	Blank
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<b>ACKNOWLEDGEMENT:</b>	Y or N	Yes	Yes	Yes
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**Remarks:**

- All rates are billed on a portal to portal basis
- Transportation, lodging and per diem for out of town services will be charged at cost plus 10 percent.
- Rates involving mileage (including transportation, mobilization, vehicle and trip charges) are subject to change based upon IRS rates for mileage.
- Overtime rates are applicable for services performed in excess of 8 hours per day Monday through Friday, before 7:00 AM or after 5:00 PM, and for all hours worked on Saturdays, Sundays. The overtime rate is 1.3 times the applicable unit rate for work performed over 8 hours, 1.5 times the applicable unit rate for work performed on Sundays and 1.7 times the applicable unit rate for work performed on City of Troy recognized holidays.
- A minimum charge of 3 hours applies to field testing and observation services.
- Scheduling or cancellation of field testing and observation services is required no less than the working day prior to the date the services are to be performed. Services cancelled without advance and/or inadequate notice will be assessed a minimum 3 hour charge, if technician has already arrived on site.
- 24-hour notice is required for all scheduling. PSI will try to provide a technician when scheduled the same day, but cannot guarantee that a technician will be available.
- For all PSI services, a project management/ review charge will be billed at the rate of 0.1 hour per technician hour for all reports issued for the scheduling/supervision of personnel and the evaluation/review of data and reports. Laboratory services will be billed at 0.2 hours of project manager per set of cylinders, and 0.5 hours of project manager for proctors, sieves and asphalt extractions
- The minimum billing increment for time is a half hour.
- Asbestos and Lead sample rates are based on three day turn around time.
- Drilling and field service rates are based on OSHA Level D personnel protection.
- Mobilization for drilling services will be charged per occurrence of drilling services requested. Stand by time in excess of one (1) hour due to client delays will be charged at \$80.00 per hour
- Services and fees not listed on this schedule may be quoted on request.



Testing Engineers & Consultants, Inc.

City of Troy  
February 22,2006

TEC Proposal: 010-06-0127

UNIT RATES

A. CONSTRUCTION SERVICES

1.0 TECHNICAL, ENGINEERING AND CONSULTING SERVICES

1.1 Engineering Technician (Soils, Concrete, Bituminous).....	Hour	\$ 30.00
1.2 Roof Inspector .....	Hour	\$ 36.00
1.3 Structural Steel Inspector.....	Hour	\$ 40.00
1.4 Senior Engineer Review.....	Hour	\$ 78.00
1.5 Project Manager.....	Hour	\$ 84.00
1.6 Professional Engineer .....	Hour	\$ 90.00
1.7 Deposition, Expert Witness, etc. ....	Hour	\$150.00

2.0 LABORATORY SERVICES

2.1 Aggregate		
a. Moisture Density Relationship, (Proctor) .....	Each	\$ 95.00
b. Sieve Analysis.....	Each	\$ 45.00
2.2 Bituminous		
a. Extraction (Percent Asphalt).....	Each	\$ 95.00
b. Sieve Analysis.....	Each	\$ 45.00
c. Bulk Density of the Mix (unit weight) .....	Each	\$ 45.00
2.3 Concrete		
a.. Compressive Strength .....	Each	\$ 9.50
c. Pickup, hourly plus mileage .....		\$28.00/hr. + \$Nc/mile
2.4 Masonry		
a. Grout Specimen: Compressive Strength.....	Each	\$ 18.00
b. Masonry Unit:		
1. Absorption & Unit Weight .....	Each	\$ 50.00
2. Compressive Strength .....	Each	\$ 40.00
c. Mortar Cubes: Compressive Strength .....	Each	\$ 18.00
2.5 Fireproofing		
a. Fireproofing Density .....	Each	\$ 50.00

3.0 EQUIPMENT AVAILABLE IN CONJUNCTION WITH TEC PERSONNEL

3.1 Soils/Bituminous Concrete Nuclear Density Gauge.....	Hour	\$ 5.00
3.2 Structural Steel		
a. Magnetic Particle Equipment .....	Day	\$ 50.00
b. Ultrasonic Testing Instrument .....	Day	\$ 50.00
c. Ultrasonic Thickness Gauge.....	Day	\$ 50.00
d. Dye Penetrant Equipment .....	Day	\$ 50.00

**Testing Engineers & Consultants, Inc.**

City of Troy  
February 22, 2006

TEC Proposal: 010-06-0127

**UNIT RATES (cont.)**

**B. GEOTECHNICAL SERVICES**

**1.0. DRILLING**

1.1 Mobilization and moving of drilling equipment on and off site	
a. Per Mile.....	\$3.15
b. Per Day (Minimum).....	\$300.00
1.2 ATV Charge.....	\$315.00
1.3 Boring Layout.....	Hour \$ 85.00
1.4 Soil sampling using either split-barrel sampler (ASTM D1586) or liner sampler (ASTM D1587) at 2 1/2 foot intervals to 10 feet, and 5 foot thereafter	
a. 0' - 25' .....	Foot \$ 9.50
b. 26' - 50' .....	Foot \$ 11.50
c. 51' - 75' .....	Foot \$ 13.75
d. 76' - 100' .....	Foot \$ 19.00
e. 100+'.....	Quoted Upon Request

An additional charge of \$1.00 per foot will be made for soils with more than 50 blows per foot or 4.5 tsf qu or strata containing boulders, slag, building rubble or broken concrete.

**1.5 Additional Split-Spoon Sampling**

a. 0' - 50' .....	Each \$ 14.00
b. 50' - 100' .....	Each \$ 18.00

**1.6 Rock Coring**

a. \$150.00 set up per hole, plus.....	Foot \$ 40.00
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1.7 Auger-drilling with profile sampling.....	Foot \$ 8.50
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1.8 Cost of special equipment or permit for moving drilling equipment about the site.....	At Cost Plus 15%
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1.9 Set up time per hole or time required to move between boring locations in excess of 1/2 hour or stand by time .....	Hour \$140.00
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**Testing Engineers & Consultants, Inc.**

City of Troy  
February 22,2006

TEC Proposal: 010-06-0127

**UNIT RATES (cont.)**

**B. GEOTECHNICAL SERVICES (cont.)**

**1.0. DRILLING (cont.)**

- 1.1 Thin wall (Shelby) tubes.....Each \$ 40.00
- 1.2 Drilling through concrete or asphalt.....Inch \$ 13.00

**2.0 LABORATORY TESTING**

- 2.1 Atterberg Limits Determination (LL and PL).....Each \$ 84.00
- 2.2 Hydrometer & Sieve Analysis (Combined).....Each \$150.00
- 2.3 Loss on Ignition (Organic Content) .....Each \$ 50.00
- 2.4 Sieve Analysis.....Each \$ 50.00
- 2.5 Specific Gravity Determination.....Each \$ 50.00
- 2.6 Standard Series (Moisture, Density, Rimac Unconfined).....Each \$ 10.50
- 2.7 Unconfined Compression Test (Split-spoon or Liner Sample).....Each \$ 16.00
- 2.8 Unconfined Compression Test (Undisturbed Tube Sample).....Each \$ 40.00
- 2.9 Permeability Test (Falling Head) .....Each \$210.00
- 2.10 Permeability Test (Sample Prep) .....Hour \$ 55.00

**3.0. GEOTECHNICAL ENGINEERING**

Professional and technical services for field supervision, analysis of test data, and engineering recommendations and consultation.

- 1. Senior Engineer .....Hour \$ 80.00
- 2. Project Management/ Coordination.....Hour \$ 85.00
- 3. Geotechnical Engineer/Professional Engineer .....Hour \$100.00

**4.0 REMARKS**

- 1. Rate for advanced laboratory testing will be quoted upon request.
- 2. Services and fees not listed above, such as the installation of groundwater monitoring wells, will be quoted upon request.

**C. INDUSTRIAL HYGIENE**

- 1. Asbestos Sample Analysis (3day TAT).....Each \$ 17.00
- 2. Asbestos Air Sample Analysis PCM (Included in Hourly Rate)
- 3. Transmission Electron Microscopy (1 day TAT).....Each \$125.00

# Testing Engineers & Consultants, Inc.

City of Troy  
February 22, 2006

TEC Proposal: 010-06-0127

## UNIT RATES (cont.)

### C. INDUSTRIAL HYGIENE (cont.)

- |  |      |           |
|--|------|-----------|
| 4. Lead Paint Sample Analysis .....                                      | Each | \$ 20.00  |
| 5. Specialized Air Quality Testing quoted on a per project basis         |      |           |
| 6. Asbestos and Lead Paint Building Survey quoted on a per project basis |      |           |
| 7. Asbestos Removal Bid Specification quoted on a per project basis      |      |           |
| 8. Field Technician, .....   | Hour | \$ 50.00  |
| 9. Senior Project Manager, .....   | Hour | \$ 60.00  |
| 10. Certified Industrial Hygienist, .....                                | Hour | \$ 110.00 |

## TERMS AND CONDITIONS

1. TEC request a minimum of 24 hours notice for scheduling construction materials testing. The quoted fees represent standard rates for eight hours of continuous work including travel time between the hours of 7:00 a.m. and 5:00 p.m. Monday through Friday. Overtime rates would be applicable for Saturday and hours other than those stated above at 1.35 times the standard rate. Premium rates will be applicable for hours worked on Sundays and Holidays at 2.0 times the standard rate.
2. A four-hour minimum, inclusive of travel time and equipment charges, will apply to field services. The four-hour minimum **will not** apply to material sampling, cylinder collection, or engineering services.
3. Laboratory work that needs immediate attention will be billed at 1.35 times the standard test rate. This applies to work required to be performed on Saturdays or after 5:00 p.m. on weekdays. Work required to be performed on a Sunday or Holiday will be billed at 2.0 times the standard test rate.
4. **No mileage charges will apply for technician or professional services.** Sample and cylinder pick-ups will be invoiced at **\$28.00 per hour and no charge per mile**, portal-to-portal from TEC facilities. Lodging, subsistence and transportation for out-of-town services are invoiced at cost plus 20%.
5. The invoice will be based upon the actual work performed and at the quoted rates. Unless otherwise stated, invoices are due 30 days from the invoice date. An administrative fee of 1.5% per month will be added to all delinquent accounts. It is agreed that the client is liable for all costs and expenses of collection, including reasonable attorney's fees, whether or not legal proceedings are instituted. Disputes of invoiced amounts must be submitted in writing within 30 days of invoice date.

## Testing Engineers & Consultants, Inc.

City of Troy  
February 22, 2006

TEC Proposal: 010-06-0127

### TERMS AND CONDITIONS (cont.)

6. The TEC fee for depositions, court appearances, expert witness, legal assistance, litigation, preparation, or other legal work is \$150.00 per hour plus expenses.
7. TEC will not be responsible for work performed on materials furnished by others not controlled by TEC.
8. Except for circumstances caused by the willful misconduct of TEC, all claims for damages asserted against TEC by a client or third party, including claims against TEC's directors, officers, shareholders, employees and agents, are limited to the lesser amount of \$25,000 or the total dollar value of this contract.
9. All reports, plans, specifications, computer files, field data, notes and other documents prepared by TEC as instruments of service shall remain the property of TEC. TEC shall retain all common law, statutory and other reserved rights, including the copyright thereto. The client shall not reuse or make any modifications to reports, plans, specifications, computer files or other documents without the prior written authorization of TEC.
11. In an effort to resolve any conflicts that arise during this project or following the completion of this project, the client and TEC agree that all disputes between them arising out of or relating to this project shall be submitted to nonbinding mediation unless the parties mutually agree otherwise.



## Downloading History for RFP-COT 05-58 Prof Test

The report below shows all fax and e-mail vendors that matched this document when it was originally issued. It also shows all vendors that have downloaded or ordered the document and any subsequent amendments as of 3/1/2006.

<b>Document Title:</b>	Professional Municipal Testing Services
<b>Date Issued:</b>	1/19/2006
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12687	C & S Engineers, Inc	E-mail	1/23/2006	
17373	Certified Abatement Services, Inc..	E-mail		
11626	Clayton Group Services, Inc.	E-mail		
23119	CompUSA	E-mail	1/25/2006	
12764	Conestoga-Rovers & Associates	E-mail	1/31/2006	
11987	Construction Consulting & Testing, Inc.	Free	2/10/2006	
22073	ConTech Sales Group, LLC	Free	2/2/2006	
10603	CTI and Associates, Inc.	E-mail	2/21/2006	
17799	CTS Companies	E-mail	1/24/2006	
22454	Data Support Company Inc.	E-mail		
12624	DLZ Michigan, Inc.	E-mail	1/20/2006	
12889	Downriver Maintenance Corporation	E-mail		
22915	DTE Energy-Field Support Shops WSC	Free	2/16/2006	
12536	e-Lab Analytical, Inc.	Free	1/30/2006	
20002	EMSL Analytical, Inc.	E-mail		
15664	Enviro-Vac Services, Inc.	Free	2/1/2006	
23303	Environmental Permit Specialists, LLC	Free	1/23/2006	

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11612	G2 Consulting Group, LLC	Free	2/17/2006	
22577	GeoTrans, Inc.	Free	1/25/2006	
11657	Giffels-Webster Engineers, Inc.	Free	2/17/2006	
20323	Gunners Meters & Parts	Free	1/30/2006	
11298	Hamilton Anderson Associates	E-mail	1/30/2006	
13028	healthAIR, inc.	E-mail		
21018	Hone Engineering	E-mail		
20197	HYDRO METER SYSTEMS, INC	E-mail	1/23/2006	
23410	Land Development Solutions, Inc.	Free	2/10/2006	
22143	Lighting Technologies	E-mail		
13094	Limno-Tech, Inc.	Free	2/20/2006	
21365	Marcia Clement Art Studio	E-mail		
20302	Martin Control Services, Inc.	E-mail		
15385	Merrell Bros., Inc.	E-mail		
11728	National Toxicology Labs	E-mail		
13478	Norchem Laboratories	E-mail		
12761	Northwest Consultants, Inc.	E-mail		
12101	NTH Consultants, Ltd.	E-mail	1/25/2006	
23538	O'Neil Product Development, Inc	Free	2/19/2006	
23275	Orchid Cellmark Inc.	E-mail		
12095	Power Plus Engineering, Inc.	E-mail		
16142	Professional Health Services, Inc.	E-mail		
19477	Professional Service Industries, Inc	E-mail		
18417	Professional Service Industries, Inc.	Free	2/20/2006	
15764	Protech Environmental Services	E-mail	1/31/2006	
18620	PSI	E-mail	1/23/2006	
14931	Radiant Systems, Inc.	Free	2/6/2006	
12261	RAMA RAO AND ALFRED, INC	Free	1/30/2006	
19349	Resource Consultants, Inc	E-mail		
12531	Rohr gasoline equipment inc.	E-mail		
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10201	Schleede-Hampton Associates, Inc.	Free	2/15/2006	
11400	Scientific Testing Laboratories	E-mail		
12583	Sigma Associates, Inc.	E-mail	2/9/2006	
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13494	Somat Engineering	E-mail	1/23/2006	
11548	SPARROW TOXICOLOGY TESTING CENTER	E-mail		
14625	Spicer Group	Free	2/13/2006	
20133	Spring New Media	Free	1/30/2006	
14819	SSI Services, Inc.	E-mail		

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22475	Strategic decision Support Services	E-mail		
14974	Superior Environmental Corp	E-mail	1/27/2006	
20571	Supreme Support Services	E-mail		
23632	TesTech, Inc.	E-mail		
11627	Testing Engineers & Consultants, Inc.	E-mail	2/3/2006	
11546	The Mannik & Smith Group, Inc.	E-mail	2/10/2006	
11868	The Traverse Group, Inc.	E-mail		
12215	The Urban Institute	E-mail		
19575	TriMedia Consultants	E-mail	1/24/2006	
11904	TTL Associates	E-mail	1/27/2006	
13648	Tucker, Young, Jackson, Tull, Inc.	Free	1/23/2006	
14707	Water Services, Inc.	Free	2/20/2006	
11910	Wold Architects	E-mail	2/10/2006	