

**SCHLEEDE  
HAMPTON  
ASSOCIATES** INC  
**CONSULTING ENGINEERS**

November 30, 2004

Ms. Jean A. Farris, CPPB  
Supervisor of Procurement  
City of Rochester Hills  
1000 Rochester Hills Drive  
Rochester Hills, Michigan

Dear Ms. Farris:

Schleede-Hampton Associates, Inc. proposes to provide construction materials testing and engineering services to the City of Rochester Hills for a period of three (3) years with an option to renew for an additional two (2) years. Our services will be administered on a per project basis and will be scheduled at the direction of the City of Rochester Hills representatives. Daily inspection and test reports will be issued to the attention of the DPS Project Engineer or the City Engineer. Work on each project will be invoiced monthly and will note different personnel, classifications and expenses. A more detailed breakdown will be provided at City's request.

A schedule of our fees and services for 2005-2009, including standard conditions as required by the City of Rochester Hills, is included with this submittal. Certificates of current insurance coverage are included, also. These rates apply to work performed through December 31, 2009. Personnel rates and laboratory test unit rates are subject to a 3.5% increase beginning January 1 of each year thereafter. Updated insurance certificates and fee schedules will be issued to your office prior to the end of each year.

Descriptions and rates for geotechnical engineering services or materials engineering services not included on this schedule can be provided on request. We will provide project specific proposals for these services as necessary.

If this proposal is acceptable, please return one signed copy to us. If you have any questions regarding this information or if we can be of further service, please contact us at your convenience.

## Schedule of Fees and Services

## Schedule of Fees and Services - 2005 Construction Season

City of Rochester Hills

Fees Valid through December 31, 2005

### A. Engineering Services

Construction Materials Testing and Engineering Services for field testing and inspection duties, meetings and conferences, recommendations, reporting, and consultation will be furnished in accordance with the following schedule of hourly rates:

Engineering Technician (4 hour minimum charge)	\$ 41.73
Senior Engineering Technician (4 hour minimum charge)	\$ 48.68
Staff Engineer	\$ 69.54
Project Engineer	\$ 98.51
Project Manager	\$ 115.90
Principal of Firm	\$ 144.88

Rates are portal to portal from our Birmingham, Michigan office.

Overtime rates of 1.40 x base rate apply to time on the project in excess of 8 hours per day, Saturdays, Sundays, and recognized legal holidays.

Technician rates include all concrete field testing equipment costs and report review, preparation and distribution charges. Engineering time will only be charged for direct involvement in the project.

Daily transportation charge, which includes all site vehicle usage and communications costs, will be invoiced at \$46.36 per day.

Trips to project sites or borrow sources for sample collection / pick-up will be invoiced at a lump sum of \$113.07, which includes personnel time and vehicle usage charges.

### B. Laboratory Testing Services

Aggregates

Washed Gradations

1/2" Maximum and smaller	\$ 69.54
3/4" Maximum and larger	\$ 86.93
Particle Size Distribution, ASTM D 422	\$ 86.93
Organic Content, ASTM D 2974	\$ 36.75
Atterberg Limits Determination, ASTM D 4318	\$ 68.25
Abrasion (LA Machine)	\$ 289.75
Sulfate Soundness, per cycle	\$ 173.85
Mix Design Verification, per agg. (includes gradation, fineness modulus, absorption, specific gravity, and unit weight)	\$ 144.88
Deleterious Substances - visual pick	\$ 69.54
Moisture Density Tests	
Modified Proctor (ASTM D 1557, AASHTO T180)	\$ 144.88
Standard Proctor (ASTM D 698, AASHTO T99)	\$ 133.29

Portland Cement Concrete

Concrete Compression Tests, each (including reserves not tested)	\$ 17.39
Flexural Tests on Concrete Beams	\$ 37.09
Concrete Mix Design Preparation (ACI 211)	\$ 347.70

Asphalt Materials, per sample

Extraction Tests	\$ 144.88
Marshall Properties (stability, flow, unit wt.)	\$ 144.88
Theoretical Maximum Specific Gravity (Rice's Method)	\$ 75.34
Asphalt Recovery by Abson Method	\$ 359.29
Penetration Test (ASTM D-5)	\$ 52.15

C. Equipment Charges

Nuclear Moisture/Density Gauge, per day	\$ 28.98
Field Marshall Test Equipment, per day	\$ 28.98
MDOT Michigan Cone Density Test Equipment, per day	\$ 23.18

D. Reimbursable Expenses

The following are considered reimbursable expenses.

Overnight mail charges	at cost
------------------------	---------

E. Invoices

Progress Invoices will be submitted to the client monthly, and a final bill will be submitted upon completion of the services. Invoices will note different personnel and expense classifications. A more detailed breakdown will be provided at the client's request.